THE WORLD OF LEARNING

1965-66

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FOREWORD

THE 1965–66 edition of THE WORLD OF LEARNING once again records a great expansion in academic and cultural life throughout the world, and although it may be true that progress is now occurring at a steadier rate, with a greater emphasis on consolidation in the more developed countries, it is equally true to say that on a smaller scale the less developed countries are fast catching up.

In this edition of THE WORLD OF LEARNING many new features have been introduced, partly to rationalise the material and partly to bring the reader more quickly to the information he is seeking. Under Denmark, France, the Federal Republic of Germany, Great Britain, Italy and the United States of America, it will be noticed that the sections on Learned Societies and Research Institutes have been classified systematically by subjects, with the institutions arranged alphabetically by title within each division or sub-division of the classification. It is hoped to extend this scheme in future editions to cover all the principal countries in the book.

Another noteworthy feature of the new edition is the rearrangement, for most countries, of the university and college sections into three columns. This has not only achieved an economy in space (very necessary considering the rate at which the volume of material expands annually), but also a compactness of style. Uniformity of presentation has also been considered carefully and it will be observed that in the university and college sections initials have, for the most part, been used rather than Christian names or fore-names. Where possible women's first names have been retained, however. Except in medical faculties, bachelor degrees have been omitted if the person listed holds a more senior degree (master's or doctor's). To add clarity to the presentation of the professor lists, the subjects taught are no longer enclosed in brackets, but listed after a comma.

More than 1,500 institutions have been added to the present edition, and of this total 625 are American colleges. Some 1,100 American universities and colleges are now listed and for 100 senior institutions a list of full professors has been included.

Every effort has once again been made to ensure that the text is as up to date and accurate as possible. This could not be achieved without the help of innumerable contributors. To them, we take great pleasure in offering our very sincere thanks.

December 1965.

CONTENTS

ABBREVIATIONS

A.A. .. Associate in Arts
A.B. .. Bachelor of Arts
A.C.A. .. Associate of the Institute of Chartered Accountants
Acad. .. Academy
A.C.C.S. .. Associate of the Corporation of Secretaries
A.C.I.I. .. Associate of the Chartered Insurance Institute
A.C.I.S. .. Associate of the Chartered Institute of Secretaries.
A.C.T. .. Australian Capital Territory
A.D.C. .. Aide-de-camp
Admin. .. Administrative, Administration
Agr. de D. .. Agrégé de Droit
Agr. de M. .. Agrégé de Médecine
Agr. de Sc. .. Agrégé de Science
Agr. des L. Agrégé des Lettres
A.I.A. .. Associate of Institute of Actuaries; American Institute of Architects
A.I.A.L. .. Associate Member of the International Institute of Arts and Letters.
A.I.B. .. Associate of the Institute of Bankers
A.I.C.E. .. Associate of the Institution of Civil Engineers
A.I.C.E.A. .. Associate of Industrial and Commercial Executive Accountants
A.I.Ch.E. .. American Institute of Chemical Engineers
A.I.F. .. Australian Imperial Forces
A.I.I.S. .. Associate of the Irish Institute of Secretaries
A.I.L. .. Associate of the Institute of Linguists
A.I.M. .. Associate of the Institution of Metallurgists
A.I.Mech.E. Associate of the Institution of Mechanical Engineers
A.I.M.T.A. .. Associate of the Institute of Municipal Treasurers and Accountants
A.Inst.C.E. Associate of the Institution of Civil Engineers
A.I.R.I. .. Associate of the Institution of the Rubber Industry
A.K.C. .. Associate of King's College (London)
A.L.A. .. Associate of the Library Association
Ala. .. Alabama
A.L.S. .. Associate of the Linnæan Society
A.M. .. Master of Arts
A.M.A. .. Associate of the Museums Association
A.M.I.C.E. .. Associate Member of the Institution of Civil Engineers
A.M.I.Chem.E. Associate Member of the Institution of Chemical Engineers
A.M.I.E.E. Associate Member of the Institution of Electrical Engineers
A.M.I.Mech.E. Associate Member of the Institution of Mechanical Engineers
A.M.I.Struct.E. Associate Member of the Institution of Structural Engineers
A.P. .. Andhra Pradesh
A.P.I. .. Associate of the Plastics Institute
Apptd. .. Appointed
A.R.A. .. Associate of the Royal Academy
A.R.A.M. .. Associate of the Royal Academy of Music
A.R.C.A. .. Associate of the Royal College of Art
A.R.C.M. .. Associate of the Royal College of Music
A.R.C.O. .. Associate of the Royal College of Organists
A.R.C.S. .. Associate of the Royal College of Science
A.R.E. .. Associate of the Royal Society of Painter Etchers
A.R.I.B.A. Associate of the Royal Institute of British Architects
A.R.I.C. .. Associate of the Royal Institute of Chemistry
A.R.I.C.S. .. Associate of the Royal Institution of Chartered Surveyors
Ariz. .. Arizona
Ark. .. Arkansas
A.R.S.A. .. Associate of the Royal Scottish Academy; Associate of the Royal Society of Arts
A.R.W.S. .. Associate of the Royal Society of Painters in Water Colours
A.S.C.E. .. American Society of Civil Engineers
A.S.M.E. .. American Society of Mechanical Engineers
Asscn. .. Association
Assoc. .. Associate
Asst. .. Assistant
Aug. .. August
Avv. .. Avvocato (Italian)

B.A... .. Bachelor of Arts
B.Agr. .. Bachelor of Agriculture
B.A.(Ed.) .. Bachelor of Arts (Education)
B.A.O. .. Bachelor of Obstetrics
Bar.-at-Law Barrister
B.Arch. .. Bachelor of Architecture
B.A.S. .. Bachelor in Agricultural Science
B.A.Sc. .. Bachelor of Applied Science
B.B.A. .. Bachelor of Business Administration
B.B.C. .. British Broadcasting Corporation
B.C.E. .. Bachelor of Civil Engineering
B.Ch., B. Chir. Bachelor of Surgery
B.Chem.E. Bachelor of Chemical Engineering
B.C.L. .. Bachelor of Civil Law; Bachelor of Canon Law
B.Comm. .. Bachelor of Commerce
B.C.S. .. Bachelor of Commercial Sciences
B.D. .. Bachelor of Divinity
B.D.S. .. Bachelor of Dental Surgery
B.E. .. Bachelor of Engineering; Bachelor of Education
B.Ec. .. Bachelor of Economics
B.Ed. .. Bachelor of Education
B.E.E. .. Bachelor of Electrical Engineering
B.Eng. .. Bachelor of Engineering
B.Eng.A. .. Bachelor of Agricultural Engineering
B.E.Sc. .. Bachelor of Engineering Science
B.F.A. .. Bachelor of Fine Arts
B.For. .. Bachelor of Forestry
B.I.D. .. Bachelor of Industrial Design
B.Lit(t). .. Bachelor of Letters
B.LL. .. Bachelor of Laws
B.L.S. .. Bachelor of Library Science
B.M. .. Bachelor of Medicine
B.M.A. .. British Medical Association
B.M.E. .. Bachelor of Mining Engineering
B.Mus. .. Bachelor of Music
B.N. .. Bachelor of Nursing
B.Paed. (or Pd.) .. Bachelor of Pedagogy
B.P.E. .. Bachelor of Physical Education
B.Phar. .. Baccalauréat en Pharmacie
B.Phil. .. Bachelor of Philosophy
Br. .. .. Branch
Bro. .. Brother
B.S. .. Bachelor of Science; Bachelor of Surgery

B.S.A. .. Bachelor of Scientific Agriculture
B.Sc. .. Bachelor of Science
B.Sc.C.E. .. Bachelor of Science in Civil Engineering
B.S.C. .. Bachelor of Science in Commerce
B.Sc.Com. .. Bachelor of Commercial Science
B.Sc.(Econ.) Bachelor of Science in the Faculty of Economics
B.Sc.(Eng.).. Bachelor of Science in the Faculty of Engineering
B.Sc.F. .. Bachelor of Science in Forestry
B.S. in H.E. Bachelor of Science in Home Economics
B.Sc.(M.E.) Bachelor of Science in Mechanical Engineering
B.Sc.Met. .. Bachelor of Science (Metallurgy)
B.Sc.Pharm. Bachelor of Science in Pharmacy
B.S.D. .. Bachelor of Didactic Science; Bachelor of Science in Dentistry
Bt. .. .. Baronet
B.Theol. .. Bachelor of Theology

c. .. .. circa (approximately)
C.A. .. Chartered Accountant
Calif. .. California
Cantab. .. Of Cambridge University
C.B. .. Companion of the (Order of the) Bath
C.B.E. .. Commander of (the Order of) the British Empire
C.E. .. Civil Engineer
C.G.I.A. .. City and Guilds Institute Award
C.H. .. Companion of Honour
Chair. .. Chairman
Ch.B. .. Bachelor of Surgery
Ch.M. .. Master of Surgery (Edinburgh University)
C.I.A.L. .. Corresponding Member of the International Institute of Arts and Letters
C.I.E. .. Companion of (the Order of) the Indian Empire
Cie. .. .. Compagnie (Company)
C.I.E.E. .. Companion of the Institution of Electrical Engineers
C.M. .. Master in Surgery
C.M.G. .. Companion of (the Order of) St. Michael and St. George
C.N.R.S. .. Centre National de la Recherche Scientifique
Co. .. .. Company; County
Colo. .. Colorado
Comm. .. Commission
Commdr. .. Commander
Commr. .. Commissioner
Conf. .. Conference
Conn. .. Connecticut
Corpn. .. Corporation
Corresp. .. Correspondent, Corresponding
C.P. .. Congregation of the Passion
C.P.A. .. Certified Public Accountant
C.P.H. .. Certificate of Public Health
C.S.I. .. Companion of (the Order of) the Star of India
C.S.I.R. .. Council for Scientific and Industrial Research (re-named Commonwealth Scientific and Industrial Research Organisation)
C.S.S.F. .. Confédération des Sociétés Scientifiques Française
C.St.J. .. Commander of (the Order of) St. John of Jerusalem
Cttee. .. Committee
C.V.O. .. Commander of the (Royal) Victorian Order

D.Agr. .. Doctor of Agriculture
D.Arch. .. Doctor of Architecture
D.B. .. Bachelor of Divinity
D.B.E. .. Dame Commander of (the Order of) the British Empire
D.C. .. District of Columbia
D.C.H. .. Diploma in Child Health
D.C.L. .. Doctor of Civil Law
D.C.M. , Distinguished Conduct Medal
D.Cn.L. .. Doctor of Canon Law
D.C.S. .. Doctor of Commercial Sciences
D.C.T. .. Doctor of Christian Theology
D.D. .. Doctor of Divinity
D.D.C. .. Doctorat en droit canonique
D. de l'U .. Docteur de l'Université
D.D.S. .. Doctor of Dental Surgery
D.Econ. .. Doctor of Economics
D.Ed. .. Doctor of Education
Del. .. Delegate, delegation, Delaware
D. en D. .. Docteur en Droit
D.Eng. .. Doctor of Engineering
Dept. .. Department
D. ès L. .. Docteur ès Lettres
D. ès Sc. .. Docteur ès Sciences
D.F.A. .. Doctor of Fine Arts.
D.F.C. .. Distinguished Flying Cross
D.H.L. .. Doctor of Hebrew Literature
D.Hy. .. Doctor of Hygiene
D.I.H. .. Diploma in Industrial Health
Dip. Bact. .. Diploma in Bacteriology
Dip. Ed. .. Diploma in Education
Dip. Ing. .. Diploma in Engineering
Dip. Pub. Admin. .. Diploma in Public Administration
Dir. .. Director
D. Iur. Utr. Doctor of both Civil and Canon Law
D.L. .. Doctor of Laws
D.Lett. .. Doctorat ès lettres
D.Lit(t). .. Doctor of Letters; Doctor of Literature
D.Litt.S. .. Doctor of Sacred Letters
D.L.S. .. Doctor of Library Science
D.M. .. Doctor of Medicine (Oxford)
D.Math.Sc... Doctor of Mathematical Science
D.M.D. .. Doctor of Dental Medicine
D.Mus. .. Doctor of Music
D.Oph. .. Doctor of Ophthalmology
Dott. .. Dottore (Italian)
D.Paed. .. Doctor of Paediatrics
D.Phil. .. Doctor of Philosophy
D.P.H. .. Diploma in Public Health
D.P.M. .. Diploma in Psychological Medicine
D.P.H.N. .. Diploma in Public Health Nursing
Dr.h.c. .. Dr. honoris causa
Dr. Ing. .. Doctor of Engineering
Dr. Jur. .. Doctor of Laws
Dr. Med. .. Doctor of Medicine
Dr.Med.Dent. Doctor of Dentistry.
Dr.Med.Vet. Doctor of Veterinary Medicine
Dr. Oec. .. Doctor of Commerce
Dr. Phar. Doctor of Pharmacy
Dr.rer.Hort. Doctor of Horticulture
Dr.rer.Nat... Doctor of Natural Science
Dr.rer.Pol. .. Doctor of Political Science
Dr. Theol. .. Doctor of Theology
Drs... .. Doctorandus (term used in The Netherlands to denote a doctor's degree)
D.S.A. .. Doctor of Scientific Agriculture
D.S.C. .. Distinguished Service Cross
D.Sc. .. Doctor of Science
D.Sc.A. .. Doctor of Applied Science
D.Sc.Agr. .. Doctor of Science in Agriculture
D.Sc.Pol. .. Doctor of Political Sciences
D.S.I.R. .. Department of Scientific and Industrial Research
D.S.M. .. Distinguished Service Medal
D.S.O. .. Distinguished Service Order
D.S.T. .. Doctor of Sacred Theology

D.S.W. .. Doctor of Social Work
D.Tech. .. Doctor in Technology
D.Theol. .. Doctor of Theology
D.T.M. .. Diploma in Tropical Medicine
D.U.P. .. *Docteur de l'Université de Paris*
D.V.M. .. Doctor of Veterinary Medicine
D.V.S. .. Doctor of Veterinary Science

E.D. .. Doctor of Engineering (U.S.A.)
Ed.B. .. Bachelor of Education
Ed.D. .. Doctor of Education
Edin. .. Edinburgh
Edn. .. Edition
Ed.M. .. Master of Education
E.E. .. Doctor of Electrical Engineering
Est... .. Established
Exec. .. Executive

f. .. .. founded
F.A.A. .. Fellow of the Australian Academy of Science
F.A.A.A.S... Fellow of the American Association for the Advancement of Science
F.A.C.C.A... Fellow of the Association of Certified and Corporate Accountants
F.A.C.D. .. Fellow of the American College of Dentistry
F.A.C.P. .. Fellow of American College of Physicians
F.A.C.S. .. Fellow of the American College of Surgeons
F.A.I. .. Fellow of the Chartered Auctioneers' and Estate Agents' Institute
F.A.I.A. .. Fellow of the American Institute of Architects
F.A.O. .. Food and Agriculture Organisation
F.A.S.E. .. Fellow of Antiquarian Society Edinburgh
F.B.A. .. Fellow of the British Academy
F.B.A.A. .. Fellow of the British Association of Accountants and Auditors
F.C.A. .. Fellow of the Institute of Chartered Accountants
F.C.C.S .. Fellow of the Corporation of Secretaries
F.C.I.C. .. Fellow of the Chemical Institute of Canada
F.C.I.I. .. Fellow Chartered Insurance Institute
F.C.I.S. .. Fellow of the Chartered Institute of Secretaries
F.C.S. .. Fellow of the Chemical Society
F.C.T. .. Federal Capital Territory
F.C.W.A. .. Fellow of the Chartered Institute of Cost and Works Accountants
F.D.S.R.C.S. Fellow of the Royal College of Surgeons in Dental Surgery
Fed. .. Federation, Federal
F.E.I.S. .. Fellow Educational Institute of Scotland
F.F.A.R.C.S. Fellow of the Faculty of Anæsthetics, Royal College of Surgeons
F.F.R. .. Fellow of the Faculty of Radiologists
F.G.A. .. Fellow of the Gemmological Association
F.G.S. .. Fellow of the Geological Society
F.I.A. .. Fellow of the Institute of Actuaries
F.I.A.L. .. Fellow of the International Institute of Arts and Letters
F.I.B. .. Fellow of the Institute of Bankers
F.I.C.E.A. .. Fellow of Industrial and Commercial Executive Accountants
F.I.C.S. .. Fellow International College of Surgeons
F.I.I.S. .. Fellow of the Irish Institute of Secretaries
F.I.L. .. Fellow of the Institute of Linguists
Fil. Dr. .. Doctor of Philology
F.I.M. .. Fellow of the Institution of Metallurgists
F.I.M.L.T. .. Fellow of the Institute of Medical Laboratory Technology
F.Inst.F. .. Fellow of the Institute of Fuel
F.Inst.P. .. Fellow of the Institute of Physics
F.Inst.Pet... Fellow of the Institute of Petroleum
F.I.R.E. .. Fellow of the Institution of Radio Engineers
F.I.R.I. .. Fellow of the Institution of the Rubber Industry
F.J.I. .. Fellow of the Institute of Journalists
F.K.C. .. Fellow of King's College (London)
Fla... .. Florida
F.L.A. .. Fellow of the Library Association
F.L.S. .. Fellow of the Linnæan Society
F.M.A. .. Fellow of the Museums Association
F.N.I. .. Fellow of the National Institute of Sciences (India)
F.Ph.S. .. Fellow of the Philosophical Society of England
F.Phys.S. .. Fellow of the Physical Society
F.P.I. .. Fellow of the Plastics Institute
F.R.A.C.P. Fellow of the Royal Australasian College of Physicians
F.R.A.C.S. .. Fellow of the Royal Australasian College of Surgeons
F.R.Ae.S. .. Fellow of the Royal Aeronautical Society.
F.R.A.H.S... Fellow of the Royal Australian Historical Society
F.R.A.I. .. Fellow of the Royal Anthropological Institute
F.R.A.I.A... Fellow of the Royal Australian Institute of Architects
F.R.A.I.C. .. Fellow of the Architectural Institute of Canada
F.R.A.M. .. Fellow of the Royal Academy of Music
F.R.A.S. .. Fellow of the Royal Astronomical Society; Fellow of the Royal Asiatic Society
F.R.B.S. .. Fellow of the Royal Society of British Sculptors; Fellow of the Royal Botanic Society
F.R.C.M. .. Fellow of the Royal College of Music
F.R.C.O. .. Fellow of the Royal College of Organists
F.R.C.O.G... Fellow of the Royal College of Obstetricians and Gynæcologists
F.R.C.P. (E.) Fellow of the Royal College of Physicians (Edinburgh)
F.R.C.P.(I.) Fellow of the Royal College of Physicians (Ireland)
F.R.C.S.(C.) Fellow of the Royal College of Surgeons (Canada)
F.R.C.S. (E.) Fellow of the Royal College of Surgeons (Edinburgh)
F.R.C.V.S. .. Fellow of the Royal College of Veterinary Surgeons (London)
F.R.Econ.S. Fellow of the Royal Economic Society
F.R.F.P.S. .. Fellow of Royal Faculty of Physicians and Surgeons
F.R.G.S. .. Fellow of the Royal Geographical Society
F.R.Hist.S. Fellow of the Royal Historical Society
F.R.Hort.S. Fellow of the Royal Horticultural Society
F.R.I.B.A. .. Fellow of the Royal Institute of British Architects
F.R.I.C. .. Fellow of the Royal Institute of Chemistry
F.R.I.C.S. .. Fellow of the Royal Institution of Chartered Surveyors
F.R.Met.Soc. Fellow of the Royal Meteorological Society
F.R.S. .. Fellow of the Royal Society
F.R.S.A. .. Fellow of the Royal Society of Arts
F.R.San.I. .. Fellow of the Royal Sanitary Institute
F.R.S.C. .. Fellow of the Royal Society of Canada
F.R.S.E. .. Fellow of the Royal Society of Edinburgh
F.R.S.G.S. .. Fellow of the Royal Scottish Geographical Society
F.R.S.H. .. Fellow Royal Society of Health
F.R.S.L. .. Fellow of the Royal Society of Literature
F.R.S.S. .. Fellow of the Royal Statistical Society
F.R.S.S.Af. Fellow of the Royal Society of South Africa

F.R.S.T.M...	Fellow of the Royal Society of Tropical Medicine and Hygiene
F.S.A. ..	Fellow of the Society of Antiquaries
F.S.A.(Scot.)	Fellow of the Society of Antiquaries (of Scotland)
F.S.A.L.A...	Fellow South African Library Association
F.S.B.E. ..	Fellow of the Society for British Entomology
F.S.S. ..	Fellow of the Royal Statistical Society
F.T.C.D. ..	Fellow of Trinity College, Dublin
F.T.C.L. ..	Fellow of Trinity College of Music, London.
F.T.I. ..	Fellow of the Textile Institute
F.Z.S. ..	Fellow of the Zoological Society
Ga.	Georgia
G.B.E. ..	Knight (or Dame) Grand Cross of (the Order of) the British Empire
G.C.B. ..	Knight Grand Cross of (the Order of) the Bath
G.C.I.E. ..	(Knight) Grand Commander of the Indian Empire
G.C.M.G. ..	Knight Grand Cross of (the Order of) St. Michael and St. George
G.C.S.I. ..	Knight Grand Commander of the Star of India
G.C.V.O. ..	Knight Grand Cross of the (Royal) Victorian Order
Gen. ..	General
Gov. ..	Governor
Govt. ..	Government
h.c. ..	honoris causa
H.E. ..	His Eminence; His Excellency
H.M. ..	His (or Her) Majesty
H.M.S.O. ..	His (or Her) Majesty's Stationery Office
Hon. ..	Honourable; Honorary
Ia.	Iowa
I.C.E. ..	Institute of Civil Engineers
I.C.S. ..	Indian Civil Service
Ida... ..	Idaho
Ill.	Illinois
I.L.O. ..	International Labour Organisation
Inc. ..	Incorporated
Ind. ..	Indiana; Independent
Inst. ..	Institute; Institution
Inst.C.E. ..	Institution of Civil Engineers
Inst.E.E. ..	Institution of Electrical Engineers
Inst.Mech.E.	Institution of Mechanical Engineers
Int. ..	International
I.S.O. ..	(Companion of the) Imperial Service Order
J.C.B. ..	Juris Canonici Bachelor (Bachelor of Canon Law)
J.C.D. ..	Juris Canonici Doctor (Doctor of Canon Law)
J.C.L. ..	Juris Canonici Lector
J.D. ..	Doctor of Jurisprudence
J.P. ..	Justice of the Peace
J.S.D. ..	Doctor of Juristic Science
J.U.D. ..	Juris utriusque Doctor (Doctor of both Civil and Canon Law)
Ju.D. ..	Doctor of Law
Kan. ..	Kansas
K.B.E. ..	Knight Commander of (the Order of) the British Empire
K.C.B. ..	Knight Commander of (the Order of) the Bath
K.C.I.E. ..	Knight Commander of (the Order of) the Indian Empire

K.C.M.G. ..	Knight Commander of (the Order of) St. Michael and St. George
K.C.S.I. ..	Knight Commander of the Star of India
K.C.V.O. ..	Knight Commander of the Royal Victorian Order
K.G. ..	Knight of (the Order of) the Garter
K.P. ..	Knight of (the Order of) St. Patrick
K.St.J. ..	Knight of (the Order of) St. John of Jerusalem
K.T. ..	Knight of (the Order of) the Thistle
Kt. ..	Knight
Ky. ..	Kentucky
La. ..	Louisiana
L.C.C. ..	London County Council
L.C.L. ..	Licentiate of Canon Law
L.D.S. ..	Licentiate in Dental Surgery
L. ès L. ..	Licencié ès Lettres
L. ès Sc. ..	Licencié ès Sciences
L.H.D. ..	Doctor of Humane Letters
L.I.M. ..	Licentiate of the Institution of Metallurgists
Lic.Med. ..	Licentiate in Medicine
Litt.D. ..	Doctor of Letters
LL.B. ..	Bachelor of Laws
LL.D. ..	Doctor of Laws
L.Lett. ..	Licentiate of Letters
LL.L. ..	Licentiate of Laws
LL.M. ..	Master of Laws
L.M. ..	Licentiate of Medicine; or Midwifery
L.M.S. ..	Licentiate in Medicine and Surgery
L.M.S.S.A. ..	Licentiate in Medicine and Surgery of the Society of Apothecaries
L.Mus. ..	Licentiate in Music.
L.N. ..	League of Nations
L.Ph. ..	Licentiate of Philosophy
L.R.C.P. ..	Licentiate of the Royal College of Physicians
L.R.C.S. ..	Licentiate of the Royal College of Surgeons
L.S. ..	Library Science
L.S.A. ..	Licentiate of Science in Agriculture
L.S.T. ..	Licentiate in Sacred Theology
Lt.	Lieutenant
L.Th. ..	Licentiate or Master of Theology
M.A. ..	Master of Arts
M.Agr. ..	Master of Agriculture (U.S.A.)
Man. ..	Manager, Managing; Manitoba
M.A.O. ..	Master of Obstetrics
M.Arch. ..	Master in Architecture
M.A.Sc. ..	Master of Applied Science
Mass. ..	Massachusetts
M.B. ..	Bachelor of Medicine
M.B.A. ..	Master of Business Administration
M.B.E. ..	Member of (the Order of) the British Empire
M.C. ..	Military Cross
M.C.E. ..	Master of Civil Engineering
M.Ch. ..	Master of Surgery
M.Ch.D. ..	Master of Dental Surgery
M.Ch.E. ..	Master of Chemical Engineering
M.C.L. ..	Master of Civil Law
M.Com(m)...	Master of Commerce
M.C.S. ..	Master of Commercial Science
Md. ..	Maryland
M.D. ..	Doctor of Medicine
M.D.S. ..	Master of Dental Surgery
M.E. ..	Mechanical Engineer, Master of Education, Master of Engineering, Military Engineer, Mining Engineer
Me. ..	Maine
M.E.E. ..	Master of Electrical Engineering
M.E.I.C. ..	Member of the Engineering Institute of Canada
Mems. ..	Members

M.Eng. .. Master of Engineering (Dublin)
M.F. .. Master of Forestry
M.F.A. .. Master of Fine Arts
Mgr. .. Monseigneur; Monsignor
M.H.A. .. Member of the House of Assembly
M.H.R. .. Member of the House of Representatives
M.I.C.E. .. Member of the Institution of Civil Engineers
M.I.Chem.E. Member of the Institution of Chemical Engineers
Mich. .. Michigan
M.I.E.A. .. Member of the Institution of Engineers of Australia
M.I.E.E. .. Member of the Institution of Electrical Engineers
Mil. .. .. Military
M.I.Loco.E. Member of the Institute of Locomotive Engineers
M.I.Mar.E. .. Member of the Institute of Marine Engineers
M.I.(Mech.)E. Member of the Institution of Mechanical Engineers
M.I.Min.E. Member of the Institution of Mining Engineers
M.I.M.M. .. Member of the Institution of Mining and Metallurgy
Minn. .. Minnesota
Miss. .. Mississippi
M.I.P.E. .. Member of the Institution of Production Engineers
M.I.Struct.E. Member of the Institution of Structural Engineers.
M.I.T. .. Massachusetts Institute of Technology
M.L. .. Master of Laws
M.L.A. .. Member of the Legislative Assembly
M.L.C. .. Member of the Legislative Council
M.Litt. .. Master of Letters
M.L.S. .. Master of Library Science
M.M.S.A. .. Master of Midwifery of the Society of Apothecaries
M.Mus. .. Master of Music
Mo. .. Missouri
Mont. .. Montana
M.P. .. *Member of Parliament*
M.P.H. .. Master of Public Health
M.Ph. .. Master of Philosophy (U.S.A.)
Mr. .. .. Meester (term used in The Netherlands to denote Doctor's degree in Law)
M.R.A.S. .. Member of the Royal Asiatic Society
M.R.C.P.(E.) Member of the Royal College of Physicians (Edinburgh)
M.R.C.S.(E.) Member of the Royal College of Surgeons (Edinburgh)
M.R.C.V.S. .. Member of the Royal College of Veterinary Surgeons
M.R.I. .. Member of the Royal Institution
M.R.I.A. .. Member of the Royal Irish Academy
M.R.S.A. .. Member of the Royal Society of Arts
M.R.S.A.E. Member of Royal Society of Agricultural Engineers
M.R.S.L. .. Member of the Royal Society of Literature
M.S. .. Master of Science; Master of Surgery
M.S.A. .. Master of Scientific Agriculture
M.S.B.E. .. Member of the Society for British Entomology
M.Sc. .. Master of Science
M.Sc.A. .. Master of Applied Science
M.Sc.Ag. .. Master of Science in Agriculture
M.Sc.(Chem. Tech.) Master of Science in Chemical Technology
M.Sc.D. .. Master of Science in Dentistry
M.Sc.F. .. Master of Science in Forestry
M.Sc.(Med.) Master of Science in Medicine
M.Sc.N. .. Master of Science in Nursing
M.S.D. .. Doctor of Medieval Studies
M.S.L. .. Licentiate of Medieval Studies
M.S.P. .. Master of Science in Pharmacy
M.S.W. .. Master of Social Work
M.Th. .. Master of Theology
Mus.Bac. or B. Bachelor of Music
Mus.Doc. or D. Doctor of Music
Mus.M. .. Master of Music (Cambridge)
M.V.O. .. Member of the Royal Victorian Order
M.V.Sc. .. Master of Veterinary Science

Nat. .. National
N.B. .. New Brunswick
N.C. .. North Carolina
N.D. .. North Dakota
Neb. .. Nebraska
N.E.I. .. Netherlands East Indies
Nev. .. Nevada
N.H. .. New Hampshire
N.J. .. New Jersey
N.M. .. New Mexico
N.S. .. Nova Scotia
N.S.W. .. New South Wales
N.U.I. .. National University of Ireland
N.W.F. .. North-West Frontier
N.Y. .. New York
N.Z. .. New Zealand

O. .. .. Ohio
O.B.E. .. Officer of (the Order of) the British Empire
O.E.E.C. .. Organisation for European Economic Co-operation
O.F.S. .. Orange Free State
Okla. .. Oklahoma
O.M. .. Member of the Order of Merit
On. .. .. Onorevole (Italian)
Ont. .. Ontario
O.P. .. Order of Preachers (Dominicans)
Ore. .. Oregon
O.R.S.T.O.M. Office de la Recherche Scientifique et Technique Outre Mer
Oxon. .. Of Oxford University

Pa. .. .. Pennsylvania
Parl. .. Parliament; Parliamentary
P.C. .. Privy Councillor
Pd.B .. Bachelor of Pedagogy
Pd.D. .. Doctor of Pedagogy
Pd.M. .. Master of Pedagogy
P.E.I. .. Prince Edward Island
P.E.N. .. Poets, Playwrights, Essayists, Editors and Novelists (Club)
Ph.B. .. Bachelor of Philosophy
Ph.D. .. Doctor of Philosophy
Ph.G. .. Graduate in Pharmacy
Ph.L. .. Licentiate of Philosophy
Ph.M. .. Master of Philosophy
P.Q. .. Province of Quebec
P.R.A. .. President of the Royal Academy
Pres. .. President
P.R.I. .. President of the Royal Institute (of Painters in Water Colours)
P.R.I.B.A. .. President of the Royal Institute of British Architects
Priv.Doz. .. Recognised teacher not on the regular staff
Prof. .. Professor
P.R.S. .. President of the Royal Society
P.R.S.A. .. President of the Royal Scottish Academy
Publs. .. Publications

Q.C. .. Queen's Counsel
Q.H.P. .. Honorary Physician to the Queen
Que. .. Quebec

R.A. .. Royal Academy; Royal Academician
R.A.C.P. .. Royal Australasian College of Physicians
R.A.C.S. .. Royal Australasian College of Surgeons
R.A.F. .. Royal Air Force
R.A.M. .. Royal Academy of Music
R.A.S. .. Royal Astronomical (Asiatic) Society
R.B.A. .. Royal (Society of) British Artists
R.C.A. .. Member of the Royal Cambrian Academy; Member of the Royal Canadian Academy
R.D.I. .. Royal Designer for Industry
Rep. .. Representative; Represented
retd. .. retired
Rev. .. Reverend
R.G.S. .. Royal Geographical Society
R.Hist.S. .. Royal Historical Society
R.I. .. Rhode Island; Royal Institute (of Painters in Water Colours) Royal Institution
R.I.B.A. .. Royal Institute of British Architects
R.I.C.S. .. Royal Institution of Chartered Surveyors
R.M.P.A. .. Royal Medico-Psychological Association
R.N. .. Royal Navy
R.O.I. .. Royal Institute of Oil Painters
R.P. .. Member Royal Society of Portrait Painters
R.S.A. .. Royal Scottish Academy Royal Society of Arts
R.S.C. .. Royal Society of Canada
R.S.W. .. Royal Scottish Society of Painters in Water Colours
Rt. Hon. .. Right Honourable
Rt. Rev. .. Right Reverend
R.W.S. .. Royal Society of Painters in Water Colours

S.C. .. South Carolina; Senior Counsel (Republic of Ireland)
SCAP .. Supreme Command Allied Powers
Sc.B. .. Bachelor of Science
Sc.D. .. Doctor of Science
S.C.D. .. Doctor of Commercial Science
S.Dak. .. South Dakota
Sec. .. Secretary
S.I.S.T.E.R. Special Institution for Scientific and Technological Education and Research
S.J. .. Society of Jesus
S.J.D. .. Doctor of Juristic Science
S.M. .. Master of Science
S.T.B. .. Bachelor of Sacred Theology
S.T.D. .. Doctor of Sacred Theology
S.Th.L. .. Sacrae Theologiae Lector (Reader or Professor of Sacred Theology)
S.T.M. .. Master of Sacred Theology
Supt. .. Superintendent

T.D. .. Territorial Decoration; Tealta Dáil (Member of the Dail), Teaching Diploma
Tenn. .. Tennessee
Tex. .. Texas
Th.B. .. Bachelor of Theology
Th.D. .. Doctor of Theology
Th.M. .. Master of Theology
T.U.C. .. Trades Union Congress

U.K. .. United Kingdom
U.N. .. United Nations
U.N.A. .. United Nations Association
UNESCO .. United Nations Educational, Scientific and Cultural Organisation
UNICEF .. United Nations International Children's Emergency Fund
Univ. .. University
U.N.R.W.A. United Nations Relief Works Agency
U.P. .. Uttar Pradesh (United Provinces)
U.S.A. .. United States of America
U.S.S.R. .. Union of Soviet Socialist Republics

Va. .. Virginia
V.C. .. Victoria Cross
V.D. .. Volunteer Officers Decoration, Victorian Decoration
Vols. .. Volumes
V.R.D. .. Royal Naval Volunteer Reserve Officers Decoration
Vt. .. .. Vermont

W.A. .. Western Australia
Wash. .. Washington (State)
W.E.A. .. Workers' Educational Association
Wis. .. Wisconsin
W.Va. .. West Virginia
Wyo. .. Wyoming

Y.M.C.A. .. Young Men's Christian Association
Y.W.C.A. .. Young Women's Christian Association

INTERNATIONAL

CONTENTS

UNESCO

UNITED NATIONS EDUCATIONAL, SCIENTIFIC AND CULTURAL ORGANISATION

AIMS AND FUNCTIONS

(*Article 1 of Unesco Constitution*)

The purpose of the Organisation is to contribute to peace and security by promoting collaboration among the nations through education, science, and culture in order to further universal respect for justice, for the rule of law, and for the human rights and fundamental freedoms which are affirmed for the peoples of the world, without distinction of race, sex, language, or religion, by the Charter of the United Nations.

To achieve Unesco's purpose, the General Conference adopts at its biennial sessions a basic programme which stresses the main ideas underlying the aims of the Organisation and gives coherence to the detailed work plans. While the latter naturally vary from year to year, the basic programme covers the policies and main lines of work, with little change except of emphasis on this or that sector. Thus from 1965 onwards the scientific sectors (both stimulation of research and application of science to development) are to receive a priority second only to that accorded to educational activities in 1962.

The chief tasks of Unesco, as defined in its basic programme, are as follows:

1. To eliminate illiteracy and encourage universal free and compulsory education;

2. to obtain for each person an education conforming to his aptitudes and to the needs of society, including technological training and higher education;

3. to promote, through education, respect for Human Rights throughout all nations;

4. to overcome the obstacles to the free flow of persons, ideas, and knowledge between the countries of the world;

5. to promote the progress and utilisation of science for the benefit of all mankind;

6. to focus the social sciences on the study of particular social questions for the benefit both of the general public and of governments;

7. to assure the preservation of the world's inheritance of books, works of art and monuments of history and science, to make this cultural heritage known and available to all, and to promote mutual appreciation of differing cultural values;

8. to advance through the media of mass communication the causes of truth, freedom, and peace;

9. to bring about better understanding among the peoples of the world and to convince them of the necessity of co-operating loyally with one another in the framework of the United Nations;

10. to provide clearing-house and exchange services in all its fields of action, together with technical aid to nations and peoples in emergencies.

MEMBER STATES

(October 1st, 1965)

Afghanistan
Albania
Algeria
Argentina
Australia
Austria
Belgium
Bolivia
Brazil
Bulgaria
Burma
Burundi
Byelorussian S.S.R.
Cambodia
Cameroon
Canada
Central African Republic
Ceylon
Chad
Chile
China, Republic of (Taiwan)
Colombia
Congo, Democratic Republic of
Congo (Brazzaville)
Costa Rica
Cuba
Cyprus
Czechoslovakia
Dahomey
Denmark
Dominican Republic
Ecuador
El Salvador
Ethiopia
Finland
France
Gabon
Germany, Federal Republic of
Ghana
Greece
Guatemala
Guinea
Haiti
Honduras
Hungary
Iceland
India
Indonesia
Iran
Iraq
Ireland
Israel
Italy
Ivory Coast
Jamaica
Japan
Jordan
Kenya
Korea, Republic of
Kuwait
Laos
Lebanon
Liberia
Libya
Luxembourg
Madagascar
Malawi
Malaysia
Mali
Malta
Mauritania
Mexico
Monaco
Mongolian People's Republic
Morocco
Nepal
Netherlands
New Zealand
Nicaragua
Niger
Nigeria
Norway
Pakistan
Panama
Paraguay
Peru
Philippines
Poland
Portugal
Rumania
Rwanda
Saudi Arabia
Senegal
Sierra Leone
Somalia
Spain
Sudan
Sweden
Switzerland
Syria
Thailand
Togo
Trinidad and Tobago
Tunisia
Turkey
Uganda
Ukrainian S.S.R.
U.S.S.R.
United Arab Republic
United Kingdom
United Republic of Tanzania
United States of America
Upper Volta
Uruguay
Venezuela
Viet-Nam, Republic of
Yemen
Yugoslavia
Zambia

Associate Members

British East Caribbean Group
Mauritius
Qatar

REGULAR PROGRAMME

1. DEVELOPMENT OF INTERNATIONAL CO-OPERATION

Unesco aims to maintain, increase and diffuse knowledge and to encourage co-operation among the nations in all branches of intellectual activity. The League of Nations set up its International Committee on Intellectual Co-operation for the same purpose, and Unesco took over this heritage in an attempt to restore contacts broken by the Second World War. It was realised that an effective and economical method would be, first, to support existing specialist organisations, and second to encourage individual scientists, scholars, writers and artists.

The natural sciences was the first sphere in which Unesco was able to co-operate with an already firmly established body of scientific associations. Unesco's success in this field prompted action where contacts at international level were less advanced. To achieve this a number of institutions were created: the International Council for Philosophy and Humanistic Studies, the International Theatre Institute, the International Music Council, the International Association of Plastic Arts. Unesco also decided to support the work of the International PEN and the International Union of Architects. The International Council of Archives was founded on the initiative of Unesco. Financial aid is given to the International Council of Museums, the International Federation of Library Associations and the International Federation of Documentation.

In the field of social sciences, Unesco promoted the establishment of international bodies in such major disciplines as sociology, political science, legal science and economics. Subventions have been granted to a few carefully-selected associations, including the International Economic Association, the International Statistical Institute, the International Sociological Association. The International Social Science Council and the International Committee for Social Sciences Documentation were also helped.

In the field of education, financial assistance has been given to the World Confederation of Organisations of the Teaching Profession, the International Association for Teachers' Federation, the International Association for Vocational Guidance, the World Organisation for Early Childhood Education, the New Education Fellowship, etc. A major step was the creation in 1950, with UNESCO's help, of the International Association of Universities. Subventions have also been granted to the International Bureau of Education for its documentation services.

In the field of mass communication, Unesco has found that associations have more varied activities and less well defined programmes. It has founded the International Centre of Films for Children, the International Association for Mass Communication Research, the International Film and Television Council.

Unesco also organises seminars, international discussions and conferences, for example the International Conference on Information Processing in June 1959, the Intergovernmental Conference on Oceanographic Research in July, 1960, the World Conference on Adult Education, Montreal, in August 1960, and the International Conference on Youth, Grenoble, in August 1962.

2. IMPROVING DOCUMENTATION

These activities include the collection, analysis and diffusion of information and statistics, and the encouraging of other organisations to do similar work. Since 1948 this has been increasingly achieved through the Education Clearing House.

Unesco has also built up a documentation and information service on opportunities and facilities for study abroad. The annual publications *Study Abroad* and *Vacations Abroad* bring such facts to a wide public. A Unesco *Handbook of International Exchanges* is also published.

The Clearing House in Mass Communications collects information on mass media techniques and the technical needs of mass media institutions.

In the field of culture Unesco has produced the *Index Translationum* and archives of colour reproductions of paintings. In the Social Sciences bibliographies have been produced in four major fields, sociology, political science, economics and social and cultural anthropology. Multilingual dictionaries and biographies are being prepared and attempts have been made to standardise techniques and terminologies. A study has also been made of scientific and technical dictionaries and a bibliography of monolingual glossaries has been produced.

Unesco also promotes the creation of scientific and technical documentation centres in order to meet the essential need of scientists and technicians for information on the work of their colleagues elsewhere.

Altogether, 36 national centres for the international exchange of publications are linked with Unesco. One of the chief aims of the International Centre for the study of the Preservation and Restoration of Cultural Property, newly set up in Rome, is to collect, analyse and distribute information concerning scientific and technical problems arising in the fields of preservation and restoration. Similarly the Documentation and Study Centre for the History of Art and Civilisation in Ancient Egypt is now in full operation.

The primary purpose of the Unesco library is to aid the Secretariat in carrying out the programme by providing the necessary documentation. It also serves members of the permanent delegations, of the Executive Board and of delegations to the General Conference. The library has 115,000 vols. and 255,000 pieces—mostly documents—in the Archives.

3. SCHOOL EDUCATION

The Unesco programme for school education may be divided into five main parts, Free and Compulsory Education; the School Curriculum and Improvement of Education; Education for International Understanding and Co-operation; Vocational and Technical Education; and Higher Education. An essential concomitant to all these is the need for a programme of educational planning.

At least forty-five per cent of the world's population of fifteen years and over cannot read or write and in some of the developing countries this figure is as high as eighty-five per cent; forty-five per cent of the world's children of school age do not attend school. Of those who do attend school, many are poorly educated because of inadequate facilities, undertrained teachers and an outmoded curriculum. It is, in addition, realised that the need for humanistic studies and for education for international understanding has never been so great. Recent developments in science and industry have also created new problems in higher education or have accentuated old ones.

Free and Compulsory Education. For more than ten years Unesco has conducted a campaign to extend free and compulsory education to all children of primary school age. A series of international and regional conferences was organised; direct assistance was offered to Member States in the form of experts and of fellowships for national educators. The first major effort for training teachers was launched in 1957 as Unesco's Major Project for the Extension of Primary Education in Latin America. The Project concentrates upon teacher training and educational planning, and is now in full operation.

In addition, three major conferences into the educational needs of tropical Africa, the Arab states, and South and South-East Asia, were completed, as a result of which the General Conference, in December 1962, decided to give priority to educational programmes. This was again confirmed by the last session of the General Conference in 1964. Out of a total of nearly $49 million for Unesco's regular budget during 1965–66, about one-quarter ($11.3 million) was devoted to education. In addition, nearly $22 million was made available for educational purposes from the UN Special Fund activities (see below). The $4 million emergency programme for Africa financed out of voluntary contributions was due to end in 1965.

The School Curriculum and the Improvement of Education. In 1954 a programme for the Improvement of the School Curriculum was initiated by the creation of an international advisory committee, by the holding of regional seminars, by providing the services of experts, by disseminating information on mechanisms of curriculum revision, curriculum research, etc., by initiating an inquiry into the adaption of the school curriculum to the age and development levels of children. In 1960 Unesco completed an inquiry into the role and place of the humanities in school education. Two outside bodies are closely associated with UNESCO in this field: the International Bureau of Education at Geneva, and the Institute of Education at Hamburg.

Education for International Understanding and Co-operation. Unesco seeks to stimulate interest in educational activities by facilitating international exchanges of ideas among educational leaders and teachers, in aiding in the development of better methods and materials and in encouraging action within schools on many aspects of education for international understanding.

Vocational and Technical Education. Activity in this field has led mainly to the provision of services of experts, fellowships and equipment. Regional conferences and training courses on Vocational and Technical Education have recently been organised. Stress has been placed in many regions, particularly in Africa, on more agricultural education, starting from the primary level.

By an agreement reached in 1960 between UNESCO and the International Labour Office, two new international instruments have been completed, the UNESCO one dealing with technical education in school and the ILO one with vocational training after or out of school.

Higher Education. Work in this sphere is carried out mainly through the International Association of Universities, created in 1950. A scheme of collaboration on a large scale started in 1960 with some of the American Foundations on the subject of access to universities.

Educational Planning. As a background to all education, it has been increasingly realised that educational planning is unquestionably a necessity in the world today, not only because of the tremendous economic, technical and intellectual effort involved in all educational work, but for a more fundamental reason—because of the speed with which it is developing and its growing complexity. Unesco furnishes Member States with three forms of assistance in this field. Firstly, the Organisation advises governments on planning methods and procedures. Secondly, Unesco sends missions and experts to countries requesting them, to advise governments on appropriate machinery for their planning services and the preparation and implementation of their overall development plans. Since 1960, planning missions have been sent to some 35 countries and technical assistance in the form of expert services has been provided

for about 60 countries. These activities will probably be increased in the future. Thirdly, Unesco assists in training national planning staff. To supervise this field of assistance, Unesco, with help from the World Bank and the Ford Foundation established an International Institute for Educational Planning in Paris, which started work in early 1964 with the basic aim of helping nations accelerate their economic and social progress through improved educational planning.

4. EDUCATION OUTSIDE SCHOOL

The work in this group of activities is divided into three sections: fundamental education, education of adults, and the development of youth activities.

Fundamental Education (Community Development). The main effort is directed towards those people who have not had the opportunity to go to school. Fundamental education aims at imparting the minimum knowledge and skills that people need to help themselves to improve their standard of living and to take a productive part in the social and economic life of their community. The basic need is to combat ignorance, which extends over half the world's population and is instrumental in breeding disease, poverty and lethargy.

Two regional fundamental education centres have been set up: one for Latin American States at Patzcuaro, Mexico, established in 1951, the other for Arab States at Sirs-el-Layyan, Egypt, established in 1955. Unesco has helped in setting up national expert training centres in a number of countries and also co-operates in many fundamental and adult education projects undertaken by Member States in Asia, Africa, Latin America and the Arab States.

Adult Education. The aim is to foster education, not only at school but throughout life. Unesco assists Member States and appropriate international organisations in the development of adult education activities by: co-operating to set up national and regional seminars; sending field missions to make surveys and advise on projects; publishing reports on projects and activities.

During 1964, Unesco sponsored two regional conferences on the planning and organisation of literacy programmes in Africa and in the Arab States, where the vital importance was stressed of all forms of out-of-school education in a rapidly changing world. During 1964, also, plans for an experimental programme in mass literacy, which would prepare the way for a World Campaign for Universal Literacy, were recommended by a committee of experts on literacy set up to advise Unesco's Director General, who had been charged by the UN General Assembly to explore the possibility of such a world campaign. Among recommendations was one that three-year pilot projects in up to eight selected countries should be undertaken by Unesco as part of the first of three consecutive phases in a long-term programme to achieve universal literacy. In this connection, Unesco missions, during 1965, visited 12 countries to help in the preparation of literacy projects and in the compilation of requests for aid for such projects. In September 1965, in response to an invitation by the Shah of Iran, Unesco convened a world congress at Teheran on the eradication of illiteracy.

Youth Work. The work is concentrated on assisting Member States and appropriate international organisations and institutions in the development of youth education for social responsibility and international understanding and co-operation. The Section supplies information and brings groups interested in the same problems into contact with each other. It also sponsors international voluntary work camps and an annual conference of work camp organisers. During 1964, Unesco organised an international youth conference at Grenoble, France, attended by delegates from 73 Member States and the first inter-governmental conference ever held on youth problems. As a result of this meeting, an International Committee on Youth was set up in 1965. With Unesco collaboration it will seek to promote youth activities for international co-operation and understanding.

5. AID TO SCIENTIFIC RESEARCH IN THE NATURAL SCIENCES AND THEIR APPLICATION TO DEVELOPMENT

These activities cover the following fields: basic sciences, earth sciences (astronomy and general geophysics, hydrology, oceanography, physics of the earth's crust, geological sciences, soil sciences, ecological studies and conservation of natural resources); life sciences (brain research, cell and molecular biology, microbiology, participation in basic research on cancer).

The exchange of ideas and results is encouraged by congresses and documentation, and the award of grants for study tours and missions. More concrete action was provided in the specific subjects mentioned above. Three main methods have been devised to produce the desired results. The first is to establish for each subject a new intergovernmental body, whether regional or international, which conducts its scientific work on its own initiative. The European Organisation for Nuclear Research and the International Computation Centre are examples of bodies of this kind. The second is to set up, within Unesco itself, an administrative co-ordinating body which possesses certain financial resources and acts on the scientific advice of a group of experts selected for that purpose: an example is provided by the new Inter-Governmental Oceanographic Commission set up in 1961, with a permanent staff within the Secretariat to service it. The third is to provide assistance for the establishment and operation of a non-governmental body responsible for achieving the co-operation desired, e.g. the International Brain Research Organisation set up in 1960.

Advisory Committees of experts of world-wide repute have been set up to help plan activities in the marine sciences and in natural resources. Among the recent or new initiatives undertaken by Unesco, or those to which the Organisation provides its active support, include the International Years of the Quiet Sun, the World Magnetic Survey (a continuing project of the International Geophysical Year), the International Hydrological Decade, as well as the International Indian Ocean Expedition, the International Co-operative Investigations of the Tropical Atlantic, and the Co-operative Study of the Kuroshio. Furthermore, in the field of seismology, Unesco has set up a system of emergency missions to send experts to the affected areas immediately after earthquakes have occurred.

General advice has also been given by short-term missions on the establishment of national scientific research centres.

The most important activity has been the creation *in toto* of institutions and services previously almost non-existent. It has been possible in this way to strengthen geophysical and seismological observatories, and geological and hydro-geological services.

The application of science and technology according to the needs of developing countries now takes a large place among the scientific activities of Unesco; technical and economic evaluation of these needs and direct aid provided to Member States are the basic features of this programme.

6. APPLIED SOCIAL SCIENCES

The Social Science programme makes a clear distinction between the promotion of pure research and learning in the field of the social sciences and the use of the social

sciences for solving social problems. The promotion of original research has also taken place into the attitudes of the people of one country towards people of other countries and into the roots of tension in local communities within different societies. On the other hand, a broad study of principal research trends throughout the world in the social and human sciences is in progress under Unesco's direction.

An inter-disciplinary programme has been constituted on the three great problems of our time: respect for human rights and the struggle against racial prejudice, the economic and social problems of newly-independent countries, the economic and social consequences of disarmament.

The analysis of the role of education, science, technology and information in economic development, pursued methodically, will continue to furnish the data necessary for the operational activities of Unesco and other international organisations, as well as the programme of statistical analysis and human resources assessment.

7. PRESERVATION OF THE CULTURAL HERITAGE OF MANKIND

Activity in this section is directed to the conservation and protection of the world's inheritance of books, works of art and monuments of history and science. Encouragement is also given to the exchange of publications,objects of artistic and scientific interest and other materials of information.

The protection of cultural property, historic monuments and of museum objects, archives, libraries, etc. during war is sought through the International Convention for the Protection of Cultural Property in the Event of Armed Conflict, signed at The Hague in 1954. Fifty-three Member States are parties to this Convention.

An International Centre for the Study of the Preservation and Restoration of Cultural Property has been established in Rome. A manual on the protection of cultural property has been published which deals with techniques for preservation and conservation. Since 1955, missions have advised on the preservation of culture in Peru, Yugoslavia, the Lebanon, Syria, Iraq, Israel, Egypt, Jordan, Iran, Pakistan, Afghanistan, Ecuador, the Sudan, Mexico, Nepal and India. International Seminars on Arts and Education have also been held since 1950 and two International Societies have been launched—one for Education through Art and the other for Music Education.

The International Campaign to save the Monuments of Egyptian and Sudanese Nubia launched in February, 1960, by Unesco, achieved almost total success in demonstrating the world's cultural solidarity. At the present time, the archaeological survey in the areas that will be inundated after the construction of the new Aswan dam is largely completed, while the dismantling of the threatened temples and monuments is being completed. The operation for safeguarding the temples of Abu-Simbel has begun.

8. MUTUAL APPRECIATION OF CULTURAL VALUES

The aim is to encourage a better mutual knowledge of the cultures of different peoples. In this way it is hoped to lay the foundations of real international understanding necessary for maximum peaceful co-operation among peoples.

The ninth session of Unesco's General Conference (New Delhi, 1956) established a ten-year major project aimed at developing the "Mutual Appreciation of Eastern and Western Cultural Values". The scheme aims to break down the barriers to the flow of information and ideas between the orient and occident. It has stimulated a very large number of cultural activities of an exchange nature throughout the world.

Unesco appointed a Commission in 1951 to prepare the publication of a history of the scientific and cultural development of mankind. The first two volumes, dealing with pre- and proto-history, have been published in London and New York. A quarterly *Journal of World History* is published by the Commission.

The department sponsors international circulation of masterpieces of the visual arts and of music. Exhibitions of reproductions representing the great periods of both Western and Eastern art are circulating in Member States.

The Unesco *World Art Series* albums, devoted to works of art not sufficiently known outside their countries of origin, are published in five languages. Catalogues listing high quality reproductions of paintings of all periods have been published for the guidance of students, teachers and the general public.

Under the auspices of the International Music Council a collection has been made of recordings of traditional and contemporary music of all continents.

Great works representative of the genius of different people are translated and published. Translations of works from twenty-six different literatures have so far been made, chiefly into English and French.

9. FREE FLOW OF INFORMATION

Among the principal methods used are: sponsorship of international agreements; proposals to reduce telecommunication, postal, transport and tariff obstacles to the flow of information; administration of coupon schemes designed to overcome currency barriers; action to improve the techniques and expand the means of communication; the publication of reports and studies focusing public attention on obstacles to the free flow of information.

The underlying reason for Unesco's action in this field is that the dearth of communication facilities in large areas of the world, a maze of non-political restrictions and the high cost of sending information from country to country constitute formidable obstacles to the creation of an enlightened public opinion. In short, it appears that nearly 70 per cent of the world's peoples lack the means of being adequately informed of developments at home, let alone in other countries. "Adequate" facilities, according to a Unesco minimum standard accepted by the UN, consist of at least ten copies of a daily newspaper, five radio receivers and two cinema seats for every 100 persons. More than 100 countries and territories are below this minimum. Thus, for millions of people freedom of information, guaranteed by the universal Declaration of Human Rights, is far from being a reality.

Here are some of the results achieved:

1. Two international Agreements have been sponsored by Unesco: the Agreement on the Importation of Educational, Scientific and Cultural Materials and the Agreement for Facilitating the International Circulation of Visual and Auditory Materials of an Educational, Scientific and Cultural Character.

2. Proposals have been submitted to international conferences in the telecommunication, postal, transport and trade fields. Substantial concessions have been made in the rates and facilities offered.

3. Studies have been published such as *World Communications*, *Books for All*, *Trade Barriers to Knowledge*, *Transmitting World News* and *Mass Media and National Development*, which have spurred national efforts to reduce obstacles to the flow of information.

4. Member States have taken steps to facilitate the movement of persons engaged in educational, scientific and cultural activities.

5. Unesco's Coupon Schemes have helped to remove currency conversion obstacles, enabling individuals or organisations to purchase foreign books, films and other information materials and to pay for educational travel abroad.

In addition, Unesco has studied the means of ensuring that technological advances in communication should be applied to promote the free flow of information on the basis of a study of the use of space communication. An international meeting of experts was convened at the end of 1965 to study problems involved in the use of space communication by the mass media in order to promote the flow of information, the spread of education and greater cultural exchange. This meeting, held in close co-operation with the International Telecommunications Union (ITU) examined the special features of space radio and TV transmissions capable of reaching vast audiences, and helped guide Unesco in the preparation of its long-term programme in this field. Not only telecommunication techniques, but the types of programmes, the sharing of programmes and exchange arrangements for broadcasting to vast new audiences, were also dealt with.

Unesco has also provided limited direct aid and planned and conducted a series of seminars and experimental activities designed to improve the professional competence of those working in the mass media. Under the UN Expanded Programme for Technical Assistance, Unesco has for several years sent out aid missions to help in the setting up, improvement and expansion of local news agencies, newspapers, as well as radio, film and TV services. In 1964, a mission assisted Uganda in the creation of a national film unit. Another helped launch a six-year pilot project in Senegal for the integrated use of audio-visual aids, chiefly TV, in adult education. Increased aid was given to this project during 1965.

A long-term programme has been drawn up on the basis of regional meetings for Africa, the Arab States, Asia and Latin America to develop the press, radio, films and television in the developing countries. This programme was endorsed by the General Assembly of the UN as a part of the UN Development Decade. Unesco has also organised meetings of television and radio producers and regional training courses in broadcasting techniques. Fellowships in these fields have also been awarded. The first meeting on the introduction and development of television in Africa was held in 1964. The purpose of this meeting was to examine the organisational and financial problems of TV in African countries; indicate the potential contribution of the medium to the social, educational and cultural development of African countries; and pave the way for the systematic development of TV based on the needs and conditions of the countries of Africa. Unesco has also sought to promote the establishment of regional centres for the training of teachers of journalism. The first such centre began operating in 1951 at Strasbourg University, and a second centre was opened in Ecuador in 1960. Others are planned for Asia and Africa. During 1965, mass communication study units were set up in conjunction with the universities of Dakar and Manila.

Tariff, postal and transport revenues waived each year as a result of action taken by Unesco are already at least equal in amount to the Organisation's total annual budget. Member States have also simplified administrative procedures affecting the international circulation of educational materials. More than $70 million has been made available by Unesco's Coupon Scheme, for the importation of books, films and scientific equipment, since the Scheme was launched in 1949.

10. "STUDY ABROAD"—THE INTERNATIONAL TRAINING OF SPECIALISTS

The programme has been carried out through three main lines of activity:

1. A programme of documentation to reveal the extent and nature of activities of governments and other agencies in the field.

2. A programme to improve the planning and administration of international training programmes.

3. A programme of training specialists in Unesco fields of interest, through awards of fellowships for study abroad, and the organisation of special courses and other measures.

Statistical documentation on foreign students in institutions of higher learning provided by Unesco has given governments and other agencies more complete information than has ever before been available on the scale of international training and study opportunities. New approaches to the appraisal of needs for international training have been developed. Work has also advanced on developing an evaluative approach to the actual administration of programmes, so that planners and administrators may develop certain simple techniques by which to judge the effectiveness of their planning and administration, and the ultimate results of their work. Since 1948 some 10,000 fellowships have been awarded in various fields for periods of study abroad. These fellowships have enabled persons, who are already specialists in their field, to obtain additional general or technical training abroad for periods of four to nine months—longer in exceptional cases. Fellowships have played an important role in training local "counterparts" to take over responsibilities from experts sent abroad for limited periods.

In some countries field experts have organised training centres and courses as a means of passing on their specialsed knowledge to nationals of the countries concerned.

Continuing efforts are made by Unesco to keep in touch with former fellows and there is much evidence to show that many former fellows are making valuable contributions, through the introduction of new techniques and knowledge, to the projects for which they have been trained.

Since 1948 Unesco has published a yearly handbook *Study Abroad* which currently lists over 170,000 individual opportunities for subsidised travel and study in other countries. In addition, from 1965 Unesco began publication of the *Unesco Handbook of International Exchanges* with information on national and international agencies operating exchange programmes in the fields of education, science and culture.

11. HUMAN RIGHTS

The universal rights (United Nations Declaration of Human Rights, 1948) of all individuals to education, an enjoyment of the arts and to a share in scientific advancement and its benefits, come directly within Unesco's competence. In addition to efforts already outlined, Unesco has, in this field, secured the Universal Copyright Convention (signed by 40 States, Geneva, 1952), and at the present time 50 States are parties to this instrument which came into force on September 16th, 1955. A series of reports has been prepared on the subject of education for women, and studies have been made of the role of educated women in Africa and Asia. The General Conference, at its eleventh session (Paris, 1960), adopted a Convention and Recommendation against discrimination in education, which came into force on May 22nd, 1962. The total number of states party to it is 30.

OTHER PROGRAMMES

1. EXPANDED PROGRAMME OF TECHNICAL ASSISTANCE

Unesco, like the other major specialised agencies, has been a participant since 1954 in the United Nations Expanded Programme of Technical Assistance for economic development, under which experts are sent to requesting countries, fellowships granted and other facilities provided to assist these countries in framing and implementing measures of economic development. In 1965 and 1966 Unesco's share (about 16 per cent) of the total funds amounts to $16,550,000, which paid for over 650 experts (mostly in education or science) in some 60 countries and territories, 670 fellowships to nationals of assisted countries, and a small amount of demonstration equipment and supplies. There are also some regional projects covering a group of countries, several of them operated in collaboration with the United Nations or other agencies.

2. PARTICIPATION PROGRAMME

The United Nations Expanded Programme can only finance projects clearly aimed at economic development, and this definition excludes certain Unesco objectives, e.g. in the fields of the social sciences, cultural activities, etc., in regard to which Member States have sought the organisation's direct assistance. Accordingly there was launched in 1956 a "Participation" programme under which a fraction of Unesco's total budget is set aside for direct assistance given on request to Member States. Some $1,800,000 became available in 1965 and 1966 for this purpose, and this has been allocated to meet requests originating from 75 countries and territories. Apart from aid in the educational and scientific fields the subjects covered include social science teaching, the preservation and restoration of monuments, the development of libraries and museums, the development of communication facilities, public administration, arts and crafts, etc.

3. UNITED NATIONS SPECIAL FUND

As a complement to the Expanded Programme of Technical Assistance (which is mainly concerned with the provision of expert advice) the General Assembly of the United Nations set up in October 1958 a voluntary "Special Fund" designed to finance major undertakings calculated to promote economic development in under-developed countries. Here again Unesco is a participating agency and has now been given responsibility for 79 projects in all parts of the world, for a total cost of $90,000,000 spread over five years. The fields covered are teacher-training (secondary, technical and vocational), training of technicians and applied scientific research. Teacher-training at the secondary level is largely concentrated in Africa, where the need is greatest, and the tendency of the Special Fund authorities is towards increased liberality in this field. In addition, it has been proposed that criteria for Special Fund programmes be further extended to include women's education and assistance to the training of primary school teachers in countries where the shortcomings of primary education constitute a serious handicap to economic development.

4. OTHER INTERNATIONAL ACCOUNTS

Main items include:

The International Campaign for safeguarding the monuments of Nubia, to which many Member States and private institutions have contributed by providing funds and by sending archæological missions to the United Arab Republic and Republic of Sudan.

The Emergency Programme for Educational Development in Africa, launched by the General Conference at its eleventh session. Funds volunteered to this programme by Member States have allowed for the creation of:

A Unesco School Construction Bureau for Africa in Khartoum in co-operation with the Government of Sudan.

A Textbook Production Centre in Yaoundé in co-operation with the Government of Cameroun.

Overseas teachers and professors and aid in educational planning, in the form of expert missions, to numerous African Member States.

In addition, Unesco continues to co-operate with an international aid programme launched in 1960 by the International Bank for Reconstruction and Development (IBRD) under the name of the International Development Association (IDA). Whereas the UN Special Fund (*see above*) is concerned with "pre-investment" projects (although of considerable magnitude) the IDA concentrates its resources on larger scale projects of an operational nature. The General Conference at its eleventh session authorised the Director-General to collaborate with the Association "by advising Member States on projects which might suitably be presented to IDA for loans, by advising IDA on projects within the sphere of Unesco's competence for which loans are being considered" and "by assisting Member States in the preparation and presentation of requests to IDA."

During the course of 1964–65, a $13 million credit was extended to Pakistan for development of education in both parts of the country, following a $5 million credit to Tunisia and a $4.6 million credit to Tanzania. Credits were also extended for the same purposes to Afghanistan ($3.6 million), to the Philippines ($9 million), and to Nigeria ($20 million).

The World Bank for Reconstruction and Development agreed in 1964 to extend its loans to the educational field, and missions were sent to Latin America and other regions during late 1964 and 1965 to assess possible projects for the spread of education in developing countries.

ORGANISATION

1. General Conference. Meets in ordinary session once in two years and is composed of representatives of the Member States. The thirteenth session was held in October/November 1964 at the permanent Headquarters in Paris.

2. Executive Board. Consists of 30 members elected for a 4-year term. Prepares the programme to be submitted to the Conference and supervises its execution. The seventieth session of the Board took place in Paris in May 1965.

3. Secretariat. The Director-General and an international staff of more than 500 professional civil servants drafted from 92 countries.

Co-operating Bodies. In addition to the structure of UNESCO, as outlined above, National Commissions or co-operating bodies have been set up in most of the Member States of UNESCO. These Commissions, which are intended to bring together within each country government officials and the principal non-governmental bodies interested in educational, scientific and cultural matters (*see below*, Constitution, Article VII), help to integrate the individual efforts in Member States with the work of the Organisation and to act in an advisory capacity to their governments in matters relating to the Organisation.

The number of Member States of UNESCO as at October 1st, 1965, was 119. The last country to join was Portugal.

MEMBERS OF THE EXECUTIVE BOARD 1965–1966

Chairman MOHAMMED EL FASI (Morocco); Vice-Chairmen: ATILIO DELL' ORO MAINI (Argentina), ATHANASE JOJA (Rumania), BEDRETTIN TUNCEL (Turkey), Dame MARY SMIETON (United Kingdom); Members: ZIADA ARBAB (Sudan), MOSHÉ AVIDOR (IsraelP, AMADOU HAMPÂTÉ BA (Mali), BERNARD BARBEY (Switzerland), WILLIAM BENTON (U.S.A.), JULIEN CAIN (France), PAULO E. DE BERRÊDO CARNEIRO (Brazil), SAMUEL J. COOKEY (Nigeria), BERNARD DADIE (Ivory Coast), HILDING EEK (Sweden), WILLIAM ETEKI-MBOUMOUA (Cameroon), JUVENAL HERNÁNDEZ (Chile), Mrs. MAGDA JOBORU (Hungary), P. N. KIRPAL (India), DANIEL LUKAS MFINANGA (Tanzania), SARWAT OKASHA (U.A.R.), ALEXANDR PETROV (U.S.S.R.), GIAN FRANCO POMPEI (Italy), ALBERTO WAGNER DE REYNA (Peru), S. M. SHARIF (Pakistan), TATSUO SUYAMA (Japan), DJAHANGUIR TAFAZOLI (Iran), Mrs. OTILIA AROSEMENA DE TEJEIRA (Panama), HANS-JOACHIM VON MERKATZ (Federal Republic of Germany), SILVIO ZAVALA (Mexico).

The members of the Executive Board sit as representatives of their governments.

OFFICERS OF THE SECRETARIAT

Director-General: RENÉ MAHEU (France).

Deputy Director-General: Dr. MALCOLM S. ADISESHIAH (India).

Assistant Directors-General: Dr. GABRIEL BETANCUR-MEJIA (Colombia), JOHN E. FOBES (U.S.A.), Prof. ALEXEY N. MATVEYEV (U.S.S.R.).

HEADQUARTERS AND OTHER OFFICES

Headquarters: 7/9, place de Fontenoy, Paris, 7e, France.

New York Office: Room 2201, U.N. Building, 42nd Street at 1st Avenue, New York 17, N.Y., U.S.A.; Representative at the United Nations A. GAGLIOTTI (U.S.A.).

Regional Office for Latin America: Centro Regional de la UNESCO en el Hemisferio Occidental, Calzada 557, Apartado 1358, Havana, Cuba.

UNESCO Science and Research Offices:

- **Centre for Scientific Co-operation for Latin America:** 1320 Bulevar Artigas, Apartado de Correos 859, Montevideo, Uruguay.
- **Research Centre on the Social Implications of Industrialisation in Southern Asia:** c/o Institute of Economic Growth, University Enclave, New Delhi, India.
- **Science Co-operation Office for the Middle East:** 8 Sh. El Salamlik, Garden City, Cairo, Egypt.
- **Science Co-operation Office for South Asia:** C.S.I.R. Building, 21 Curzon Road, New Delhi, India.
- **Science Co-operation Office for South East Asia:** c/o Organisation for Scientific Research in Indonesia, Djalan Diponegoro 76, Djakarta, P.O.B. 2313, Indonesia. (Since July, 1965, activities have temporarily transferred to Bangkok).
- **Regional Centre for Science and Technology for Africa:** P.O. Box 30592, Nairobi, Kenya.
- **Regional Education Centre in Asia:** B.P. 1425, Sanam Sua Pa, Bangkok, Thailand.

PERIODICALS

UNESCO Courier: monthly illustrated journal devoted to the general activities of UNESCO; English, French, German, Italian, Spanish, Russian, Arabic and Japanese.

UNESCO Chronicle: monthly, giving official information, records of meetings, reports, and articles on UNESCO's programme, etc.; English, French, Arabic and Spanish.

Bulletin for Libraries: monthly, containing information of use to libraries, scientific research institutes, etc.; chapters offering publications on exchange and for free distribution as well as lists of publications wanted by libraries; English, French, Spanish and Russian.

Copyright Bulletin: half-yearly review of special studies and documentation on the legislation in different countries, and on UNESCO's work on behalf of the harmonisation of the various copyright laws; trilingual (English-French-Spanish).

Museum: quarterly international review of museographical techniques intended for museum specialists; bilingual (English-French).

Impact of Science on Society: quarterly review of original studies of current events and trends; English and French.

International Social Science Journal: quarterly, acquainting social scientists in various countries with work that has been conducted by national and international organisations, as well as individuals, concerned with an objective and scientific approach to the study of international relations in the widest sense; English and French.

BUDGET

including Technical Assistance and UN Special Fund

(approved estimates for 1965/66—$U.S.)

EDUCATION

	$
Office of the Assistant Director-General	36,000
International Co-operation for the study and general advancement of education	525,000
Priority fields of international action	2,047,000
Regional programmes for educational development	4,621,573
Staff (H.Q.)	3,515,764
Document and publication services	634,961
Total: Regular Budget	11,380,298
Technical Assistance	9,293,724
Special Fund	13,775,910

NATURAL SCIENCES AND THEIR APPLICATION TO DEVELOPMENT

	$
Office of the Assistant Director-General	45,000
Development of the basic structure of science in Member States	821,000
International co-operation for the advancement of scientific research and documentation	2,411,458
Application of science and technology to development	1,439,044
Staff (H.Q.)	2,394,880
Document and publication services	510,804
Total: Regular Budget	7,622,186
Technical Assistance	4,680,400
Special Fund	19,903,142

SOCIAL SCIENCES, HUMAN SCIENCES AND CULTURAL ACTIVITIES

Interdisciplinary Co-operation and Philosophy

	$
Office of the Assistant Director-General	2,000
Interdisciplinary co-operation and philosophy	457,500
Staff (H.Q.)	160,645
Document and publication services	7,112
Total Interdisciplinary Co-operation and Philosophy: Regular Budget	627,257

Social Sciences

	$
Office of the Director	11,340
Co-operation with international social science organisations	191,000
Improvement of social science documentation	85,220
Social science teaching and training	294,570
Basic and applied research in the social sciences	451,000
Interdisciplinary activities relating to human rights, economic and social problems of the newly independent countries, economic and social consequences of disarmament and peace research	121,728
Role of education, science and technology and information in economic development	72,400
Statistics relating to education, science and technology, culture and mass communication	113,000
Staff (H.Q.)	1,385,122
Document and publication services	355,808
Total Social Sciences: Regular Budget	3,081,188
Technical Assistance	729,000

Cultural Activities

	$
Office of the Director	14,500
International co-operation	270,000
Encouragement of artistic creation	53,500
Protection of the cultural heritage	457,400
Arts and letters	309,600
Provision of reading materials in Asia	190,100
Development of museums	169,000
Development of libraries, archives, bibliography, documentation and exchange of publications	244,700
Unesco Library and Archives	40,000
Staff (H.Q.)	1,642,689
Document and publication services	393,307
Total Cultural Activities: Regular Budget	3,784,796
Technical Assistance	604,500
Special Fund	17,880

	$
Total Social Sciences, Human Sciences and Cultural Activities: Regular Budget	7,493,241
Technical Assistance	1,333,500
Special Fund	17,880
Major Project on Mutual Appreciation of Eastern and Western Cultural Values: Regular Budget	1,474,812

Budget continued on page 10.

BUDGET—*continued from page* 9.

MASS COMMUNICATION AND INTERNATIONAL EXCHANGES

	$
Office of the Assistant Director-General	90,450
Mass Communication	
Office of the Director	11,000
Free flow of information and development of mass communication techniques	471,200
Public information and promotion of international understanding	786,026
Staff (H.Q.)	2,641,778
Document and publications services	526,861
Total Mass Communication:	
Regular Budget	4,436,865
Technical Assistance	1,249,348
International Exchanges	
Office of the Director	7,500
International relations and exchanges in the field of education, science and culture	283,500
International fellowship administration and promotion	198,906
Staff (H.Q.)	940,541
Document and publication services	95,001
Total International Exchanges:	
Regular Budget	1,525,448
Special Fund	100,786
Total Mass Communication and International Exchanges:	
Regular Budget	6,052,763
Technical Assistance	1,249,348
Special Fund	100,786

RELATIONS WITH MEMBER STATES

	$
Assistance to National Commissions	275,000
Participation Programme reserve	190,000
Field representation	453,043
Document and publication services	20,634
Total Relations with Member States:	
Regular Budget	938,677
Special Fund	320,000

OTHER MAJOR EXPENSES

General Conference	933,883
Executive Board	813,484
Director-General	236,405
General Administration	6,027,503
Common Services	4,883,748
Construction of additional headquarters premises	1,000,000
Total Other Major Expenses:	
Regular Budget	13,895,023
Special Fund	1,182,282

GRAND TOTAL: Regular Budget	48,857,000
Technical Assistance	16,556,972
Special Fund	35,300,000

1967-68 Regular Budget. A total appropriation of $64,108,000 is to be submitted to the Executive Board.

CONSTITUTION

London, November 16th, 1945.

The Governments of the States parties to this Constitution on behalf of their peoples declare:

That since wars begin in the minds of men, it is in the minds of men that the defences of peace must be constructed;

That ignorance of each other's ways and lives has been a common cause, throughout the history of mankind, of that suspicion and mistrust between the peoples of the world through which their differences have all too often broken into war;

That the great and terrible war which has now ended was a war made possible by the denial of the democratic principles of the dignity, equality, and mutual respect of men, and by the propagation, in their place, through ignorance and prejudice, of the doctrine of the inequality of men and races;

That the wide diffusion of culture, and the education of humanity for justice and liberty and peace are indispensable to the dignity of man and constitute a sacred duty which all the nations must fulfil in a spirit of mutual assistance and concern;

That a peace based exclusively upon the political and economic arrangements of governments would not be a peace which could secure the unanimous, lasting, and sincere support of the peoples of the world, and that the peace must therefore be founded, if it is not to fail, upon the intellectual and moral solidarity of mankind.

For these reasons, the States parties to this Constitution, believing in full and equal opportunites for education for all, in the unrestricted pursuit of objective truth, and in the free exchange of ideas and knowledge, are agreed and determined to develop and to increase the means of communication between their peoples and to employ these means for the purposes of mutual understanding and a truer and more perfect knowledge of each other's lives.

In consequence whereof they do hereby create the United Nations Educational, Scientific, and Cultural Organisation for the purpose of advancing, through the educational and scientific and cultural relations of the peoples of the world, the objectives of international peace and of the common welfare of mankind for which the United Nations Organisation was established and which its Charter proclaims.

Article I

Purposes and Functions

1. The purpose of the Organisation is to contribute to peace and security by promoting collaboration among the nations through education, science, and culture in order to further universal respect for justice, for the rule of law, and for the human rights and fundamental freedoms which are affirmed for the peoples of the world, without distinction of race, sex, language, or religion, by the Charter of the United Nations.

2. To realise this purpose the Organisation will:

(*a*) Collaborate in the work of advancing the mutual knowledge and understanding of peoples, through all means of mass communication, and to that end recommend such international agreements as may be necessary to promote the free flow of ideas by word and image;

(*b*) Give fresh impulse to popular education and to the spread of culture:

by collaborating with Members, at their request, in the development of educational activities;

by instituting collaboration among the nations to advance the ideal of equality of educational opportunity without regard to race, sex, or any distinctions, economic or social;

by suggesting educational methods best suited to prepare the children of the world for the responsibilities of freedom;

(*c*) Maintain, increase, and diffuse knowledge:

by assuring the conservation and protection of the world's inheritance of books, works of art, and monuments of history and science, and recommending to the nations concerned the necessary international conventions;

by encouraging co-operation among the nations in all branches of intellectual activity, including the international exchange of persons active in the fields of education, science, and culture and the exchange of publications, objects of artistic and scientific interest, and other materials of information;

by initiating methods of international co-operation calculated to give the people of all countries access to the printed and published materials produced by any of them.

3. With a view to preserving the independence, integrity, and fruitful diversity of the cultures and educational systems of the States Members of this Organisation, the Organisation is prohibited from intervening in matters which are essentially within their domestic jurisdiction.

Article II

Membership

1. Membership of the United Nations Organisation shall carry with it the right to membership of the United Nations Educational, Scientific, and Cultural Organisation.

2. Subject to the conditions of the agreement between this Organisation and the United Nations Organisation, approved pursuant to Article X of this Constitution, States not members of the United Nations Organisation may be admitted to membership of the Organisation, upon recommendation of the Executive Board, by a two-thirds majority vote of the General Conference.

3. Territories or groups of territories which are not responsible for the conduct of their international relations may be admitted as Associate Members by the General Conference by a two-thirds majority of Members present and voting, upon application made on behalf of such territory or group of territories by the Member or other authority having responsibility for their international relations. The nature and extent of the rights and obligations of Associate Members shall be determined by the General Conference.

4. Members of the Organisation which are suspended from the exercise of the rights and privileges of membership of the United Nations Organisation, shall, upon the request of the latter, be suspended from the rights and privileges of this Organisation.

5. Members of the Organisation which are expelled from the United Nations Organisation shall automatically cease to be members of this Organisation.

6. Any Member State or Associate Member of the Organisation may withdraw from the Organisation by notice addressed to the Director-General. Such notice shall take effect on December 31st of the year following that during which the notice was given. No such withdrawal shall affect the financial obligations owed to the Organisation on the date the withdrawal takes effect. Notice of withdrawal by an Associate Member shall be given on its behalf by the Member State or other authority having responsibility for its international relations.

Article III

Organs

The Organisation shall include a General Conference, an Executive Board, and a Secretariat.

Article IV

The General Conference

(*a*) *Composition*

1. The General Conference shall consist of the representatives of the States Members of the Organisation. The Government of each Member State shall appoint not more than five delegates, who shall be selected after consultation with the National Commission, if established, or with educational, scientific, and cultural bodies.

(*b*) *Functions*

2. The General Conference shall determine the policies and the main lines of work of the Organisation. It shall take decisions on programmes drawn up by the Executive Board.

3. The General Conference shall, when it deems it desirable, summon international conferences on education, the sciences, and humanities, and the dissemination of knowledge; non-governmental conferences on the same subjects may be summoned by the General Conference or by the Executive Board in accordance with such regulations.

4. The General Conference shall, in adopting proposals for submission to the Member States, distinguish between recommendations and international conventions submitted for their approval. In the former case a majority vote shall suffice; in the latter case a two-thirds majority shall be required. Each of the Member States shall submit recommendations or conventions to its competent authorities within a period of one year from the close of the session of the General Conference at which they were adopted.

5. Subject to the provisions of Article V, para. 5 (iii), the General Conference shall advise the United Nations Organisation on the educational, scientific, and cultural aspects of matters of concern to the latter, in accordance with the terms and procedure agreed upon between the appropriate authorities of the two Organisations.

6. The General Conference shall receive and consider the reports submitted periodically by Member States as provided by Article VIII.

7. The General Conference shall elect the members of the Executive Board, and, on the recommendation of the Board, shall appoint the Director-General.

(*c*) *Voting*

8. (i) Each Member State shall have one vote in the General Conference. Decisions shall be made by a simple majority except in cases in which a two-thirds majority is required by the provisions of this Constitution or of the Rules of Procedure of the General Conference. A majority shall be a majority of the Members present and voting.

(ii) A Member State shall have no vote in the General Conference if the total amount of contributions due from it exceeds the total amount of contributions payable by it for the current year and the immediately preceding calendar year.

(iii) The General Conference may nevertheless permit such a Member State to vote, if it is satisfied that the failure to pay is due to conditions beyond the control of the Member Nation.

(*d*) *Procedure*

9. (i) The General Conference shall meet in ordinary session every two years. It may meet in extraordinary session if it decides to do so itself or if summoned by the Executive Board, or on the demand of at least one-third of the Member States.

(ii) At each session the location of its next ordinary session shall be designated by the General Conference. The location of an extraordinary session shall be decided by the General Conference if the session is summoned by it, or otherwise by the Executive Board.

10. The General Conference shall adopt its own rules of procedure. It shall at each session elect a President and other officers.

11. The General Conference shall set up special and technical committees and such other subordinate bodies as may be necessary for its purposes.

12. The General Conference shall cause arrangements to be made for public access to meetings, subject to such regulations as it shall prescribe.

(*e*) *Observers*

13. The General Conference, on the recommendation of the Executive Board and by a two-thirds majority, may, subject to its rules of procedure, invite as observers at specified sessions of the Conference or of its commissions representatives of international organisations, such as those referred to in Article XI, paragraph 4.

14. When consultative arrangements have been approved by the Executive Board for such international non-governmental or semi-governmental organisations in the manner provided in Article XI, paragraph 4, those organisations shall be invited to send observers to sessions of the General Conference and its Commissions.

Article V

Executive Board

(*a*) *Composition*

1. The Executive Board shall be elected by the General Conference from among the delegates appointed by the Member States and shall consist of twenty-two members, each of whom shall represent the Government of the State of which he is a national. The President of the General Conference shall sit *ex officio* in an advisory capacity on the Executive Board.

2. In electing the members of the Executive Board the General Conference shall endeavour to include persons competent in the arts, the humanities, the sciences, education, and the diffusion of ideas, and qualified by their experience and capacity to fulfil the administrative and executive duties of the Board. It shall also have regard to the diversity of cultures and a balanced geographical distribution. Not more than one national of any Member State shall serve on the Board at any one time, the President of the Conference excepted.

3. Members of the Board shall serve from the close of the session of the General Conference which elected them until the close of the second ordinary session of the General Conference following that election. They shall be immediately eligible for a second term, but shall not serve consecutively for more than two terms. Half of the members of the Board shall be elected every two years.

4. In the event of the death or resignation of a member of the Executive Board, his replacement for the remainder of his term shall be appointed by the Executive Board on the nomination of the Government of the State the former represented. The Government making the nomination and the Executive Board shall have regard to the factors set forth in paragraph 2 of this Article.

(*b*) *Functions*

5 (i) The Executive Board shall prepare the Agenda for the General Conference. It shall examine the programme of work for the Organisation and corresponding Budget Estimates submitted to it by the Director-General in accordance with paragraph 3 of Article VI and shall submit them with such recommendations as it considers desirable to the General Conference.

(ii) The Executive Board, acting under the authority of the General Conference, shall be responsible for the execu-

tion of the programme adopted by the Conference. In accordance with the decisions of the General Conference and having regard to circumstances arising between two ordinary sessions, the Executive Board shall take all necessary measures to ensure the effective and rational execution of the programme by the Director-General.

(iii) Between ordinary sessions of the General Conference, the Board may discharge the functions of adviser to the United Nations, set forth in Article IV, paragraph 5, whenever the problem upon which advice is sought has already been dealt with in principle by the Conference, or when the solution is implicit in decisions of the Conference.

6. The Executive Board shall recommend to the General Conference the admission of new Members to the Organisation.

7. Subject to decisions of the General Conference, the Executive Board shall adopt its own rules of procedure. It shall elect its officers from among its members.

8. The Executive Board shall meet in regular session at least twice a year and may meet in special session if convoked by the Chairman on his own initiative or upon the request of six members of the Board.

9. The Chairman of the Executive Board shall present, on behalf of the Board, to each ordinary session of the General Conference, with or without comments, the reports on the activities of the Organisation which the Director-General is required to prepare in accordance with the provisions of Article VI, 3*b*.

10. The Executive Board shall make all necessary arrangements to consult the representatives of international organisations or qualified persons concerned with questions within its competence.

11. Between sessions of the General Conference, the Executive Board may request advisory opinions from the International Court of Justice on legal questions arising within the field of the Organisation's activities.

12. Although the members of the Executive Board are representative of their respective Governments they shall exercise the powers delegated to them by the General Conference on behalf of the Conference as a whole.

The term of office of the members of the Executive Board during the eighth session of the General Conference shall end at the close of the eighth session of the General Conference. At the eighth session of the General Conference, twenty-two members shall be elected to the Executive Board pursuant to the provisions of this Article, of whom one-half shall retire at the close of the ninth session of the General Conference, the retiring members being chosen by the drawing of lots. Thereafter, eleven members shall be elected at each ordinary session of the General Conference.

Article VI

Secretariat

1. The Secretariat shall consist of a Director-General and such staff as may be required.

2. The Director-General shall be nominated by the Executive Board and appointed by the General Conference for a period of six years, under such conditions as the Conference may approve, and shall be eligible for re-appointment. He shall be the chief administrative officer of the Organisation.

3. (*a*) The Director-General, or a deputy designated by him, shall participate, without the right to vote, in all meetings of the General Conference, of the Executive Board, and of the Committees of the Organisation. He shall formulate proposals for appropriate action by the Conference and the Board, and shall prepare for submission to the Board a draft programme of work for the Organisation with corresponding budget estimates.

(*b*) The Director-General shall prepare and communicate to Member States and to the Executive Board periodical reports on the activities of the Organisation. The General Conference shall determine the periods to be covered by these reports.

4. The Director-General shall appoint the staff of the Secretariat in accordance with staff regulations to be approved by the General Conference. Subject to the paramount consideration of securing the highest standards of integrity, efficiency, and technical competence, appointment to the staff shall be on as wide a geographical basis as possible.

5. The responsibilities of the Director-General and of the staff shall be exclusively international in character. In the discharge of their duties they shall not seek or receive instructions from any Government or from any authority external to the Organisation. They shall refrain from any action which might prejudice their position as international officials. Each State Member of the Organisation undertakes to respect the international character of the responsibilities of the Director-General and the staff, and not to seek to influence them in the discharge of their duties.

6. Nothing in this Article shall preclude the Organisation from entering into special arrangements within the United Nations Organisation for common services and staff and for the interchange of personnel.

Article VII

National Co-operating Bodies

1. Each Member State shall make such arrangements as suit its particular conditions for the purpose of associating its principal bodies interested in educational, scientific, and cultural matters with the work of the Organisation, preferably by the formation of a National Commission broadly representative of the Government and such bodies.

2. National Commissions or national co-operating bodies, where they exist, shall act in an advisory capacity to their respective delegations to the General Conference and to their Governments in matters relating to the Organisation, and shall function as agencies of liaison in all matters of interest to it.

3. The Organisation may, on the request of a Member State, delegate, either temporarily or permanently, a member of its Secretariat to serve on the National Commission of that State, in order to assist in the development of its work.

Article VIII

Reports by Member States

Each Member State shall report periodically to the Organisation, in a manner to be determined by the General Conference, on its laws, regulations, and statistics relating to educational, scientific, and cultural life and institutions, and on the action taken upon the recommendations and conventions referred to in Article IV, paragraph 4.

Article IX

Budget

1. The budget shall be administered by the Organisation.

2. The General Conference shall approve and give final effect to the budget and to the apportionment of financial responsibility among the States Members of the Organisation subject to such arrangement with the United Nations as may be provided in the agreement to be entered into pursuant to Article X.

3. The Director-General, with the approval of the Executive Board, may receive gifts, bequests, and subventions directly from Governments, public and private institutions, associations, and private persons.

Article X

Relations with the United Nations Organisation

This Organisation shall be brought into relation with the United Nations Organisation, as soon as practicable, as one of the specialised agencies referred to in Article 57 of the Charter of the United Nations. This relationship shall be effected through an agreement with the United Nations Organisation under Article 63 of the Charter, which agreement shall be subject to the approval of the General Conference of this Organisation. The agreement shall provide for effective co-operation between the two Organisations in the pursuit of their common purposes, and at the same time shall recognise the autonomy of this Organisasion within the fields of its competence as defined in this Constitution. Such agreement may, among other matters, provide for the approval and financing of the budget of the Organisation by the General Assembly of the United Nations.

Article XI

Relations with other Specialised International Organisations and Agencies

1. This Organisation may co-operate with other specialised inter-governmental organisations and agencies whose interests and activities are related to its purposes. To this end the Director-General, acting under the general authority of the Executive Board, may establish effective working relationships with such organisations and agencies and establish such joint committees as may be necessary to assure effective co-operation. Any formal arrangements entered into with such organisations or agencies shall be subject to the approval of the Executive Board.

2. Whenever the General Conference of this Organisation and the competent authorities of any other specialised inter-governmental organisations or agencies whose purposes and functions lie within the competence of this Organisation deem it desirable to effect a transfer of their resources and activities to this Organisation, the Director-General, subject to the approval of the Conference, may enter into mutually acceptable arrangements for this purpose.

3. This Organisation may make appropriate arrangements with other inter-governmental organisations for reciprocal representation at meetings.

4. The United Nations Educational, Scientific, and Cultural Organisation may make suitable arrangements for consultation and co-operation with non-governmental international organisations concerned with matters within its competence, and may invite them to undertake specific tasks. Such co-operation may also include appropriate participation by representatives of such organisations on advisory committees set up by the General Conference.

Article XII

Legal Status of the Organisation

The provisions of Articles 104 and 105 of the Charter of the United Nations Organisation concerning the legal status of that Organisation, its privileges, and immunities, shall apply in the same way to this Organisation.

Article XIII

Amendments

1. Proposals for amendments to this Constitution shall become effective upon receiving the approval of the General Conference by a two-thirds majority; provided, however, that those amendments which involve fundamental alterations in the aims of the Organisation or new obligations for the Member States shall require subsequent acceptance on the part of two-thirds of the Member States before they come into force. The draft texts of proposed amendments shall be communicated by the Director-General to the Member States at least six months in advance of their consideration by the General Conference.

2. The General Conference shall have power to adopt, by a two-thirds majority, rules of procedure for carrying out the provisions of this Article.

Article XIV

Interpretation

1. The English and French texts of this Constitution shall be regarded as equally authoritative.

2. Any question or dispute concerning the interpretation of this Constitution shall be referred for determination to the International Court of Justice or to an arbitral tribunal, as the General Conference may determine under its rules of procedure.

Article XV

Entry into Force

1. This Constitution shall be subject to acceptance. The instruments of acceptance shall be deposited with the Government of the United Kingdom.

2. This Constitution shall remain open for signature in the archives of the Government of the United Kingdom. Signature may take place either before or after the deposit of the instrument of acceptance. No acceptance shall be valid unless preceded or followed by signature.

3. This Constitution shall come into force when it has been accepted by twenty of its signatories. Subsequent acceptances shall take effect immediately.

4. The Government of the United Kingdom will inform all members of the United Nations of the receipt of all instruments of acceptance and of the date on which the Constitution comes into force in accordance with the preceding paragraph.

In faith whereof, the undersigned, duly authorised to that effect, have signed this Constitution in the English and French languages, both texts being equally authentic.

Done in London the sixteenth day of November, 1945, in a single copy, in the English and French languages, of which certified copies will be communicated by the Government of the United Kingdom to the Governments of all the Members of the United Nations.

INTERNATIONAL COUNCIL OF SCIENTIFIC UNIONS

International Council of Scientific Unions (*Conseil international des unions scientifiques*), 2 via Sebenico, Rome, Italy.

The ICSU was founded in 1931, succeeeding the International Research Council founded in 1919 to co-ordinate international efforts in the different branches of science and its applications; to initiate the formation of international associations or unions deemed to be useful to the progress of science; to enter into relations with the governments of the countries adhering to the Council in order to promote investigations falling within the competence of the Council. Adhering organisations represent 57 countries and 14 international unions. In December 1946 an agreement was signed between UNESCO and the ICSU recognising the latter as the co-ordinating and representative body of international scientific unions.

Officers: Pres. Dr. H. W. THOMPSON (U.K.); Sec.-Gen. Prof. D. BLAŠKOVIČ (Czechoslovakia); Treas. Ing. Gén. G. R. LACLAVÈRE (France); Past Pres. Prof. S. HÖRSTADIUS (Sweden); Vice-Pres. Prof. K. CHANDRASEKHARAN (India); Vice-Pres. Dr. J. M. HARRISON (Canada); Vice-Pres. Prof. HARRISON BROWN (U.S.A.); Vice-Pres. I. MALECKI (Poland). Secretariat (address as above): Exec. Sec. Ing. A. E. DECAE. Publs. *Year Book of the International Council of Scientific Unions, ICSU Bulletin.*

Executive Committee

UNION REPRESENTATIVES:

Prof. J. D. BERNAL	Crystallography
Prof. H. BOESCH	Geography
Sir GORDON SUTHERLAND	Pure and Applied Physics
Prof. K. CHANDRASEKHARAN	Mathematics
Prof. J. W. DUYFF	Physiology
Prof. M. FLORKIN	Biochemistry
Dr. J. M. HARRISON	Geology
Prof. J. KAPLAN	Geodesy and Geophysics
Prof. W. KLEMM	Pure and Applied Chemistry
Prof. M. ROY	Mechanics
Prof. J.-C. PECKER	Astronomy
Dr. R. L. SMITH-ROSE	Scientific Radio
Prof. R. TATON	History and Philosophy of Science
Prof. C. H. WADDINGTON	Biology

NATIONAL REPRESENTATIVES:

Prof. M. I. AGOSHKOV	(U.S.S.R.)
Dr. HARRISON BROWN	(U.S.A.)
Dr. R. V. GARCIA	(Argentina)
Prof. Y. FUJIOKA	(Japan)
Prof. I. MALECKI	(Poland)
Dr. D. F. MARTYN	(Australia)
Prof. G. POLVANI	(Italy)
Dr. S. PRAWIROHARDJO	(Indonesia)
Dr. J. T. WILSON	(Canada)
Dr. J. YANNEY-EWUSIE	(Ghana)

UNIONS FEDERATED TO THE ICSU

International Astronomical Union (*Union astronomique internationale*), Observatoire de Nice, Le Mont-Gros, Nice (Alpes-Maritimes), France; f. 1919. Object: To facilitate co-operation between the astronomers of various countries and to further the study of astronomy in all its branches; 43 countries are affiliated, there are approx. 1,500 individual members. Its next General Assembly will be held in 1967 in Prague.

Pres. Prof. P. SWINGS (Institut d'Astrophysique, Cointe-Sclessin, Liège, Belgium); Gen.-Sec. J.-C. PECKER (Observatoire de Nice). Publs. *Transactions of the International Astronomical Union* and *Symposia organised by the International Astronomical Union.*

International Geographical Union (IGU) (*Union géographique internationale*); f. 1923. Objects: To encourage the study of problems relating to geography, to promote and co-ordinate research requiring international co-operation, and to organise international congresses and commissions; 51 mem. countries.

Pres. Prof. C. TROLL (Germany); Sec.-Treas. Prof. HANS BOESCH, Blüemlisalpstr. 10, 8006 Zürich, Switzerland.

International Mathematical Union, Tata Institute of Fundamental Research, Colaba, Bombay 5, India, Business office: Eidgenössische Technische Hochschule, Zürich, Switzerland; f. 1952 by a convention of delegates of national committees representing 22 countries which met in New York. Objects: To promote international co-operation in mathematics; to support and assist the International Congress of Mathematicians and other international scientific meetings or conferences; to encourage and support other international mathematical activities considered likely to contribute to the development of mathematical science—pure, applied, or educational; 42 mem. countries.

Exec. Cttee.: Pres. Prof. G. DE RHAM; Vice-Pres. H. CARTAN, K. KURATOWSKI; Sec. K. CHANDRASEKHARAN; mems. J. C. BURKILL, F. HIRZEBRUCH, M. A. LAVRENTIEV, D. MONTGOMERY, B. SEGRE, R. NEVANLINNA.

International Scientific Radio Union (*Union radio scientifique internationale*), 7 Place Emile Danco, Brussels 18; f. 1920 Objects: to develop scientific studies connected with radioelectricity, and especially (*a*) to promote and organise research necessitating international co-operation, and to facilitate the discussion and publication of the results of this research, and (*b*) to facilitate the establishment of common radio measurements and standards. There are 34 national committees.

Pres. Prof. I. KOGA (Japan); Sec.-Gen. E. HERBAYS (Brussels). Publs. *Proceedings of General Assemblies of the URSI, Information Bulletin* (bi-monthly), *Special Reports, Proceedings of Meetings of Mixed Commissions: (a) on the Ionosphere, (b) on Radio-Meteorology, Ionospheric Stations Manual.*

International Union of Biochemistry (*Union internationale de biochimie*), c/o Institut de Chimie Biologique, Faculté des Sciences, Place Victor-Hugo, Marseilles, France; f. 1955; Objects: (*a*) to encourage the continuance of a series of International Congresses of Biochemistry, (*b*) to promote international co-ordination of research, discussion and publication, (*c*) to organise a permanent co-operation between the societies representing biochemistry in the adherent countries, and (*d*) to contribute to the advancement of biochemistry in all its international aspects. Twenty-eight member countries. The last meeting of the Union took place in New York (July 1964).

Pres. Prof. S. OCHOA (U.S.A.); Treas. Prof. E. H. STOTZ (U.S.A.); Sec.-Gen. Prof. P. DESNUELLE (France),

International Union of Biological Sciences (*Union internationale des sciences biologiques*); f. 1919. Object: The promotion of international co-operation in biology. Thirty-four countries are represented.

Pres. Prof. C. H. WADDINGTON; Sec.-Gen. Prof. D. S. FARNER, Dept. of Zoology, University of Washington, Seattle, Washington, U.S.A.; Sec. Acad. I. MÁLEK (Czechoslovakia); Treas. Dr. F. A. STAFLEU (Netherlands).

International Union of Crystallography (*Union internationale de cristallographie*); f. 1947. Objects: To promote international co-operation in crystallography; to contribute to the advancement of crystallography in all its aspects, including related topics concerning the non-crystalline states; to facilitate international standardisation of methods, of units, of nomenclature and of symbols used in crystallography; and to form a focus for the relations of crystallography to other sciences; 28 member countries; 8 Commissions.

Pres. J. D. BERNAL (U.K.); Gen. Sec. Dr. D. W. SMITS (Rekencentrum der Rijksuniversiteit, Grote Appelstraat 11, Groningen, Netherlands). Publs. *Acta Crystallographica* (monthly), *Structure Reports* (about one volume per annum), *International Tables for X-ray Crystallography*, *Fifty Years of X-ray Diffraction*, *World Directory of Crystallographers*, etc.

International Union of Geodesy and Geophysics (*Union géodésique et géophysique internationale*), Geophysics Laboratory, University of Toronto, Toronto, Canada; f. 1919. Objects: To promote the study of problems relating to the form and physics of the earth; to initiate, facilitate and co-ordinate research into, and investigation of, those problems of geodesy and geophysics which require international co-operation; to provide for discussion, comparison and publication. The Union is a federation of 7 associations representing Geodesy, Seismology and Physics of the Earth's Interior, Physical Oceanography, Volcanology, Scientific Hydrology, Meteorology and Atmospheric Physics, Geomagnetism and Aeronomy, which meet at the General Assemblies of the Union. In addition, there are Joint Committees of the various associations either among themselves or with other unions. The Union organises scientific meetings and also sponsors various permanent services, the object of which is to collect, analyse and publish geophysical data; 61 mem. countries.

Pres. J. KAPLAN (U.S.A.); Vice-Pres. K. E. BULLEN (Australia), J. COULOMB (France); Gen. Sec. G. D. GARLAND (Canada); Publs. *IUGG Chronicle* (fortnightly), *IUGG Monographs* (irregular), *Proceedings of Assemblies*; in addition each member association has its own series of publications.

International Union of Geological Sciences (*Union International des sciences géologiques*); f. 1961 as an offspring of the International Geological Congress; mems. from 50 countries.

Pres. TOM F. W. BARTH (Norway); Vice-Pres. F. GONZALES BONORINO (Argentina), I. I. GORSKY (U.S.S.R.), TOM B. NOLAN (U.S.A.), B. C. ROY (India), R. W. WILLETT (New Zealand), V. ZOUBEK (Czechoslovakia); Tres. R. TRUMPY (Switzerland); Sec.-Gen. W. P. VAN LECKWIJCK, Mechelse steenweg 206, Antwerp, Belgium; Publ. *I.U.G.S. Circular Letters.*

International Union of the History and Philosophy of Science (*Union internationale d'histoire et de philosophie des sciences*), 12 rue Colbert, Paris 2e, France; Division of Logic, Methodology and Philosophy of Science, Stanford University, Stanford, California, U.S.A.; f. 1954. Object: To act as a clearing-house for research into the history and philosophy of science and to assist directly the activities of UNESCO in this field.

Council: Pres. Prof. V. RONCHI (Italy); Vice-Pres. Prof. G. H. VON WRIGHT (Finland); Treas. Dr. D. A. WITTOP-KONING (Netherlands); Sec.-Gen. Dr. R. TATON (France). Publs. *Archives internationales d'histoire des sciences*, *Journal of Symbolic Logic.*

International Union of Physiological Sciences, c/o Prof. W. O. FENN, Medical Center, University of Rochester, Rochester 20, N.Y., U.S.A.; f. 1953 to encourage the series of International Congresses of Physiological Sciences (Physiology and Pharmacology); to promote further congresses; to take all action which will contribute to the development of physiological sciences; mems. national or regional physiological societies of 37 countries.

Pres. Sir LINDOR BROWN (England); Vice-Pres. J. W. DUYFF (Neths); CARL F. SCHMIDT (U.S.A.); Sec. Prof. F. C. MACINTOSH (Canada).

International Union of Pure and Applied Chemistry—IUPAC (*Union internationale de chimie pure et appliquée*), Secretariat: c/o F. Hoffman-La Roche & Co. Ltd., Grenzacherstr. 124, 4002 Basle, Switzerland; f. 1919; Objects: to promote permanent co-operation between the chemists of the member countries; to study topics of international importance which require regulation, standardization or codification; to co-operate with other international organizations which deal with topics of a chemical nature; to contribute to the advancement of pure and applied chemistry in all its aspects; 44 member countries.

Pres. W. KLEMM (Germany); Sec.-Gen. Dr. R. MORF (Switzerland); Hon. Treas. Prof. J. C. BAILAR, Jr. (U.S.A.). Publs. *Pure and Applied Chemistry*, *Comptes Rendus*, *Information Bulletin.*

International Union of Pure and Applied Physics (*Union internationale de physique pure et appliquée*); f. 1922. Object: to promote and encourage international co-operation in physics. Thirty-four countries are affiliated.

Pres. L. NÉEL (France); Sec.-Gen. C. C. BUTLER (Imperial College, South Kensington, London S.W.7, England).

International Union of Theoretical and Applied Mechanics (*Union internationale de mécanique théorique et appliquée*). The Union was created by a decision of the International Committee for the Congresses of Applied Mechanics at its meeting in Paris during the Sixth Congress, in September 1946. It formally came into existence on April 1st, 1947. The object of the Union is to form a link between persons and organisations engaged in scientific work (theoretical or experimental) in mechanics or in related sciences; to organise international meetings for subjects falling within this field; and to engage in other activities meant to promote the development of mechanics as a science; 25 mem. countries.

From November 1st, 1960 to October 31st, 1964 the Bureau of the Union consists of G. TEMPLE, Oxford (Pres.), F. K. G. ODQUIST, Stockholm (Vice-Pres.), Prof. MAURICE ROY, 55 Boulevard Malesherbes, Paris 8e, France (Sec.), W. T. KOITER, Delft (Treas.), and four other members.

The Union is directed by its General Assembly, which is composed of representatives of the organisations adhering to the Union and of elected members.

Tasks which fall within the sphere of activities of two or more Unions have been undertaken by the following Special Committees set up by the ICSU:

Scientific Committee on Oceanic Research (SCOR): f. 1957 to further international scientific activity in all branches of oceanic research; as a first step in this programme SCOR is engaged with UNESCO on the International Indian Ocean Expedition, begun in 1962.

Secretariat: Dr. G. BÖHNECKE, Neuer Wall 34, 2 Hamburg 36, German Federal Republic.

Scientific Committee on Antarctic Research (SCAR): f. 1958 to continue the co-operative scientific exploration of Antarctica after the close of the International Geophysical Year (IGY). Mems. 12 countries.

Secretariat: Dr. G. de Q. ROBIN, Scott Polar Research Institute, Cambridge, England.

Committee on Space Research (COSPAR): f. 1958 to continue and foster, after the end of IGY, international co-operation in all sciences that make use of the new research tools of rockets and satellites.

Pres. Prof. MAURICE ROY, 55 Boulevard Malesherbes, Paris 8e, France; Vice-Pres. Academician BLAGONRAVOV (U.S.S.R.), Dr. R. W. PORTER (U.S.A.); Secretariat: M. J. GAZIN, Exec. Sec., 55 Boulevard Malesherbes, Paris 8e, France.

Publs. *COSPAR Information Bulletin, International Reference Atmosphere Tables, World List of Optical and Radio Tracking Stations.*

International Geophysical Committee (*Comité international de géophysique—CIG*), 6 Cornwall Terrace, London, N.W.1; f. 1959 to continue the work of the International Geophysical Year in the following fields: Meteorology, Nuclear Radiation, Aeronomy, Geomagnetism, Aurora and Airglow, Solar Activity, Ionosphere, Cosmic Rays, Oceanography, Glaciology, Seismology, Paleogeophysics; to ensure the fullest exploitation of IGY and IGC data; to maintain the efficient functioning of the IGY World Data Centres; to encourage the discussion and utilisation of IGY and IGC 1959 results, and the publication of IGY and IGC results and bibliographies.

Hon. Pres. Prof. S. CHAPMAN; Pres. Prof. W. BEYNON (U.K.); Vice-Pres. V. V. BELOUSSOV (U.S.S.R.), Dr. M. A. POMERANTZ (U.S.A.), Prof. G. RIGHINI (Italy); Sec. Dr. C. M. MINNIS, 6. Cornwall Terrace, London, N.W.1, England.

ICSU Abstracting Board: f. 1949; facilitates the prompt publication of abstracts in Physics, Chemistry, Biology and Astronomy co-operates with the Institute for Scientific Information of the Academy of Sciences of the U.S.S.R.

Secretariat: Mrs. J. POYEN, Gen. Sec. ICSU Abstracting Board, 17 rue Mirabeau, Paris 16e, France.

Federation of Astronomical and Geophysical Services (FAGS): f. 1956; federates the following Permanent Services: International Time Bureau, International Polar Motion Service, Permanent Service of Geomagnetic Indices, International Gravimetric Bureau, International Seismological Summary, Monthly Bulletin of the International Seismological Bureau, Quarterly Bulletin of Solar Activity, Permanent Service of Earth Tides, International Ursigram and World Day Service, Mean Sea-Level Service, Permanent Service on Crustal Thickness, Solar Particles and Radiation Monitoring Organisation.

Pres. Prof. P. TARDI (France); Vice-Pres. Ing. E. HERBAYS (Belgium); Sec.-Gen. Prof. G. D. GARLAND (Canada), Geophysics Laboratory, University of Toronto, Toronto 5, Ontario; Scientific Sec. Dr. A. F. MOORE, Int. Council of Scientific Unions, Rome, Italy.

Publs. *Quarterly Bulletin of Solar Activity, International Seismological Summary, Tables of Geomagnetic Indices, Bulletin Mensuel du Bureau Central International de Séismologie, Bulletin Horaire,* etc.

Special Committee for the International Biological Programme (SCIBP): f. 1963; to undertake biological research in connection with world population growth and demands on the natural environment.

Pres. JEAN G. BAER (Switzerland); Vice-Pres. STANLEY A. CAID (U.S.A.); G. MONTALENTI (Italy); K. PETRUSEWICZ (Poland); C. H. WADDINGTON (U.K.); Central Office: 7 Marylebone Road, London, N.W.1., England.

Special Committee for the International Years of the Quiet Sun (IQSY): f. 1962 to organise all aspects of a special international programme of geophysical observations during the period of minimum solar activity in 1964 and 1965. Over 70 countries have participated.

Sec.: Dr. C. M. MINNIS, 6 Cornwall Terrace, London, N.W.1, England. Publs. *IQSY Instruction Manuals, IQSY Notes, Annals of the IQSY.*

INTERNATIONAL COUNCIL FOR PHILOSOPHY AND HUMANISTIC STUDIES

International Council for Philosophy and Humanistic Studies, (ICPHS) (*Conseil international de la philosophie et des sciences humaines*); Headquarters: Palais des Académies, 1 rue Ducale, Brussels; Secretariat: Maison de l'UNESCO, 6 rue Franklin, Paris 16e, France; f. 1949 under the auspices of UNESCO to encourage respect for cultural autonomy by the comparative study of civilisation, to contribute towards international understanding through a better knowledge of man, to develop international co-operation in philosophy, humanistic and kindred studies, to encourage the setting up of international organisations, to promote the dissemination of information in these fields, to sponsor works of learning, etc. The Council is composed of 12 international non-governmental organisations listed below. These organisations represent 92 countries. In December 1951 an agreement was signed between UNESCO and ICPHS recognising the latter as the co-ordinating and representative body of organisations in the field of philosophy and humanistic studies.

Pres. Charles E. Odegaard (U.S.A.); Vice-Pres. C. C. Berg (Netherlands), Silvio Zavala (Mexico), K. Kumaniecki (Poland), T. Yamamoto (Japan); Sec.-Gen. R. Syme (New Zealand); Treas. H. Hahnloser (Switzerland); Deputy Sec.-Gen. J. d'Ormesson. Publs. *Bulletin of Information* (biennially), *Diogènes* (quarterly).

Unions Federated to the ICPHS

International Academic Union (*Union académique internationale*), Palais des Académies, 1 rue Ducale, Brussels; f. October 15th, 1919, by representatives of academic institutions from 25 states of Europe, America, Australia and Asia. Object: to promote international co-operation through collective research in philology, archæology, moral history and political and social sciences. Affiliated countries: Australia, Austria, Belgium, Canada, Czechoslovakia, Denmark, Finland, France, Germany, Great Britain, Greece, Hungary, India, Italy, Japan, Mexico, The Netherlands, Norway, Poland, Rumania, Spain, Sweden, Switzerland, U.S.A., and Yugoslavia.

Pres. Prof. Rensselaer W. Lee (U.S.A.); Admin. Sec. Ch. Manneback, Académie Royale de Belgique, Palais des Académies, 1 rue Ducale, Brussels. Publs. Dictionaries of International Law and Medieval Latin, *Monumenta Musicae Byzantinae*, Historical Documents concerning Japan, *Corpus Vasorum Antiquorum*, *Latin médiéval*, *Corpus Philosophorum*, *Corpus Vitrearum*, *Dictionnaire Pâli*, *Corpus des Troubadours*, etc.

International Association for the History of Religions (*Association internationale pour l'histoire des religions*); f. 1950 by the 7th International Congress for the Study of the History of Religions. Object: to promote the study of the history of religions through the international collaboration of all scholars whose research has a bearing on the subject, to organise congresses and to stimulate the production of works. Thirteen member countries.

Pres. G. Widengren, Uppsala; Sec.-Gen. C. J. Bleeker, 290 Churchill-laan, Amsterdam Z, The Netherlands.

International Committee for Historical Sciences (*Comité international des sciences historiques*), Archives Cantonales, Lausanne, Switzerland; f. 1926; int. congresses since 1903 to work for the advancement of historical sciences by means of international co-ordination. Mems. in 36 countries. General assembly every two or three years.

Sec.-Gen. Michel François (France), 270 Boulevard Raspail, Paris 14e. Publs. Congress Reports, *Bulletin d'Information* (1953-61), *Bibliographie Internationale des Sciences Historiques* (1929-39, 1946-59), *World List of Historical Periodicals and Bibliographies*, *Bibliographie des travaux parus en Mélanges*, Vol. I, 1885-1939, *Bibliographie de la Réforme*, *Histoire des Assemblées d'Etat*, *Répertoire des sources de l'Histoire des Mouvements Sociaux*, *Guia de las Personas que cultivan la Historia de America*, *Repertorium der diplomatischen Vertreter aller Länder*, *Excerpta Historica Nordica*.

International Committee on the History of Art (*Comité international d'histoire de l'art*), 3 rue Michelet, Paris 6e, France; f. 1930 by the 12th International Congress on the History of Art. Object: collaboration in the scientific study of the history of art. Mems. in 26 countries. International congress every three years.

Pres. Prof. Millard Meiss (U.S.A.); Sec.-Gen. André Chastel, Sorbonne, Paris, France; Publs. *Répertoire d'Art et d'Archéologie* (annually), *Fichier documentaire de l'Histoire de l'Art*, *Dictionnaire international d'Art et d'Archéologie*, *Corpus internationaux des peintures murales et des vitraux du Moyen Age*.

International Congress of Africanists: c/o Institute of African Studies, University of Ibadan, Nigeria; f. 1960. Object: to develop international co-operation in the field of African Studies through periodic meetings and publications, to organise and promote research on an international basis and to serve as a body which shall encourage Africans to have a growing consciousness of their membership of the human race and to express themselves in all fields of human endeavour.

President K. Onwuka Dike (Nigeria); Vice-Pres. Martin Bakole (Congo-Léopoldville), Georges Balandier (France), Abdelwahab Bouhdiba (Tunisia), Aime Cesaire (Martinique), James Coleman (U.S.A.), Aklilu Habte (Ethiopia), Joseph Ki-Zerbo (Upper Volta), Nicholas Otieno (Kenya), Ivan Potekhin (U.S.S.R.); Sec.-Gen. Nana Kobina, Nketsia IV, Accra, Ghana; Exec. Sec. Michael Crowder, Institute of African Studies, University of Ibadan, Nigeria; Treas. Darryl Forde.

International Federation of the Societies of Classical Studies (*Fédération internationale des associations d'études classiques*), c/o Mlle J. Ernst, 11 avenue du Parc Montsouris, Paris 14e, France; f. 1948 under the auspices of UNESCO. Objects: to encourage research concerning the ancient civilisations of Greece and Rome; to group the main national associations so engaged; to ensure collaboration with relevant international organisations. Mems.: in 28 countries; affiliated bodies include the International Society for Classical Bibliography, International Society for Classical Archæology, International Society for Byzantine Studies, International Association for Latin Epigraphy, International Association of Papyrologists, Unione internazionale degli Istituti di Archeologia, Storia e Storia dell' Arte in Roma, Société d'histoire des droits de l'antiquité.

Pres. Prof. D. Norberg (Sweden); Sec. Mlle. J. Ernst (Switzerland). Publs. *L'Année Philologique*, *Fasti Archaeologici*, other bibliographies, dictionaries, reference works, *Thesaurus Linguae Latinae*, *Thesaurus Linguae Graecae*, *Oxyrhynchus Papyri*, *Lustrum*.

International Federation of Modern Languages and Literatures (*Fédération internationale des langues et littératures modernes*), St. Catharine's College, Cambridge,

England; f. 1928 as the International Committee on Modern Literary History; changed to its present form in 1951. Objects: to establish permanent contact between historians of literature, to develop or perfect facilities for their work and to promote the study of the history of modern literature. Twelve member associations, with members in 71 countries. Congress every three years.

Pres. (1963-66) JOHN ORR (Edinburgh); Sec.-Gen. S. C. ASTON (Gt. Britain). Publs. *Répertoire Chronologique des littératures modernes, Acts of the Triennial Congresses.*

International Federation of Societies of Philosophy (*Fédération internationale des sociétés de philosophie*); f. 1948 under the auspices of UNESCO. Object: to encourage international co-operation in the field of philosophy, and to promote congresses, symposia and publications. Thirty-eight member countries.

Pres. FRANCISCO LARROYO (Mexico); Sec.-Gen. CHAIM PERELMAN, 32 rue de la Pêcherie, Brussels 18, Belgium. Publs. An international bibliography of philosophy, *Husserliana, Chroniques de Philosophie, Philosophy and World Community*, etc.

International Musicological Society (*Société internationale de musicologie*); f. 1927. Object: to promote musicological research, to encourage study in this field and to co-ordinate the work of musicologists throughout the world. Forty member countries.

Pres. VLADIMIR FEDOROV (France); Vice-Pres. DONALD GROUT (U.S.A.), KURT VON FISCHER (Switzerland); Sec.-Gen. ERNST MOHR, 25 Passwangstrasse, Basle, Switzerland. Publs. An international Repertory of Musical Sources, *Acta Musicologica, Documenta Musicologica.*

International Permanent Committee of Linguists (*Comité international permanent des linguistes*); f. 1928. Object: to work for the advancement of linguistics throughout the world and to encourage international co-operation in this field. Eighteen member countries.

Pres. A. SOMMERFELT (Norway); Sec.-Gen. CHRISTINE MOHRMANN, 40 Sint Annastraat, Nijmegen, The Netherlands. Publs. *An International Bibliography of Linguistics, Onoma, Linguistic Atlas, a Linguistic Encyclopaedia*, etc.

International Union of Anthropological and Ethnological Sciences (*Union internationale des sciences anthropologiques et ethnologiques*); f. 1948 under the auspices of UNESCO. Object: to foster co-operation among anthropological and ethnological institutions. Sixty-seven member countries (152 socities or institutes).

Pres. Prof. Dr. MASAO OKA (Japan); Secretariat: Prof. Dr. L. KRADER, Maxwell School, Syracuse Univ., Syracuse 13210, U.S.A.; Prof. Dr. P. BOSCH-GIMPERA (Mexico); Dr. G. F. DEBETZ (U.S.S.R.). Publ. *Bulletin of the International Committee on Urgent Anthropological and Ethnological Research.*

International Union of Orientalists (*Union internationale des orientalistes*); f. 1951 by the 22nd International Congress of Orientalists under the auspices of UNESCO. Object: to promote contacts between orientalists throughout the world, and to organise congresses, research and publications. Twenty-six member countries.

Pres. KAJ BARR (Denmark); Sec.-Gen. HELMUTH SCHEEL, 2 Geschwister-School-Strasse, Mainz 22B, Germany. Publs. Four oriental bibliographies, *Philologiae Turcicae Fundamenta, Materialien zum Sumerischen Lexickon, Sanskrit Dictionary, Corpus Inscriptionum Iranicarum, Linguistic Atlas of Iran, Matériels des parlers iraniens, Bibliographie Egyptologique.*

International Union of Prehistoric and Protohistoric Sciences (*Union internationale des sciences préhistoriques et protohistoriques*); f. 1931. Object: to promote congresses and scientific work in the fields of Pre- and Protohistory. Seventy-nine member countries.

Pres. JAN FILIP (Czechoslovakia); Sec.-Gen. S. J. DE LAET, 2 Blandijnberg, Ghent, Belgium. Publs. *Inventaria archeologica, Glossarium archaeologicum, Bibliographie annuelle de la Pierre taillée*, etc.

OTHER INTERNATIONAL ORGANISATIONS

AGRICULTURE

Food and Agriculture Organisation of the United Nations (*Organisation des Nations Unies pour l'Alimentation et l'Agriculture*), Viale delle Terme di Caracalla, Rome, Italy; f. 1945; Objects: to raise level of nutrition and living standards, improve production and distribution of food and agricultural products (including forestry and fishing), and better the conditions of rural populations. Its functions are advisory and consultative, and include the collection and dissemination of information, the encouragement of technical advance in relation to productivity, provision of expert advisers to 60 governments, and fellowships for training technicians. Also executing agency for 38 per cent ($262 million) of all Special Fund projects and Joint Administrator with UN of World Food Programme which distributes $90 million in foodstuffs for emergency relief 1963-65. In 1960 launched the Freedom from Hunger Campaign. Mems.: Governments of 111 countires; over 3,500 expert assignments and over 3,000 fellowships have been operated under the technical assistance programme. Secretariat: 1,900 specialists. Budget: over $38 million for the two years 1964-65. Library of 700,000 vols. and 5,000 current periodicals.

Dir.-Gen. B. R. SEN (India); Deputy Gen. ORIS V. WELLS (U.S.A.). Publs. *The State of Food and Agriculture* (annually), *The Third World Food Survey* (1963); Yearbooks of Trade and Production in Agriculture, Forestry and Fisheries and about 700 specialised technical studies and periodicals.

Commonwealth Agricultural Bureaux: Farnham House, Farnham Royal, Bucks.; f. in 1929 as the Imperial Agricultural Bureaux by agreement among the Governments of the British Commonwealth to act as effective clearing-houses for the interchange of information of value to research workers in agricultural sciences and forestry; each Bureau is an information service for scientists throughout the World; there are in all 13 separate centres (*see* below) under the control of the Exec. Council; Chair. C. S. McMORRIS; Vice-Chair. W. HARTLEY; Sec. Sir THOMAS SCRIVENOR, C.M.G.

Commonwealth Institute of Entomology: British Museum of Natural History, Cromwell Road, London, S.W.7; f. 1913 for the collection, co-ordination, and dissemination of all information bearing upon injurious and useful insects and other arthropods; undertakes identifications; Dir. E. O. PEARSON, O.B.E., M.A., A.I.C.T.A.; publs. *Bulletin of Entomological Research* (quarterly), *Review of Applied Entomology* (monthly), *Distribution Maps of Pests* (18 yearly).

Commonwealth Mycological Institute: Ferry Lane, Kew, Surrey; f. 1920 for the collection and dissemination of information on the fungal, bacterial, virus, physiological and soil disorders of plants and on all deleterious fungi of economic importance; undertakes identifications; Dir. G. C. AINSWORTH, PH.D.; publs. *Review of Applied Mycology* (monthly), *Distribution Maps of Plant Diseases* (two each month); *Index of Fungi* (twice a year), *Review of Medical and Veterinary Mycology* (quarterly), *Commonwealth Phytopathological News* (quarterly), *Mycological Papers* (irregular), *Phytopathological Papers* (irregular).

Commonwealth Institute of Biological Control: Gordon Street, Curepe, Trinidad, W.I.; f. 1927 as the Farnham House (Slough) Laboratory of the Imperial Institute of Entomology; transferred to Canada 1940 and to Trinidad 1962; its purpose is the biological control of injurious insects and noxious weeds, and the collection and distribution throughout the British Commonwealth of beneficial parasites with which to attack the harmful ones; Dir. F. J. SIMMONDS, M.A., PH.D., D.SC.; publ. *A Catalogue of the Parasites and Predators of Insect Pests.*

Commonwealth Bureau of Animal Breeding and Genetics: The King's Buildings, West Mains Road, Edinburgh, 9; f. 1929 for the collection and abstracting of the world's literature on the breeding and the genetics of animals, and for the dissemination of this information throughout the world; Dir. J. P. MAULE, M.A., DIP.AGRIC.(CANTAB.), A.I.C.T.A., F.R.S.E.; publ. *Animal Breeding Abstracts* (quarterly).

Commonwealth Bureau of Animal Health: Central Veterinary Laboratory, New Haw, Weybridge, Surrey; f. 1929 for the collection and abstracting of the world's literature in connection with the various aspects of veterinary science, and for the dissemination of this information throughout the world; Dir. M. CRAWFORD, M.R.C.V.S.; publs. *Index Veterinarius* (quarterly), *The Veterinary Bulletin* (monthly).

Commonwealth Bureau of Animal Nutrition: Rowett Research Institute, Bucksburn, Aberdeen; f. 1929 to collect and abstract the world's literature in the field of human and animal nutrition, and to disseminate this information throughout the World; Dir. D. HARVEY, M.A., B.SC., PH.D.; publ. *Nutrition Abstracts and Reviews* (quarterly).

Commonwealth Bureau of Dairy Science and Technology: Shinfield, near Reading, Berks.; f. 1938 for the collection, collation, and distribution of scientific and technological information on dairy husbandry, milk and milk products, and the economics, physiology, microbiology, chemistry and physics of dairying for the benefit of research workers, teachers, advisory officers, etc.; Dir. E. J. MANN, N.D.D., C.D.D.; publs. *Dairy Science Abstracts* (monthly).

Commonwealth Forestry Bureau: at Commonwealth Forestry Institute, South Parks Road, Oxford; f. 1938 for the collection and abstracting of the world's literature on forestry, forest products and their utilisation, and for the dissemination of this information throughout the world; Dir. C. SWABEY, C.M.G., B.SC.; publ. *Forestry Abstracts* (quarterly).

Commonwealth Bureau of Helminthology: The White House, 103 St. Peter's Street, St. Albans, Herts.; f. 1929; collates world research literature on helminth parasites of animals and plants, with reference particularly to those of economic importance; Dir. Miss S. M. WILLMOTT, PH.D.; publ. *Helminthological Abstracts* (quarterly).

Commonwealth Bureau of Horticulture and Plantation Crops: East Malling Research Station, near Maidstone, Kent; f. 1929 as a clearing-house of information on investigations into problems affecting horticulture and plantation crops throughout the world; Dir. G. K. ARGLES, DIP.HORT.(WYE), A.I.C.T.A.; publ. *Horticultural Abstracts* (quarterly).

Commonwealth Bureau of Pastures and Field Crops: Hurley, nr. Maidenhead, Berks.; f. 1929 to collect, abstract and distribute information on research and developments throughout the world relating to grass and grasslands, crops and plants grown or used for fodder, and (since 1947) annual field crops; current periodicals and reports published in many languages are constantly scrutinised and abstracts of important articles or papers are prepared from them by a whole-time qualified staff; Dir. A. G. G. HILL, B.A., AGR.B., B.SC.; publs. *Herbage Abstracts, Field Crop Abstracts* (both quarterly).

Commonwealth Bureau of Plant Breeding and Genetics: School of Agriculture, Cambridge; f. 1929 to abstract and review current literature on the breeding and genetics of plants of economic importance and relevant publications in allied fields, plant pathology, applied statistics, and other sciences, and to maintain an information service on these subjects; Dir. R. H. RICHENS, M.A.; publ. *Plant Breeding Abstracts* (quarterly).

Commonwealth Bureau of Soils: Rothamsted Experimental Station, Harpenden, Herts.; f. 1929 for the collection and dissemination of information from all sources on soil, whether as the nurse of growing crops, the raw material for a road, or from purely physical and chemical aspects; Dir. G. V. JACKS, M.A.; publs. *Soils and Fertilizers* (alternate months), *Bibliography of Soil Science, Fertilizers and General Agronomy* (triennial).

Dairy Society International (DSI) (*Société internationale laitière*), 1145 19th Street, N.W., Washington, D.C. 20036, U.S.A.; f. 1946 to foster the extension of dairy and dairy industrial enterprise internationally through an interchange and dissemination of scientific, technological, economic, dietary and other relevant information and through a bringing together of persons and entities devoted thereto; organiser and sponsor of the first World Congress for Milk Utilisation.

Pres. D. G. COLONY (U.S.A.); Vice-Presidents WILLIAM J. HITZ (U.S.A.), C. J. MACDERMOTT (Australia), OWEN K. HALLBERG (U.S.A.), MAURICE MACARI (France), MITSUGI SATO (Japan); Man. Dir. GEORGE W. WEIGOLD (U.S.A.); Sec. GORDON T. JEFFERS (U.S.A.). Publs. *D.S.I. Report to Members, D.S.I. Bulletin* (both approx. quarterly), *Market Frontier News*, and booklets on dairying in English and Spanish.

European Confederation of Agriculture (*Confédération Européenne de l'Agriculture*), Brugg, Aargau, Switzerland; f. 1889 as International Confederation of Agriculture, re-formed in 1948 as European Confederation of Agriculture; represents the interests of European agriculture in the international field; 418 ordinary and 63 advisory mems. from 20 countries.

Pres. B. STÜRGKH (Austria); Gen. Sec. Dr. M. COLLAUD. Publs. *Bulletin d'Information CEA, Rapport sue le marché international du lait et des produits laitiers* (quarterly); publs. on current technical, economic, social and cultural problems affecting European agriculture, Annual Report on the General Assembly: 10 *années Confédération Européenne de l'Agriculture*.

Inter-American Institute of Agricultural Sciences (*Instituto Interamericano de Ciencias Agricolas*), Secretariat: Apto. 4359, San José, Costa Rica; Headquarters at Turrialba, Costa Rica; f. 1944; a specialised agency of the Organisation of the American States (OAS). Objects: the advancement of agriculture through research, education and services. The Institute is concerned with problems of plant and animal production, socio-economic development, and the growth of national institutions; it directs the Technical Co-operation Programme of the OAS through Regional Offices: Southern Zone (Montevideo, Uruguay), Andean Zone (Lima, Peru), and Northern Zone (Havana, Cuba). An Agricultural Credit Center with offices in Mexico has been set up; library of 85,000 vols. and 1,200 periodicals.

Dir.-Gen. Ing. ARMANDO SAMPER GNECCO; Technical Affairs Officer Ing. CARLOS MADRID; Exec. Officer and Treas. DON L. SHURTLEFF; Official Relations Officer ROGELIO COTO MONGE; Dir. Planning Office Dr. JOSÉ MARULL. Publs. *Turrialba* (quarterly), *Information Bulletin* (quarterly in English, monthly in Spanish), *Cacao* (quarterly in Spanish and English), *Coffee* (quarterly in Spanish and English), *Extension in the Americas* (bi-monthly publication on extension studies), *Communications on Agricultural Research* (in Latin America), annual and monthly reports, special scientific papers.

ATTACHED INSTITUTE

Training and Research Center: Turrialba.

Director: Dr. GORDON HAVORD.
Dean of Graduate School: DAMON BOYNTON.
Registrar: Ing. ARMANDO VALLE.
Librarian: OLGA LENDVAYOVA.
Plant Industry and Soils: Dr. GORDON HAVORD.
Animal Husbandry: Dr. JOHN V. BATEMAN.
Economics and Soil Sciences: Dr. JOSEPH DI FRANCO.
Forestry: Dr. GERARDO BUDOWSKI.
Administrative Services: KAREL A. HALLEBEEK.

International Centre for Advanced Mediterranean Agronomic Studies, Secretariat: OECD, 2 rue André-Pascal, Paris XVIe; comprises two institutes:

The Mediterranean Agronomic Institute of Bari; Dir. Prof. DEL PRETE, Facolta Agraria, Università di Bari, Bari, Italy.

The Mediterranean Agronomic Institute of Montpellier; Dir. M. BUCHET, Institut Agronomique Mediterranéen, route de Mende, Montpellier (Hérault), France.

International Committee on Veterinary Anatomical Nomenclature (ICVAN) (*Internationale Veterinär-Anatomische Nomenklatur-Kommission—IVANK*), Vienna III, Linke Bahngasse 11; f. 1957.

Pres. Prof. Dr. J. SCHREIBER (Austria); Vice-Pres. Prof. Dr. Dr. OSKAR SCHALLER (Austria), Prof. Dr. ROBERT E. HABEL (U.S.A.). Publ. Reports.

International Commission of Agricultural Engineering (*Commission Internationale de Génie Rural*), 15 Avenue du Maine, Paris 15e, France. Mem. associations from 12 countries, individual mems. from 8 countries.

Pres. M. ARANDA (Spain); Sec.-Gen. M. CARLIER (France).

International Commission of Agricultural Industries (*Commission internationale des industries agricoles*), 18 avenue de Villars, Paris 7e, France; 50 avenue Crozet, Geneva, Switzerland; 38 boulevard Regent, Brussels, Belgium; and Ministerio de l'Agricultura, Atocha 1, Madrid; f. 1934. Objects: To co-ordinate international activities which concern agricultural and food industries; to assemble scientific, technical and economic documentation for these industries; to organise periodical international congresses for agricultural and food industries; 48 mem. states; library of about 40,000 vols.

Sec.-Gen. HENRY FRANÇOIS DUPONT. Publs. *International Review of Agricultural Industries* (monthly), *Industries Agricoles et Alimentaires* (monthly), *Annales des Falsifications et de l'Expertise Chimique* (monthly), *Comptes Rendus des Congrès Internationaux des Industries Agricoles* (every two years).

International Committee for Biological Control (*Commission internationale de lutte biologique contre les ennemis des cultures*), Dept. of Entomology, Swiss Federal Institute of Technology, Zürich, Switzerland; f. 1955 to promote and co-ordinate research on the more effective biological

control of insects and plants harmful to agriculture. Mems.: government departments, institutions and individuals in Belgium, France, Germany, Greece, Italy, Iran, Lebanon, Morocco, Netherlands, Portugal Overseas, Spain, Switzerland, Syria, Tunisia, Turkey, Yugoslavia.

Pres. Prof. A. S. BALACHOWSKY (France); Sec.-Gen. Dr. P. GRISON (France); Treas. Prof. P. BOVEY (Switzerland).

International Confederation of Technical Agriculturists (*Confédération internationale des techniciens de l'Agriculture*), Beethovenstrasse 24, Zürich; Technical H.Q., Via Barberini 86, Rome; f. 1930. Objects: To promote and develop relations between agricultural technicians of different countries for the purpose of mutual protection and assistance and for the co-ordination of their efforts in matters of mutual concern and in agricultural questions. Forty countries are represented in the Federation.

Pres. ERNEST FEISST (Switzerland); Gen. Sec. Prof. FRANCO ANGELINI (Italy).

International Association of Agricultural Economists (*Conférence internationale des économistes agricoles*), Admin. Block C.B.C., Yarner, Dartington, near Totnes, Devon, England; f. 1929 to foster development of the sciences of agricultural economics and further the application of the results of economic investigation of agricultural processes and agricultural organisation in the improvement of economic and social conditions relating to agricultural and rural life.

Founder Pres. L. K. ELMHIRST; Pres. Prof. NILS WESTERMARCK (Finland); Vice-Pres. Prof. EDGAR THOMAS; Hon. Sec. J. R. CURRIE (also Area Sec., Europe); Area Sec. (India and Far East) Prof. D. G. KARVE; Gen. Sec. and Treas. J. ACKERMAN (U.S.A.). Publs. *Proceedings of Conferences, International Journal of Agrarian Affairs*.

International Dairy Federation (*Fédération internationale de laiterie*), 10 rue Ortélius, Brussels 4, Belgium; f. 1903 to link all dairy associations in order to encourage the solution of scientific, technical and economic problems affecting the dairy industry. Mems.: national committees in 29 countries.

Pres. W. LJUNG (Sweden); Sec.-Gen. P. F. J. STAAL (Netherlands).

International Federation of Agricultural Producers, Room 401, Barr Bldg., 910-17th Street, N.W., Washington D.C., U.S.A.; and 1 rue d'Hauteville, Paris 10e, France; f. 1946. Objects: To represent, in the international field, the interests of agricultural producers, by laying the co-ordinated views of the national member organisations before any appropriate international body; to exchange information and ideas and help develop understanding of world problems and their effects upon production, processing, and marketing of agricultural products. Farmers' organisations of 33 countries are represented in the Federation.

Pres. HERSCHEL D. NEWSOM; Sec.-Gen. ROGER SAVARY (France).

International Office of Epizootic Diseases (*Office international des epizootics*), 12 rue de Prony, Paris 17e; f. 1924. Objects: To co-ordinate international research on infectious diseases in animals, to collect and bring to the knowledge of member governments facts and documents on the subject, and to study international agreements and suggest means of putting them into effect; the Committee consists of one permanent delegate from each of the 61 member countries.

Dir. RENÉ VITTOZ (France). Publs. *Bulletin, Statistiques.*

International Seed Testing Association (*Association Internationale d'essais de semences*), FCAP Seed Laboratory, Building 049, Plant Industry Station, Beltsville, Md., U.S.A.; f. 1924. Aims: to promote uniformity in the testing and judgment of seeds, through research and by organising triennial congresses and periodical training courses. Mems.: 41 countries.

Pres. Dr. O. L. JUSTICE (U.S.A.); Hon. Sec.-Treas. Dr. A. F. SCHOOREL (Binnenhaven 1, Wageningen, Netherlands). Publs. *Proceedings of the International Seed Testing Association, I.S.T.A. News Bulletin* (quarterly).

International Society of Soil Science (*Association internationale de la science du sol*), c/o Royal Tropical Institute, 63 Mauritskade, Amsterdam, Netherlands; f. 1924 to study and promote soil science. Mems.: individuals and associations engaged in the study of soil science.

Pres. Dr. E. G. HALLSWORTH (Australia); Sec.-Gen. Prof. Dr. F. A. VAN BAREN. Publ. *Bulletin* (twice a year).

International Standing Committee on Physiology and Pathology of Animal Reproduction and of Artificial Insemination (*Comité permanent international de physiologie et pathologie de la reproduction animale et la fécondation artificielle*), Via Monte Ortigara 35, Milan, Italy; f. 1948; an international standing committee was appointed after the first congress in Milan in 1948; the Fifth International Congress is to be held at Trento, Italy, September 1964.

Pres. Dr. THEUNISSEN STEGENGA (Netherlands); Sec.-Gen. for the Vth Congress Prof. T. BONADONNA (Italy).

International Union of Forestry Research Organisations (*Union internationale des instituts de recherches forestières*), Forstliche Forschungsanstalt, Amalienstrasse 52/11, Munich 13, Germany; f. 1891; reorganised 1929 and 1948. Object: International co-operation in the various branches of forest research and forest sciences. Membership: 152 member organisations in 53 countries, including forestry experimental stations, research institutes, etc.

Pres. Prof. Dr. J. SPEER (Germany); Publ. *Annual Report*, and Congress Proceedings, scientific papers.

International Veterinary Federation of Zootechnics (*Fédération internationale vétérinaire de zootechnie*), c/o Sociedad Veterinaria de Zootecnía, Isabel la Católica 12, Madrid, Spain. Membership: Veterinary specialists from 30 countries.

Pres. of Exec. Cttee. Prof. A. DE VUYST (Belgium); Sec.-Gen. Prof. Dr. CARLOS LUIS DE CUENCA (Spain). Publ. *Zootechnia* (quarterly).

ARTS

Congress for Cultural Freedom (*Congrès pour la liberté de la culture*), 104 Boulevard Haussmann, Paris 8e, France; f. 1950 for the defence of intellectual liberties against all encroachments on the creative and critical spirit of man; international, non-governmental, financed by grants from educational and cultural foundations and from individuals. National Committees in 18 countries; regional offices in Latin America (Santiago de Chile) and Asia (New Delhi). In co-operation with educational bodies, conferences are held dealing with aspects of the subject of tradition and change.

Chair. DENIS DE ROUGEMONT (Switzerland); Gen. Sec. NICOLAS NABOKOV (U.S.A.). Publs. reviews: *Preuves* (monthly in France), *Encounter* (monthly in England), *Forum* (monthly in Austria), *Cuadernos* (Spanish, bi-monthly in France), *Quest* (quarterly in Australia), *Soviet Survey* (quarterly in England), *Kulturkontakt* (bi-monthly in Sweden), *Science and Freedom Bulletin* (several times a year in England), *Tempo Presente* (monthly in Italy), *Der Monat* (monthly in Germany), *Perspektiv* (monthly in Denmark), *Examen* (bi-monthly in Mexico), *Cadernos Brasileiros* (quarterly in Brazil).

European Community of Writers (*Communauté Européenne des Ecrivains*), Via dei Sansovino 6, Rome, Italy; f. 1960 to promote closer collaboration between European authors in professional, moral and practical problems. Mems.: 1,240 individuals from 26 European countries.

Pres. GIUSEPPE UNGARETTI; Sec.-Gen. GIANCARLO VIGORELLI. Publ. *Bollettino* (quarterly).

European Cultural Foundation (*Fondation Européenne de la Culture*), Singel 542, Amsterdam; f. 1954; to develop and maintain among European populations a feeling of mutual understanding by the encouragement of cultural and educational activities; the Foundation awards prizes and bursaries.

Pres. H.R.H. Prince BERNHARD of the Netherlands; Dir. G. SLUIZER. Publ. *Caractère et Culture de l'Europe.*

European Society of Culture (*Société Européenne de Culture*), Piazza San Marco 52, Venice, Italy; f. 1950 to unite artists, poets, scientists, philosophers and others through mutual interests and friendship in order to safeguard and improve the conditions required for creative activity. Mems.: 1,600. Library of 12,000 volumes.

Pres. GIUSEPPE UNGARETTI (Italy); Vice Pres. ANTONY BABEL (Switzerland), STANISLAO CESCHI (Italy), ALFRED MARCHIONINI (West Germany), FRANÇOIS MAURIAC (France), LEWIS MUMFORD (U.S.A.), BORIS POLEVOÏ (U.S.S.R.), ARNOLD TOYNBEE (U.K.); Sec.-Gen. UMBERTO CAMPAGNOLO (Italy). Publ. *Comprendre* (2 a year).

International Amateur Theatre Association, c/o British Drama League, 9 Fitzroy Square, London, W.1; f. 1952; members in 31 states; composed of national federation and other groups.

Pres. PIET CLEVERINGA (Netherlands); Sec. WALTER LUCAS (U.K.).

International Association of Art Critics (*Association Internationale des Critiques d'Art*), Palais du Louvre, Pavillon de Marsan, 107 rue de Rivoli, Paris, 1er; f. 1948 to promote international co-operation in the world of plastic arts (painting, sculpture, graphic arts, architecture); admitted to the consultative statutes of UNESCO in 1951; 700 full mems. and 42 National Sections.

Pres. GIULIO CARLO ARGAN (Italy); Sec.-Gen. p.i. TONY SPITERIS (Greece); Treas. ROBERT L. DELEVOY (Belgium). Publs. Reports of General Assemblies, *Archivi del Futurismo, Bulletin for the Archives of Contemporary Art.*

International Association of Plastic Arts (*Association internationale des arts plastiques*), UNESCO House, 6 rue Franklin, Paris 16e, France; f. 1954; over 50 national committees.

Sec.-Gen. BERTO LARDERA (Italy).

International Centre for the Study of the Preservation and Restoration of Cultural Property, 256 Via Cavour, Rome; f. 1957; assembles documentation of the efforts already made throughout the world to co-ordinate research and proffer advice; stimulates the training of specialists; by means of funds voted by UNESCO and by the 34 supporting Countries a programme of work, documentation, publications and travel, is being realised.

Dir. Dr. H. J. PLENDERLEITH; Dep. Dir. Prof. PAUL PHILIPPOT.

International Centre of Films for Children (*Centre International du Film pour la jeunesse*): 241 rue Royale, Brussels 3, Belgium; f. 1957; a clearing house of information about entertainment films (cinema and television) for children all over the world; 19 full mems., 16 founder assoc. mems. and affiliated assoc. mems.;

Chair. ELSA BRITA MARCUSSEN (Norway); Sec.-Gen. JOSEPH TOUSSAINT (Belgium). Publs. *Bulletin* (quarterly), *News* (*Nouvelles*).

International Committee of Film Education and Culture (*Comité international du cinéma d'enseignement et de la culture*), 18 rue Marboeuf, Paris 8e, France; f. 1930 to promote the creation and release of educational, cultural and documentary films and other films of educational value in order to contribute to closer understanding between peoples; awards medals and prizes for films of exceptional merit. Mems.: national committees in Belgium, Brazil, France, Germany, Italy, Monaco, Portugal, Spain, Uruguay.

Pres. ARMAND TOUCHE; Sec.-Gen. NICOLAS PILLAT (France). Publ. *Le cinéma d'enseignement et culturel.*

International Comparative Literature Association (*Association internationale de littérature comparée*), Institut de littératures modernes comparées, 17 rue de la Sorbonne, Paris 5e, France; f. 1954 to work for the development of the comparative study of literature in modern languages. Member societies and individuals in 19 countries. Mems. in Europe, 180.

Pres. W. A. P. SMIT (Netherlands), RENÉ WELLCK (U.S.A.); Secs.-Gen. Prof. A. M. ROUSSEAU (France), 12 *bis*, avenue Paul-Cézanne, Aix-en-Provence, France, and H. BLOCK (U.S.A.), 209 Argyle Road, Brooklyn, N.Y., U.S.A.

International Council of Museums (ICOM), Maison de l'UNESCO, 6 rue Franklin, Paris 16e, France; f. 1946. A professional organisation, open to all members of the museum profession, set up to provide an appropriate organisation to further international co-operation among museums, and to be the co-ordinating and representative international body furthering museum interests. In each of the sixty-three countries belonging to ICOM a National Committee on International Co-operation among Museums has been organised, each as widely representative as possible of museum interests. The chairmen of these national committees form the

Advisory Board of ICOM. There are twenty-seven international committees on specialised subjects.

Pres. Sir PHILIP HENDY, Dir. The National Gallery, London; Vice-Pres. Sir TRENCHARD COX (United Kingdom), J. J. RORIMER (U.S.A.), A. I. ZAMOSKINE (U.S.S.R.); Treas. M. DAUMAS (France); Chair. Advisory Board A. F. E. VAN SCHENDEL (Netherlands); Dir. GEORGES-HENRI RIVIÈRE. Publ. *ICOM News* (every two months).

International Federation for Theatre Research (*Fédération internationale pour la recherche théâtrale*), 22 Buckingham Gate, London, S.W.1, England; f. 1955 by 21 countries at the International Conference on Theatre History, London. Next Meeting, Weimar, 1966.

Chair. F. W. VAN THIENEN; Joint Secs.-Gen. Mlle. ROSE-MARIE MOUDOUÈS (France), IFAN KYRLE FLETCHER (U.K.).

International Film and Television Council (*Conseil International du Cinéma et de la Télévision*): Via Santa Susanna 17, Rome (Headquarters), 26 Avenue de Ségur, Paris (Secretariat); f. 1958; seeks to provide a link of information and joint action between member-organisations, and to assist them in the international work they do in films and television. Mems. about 45 international associations and federations.

Pres. JOHN MADDISON (U.K.); Hon. Sec. MARIO VERDONE (Italy); Treas. M. JEAN JAY (France). Publs. *Écrans du Monde* (half-yearly in French and English), *Calendrier des événements internationaux du cinéma et de la télévision* (annually in French and English).

International Institute for the Conservation of Historic and Artistic Works (*Institut International pour la Conservation des Objets d'Art et d'Histoire*), c/o The National Gallery, Trafalgar Square, London, W.C.2; f. 1950. Aims: to provide a permanent organisation for co-ordinating and improving the knowledge, methods and working standards needed to protect and preserve precious materials of all kinds. Gives information in research into all processes connected with conservation, both scientific and technical, and on the development of those processes. Mems.: 1,100 individual, 150 institutional members.

Pres. H. PLENDERLEITH; Sec.-Gen. N. REID; Treas. A. E. WERNER. Publs. *Studies in Conservation* (quarterly), *Abstracts of the Technical Literature on Archaeology and the Fine Arts* (twice a year), *IIC News* (twice a year).

International Literary and Artistic Association (*Association littéraire et artistique internationale*), 117 Blvd. Saint Germain, Paris, France; f. 1878 at Congress of Paris, presided over by Victor Hugo. Objects: The protection of the rights and interests of writers and artists of all lands; extension of copyright conventions, etc. The Association has national groups in Belgium, Denmark, the German Federal Republic, Greece, Italy, Monaco, the Netherlands, Norway, Portugal, Sweden and Switzerland and members in Brazil, Great Britain, Luxembourg, Turkey, Japan, Argentina, New Zealand, U.S.A. and Uruguay.

Pres. MARCEL BOUTET; Perm. Sec. JEAN VILBOIS, 133 Avenue de Suffren, Paris 7e, France.

International Theatre Institute (*Institut international du théâtre*), UNESCO Annex, 6 rue Franklin, Paris 16e, France; f. 1948 to facilitate cultural exchanges and international understanding in the domain of the theatre; study fellowships, conferences, publications, arrangement of tours, etc. Mems.: 47 member nations, each with an ITI centre; regional centre established 1959 in Santiago, Chile, known as the Latin-American Theatre Institute.

Pres. ROSAMOND GILDER (U.S.A.); Sec.-Gen. JEAN DARCANTE (France). Publs. *World Premières* (*Creations Mondiales*) bi-monthly; *World Theatre* (*Le Théâtre dans le Monde*) quarterly.

International Union of Amateur Cinema (*Union internationale du cinéma d'amateurs*), 50 Blvd. Frere-Orban, Liège, Belgium; f. 1937 to encourage development of art, techniques and critical judgment among amateurs, to facilitate contacts between national associations and to promote the exchange of films. Mems.: national federations in 25 countries.

Pres. WILHELM HERRMANN (Germany); Sec.-Gen. J. H. FAUCONNIER (Belgium).

International Union of Architects (*Union internationale des architectes*), 15 quai Malaquais, Paris 6, France; f. 1948. Members in 60 countries.

Pres. Sir ROBERT MATTHEW (U.K.); Gen. Sec. PIERRE VAGO. Publ. *Bulletin d'information* (6 a year).

P.E.N., International (*A World Association of Writers*), 62-63 Glebe Place, London, S.W.3; f. 1921; by Mrs. Dawson-Scott under the presidency of John Galsworthy to promote co-operation between writers all over the world in the interests of literature, freedom of expression and international goodwill. Over seventy-five autonomous centres throughout the world, with total membership about 8,000.

International Pres. ARTHUR MILLER (U.S.A.); Gen. Sec. DAVID CARVER. Publs. *P.E.N. News* (London Centre), *New Poems* (biennial), *Bulletin of Selected Books* (in English and French, with the assistance of UNESCO), various regional bulletins, etc.

World Academy of Art and Science, *see under* International—Science.

BIBLIOGRAPHY

Belgian International Exchange Service (*Service belge des échanges internationaux*), 5 rue de la Régence, Brussels; was originally organised in 1871 by the Department of Sciences and Arts as the Royal Exchange Commission (*Commission Royale des Échanges Internationaux*). Object: To maintain the regular exchange of documents and to serve as an intermediary between scientific societies, etc., in accordance with the Brussels Conventions of March 15th, 1886, and bilateral agreements.

Dir. J. DARGENT.

Centre International de Documentation Concernant les Expressions Plastiques (CIDEP), Fondation Singer-Polignac; f. 1963; collection of books, drawings, films and slides relating to the psychopathology of expression in the plastic arts.

Dir. Dr. C. WIART, Clinique de la Faculté, 1 Rue Cabanis, Paris 14e, France.

European Translations Centre (ETC), Doelenstraat 101, Delft, The Netherlands; f. 1960; an international clearinghouse for translations made by industries and scientific institutes in the field of science and technology; it deals mainly with translations from Slav, Chinese and Japanese languages into a Western language; it maintains a pool of translations and gives information on translations available elsewhere; it announces new translations in the fortnightly journal

Technical Translations published by the Clearinghouse for Federal Scientific and Technical Information, Springfield, Va., U.S.A.; total number of translations available = 65,000; catalogues refer to 500,000 translations.

Pres. H. L. Tveteras (Norway); Vice-Pres. J. Garrido (France); Sec.-Gen. Dr. L. J. van der Wolk (The Netherlands); Dir. of Centre G. A. Hamel.

International Association for the Development of Libraries in Africa, B.P. 166, Saint-Louis, Senegal.

Sec. Emmanuel N. Dadzie.

International Association for Mass Communication Research (*Association internationale des études et recherches sur l'information*), c/o Instituut voor Perswetenschap, 604 Keizersgracht, Amsterdam C, Netherlands; f. 1957 to disseminate information on teaching and research in mass media, to establish a documentation and research service, to promote contacts between national organisations, and to encourage the improvement of training for journalism. Member organisations and individuals in 30 countries.

Pres. Raymond B. Nixon (U.S.A.); Sec.-Gen. Maarten Rooy (Netherlands).

International Association of Agricultural Librarians and Documentalists (*Association Internationale des Bibliothécaires et Documentalistes Agricoles*), Library, Agricultural University, 1A Gen. Foulkesweg, Wageningen, Netherlands; f. 1955. Objects: to promote, internationally and nationally, agricultural library science and documentation, as well as the professional interests of agricultural librarians and documentalists. The Association has 500 members, representing 60 countries, and is affiliated to the International Federation of Library Associations and to the Fédération Internationale de Documentation.

Pres. F. E. Mohrhardt (U.S.A.); Vice-Pres. Dr. S. Von Frauendorfer (Austria); Vice-Pres. D. Kervégant (France); Sec. T. P. Loosjes (a.i.) (Netherlands); Treas. F. Hirst (a.i.) (U.K.). Publs. *Quarterly Bulletin, World Agricultural Economics Abstracts,* and *Rural Sociology, World Directory of Agricultural Libraries and Documentation Centres, Current Agricultural Serials* (2 vols.).

International Association of Documentalists and Information Officers—IAD, 22 rue de Grenelle, Paris 7e, France; f. 1962 to serve the professional interests of documentalists and to work on the problems of documentation at an international level; mems. approx. 700.

Gen.-Sec. Dr. Jacques Samain. Publs. *Bulletin* (quarterly), *Monthly News* (mems. only), Documentation accelerated training.

International Association of Music Libraries (*Association internationale des bibliothèques musicales*), 16 Ständeplatz, Kassel, Germany; f. 1953 to facilitate co-operation between music libraries, compile music bibliographies, and to promote the professional training of music librarians. Mems.: national associations and individuals in 39 countries.

Pres. Vladimir Féderov (France); Sec.-Gen. Dr. Harald Heckmann (Germany). Publ. *Fontes artis musicae* (every four months).

International Association of Technical University Libraries (*Association internationale des bibliothèques d'universités polytechniques*), c/o Library of the Imperial College of Science and Technology, London, S.W.7, England; f. 1955 to promote co-operation between member libraries and conduct research on library problems. Mems.: 81 technical university libraries in 25 countries.

Pres. Dr. L. J. Van der Wolk (Netherlands); Sec. Clifford Currie (U.K.). Publ. *Newsletter*.

International Audio-Visual Technical Centre (*Centre Technique Audio-Visuel International*), Frankrijklei 128A, Antwerp 1; f. 1962 to promote audio-visual media, at the service of educational, cultural, economical, professional and social activities.

International Pres. Ir. C. van Rooy (Belgium); Sec.-Gen. Ir. A. J. Salesse-Lavergne (France); Treas. Ir. E. A. Ball (Belgium).

International Bureau of Fiscal Documentation, Muiderpoort Building, Sarphatistraat 124, Amsterdam, Netherlands; an independent organisation, f. 1938 to supply information on fiscal law and its application; specialised library on international taxation.

Pres. Prof. Dr. H. J. Hellema; Managing Dir. J. van Hoorn, Jr. Publs. *Bulletin for International Fiscal Documentation* (monthly), in English, French and German, *European Taxation,* fortnightly review of European tax law and problems (in English).

International Centre for African Economic and Social Documentation (*Centre Internationale de Documentation Economique et Sociale Africaine—CIDESA*), 42 rue du Commerce, Brussels 4, Belgium; f. 1961; to establish international co-ordination of economic and social documentation concerning Africa and to facilitate research; 92 member institutions from 38 countries.

Pres. Dr. G. Jantzen; Vice-Pres. J. Meyriat; Sec.-Gen. J. B. Cuyvers. Publs., Bibliographical Index-cards, Bulletin of information on current research on human sciences concerning Africa.

International Committee for Social Sciences Documentation (*Comité international pour la documentation des sciences sociales*), 27 rue Saint-Guillaume, Paris 7e, France; f. 1950 to collect and disseminate information on documentation services in social sciences, help improve documentation, advise societies on problems of documentation and to draw up rules likely to improve the presentation of all documents. Members from international associations specialising in social sciences or in documentation, and from other specialised fields.

Pres. Henry J. Dubester (U.S.A.); Sec.-Gen. Jean Meyriat (France). Publ. *International Political Science Abstracts* (quarterly), *International Social Science Bibliographies* (annual, four series), and occasional bibliographies, directories and reports.

International Council on Archives (*Conseil international des archives*), 2 Place de Fontenoy, Paris 7e, France; f. 1948. Mems. 260 from 74 countries.

Pres. Etienne Sabbe (Belgium); Gen. Sec. Robert H. Bahmer (U.S.A.), Gustave Vaucher (Switzerland).

International Federation for Documentation (*Fédération internationale de documentation*), 7 Hofweg, The Hague, Netherlands; f. 1895 to bring together at the international level and to co-ordinate the activities of organisations and individuals concerned with documentation; 39 National mems., 8 International mems., 3 Special mems., 158 Assoc. mems. in 43 countries. Study Cttees.: Universal Decimal Classification; classification research; theoretical basis of information; technical information services for industry; linguistic problems; mechanised storage and retrieval; training of documentalists.

Gen. Sec. W. van der Brugghen (acting). Publs. *FID News Bulletin* (monthly), *Universal Decimal Classification* (in 14 languages), *Index Bibliographicus, Directory of Photocopying and Microcopying Services, Library and Documentation Journals, Bibliography of Standards on Documentation, FID Yearbook, Studies on Classification, Bibliography of Directories of Sources of Information, Modern Documentation and Information Practices, Handbuch der Klassifikation, Handbuch der Repro-*

graphie, Guide to the UDC, Abstracting services, Annual reports, Extensions and Corrections to the UDC (semi-annual), *National Technical Information Services, Manuel pratique de reproduction documentaire et de sélection.*

International Federation of Film Archives (*Fédération internationale des archives du films*), 38 Avenue des Ternes, Paris 17e, France; f. 1938 to facilitate co-operation between cinema archives and museums, and to preserve works of cinematographic value; maintains an international film and documentation library, print and circulation pool; conducts technical and historical research. Members in 39 countries.

Pres. JERZY TOEPLITZ (Poland); Sec.-Gen. VLADIMIR POGAOCIC (Yugoslavia).

International Federation of Library Associations (*Fédération internationale des associations de bibliothécaires*), c/o British Museum, London, W.C.1, England; f. 1928. Object: To promote international library co-operation. Mems.: 90 associations, representing 52 countries and 4 international associations.

Pres. Sir FRANK FRANCIS; Sec. A. THOMPSON; Treas. Dr. P. BOURGEOIS, United Nations Library, Geneva. Publs. *Actes du conseil de la FIAB, IFLA News* (in English, French and Russian), *Répertoire des associations membres, Libraries in the World*, etc.

ECONOMICS, POLITICAL SCIENCE AND SOCIOLOGY

International Labour Organisation (ILO), Geneva, Switzerland; f. 1919, became Specialised Agency of UN in 1946; aims to build a code of international labour law and practice, is concerned with the safety, health and social security of workers and provides technical experts where needed by member countries; sets out to improve labour conditions and raise living standards in all countries. Mems.: 110 countries.

Dir.-Gen. DAVID A. MORSE (U.S.A.); Deputy Dir.-Gen. JEF RENS (Belgium). Publs. *International Labour Review* (monthly), *ILO News* (quarterly), *Yearbook of Labour Statistics*, studies and reports.

Three organisations set up by ILO are referred to below: the International Institute for Labour Studies, the International Vocational Training Information and Research Centre (CIRF) and the ILO Centre for Advanced Technical and Vocational Training.

Econometric Society, Box 1264 Yale Station, New Haven, Conn.; f. 1930 to promote studies that aim at a unification of the theoretical-quantitative and the empirical-quantitative approach to economic problems; 2,300 mems.

Sec. RICHARD RUGGLES (U.S.A.); Treas. Mrs. NANCY RUGGLES. Publ. *Econometrica* (quarterly).

European Centre for Population Studies (*Centre européen d'études de population*), 23 avenue Franklin D. Roosevelt, Paris 8e, France; f. 1953 to conduct research and provide information on European population problems. Mems.: representatives from Austria, Belgium, Denmark, Finland, France, Federal German Republic, Great Britain, Italy, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Yugoslavia.

Pres. Dr. PHILIP J. IDENBURG (Netherlands); Sec.-Gen. and Treas. ROGER PELTIER (France).

Hansard Society for Parliamentary Government, 162 Buckingham Palace Road, London, S.W.1; f. 1944, present title adopted 1956. Aims to promote parliamentary government in all parts of the world; maintains a library and information service, conducts research work, and educational work in schools, publishes books on parliamentary institutions. Mems. in 62 countries.

Chair. Sir EDWARD FELLOWES (Great Britain); Dir. EDWARD MACALESTER (U.S.A.). Publ. *Parliamentary Affairs* (quarterly).

ILO Centre for Advanced Technical and Vocational Training, Turin; Dir. PAUL BACON.

Institute of Pacific Relations, University of British Columbia, Vancouver, Canada; f. 1925 to conduct non-governmental research and discussion on political, social and economic problems of Asian and Pacific countries.

Sec.-Gen. and Editor WILLIAM L. HOLLAND; Publs. *Pacific Affairs* (quarterly; circ. 3,500); numerous political and economic volumes.

International Academy of Political Science and Constitutional History (*Académie Internationale de science politique et d'histoire constitutionelle*), Sorbonne, Paris; f. 1936; scientific studies of constitutional and parliamentary history; full and associate members (total 100) from 39 countries.

Pres. L. JULLIOT DE LA MORANDIÈRE (France); Sec.-Gen. Prof. G. S. LANGROD (France), 88 Boulevard Pereire, Paris 17e. Publs. *Revue d'Histoire Politique et Constitutionnelle* (1937-40), *Revue Internationale d'Histoire Politique et Constitutionnelle* (1951-1959), *Politique* (Revue internationale des Doctrines et des Institutions).

International African Institute (IAI) (*Institut international africain*), St. Dunstan's Chambers, 10-11 Fetter Lane, Fleet Street, London, E.C.4; f. 1926; information centre on African ethnology, linguistics and social studies; conducts research programmes and stimulates production of literature in African languages. Mems.: individuals in 78 countries.

Chair. Gouveneur A. MOELLER DE LADDERSOUS (Belgium); Admin. Dir. Prof. DARYLL FORDE (U.K.). Publs. *Africa, African Abstracts* (quarterly) and numerous monographs.

International Association for Social Progress (IASP) (*Association internationale pour le progrès social*), 47 rue Louvrex, Liège, Belgium; f. 1924; conducts research on social questions and stimulates public opinion in favour of social reforms. Mems.: national associations in 12 countries.

Pres. N. P. SCHLEIMER (Luxembourg); Sec.-Gen. MODESTE HEUSEUX (Belgium). Publ. *Bulletin d'information* (periodical).

International Association of Schools of Social Work, 345 East 46th Street, New York 17, N.Y.; f. 1929 to provide international leadership and encourage high standards in social work education. Mems.: 291 schools of social work in 42 countries and 12 associations of schools in 11 countries; 6 associate members in 6 countries.

Pres. Dr. EILEEN L. YOUNGHUSBAND (United Kingdom); Sec. Dr. KATHERINE A. KENDALL (U.S.A.). Publs. *International Social Work* (quarterly), *Directory of Members and Proceedings of Congresses* (every two years).

International Commission for a History of the Scientific and Cultural Development of Mankind (*Commission internationale pour une histoire du développement scientifique et culturel de l'humanité*), UNESCO House, Place de Fontenoy, Paris 7e; f. 1951; aims to compile

and publish a history of the scientific and cultural development of mankind, in accordance with the decisions of the UNESCO General Conference. Mems.: 27 from 22 countries, 108 corresponding members from 45 countries.

Pres. PAULO E. DE BERRÊDO CARNEIRO (Brazil); Sec.-Gen. GUY S. MÉTRAUX (Switzerland). Publs. *Journal of World History* (quarterly) in English, French, Spanish; *History of Mankind: Cultural and Scientific Development* (London and New York 1963-), 6 vols.

International Commission for the History of Representative and Parliamentary Institutions (*Commission internationale pour l'histoire des assemblées d'états*), 83 Cholmley Gardens, Fortune Green Road, London, N.W.6; f. 1936; to encourage research on the origin and history of representative and parliamentary institutions. Mems.: individuals in 26 countries.

Pres. E. LOUSSE (Belgium); Sec. H. KOENIGSBERGER (U.K.). Publ. *Reports.*

International Conference of Social Work, 345 East 46th Street, New York 17, N.Y.; f. 1928 to provide an international forum for the discussion of social work, social welfare and related issues. Mems.: 42 countries.

Pres. LESTER B. GRANGER (U.S.A.); Sec.-Gen. JOE R. HOFFER (U.S.A.). Publs. *National Committee Bulletin* (quarterly), *International Social Work* (quarterly).

International Council for Research in the Sociology of Co-operation (*Conseil international pour la recherche en sociologie de la co-opération*), 18 avenue Hoche, Paris 8e, France; f. 1953 to promote research on the sociology of co-operation, establish contacts between research specialists in the different countries and encourage the publication of results of research; affiliated centres in four countries carry out research; plan development of libraries and documentation centres, and projects for regional development. Mems.: national research centres and individuals in 10 countries.

Pres. HENDRIK F. INFIELD (U.S.A.).

International Economic Association (*Association internationale des sciences économiques*), 92 rue d'Assas, Paris 6e, France; f. 1949 to promote international collaboration for the advancement of economic knowledge and develop personal contacts between economists, and to encourage provision of means for the dissemination of economic knowledge. Member associations in 39 countries.

Pres. G. U. PAPI (Italy); Treas. F. NEUMARK (Germany); Sec.-Gen. L. FAUVEL (France).

International Federation of Business and Professional Women (*Fédération Internationale des Femmes de carrières Libérales et Commerciales*), H.Q.: Beaux-Arts Hotel, 307 East 44th Street, New York 17, U.S.A.; f. 1930. Objects: to promote the interests of business and professional women, including the use of the specialised knowledge and economic and technical skill of business and professional women in the promotion and support of the programmes and activities of world government organisations; about 300,000 mems.

Pres. Lady LITTLEWOOD (U.K.); 1st Vice-Pres. Mrs. PAULA VAN GORP (Belg.); 2nd Vice-Pres. Miss DAGNY PETERS (Finland); Hon. Sec. Miss MARGARET MCIRVINE (Canada); Hon. Treas. Mrs. ELEANOR GODFREY (S. Africa). Publ. *Widening Horizons* (six a year).

International Fiscal Association, c/o Nationale Trust Maatschappy N.V., Breitnerstraat 3, Amsterdam-Z, Netherlands; f. 1938 to study international and comparative public finance and fiscal law, especially taxation. Members in 50 countries and national branches in 20 of these.

Sec.-Gen. Dr. K. H. DRONKERS (Netherlands).

International Institute for Labour Studies, c/o International Labour Office, 154 route de Lausanne, 1211 Geneva 22; f. 1960 to further a better understanding of labour problems in all countries, and of the methods of their solution. Seminars and study courses for persons drawn from management, trade unions, governments, universities and the professions, who have already acquired some experience with labour problems; research; discussions among persons with experience; disseminating information.

Dir. R. W. COX.

International Institute for Ligurian Studies (*Institut international d'études ligures*), Museo Bicknell, 17*bis* Via Romana, Bordighera, Italy; f. 1947 to conduct research on ancient monuments and regional traditions in the north-west arc of the Mediterranean. Library of 35,000 vols. Members in France, Italy, Spain, Switzerland.

Pres. LOUIS NOTARI (Monaco); Dir. NINO LAMBOGLIA (Italy).

International Institute for Sociology (*Institut international de sociologie*), Trejo 241, Cordoba, Argentina; f. 1893. Aims: to enable sociologists to meet and study sociological questions. Mems.: 500 representing 53 countries.

Pres. A. POVINA (Argentina); Gen. Sec. M. DAVID Argentina). Publ. *Revue de l'Institut International de Sociologie.*

International Institute of Administrative Sciences (*Institut international des sciences administratives*), 25 rue de la Charité, Brussels 4, Belgium; f. 1930; Objects: comparative examination of administrative experience in the various countries; research and programmes for improving administrative law and practices and for technical assistance. Mems.: 39 mem. states, 35 National Sections, corporate and individual members; library 4,000 vols.; consultative status with UN and UNESCO.

Pres. HERBERT EMMERICH (U.S.A.); Dir.-Gen. P. A. SCHILLINGS (Belgium); Hon. Sec.-Gen. and Treas. EDMOND LESOIR (Belgium). Publs. *International Review of Administrative Sciences* (quarterly), reports, bibliographies.

International Institute of Differing Civilisations (*Institut International des Civilisations Différentes*), 11 Boulevard de Waterloo, Brussels 1, Belgium; f. 1894; to study and diffuse information on problems created by contacts between peoples of differing civilisations and by the evolution of the new countries, from a political, economical, social, legal and cultural point of view, International study sessions every two years; comparative studies on problems relative to the evolution of the new countries. Mems. in 41 countries.

Pres. S. E. M. GASPARE AMBROSINI (Italy); Vice-Pres. Dr. WOLFGANG POHLE (German Federal Republic), M. MOELLER DE LADDERSOUS (Belgium); Sec.-Gen. Comte PIERRE DE BRIEY (Belgium). Publs. *Reports of Study Sessions, Civilisations* (quarterly).

International Institute of Philosophy—IIP (*Institut international de philosophie—IIP*), 173 bvd. Saint-Germain, Paris 6e, France; f. 1937. Aims: to link philosophers and to establish collaboration between them; to encourage the exchange of professors; to become the world centre for documentation and information. Mems.: 100 in 35 countries.

Pres. GUIDO CALOGERO (Italy); Vice-Pres. ALFRED J. AYER (U.K.) and JEAN WHAL (France); Admin. Sec. HENRY DUMERY (France).

International Numismatic Commission (*Commission internationale de numismatique*), c/o Schweizerisches Landesmuseum, Zürich; f. 1936 to facilitate co-operation between scholars in the sphere of numismatics. Mems.: national organisations in 23 countries.

Pres. C. H. V. SUTHERLAND (U.K.); Sec. DIETRICH SCHWARZ (Switzerland).

International Political Science Association (IPSA) (*Association Internationale de Science Politique*), 27 rue Saint-Guillaume, Paris 7e, France; f. 1949; encourages national associations throughout the world, undertakes research and documentation, holds yearly round-table conferences and triennial congresses. Mems.: national associations in 29 countries, 80 associates, 500 individuals.

Pres. J. FREYMOND (Switzerland); Sec.-Gen. S. HURTIG (France). Publs. *International Political Science Abstracts, International Bibliography of Political Science, IPSA Circular Letter*, books.

International Social Science Council (ISSC) (*Conseil international des sciences sociales—CISS*), Unesco House—Annex, 6 rue Franklin, Paris 16e, France; f. 1952. Aims: the advancement of the social sciences throughout the world and their application to the major problems of the present day. Its major task is to promote research projects of an inter-disciplinary and international nature; mems. from 17 States.

Pres. Prof. S. GROENMAN (Netherlands); Vice-Pres. Dr. P. HERRING (U.S.A.); Treas. Prof. D. FORDE (U.K.); Sec.-Gen. Dr. K. SZCZERBA-LIKIERNIK. Publ. *Information* (quarterly bulletin in English and French).

International Society of Criminology (*Société internationale de criminologie*), 28 avenue de Friedland, Paris 8e, France; f. 1934. Object: To promote the development of the sciences in their application to the criminal phenomenon; 980 mems.

Pres. THORSTEN SELLIN (U.S.A.); Treas. JEAN CHAZAL (France); Gen. Sec. JEAN PINATEL (France).

International Society of Social Defence (*Société internationale de défense sociale*), 28 rue Saint-Guillaume, Paris 7e, France; f. 1945, present title adopted 1949. Aims: to combat crime, to protect society and to prevent citizens from being tempted to commit criminal action. Mems.: Legal experts, doctors and sociologists in 40 countries.

Pres. FILIPPO GRAMATICA (Italy); Sec.-Gen. J. CHAZAL (France); Treas. YVONNE MARX (France). Publ. *Bulletin de la Société internationale de défense sociale* (annually).

International Sociological Association (*Association Internationale de Sociologie*), Case Postale 141, Les Acacias, Geneva, Switzerland; f. 1949; aims to promote sociological research, to develop personal contacts among the sociologists of all countries and to ensure the exchange of sociological information. To attain its aims the ISA has established 12 research committees on Family Sociology, Mass Communication, Political Sociology, Psychiatric Sociology, Sociology of Religions, Sociology of Popular Culture and Leisure, Social Stratification and Mobility, Urban and Rural Sociology, Industrial Sociology, Sociology of Law, Sociology of Medicine, and Sociology of Education; holds triennial World Congresses. Mems. include 40 National and Regional Associations and 27 Institutes representing 55 countries.

Pres. Prof. R. KÖNIG (Germany); Sec.-Gen. Prof. R. GIROD (Switzerland). Publs. *Current Sociology, Sociologie Contemporaine.*

International Union for the Scientific Study of Population (*Union internationale pour l'étude scientifique de la population*), 29 Quay Branly, Paris 7e, France; to advance the progress of quantitative and qualitative demography as a science. Mems.: over 500 scientists in 60 countries.

Pres. A. SAUVY (France); Sec.-Treas. B. BENJAMIN (U.K.); Admin. Dir. M. CROZE (France). Publs. *Le Démographe* (periodical), *Problems in African Demography*, etc.

International Vocational Training Information and Research Centre (CIRF), c/o The International Labour Office (ILO), Geneva, Switzerland; f. 1961; aims to become an international clearing house for information on organisation, methods, programmes and means of vocational training for workers, supervisors and technicians; functions under the General Directorate of the ILO and uses its library.

Head of Centre: SVEN GRABE. Publs. (in French and English) *Training for Progress* (quarterly bulletin), *CIRF Monographs, CIRF Abstracts.*

World Association for Public Opinion Research, c/o Mlle. HÉLÈNE RIFFAULT, 20 rue d'Aumale, Paris 9e, France; f. 1947 to establish and promote contacts between persons in the field of survey research on opinions, attitudes and behaviour of people in the various countries of the world; to further the use of objective, scientific survey research in national and international affairs. Mems.: individuals from 39 countries.

Pres. LEO BOGART (U.S.A.); Sec.-Treas. HÉLÈNE RIFFAULT (France).

World Parliament Association (*Association pour un parlement mondial*), 2 Manchester Square, London, W.1; f. 1951 to abolish war and secure permanent world peace by the creation of a World Parliament and Executive, International Courts of Justice with compulsory jurisdiction and a world police force to enforce world laws. The Association has already obtained from the British, Swiss, Italian and Pakistan Governments a statement of complete support for the Association's policy. Mems.: groups of M.P.s and other individuals in 35 countries.

Pres. The Rt. Hon. CLEMENT DAVIES, Q.C. (U.K.); Hon. Pres. The Rt. Hon. Earl ATTLEE, K.G., D.M., C.H., Lord BOYD ORR, M. EDGAR FAURE; Pres. of Council GILBERT MCALLISTER (Great Britain). Publ. *World* (quarterly).

World Society of Ekistics, c/o Athens Center of Ekistics, 24 Strat, Syndesmou St., Athens 136, Greece; f. 1965; aims to bring together sociologists, architects and town planners to control and plan man's habitation of his environment, particularly in urban areas.

Pres. Lord LLEWELYN-DAVIES; Vice-Pres. Dr. MARGARET MEAD, Prof. BUCKMINSTER FULLER, ROGER GRÉGOIRE.

EDUCATION

Association des Universités Entièrement ou Partiellement de Langue Française (AUPELF), Université de Montréal, B.P. 6128, Montreal 3e, Canada; f. 1961; aims: documentation, co-ordination, co-operation, exchange; 50 mems.

Pres. Mgr. IRÉNÉE LUSSIER; Vice-Pres. MARCEL BOUCHARD, MOHAMMED EL FASI; Sec.-Gen. JEAN-MARC LÉGER. Publs. *La Revue d'Aupelf* (3 a year), *Les Cahiers d'Aupelf* (six months), *Le Bulletin de Nouvelles Brèves* (8 a year).

Association of Commonwealth Universities, Gen. Office: 36 Gordon Square, London, W.C.1; Branch Office for Commonwealth Scholarships and Appointments: Marlborough House, Pall Mall, London, S.W.1; f. 1913. Organises quinquennial Congresses of Commonwealth Universities and smaller meetings in intervening years, acts as a liaison office and general information centre, and provides an advisory service for the filling of university staff teaching vacancies overseas; it also provides the secretariat for the Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom, for the Commonwealth Scholarship Commission in the United Kingdom and for the Marshall Aid Commemoration Commission.

Chair. G. E. HALL, A.F.C., M.S.A., M.D., PH.D., D.SC., LL.D., Vice-Chair. Sir DOUGLAS LOGAN, M.A., D.PHIL., D.C.L., LL.D.; Hon. Treas. Prof. R. O. BUCHANAN, B.SC.(ECON.), M.A., PH.D.; Sec.-Gen. J. F. FOSTER, C.M.G., M.A., LL.D. Publs. *Commonwealth Universities Yearbook, Reports of Proceedings of Congresses of the Universities of the Commonwealth* (quinquennial), *Reports of Proceedings of Conferences of the Home Universities* (annual), *Higher Education in the United Kingdom: A Handbook for Students from Overseas* (biennial; in conjunction with the British Council), *A Compendium of University Entrance Requirements for First Degree Courses in the United Kingdom* (annual), *United Kingdom Postgraduate Awards* (biennial).

Association of European Study Institutes (*Association des instituts d'études européennes*), Centre Européen de la Culture, 122 rue de Lausanne, Geneva, Switzerland; f. 1951 to co-ordinate activities of member institutes in teaching and research, exchange information, provide a centre for documentation. Twenty-seven member institutes in eight countries.

Pres. Dr. H. A. JACOBSEN; Sec.-Gen. DUSAN SIDJANSKI. Publ. *Bulletin intérieur* (bi-monthly).

Association of Southeast Asian Institutions of Higher Learning, f. 1956; to promote the economic, cultural and social welfare of the people of Southeast Asia by means of educational co-operation and research programmes; mems. 29 university institutions.

Pres. H.R.H. Prince WAN WAITHAYAKORN, Rector of Thammasat University, Bangkok; Exec. Sec. Prof. H.H. Prince PREM PURACHATRA, Chulalongkorn University, Bangkok, Thailand.

College of Europe (*Collège d'Europe*), Dyver 11, Bruges, Belgium; f. 1949. Objects: the study and research in the field of the political, economic, social and cultural problems presented by the union of Europe. Admission: candidates must have University diplomas attesting the completion of at least three years of study and success in the corresponding examinations, have a working knowledge of French and English, be under 30 years of age and unmarried. Curriculum: I General European Studies; II Specialisation: (*a*) European legal studies, (*b*) European Economic Studies, (*c*) European studies in Political Sciences; III Optional subjects: History, Sociology, Regional Planning. Number of students limited to 50.

Rector HENRY BRUGMANS (Utrecht); Pres. of the Faculty Council JAN TINBERGEN (Rotterdam), Admin. Dir. L. L. PAKLONS. Publ. *Les Cahiers de Bruges* (new series).

Committee for Higher Education and Research (*Comité de l'Enseignement Supérieur et de la Recherche*), c/o Council of Europe, Strasbourg, France; f. 1960; since 1962, part of the Council for Cultural Co-operation, set up within the Council of Europe by the signatories of the European Cultural Convention, to promote co-operation among European countries in the field of higher education and research, to make recommendations to governments and inter-governmental organisations, to assemble information and undertake appropriate studies. Mems.: heads of universities and senior government officials from the eighteen countries signatories of the European Cultural Convention.

Chair. Dr. S. VALLE (Italy).

Commonwealth Association of University Teachers, f. 1961; federation of associations of university teachers to provide an agency of co-operation and consultation among its members in the Commonwealth.

Chair. and Sec. Prof. J. L. MONTROSE, c/o Queen's University, Belfast; Treas. Prof. J. R. MALLORY (Canada).

Confederation of the Universities of Central America (*Consejo Superior Universitario Centroamericano*), c/o Universidad de Costa Rica, Ciudad Universitaria, Costa Rica, C.A.; f. 1949; to plan the regional integration of higher education in Central America and to maintain the autonomous structure of the member universities. Mems.: University of Guatemala, National University of Nicaragua, University of El Salvador, University of Costa Rica, National University of Honduras.

Pres. Ing. ARTURO QUESADA; Sec.-Gen. Dr. CARLOS TUNNERMANN BERNHEIM. Publs. *Boletin Informativo, Memoria.*

Conference of Internationally-Minded Schools (C.I.S.), links schools and educationalists in an effort to establish through education a better understanding between nations and to bring together for this purpose children and adults of different nationalities, races, social strata and creeds; 150 mems. in 10 countries.

Chair. ELIZABETH MAXWELL, Richmond Lodge School, 85 Malone Road, Belfast 9, N. Ireland; Hon. Sec. GEORGE H. SMITH, Bedales, Near Petersfield, Hants, England.

Council for Cultural Co-operation, Council of Europe, avenue de l'Europe, Strasbourg, France; f. 1962; to draw up and realise the educational, scientific and cultural programme of the Council of Europe; activities include: comparison of university curricula, university expansion and reform, modern language teaching, comparative studies in primary and secondary schooling, teacher training, pupil guidance, civics, audio-visual aids for teaching, development of adult education, training of youth leaders, European youth centres and camps, physical education, European art exhibitions, educational travelling exhibitions, the protection and development of the European cultural heritage, the problem of leisure, teachers' specialist exchanges and university teachers' interchange. An educational documentation centre has been created; 20 mem. states.

Chair. (1965) K. F. von Graevenitz (Federal Republic of Germany); Vice-Chair. A. Dascalakis (Greece). Publs. Series *Education in Europe:* many titles; *Annual Report CCC* 1964; Under CCC auspices: Series *Folklore*, Vol. I: *Folktales*; Translations from the lesser-known European languages; Theses by fellowship-holders; Art volumes and catalogues, miscellaneous catalogues, handbooks, bibliographies. Review *Education and Culture* (three times a year).

Council on Higher Education in the American Republics (CHEAR), f. 1958; programme of conferences, seminars, research studies in various fields; mems.: presidents of U.S. and Latin American universities; financed by Carnegie Corporation and Ford Foundation through the Institution of International Education.

Co-Chair. Marcel Roche (Italy), O. Meredith Wilson (U.S.A.); Sec.-Gen. Kenneth Holland, c/o Institute of International Education, 809 United Nations Plaza, New York, N.Y. 10017, U.S.A.

European Association of Teachers (*Association européenne des enseignants—AEDE*), 4 Rue Brûlée, Strasbourg, France; f. 1956; to develop among teachers an understanding of the problems of European unification and to harmonise contents and methods of teaching; national sections established in the Federal German Republic, Austria, Belgium, Denmark, Luxembourg, Ireland, Italy, Switzerland, France, Greece and Great Britain.

Pres. A. Alers (Belgium); Sec.-Gen. A. Biedermann (France). Publ. *Bulletin.*

European Bureau of Adult Education (*Bureau européen de l'éducation populaire*), Huize "Kranenburgh", Hoflaan 22, Bergen N.H., Netherlands; f. 1953 to encourage co-operation between adult education organisations on questions of methods, materials, and exchange of individuals; arranges study sessions and tours. Members in 16 European countries and associate members in America.

Pres. E. M. Hutchinson (U.K.); Sec. G. H. L. Schouten (Netherlands).

European University; a committee set up by the Six countries of the European Economic Community has recommended that a graduate college with five departments should be set up: mathematics and pure physics, economics, social studies, history and law, and courses of interest to EEC agencies. The University was expected to open in 1962; it is now hoped that it will be inaugurated at Florence some time in 1965.

International Association for the Advancement of Educational Research (*Association internationale des sciences de l'éducation*); f. 1953, present title adopted 1957. Aims: to encourage research in educational sciences by organising congresses, issuing publications, the exchange of information, etc. Member societies and individual members in 33 countries.

Pres. M. J. Langeveld (Germany); Sec.-Gen. W. Schultze (Germany), Schlosstrasse 29, Frankfurt a.M., Germany.

International Association for Educational and Vocational Information (*Association internationale d'information scolaire universitaire et professionnelle*), 29 rue d'Ulm, Paris 5e, France; f. 1956 to facilitate co-operation between national organisations concerned with supplying information to university and college students and primary and secondary pupils and their parents, to compare methods and act as an international documentation centre, and to encourage the establishment of other national organisations. Mems.: national organisations in 23 countries.

Pres. Alfred Rosier (France); Vice-Pres. Dr. Stets (Germany), M. Ratuszniak (Poland), V. Geens (Belgium), I. Martin (Spain); Sec.-Gen. Jacques Thrill (France); Treas. René Bocca (Monaco); Publ. *Informations universitaires et professionnelles internationales* (quarterly), *Organise: Colloque et enquête.*

International Association of Universities, Permanent Secretariat: **International Universities Bureau,** 6 rue Franklin, Paris 16e; formed at the International Conference of Universities, 1950. The main purpose of the Association is to promote international academic co-operation and to provide practical services both to university institutions throughout the world and to bodies concerned with higher education and scientific research. The systematic study of urgent problems of university development is principally undertaken through the Joint UNESCO-IAU Research programme in Higher Education, established in 1960. Organs of the Association are: the General Conference of Universities, meeting at least once every five years; the Administrative Board; the International Universities Bureau, which is the permanent secretariat of the Association. The President of the Association is elected by the General Conference and holds office until the next meeting of the General Conference. The Association maintains an Information Service, a Research Service, and a Documentation Centre and Reference Library. Mems. (June 1965): 458 universities and institutions of university rank in 87 countries.

Pres. Dr. C. K. Zurayk, American University of Beirut; Vice-Pres. Jean Roche, Rector, University of Paris (Sorbonne); Sec.-Gen. of the Association and Dir. of the International Universities Bureau, H. M. R. Keyes. Publs. *International Handbook of Universities, World List of Universities, Other Institutions of Higher Education and University Organisations, Bulletin* (quarterly) and studies and reports.

International Association of University Professors and Lecturers, Rozier 6, Ghent, Belgium; f. 1944; statutes ratified 1947. Object: The development of academic fraternity amongst university teachers and research workers; the protection of independence and freedom of teaching and research; the furtherance of the interests of all university teachers; and the consideration of academic problems. Mems.: 100,000 in 28 countries.

Hon. Sec. Prof. A. Hacquaert. Publ. *Communication.*

International Bureau of Education (*Bureau international d'éducation*), Palais Wilson, Geneva; f. 1925. The purpose of the Bureau is to develop international relations in the field of education; it is a centre for information and research concerning education; it holds annual international conferences on education and has a permanent exhibition of public education in various countries. By its new constitution, adopted in 1929, the members of the Bureau are States or Ministries of Education. On February 28th, 1947, the United Nations Educational, Scientific, and Cultural Organisation and the I.B.E. signed an agreement providing for close co-operation between the two organisations; the library contains 85,000 vols., including 33,000 vols. dealing respectively with education, educational psychology, comparative education and school education, 25,000 vols. of school textbooks from 105 countries, 27,000 vols. of children's books from 52 countries and 700 educational journals from 70 countries.

Dir. J. Piaget, Prof. Geneva Univ.; Asst. Dir. Dr. P. Roselló. Publs. (French and English editions) *Bulletin of the International Bureau of Education* (quarterly), *International Yearbook of Education*, Reports of Inquiries and National Monographs on Education.

International Federation of Catholic Universities (*Fédération Internationale des Universités Catholiques—FIUC*), Secretariat: 77 *bis* rue de Grenelle, Paris 7e, France; f. 1949 to ensure a strong bond of mutual assistance

among all Catholic universities in the search for truth to help to solve problems of growth and development, and to co-operate with other international organisations; 50 mems. in 20 countries.

Pres. Rev. Th. Hesburgh (Pres., Notre-Dame Univ., Notre-Dame, Indiana, U.S.A.); Sec.-Gen. G. Leclercq (Rector, Catholic Univ., Lille). Publs. *Annuarium Catholicarum Universitatum Foederationis, Catholicarum Institutorum de Studiis Superioribus Catalogues, Supplementa Annuari et Catalogi, Documenta, Educational Planning, Monographies.*

International Federation of "Ecole Moderne" Movements (*Fédération internationale des mouvements d'école moderne*), bvd. Vallombrosa, Cannes, France; f. 1957 to bring into contact associations devoted to the improvement of school organisation and to work for the adoption of techniques advocated by C. Freinet; conducts courses for teachers, promotes interschool exchanges of correspondence and magazines. Mems.: associations of teachers in 24 countries.

Pres. Celestin Freinet (France); Sec. Lucienne Balesse (Belgium); Treas. Maurice Perrenoud (Switzerland). Publ. *L'Educateur* (2 per month).

International Federation of Organisations for School Correspondence and Exchange (*Fédération internationale des organisations de correspondance et d'échanges scolaires—FIOCES*), 29 rue d'Ulm, Paris 5e, France; f. 1929. Aims: to contribute to the knowledge of foreign languages and civilisations and to bring together young people of all nations by furthering international scholastic exchanges including: international scholastic correspondence, individual and group visits to foreign countries, individual accommodation with families, placements in international holiday camps, etc. Mems.: comprises 67 national bureaux of scholastic correspondence and exchange in 29 countries.

Pres. Prof. F. Closset (Belgium); Sec.-Gen. J. Damanty (France); Exec. Sec. I. Lajti. Publ. *Bulletin* (bi-annually).

International Federation of University Women (*Fédération internationale des femmes diplômées des universités*), 17a King's Road, Sloane Square, London, S.W.3; f. 1919 by the British Federation of University Women and the American Association of University Women. Object: To promote friendship and understanding between university women irrespective of race, religion or political opinions, and thereby to further their interests and promote sympathy between their countries, by (1) providing international fellowships for research; (2) encouraging the establishment of international club-houses; (3) maintaining consultative status with the appropriate intergovernmental organisations; (4) investigating educational problems; (5) studying problems affecting the economic and professional status of women. Affiliates 51 national associations with 197,000 mems.

Pres. Miss I. F. Hilton, M.Sc., F.L.S. (Gt. Britain); Exec. Sec. Miss S. F. Stallman, M.A. (Gt. Britain). Publs. *The Newsletter* (annual), *The Bulletin* (annual report).

International Federation of Workers' Educational Associations, Temple House, 27 Portman Square, London, W.1; f. 1947 to promote co-operation between national bodies concerned with workers' education, through clearing-house services, exchange of information, publications conferences, summer schools, etc.

Pres. S. A. Stahre (Sweden); Sec. Harry Nutt (U.K.).

International Institute for Educational Planning, 7 rue Eugène Delacroix, Paris 16e, France; f. 1963; an autonomous body financially supported by UNESCO, the World Bank and the Ford Foundation, formed to bring together educators, economists and other development experts to help the nations of Africa, Asia and Latin America to accelerate their economic and social development programmes by integrating educational expansion more effectively with overall development plans; the Institute will carry out research and training at an advanced level.

Chair. of Governing Board Sir Sidney Caine; Dir. Philip H. Coombs.

International League of Child and Adult Education (*Ligue internationale de l'Enseignement, de l'Education et de la Culture Populaire*), 3 rue Récamier, Paris 7e, France; f. 1947; to further the ideal of public education untrammelled by moral, intellectual, racial or political obstacles; mems. 22 states, 5 million individual mems.

Pres. Prof. Sylvain de Coster (Belgium); Sec.-Gen. Albert Jenger (France).

International People's College (*Haute école populaire internationale*), Elsinore, Denmark; f. 1921 to create better international relations by means of education. Spring, winter and vacation courses are held for students of various nationalities; the College is supported by the Danish State, the staff is international; number of students is 60-120.

Principal Vagn H. Fenger, M.Sc.

International Phonetic Association (IPA) (*Association phonétique internationale*), University College, Gower Street, London, W.C.1; f. 1886 to promote the scientific study of phonetics and its applications. Mems.: 550.

Pres. Prof. D. Jones (U.K.); Sec. A. C. Gimson (U.K.). Publs. *Le Maître Phonétique* (twice yearly), *Miscellanea Phonetica* (occasionally).

International Society for Business Education (*Société internationale pour l'enseignement commercial*), En Corjon Le Mont sur Lausanne, Switzerland; f. 1901; to organise international courses and congresses on business education. Mems.: national organisations and individuals in 17 countries.

Pres. Prof. J. P. Pradervand (Switzerland); Dir. Prof. Felix Schmid (Switzerland). Publ. *International Review for Business Education.*

International Society for Education through Art (*Société Internationale pour l'Education Artistique—INSEA*), c/o Douglasstrasse 32, 1 Berlin 33, Federal Republic of Germany; f. 1951 to unite art teachers throughout the world, to exchange information and to co-ordinate research into art education; exhibition of children's art, Prague 1964; next meeting Tokyo 1965.

Hon. Pres. Sir Herbert Read (U.K.); Pres. Dr. J. A. Soika (Federal Republic of Germany). Publ. *Bulletin.*

International Student Conference, P.O. Box 36, Leiden, Netherlands; f. 1952 at the International Student Conference of National Unions of Students to promote co-operation between national unions on student needs, defence of student rights, cultural activities, etc. National unions in 80 countries maintain relations with the Secretariat.

Sec.-Gen. Gwyn Morgan. Publs. *Information Bulletin* (12 times a year; English, French, Spanish), *The Student* (10 times a year; English, French, Spanish, and 4 times a year in Portuguese and Arabic).

International Student Movement of the United Nations (ISMUN) (*Mouvement international des étudiants pour les Nations Unies*), f. 1948 by the World Federation of United Nations Associations, later became independent; mems.: associations in 40 countries.

Sec.-Gen. Frank S. Verhagen, 1 Avenue de la Paix, Geneva, Switzerland.

International Union of Students (*Union internationale des étudiants*), Vocelova 3, Prague 2; f. Aug. 1946 by World Student Congress in Prague. Objects: To defend the rights and interests of students, to strive for peace,

national independence, academic freedom and democratic education and to unite the student movement in furtherance of these objectives. Activities include conferences, meetings, solidarity campaigns, relief projects, award of scholarships, travel and exchange, sports events, cultural projects, publicity and other activities in the furtherance of the Union's aims. Nationally representative student organisations of 76 countries are members.

Pres. ZBYNEK VOKROUHLICKY (Czechoslovakia); Gen. Sec. NOORI ABDEL RAZZAK HUSSEIN (Iraq). Publs. *World Student News* (monthly), in Arabic, English, French, German, Russian, Spanish *I.U.S. News Service*, (fortnightly), in English, French, Spanish and Arabic (monthly), Faculty Bulletins on Cinematography and Sport and various pamphlets on student life and activities.

Montessori International Association (*Association Montessori Internationale*), Koninginneweg 161, Amsterdam, Holland; f. 1929; to propagate the ideals and educational methods of Dr. Maria Montessori and to spread knowledge on child development without racial, religious or political prejudice. Branches and National Associations in Argentina, Austria, Ceylon, Chile, Denmark, England, France, Germany, Holland, India, Ireland, Italy and Sweden.

Pres. Dr. J. EWART SMART; Dir.-Gen. MARIO M. MONTESSORI; Pedagogical Sec. Mrs. R. JOOSTEN, Organising Sec. Mrs. J. N. VAN DER HEIDE. Publs. *Montessori Education and Modern Psychology, Communications* (4 issues a year), etc.

New Education Fellowship, 55 Upper Stone Street, Tunbridge Wells, Kent, England; f. 1921; to promote the exchange and practice of progressive educational ideas in all parts of the world; sections and groups in 22 countries.

Chair. Prof. J. A. LAUWERYS; Sec. Miss Y. MOYSE, M.A. Publ. *The New Era in Home and School* (10 issues per annum).

Organisation of American States—Department of Cultural Affairs, Pan American Union, Washington 6, D.C., U.S.A.; f. 1948; among the activities of the Pan American Union (the General Secretariat of the O.A.S.) is the furtherance of knowledge and culture, involving the Department of Education, the Department of Scientific Affairs and the Department of Cultural Affairs.

Officers of the Cultural Affairs Dept.: Dir. RAFAEL SQUIRRU; Division Chiefs: GUILLERMO DE ZÉNDEGUI (Cultural Relations), ARMANDO C. PACHECO (Philosophy and Letters), GUILLERMO ESPINOSA (Music), JOSÉ GÓMEZ SICRE (Visual Arts), ARTHUR E. GROPP (Librarian, Columbus Library). Publ. *Américas* (monthly).

Organisation of the Catholic Universities of Latin America (*Organización de Universidades Católicas de América Latina—ODUCAL*); f. 1953; aims to assist the cultural development of Latin America and to promote the activities of Catholic higher education in the region; mems.: 18 Catholic universities in Argentina, Brazil, Colombia, Cuba, Ecuador, Mexico, Peru, Puerto Rico, and Venezuela.

Pres. Mgr. ALFREDO SILVA SANTIAGO, Archbishop of Petra, Rector of the Pontifical Catholic University of Chile; Sec.-Gen. FERNANDO SANHUEZA HERBAGE, Avenida Bernardo O'Higgins 340, Casilla 114-D, Santiago de Chile, Chile.

Pax Romana, f. 1921; two branches from 1947: the student branch—*International Movement of Catholic Students* (98 national federations in 69 countries); the graduate branch—*International Catholic Movement for Intellectual and Cultural Affairs* (84 national federations in 51 countries and 6 international professional federations.

Sec.-Gen. (IMCS) ALFRED STIRNEMANN; Sec.-Gen. (ICMICA) GEORGE STRASSER; Gen. Secretariat: 1 route du Jura, Fribourg, Switzerland, Publs. *Pax Romana Journal* (English and French, 6 a year), *Bolentino Ibero Americano, African Newsletter, Asian Newsletter,* and hundreds of national and professional federation publications.

Standing Conference of Rectors and Vice-Chancellors of the European Universities, The University, Geneva 1211, Switzerland.

Pres. Prof. JACQUES COURVOISIER.

Unesco Institute for Education (*Unesco-Institut für Pädagogik*), 70 Feldbrunnenstr., 2 Hamburg 13, Germany; f. 1952 to hold meetings of educators from different countries for the exchange of experiences and ideas on educational questions and to disseminate their findings; to promote comparative education; to co-ordinate international educational research; to provide information on educational topics requested by individuals and institutions; library of 10,000 vols.

Dir. Dr. GUSTAF ÖGREN; Dep. Dir. Dr. WILLY KOELLE. Publ. *International Review of Education* (quarterly).

Union of the Universities of Latin America (*Unión de Universidades de América Latina*); Secretariat: Apdo. Postal 70232, Ciudad Universitaria, Mexico 20, D.F.; f. 1949; to form a basis of collaboration between the universities of Latin America in the interests of academic and administrative integrity and uniformity and the maintenance of full autonomy. Mems.: 81 affiliated universities.

Pres. Dr. CARLOS CHAVEZ; Sec.-Gen. Dr. EFRÉN C. DEL POZO. Publ. *Universidades* (review) (quarterly).

World Confederation of Organisations of the Teaching Profession, 1227 Sixteenth Street, N.W., Washington, D.C. 20036; f. 1952. Purposes: to foster a conception of education directed toward the promotion of international understanding and good will; to improve teaching methods, educational organisation and the training of teachers to equip them better to serve the interests of youth; to defend the rights and the material and moral interests of the teaching profession; to promote closer relationships between teachers in different countries. Membership: 136 national teachers' associations in 86 countries.

Pres. Sir RONALD GOULD (Great Britain); Sec.-Gen. W. G. CARR (U.S.A.). Publs. *Education Panorama* (quarterly—English, French, Spanish, Japanese), *Annual Report* (in English, French and Spanish), *Echo* (monthly newsletter in English, French, Spanish, Arabic, Vietnamese, Japanese, Korean, Chinese, Portuguese and Tamil).

World Federation of Educational Associations (*Fédération Internationale des Associations Pédagogiques*), 705 East Seventh Street, Bloomington, Indiana, U.S.A.; f. 1923. Objects: To develop international goodwill through education, to promote the cause of education, and to elevate the character of teaching throughout the world. Mems.: national educational associations in various countries.

Vice-Pres. for Europe G. R. PARKER (London); Vice-Pres. for the Americas SELMA BORCHARDT (Washington, D.C.); Sec.-Gen. Dr. H. L. SMITH (Bloomington, Indiana). Publ. *World Education*.

World Student Christian Federation (WSCF) (*Fédération Universelle des Associations Chrétiennes d'Étudiants—FUACE*), f. 1895; a federation of national Student Christian Movements, student sections of YMCAs and YWCAs, and denominational student movements; mems.: affiliated movements in 35 countries, associated movements in 17 countries and corresponding movements in 31 countries.

Gen. Sec. VALDO GALLAND (Uruguay); Secretariat: 13 rue Calvin, Geneva, Switzerland. Publs. *Student World* (quarterly), *Federation News* (five issues per year).

World University Service, 13 rue Calvin, Geneva; f. 1919. Objects: W.U.S. provides mutual assistance from pooled resources of the world university community to meet the urgent needs and problems facing universities and university students in various parts of the world. Its programme includes material assistance to self-help projects in the fields of student health, student lodging and living, educational facilities, and community development in Asia, Africa, and Latin America, as well as aid to refugee students. In its work, university students and staff come together without prejudice of race, nationality, politicial or religious convictions. Through personal encounter and sharing knowledge gained in attempts to resolve basic university problems, WUS endeavours to develop an international understanding which would arouse a spirit of international solidarity and concern for mutual assistance. Mems.: 42 National Committees.

Chair. Dr. BUELL GALLAGHER; Gen. Sec. HANS DALL. Publs. *WUS in Action* (bimestrial), *Annual Report, Programme of Action*, Reports on conferences and research.

ENGINEERING AND TECHNOLOGY

Union of International Engineering Organisations (UIEO) (*Union des associations techniques internationales*), 62 rue de Courcelles, Paris 8e, France; f. 1951. Activities: The co-ordination of international congresses planned by member organisations, collaboration with UNESCO, the publication of technical bibliographies and of technical dictionaries in several languages. Membership: 18 international organisations.

Chair. A. RUMPLER (France); Sec.-Gen. J. BARDOUX (France).

MEMBER ORGANISATIONS

International Association for Hydraulic Research (*Association Internationale de Recherches Hydrauliques*), P.O. Box 177, Delft, Netherlands; f. 1935; 1,300 individual mems., 210 corporate mems.

Sec. H. J. SCHOEMAKER (Netherlands). Publs. *Bulletin* (biennial), *Newsletters, Proceedings.*

International Association for Bridge and Structural Engineering (*Association Internationale des Ponts et Charpentes*), Secretariat: Ecole Polytechnique Fédérale, Zürich, Switzerland; mems. from 61 countries.

International Cargo Handling Co-ordination Association (*Association de Coordination de la Manipulation des Chargements*), Hope House, Gt. Portland Street, London, W.1; f. 1952; mems. in 72 countries.

Pres. Viscount SIMON (U.K.); Sec.-Gen. Lt.-Col. EARLE (U.K.). Publ. *Quarterly Journal.*

International Commission on Irrigation and Drainage (*Commission Internationale des irrigations et du drainage*), 184 Golf Links Area, New Delhi III, India.

Sec.-Gen. K. K. FRAMJI.

International Commission on Large Dams of the World Power Conference (*Commission Internationale des grand barrages de la Conférence Mondiale de l'Energie*), 11 rue de Teheran, Paris 8e, France; f. 1925; 52 mem. countries.

Pres. J. GUTHRIE BROWN (U.K.); Sec.-Gen. J. DUFFAUT.

International Conference on Large Electric Systems (*Conférence Internationale des Grands Réseaux Electriques*), 112 Bvd. Haussmann, Paris 8e, France.

Pres. G. SILVA (Italy).

International Federation of Automatic Control (IFAC) (*Fédération Internationale de l'Automatique*), 4 Düsseldorf 10, Postfach 10250, Düsseldorf, Germany.

Sec. Dr. Ing. G. RUPPEL.

International Federation of Surveyors (*Fédération internationale des géomètres*), Krotenthallergasse 3, Vienna, Austria; f. 1926; 23 national associations are affiliated.

Pres. Dr. Ing. K. NEUMAIER (Austria); Sec.-Gen. Prof. Dr. Ing. A. BARVIR (Austria). Publ. Reports of congresses.

International Gas Union (*Union Internationale de l'Industrie du Gaz*), 4 avenue Palmerston, Brussels, Belgium; f. 1931; 24 mems.

Sec.-Gen. R. H. TOUWAIDE.

International Institute of Welding (*Institut international de la soudure*), 54 Princes Gate, London, S.W.7, England; f. 1948. 62 member societies.

Pres. K. RÜHL (Germany); Sec.-Gen. G. PARSLOE (U.K.).

International Institution for Production Engineering Research (*Collège international pour l'étude scientifique des techniques de production mécanique—CIRP*), 44 rue de Rennes, Paris 6e, France; f. 1951. Aims to promote by scientific research, the study of mechanical processing of all solid materials including checks on efficiency and quality of work. Mems.: 84 mems. in 23 countries.

Founder Pres. Prof. A. PORTEVIN (France); Pres. Prof. F. KOENIGSBERGER (U.K.), Vice-Pres. C. E- GLADMAN (Australia); Sec.-Gen. Ing.-Gén. P. NICOLAU (France). Publ. *Annals.*

International Society of Soil Mechanics and Foundation Engineering (*Société internationale de mécanique des sols et des travaux de fondations*), Institution of Civil Engineers, Great George Street, London, S.W.1, England; f. 1936; 40 national member societies.

Pres. Prof. A. CASAGRANDE (U.S.A.); Sec. A. MCDONALD (U.K.). Publ. *Conference Proceedings.*

International Union for Electroheat (*Union Internationale d'Electrothermie*), 25 rue de la Pépinière, Paris 8e, France; f. 1953, present title adopted 1957. Mems.: national cttees. in 17 countries.

Hon. Pres. R. FELIX (France); Pres. F. LÜCKE (Germany); Sec. G. E. ZELLER (France).

International Union of Public Transport (*Union Internationale des Transports Publics*), 19 Avenue de l'Uruguay, Brussels 5, Belgium; f. 1885.

Pres. CHARLES HARMEL; Sec.-Gen. A. J. JACOBS (Belgium).

International Union of Testing and Research Laboratories on Materials and Structures (RILEM) (*Réunion Internationale des Laboratoires d'Essais et de Recherches sur les Matériaux et les Constructions*), 12 rue Brançion, Paris 15e, France; f. 1947. Mems.: 650.

Pres. E. ROSENBLUETH; Sec.-Gen. L'HERMITE. Publ. *RILEM* (quarterly).

Permanent International Association of Navigation Congresses (*Association Internationale Permanente des Congrès de Navigation*), 60 rue Juste Lipse, Brussels, Belgium.

Sec.-Gen. H. VANDERVELDEN (Belgium).

Permanent International Association of Road Congresses (*Association Internationale Permanente des Congrès de la route*), 43 avenue du Président Wilson, Paris 16e, France; f. 1909 to help to promote a world network of roads; 1,660 mems.

Pres. M. RUMPLER (France); Sec.-Gen. E. NAUD. Publs. *Bulletin, Dictionnaires Techniques Routiers.*

World Power Conference, The, Central Office, 201-202 Grand Buildings, Trafalgar Square, London, W.C.2; f. in 1924 in Great Britain, upon the initiative of the late D. N. Dunlop, to form a link between various branches of power and fuel technology. It maintains a liaison between national experts (engineers, administrators, scientists and economists) throughout the world. The Conference now has 52 National Committees. In addition, 8 countries, which do not at present possess National Committees, maintain contact with the work of the World Power Conference through accredited "Representatives". Plenary conferences are held every six years and "sectional" meetings at irregular intervals.

Pres. W. H. CONNOLLY, C.B.E. (Australia); Int. Exec. Council: Chair. Sir CHRISTOPHER HINTON, K.B.E., F.R.S. (U.K.); Sec. C. H. GRAY; and delegates of the National Committees, together with accredited "Representatives". Publs. *Transactions of Plenary and Sectional Conferences, World Power Conference Survey of Energy Resources.*

OTHER ORGANISATIONS

Central American Research Institute for Industry (*Instituto Centroamericano de Investigacion y Tecnologia Industrial —ICAITI*), Avenida la Reforma 4-47, Zona 10, P.O.B. 1552, Guatemala City, Guatemala; f. 1956; to undertake technical investigation of marketing, developing of new industries and manufacturing techniques and general advice; library of 5,500 vols. and 250 current periodicals. Mems. five countries of Central America and Panama.

Dir. Dr. MANUEL NORIEGA MORALES (U.N.); Deputy Dir. Dr. FRANCISCO AGUIRRE. Publ. *Noticias del ICAITI.*

International Commission on Illumination (*Commission internationale de l'éclairage*), 57 rue Cuvier, Paris 5e, France; f. 1900 as International Commission on Photometry, reorganised as C.I.E. 1913. Objects: To provide an international forum for all matters relating to the science and art of illumination; to promote by all appropriate means the study of such matters; to provide for the interchange of information between the different countries; to agree upon and to publish international recommendations. Mems.: 29 affiliated National Illumination Committees.

Secs. Y. LE GRAND and J. J. CHAPPAT. Publs. *Comptes Rendus* of quadrennial plenary sessions, and an *International Lighting Vocabulary* in French, English and German, containing 530 terms with definitions.

International Council for Building Research, Studies and Documentation (CIB) (*Conseil international du bâtiment pour la recherche, l'étude et la documentation*), 700 Weena, P.O. Box 299, Rotterdam, Netherlands; f. 1953 to encourage and facilitate co-operation in building research, studies and documentation in all aspects. Mems.: national organisations in 37 countries.

Pres. PH. ARCTANDER (Denmark); Gen. Sec. J. DE GEUS (Netherlands). Publs. *CIB Bulletin* (quarterly), *Directory of Building Research and Development Organisations, Abridged Building Classification for Architects, Builders and Civil Engineers—ABC extract of Universal Decimal Classification, Innovation in Building, Bibliography on Building Documentation 1938–1962.*

International Electrotechnical Commission, 1 rue de Varembé, Geneva, Switzerland; f. 1906. Object: To facilitate the co-ordination and unification of national electrotechnical standards. Mems.: National Cttees. representing all sections of the electrical industry in 38 countries.

Gen.-Sec. L. RUPPERT. Publ. *International Recommendations.*

International Federation for Housing and Planning (*Fédération internationale pour l'habitation, l'urbanisme et l'aménagement des territoires*), Wassenaarseweg 43, The Hague, Netherlands; f. 1913 to promote throughout the world the study and practice of housing and regional, town and country planning, to secure higher standards of housing and the improvement of towns and cities.

Pres. C. SCHWEYER (Germany); Sec.-Gen. L. B. GELPKE (Netherlands). Publs. *Bulletin* (with News Sheet)—bi-monthly, Congress Reports, and occasional special publications.

International Federation of Automobile Technical Engineers' Associations (F.I.S.I.T.A.) (*Fédération internationale des sociétés d'ingénieurs des techniques de l'automobile*), Verein Deutscher Ingenieure-Fachgruppe Fahrzeugtechnik, Prinz-Georg-Strasse 77-79, 4 Düsseldorf 10, Germany; f. 1947 to promote the exchange of information between member societies, ensure standardisation of techniques and terms, to conduct research on technical and managerial problems and generally to encourage the technical development of mechanical transport. Member organisations in 11 countries.

Pres. Pr. Ing. P. KÖSSLER; Sec.-Gen. Dr. C. W. RAUSSENDORF; Treas. J. G. DOLLFUS.

International Federation of Operational Research Societies, Operations Research Center, Room 6-107, Mass. Institute of Technology, Cambridge 39, Mass., U.S.A.; f. 1959. Aims: the development of operational research as a unified science and its advancement in all nations of the world. Mems.: 14 national societies with about 7,000 mems.

Sec. Prof. P. M. MORSE (U.S.A.); Treas. ROBT. G. BROWN. Publ. *International Abstracts in Operations Research.*

International Institute of Refrigeration (*Institut international du froid*), 177 Boulevard Malesherbes, Paris 17e, France; intergovernmental organisation created June 21st, 1920. Object: The study of all technical, scientific, economic and industrial questions concerning refrigeration. Study and research is undertaken, under the direction of a Technical Board, by International Commissions, the number and duties of which are decided by the General Conference.

Pres. R. PLANK (Germany); Dir. R. THEVENOT (France). Publ. *Bulletin de l'I.I.F* (in French and English).

International Organization for Standardization (*Organisation internationale de normalisation*), 1 rue de Varembé, Geneva, Switzerland; f. 1946. 50 mems.

Pres. Sir JEHANGIR J. GHANDY (India) (1965–67); Vice-Pres. H. A. R. BINNEY (U.K.); Treas. JACQUES DE SAUGY (Switzerland); Gen. Sec. HENRY ST. LEGER (U.S.A.). Publ. *ISO Memento* (annual).

International Society for Photogrammetry (*Société internationale de photogrammétrie*), Manuelstrasse 83, 3000 Bern, Switzerland; f. 1910; 46 mems.

Pres. Dr. Ing.h.c. H. HÄRRY (Switzerland); Vice-Pres. Dr. P. O. FAGERHOLM (Sweden); Sec.-Gen. Prof. Dr. W. BACHMANN (Switzerland); Treas. Dipl. Ing. E. HUBER (Switzerland). Publs. *International Archives of Photogrammetry, Photogrammetria.*

Institution of Mining and Metallurgy, 44 Portland Place, London, W.1; f. 1892 for the advancement of the science and practice of mining and of metallurgy, and for the collection and dissemination of information concerning mining and metallurgy; administers scholarships and fellowships; maintains a specialist library containing 30,000 vols. Members in 72 countries.

Pres. R. F. LETHBRIDGE, A.C.S.M.; Sec. B. W. KERRIGAN, M.A. (Great Britain); Hon. Treas. R. ANNAN (Great Britain). Publs. *Bulletin of the Institution of Mining and Metallurgy* (monthly), *Transactions* (annual), *IMM Abstracts* (bi-monthly), special volumes of proceedings of conferences and symposia.

Permanent International Bureau of Analytical Chemistry of Human and Animal Food (*Bureau international de chimie analytique concernant les matières destinées à l'alimentation de l'homme et des animaux*), 18 avenue de Villars, Paris 7e, France; f. 1912 by inter-governmental agreement. Objects: Verification of all methods of analytical chemistry and of all scientific procedure for determining the nature and quantity of the main constituents of food for human and animal consumption; comparison of analytical methods in different countries with a view to prevention of adulteration; facilitation of international exchanges and field studies of methods recommended by the Bureau. Mems.: Governments of Argentina, France, Greece, Hungary, Israel, Mexico, Portugal, Uruguay; International Committee meets yearly.

Dir.-Gen. EMILE DURIER. Publs. *Annales des falsifications et de l'expertise chimique* (monthly).

LAW

Hague Academy of International Law (*Académie de droit international de la Haye*), Peace Palace, The Hague; f. 1914 as a centre of higher studies in international law (public and private) and cognate sciences, in order to facilitate a thorough and impartial examination of questions bearing on international juridical relations.

Admin. Council: The Directors of the Carnegie Foundation, The Hague; Sec.-Gen. Major-Gen. J. B. DE JONGH; Curatorium: Pres. Prof. F. CASTBERG (Norway); Sec.-Gen. Prof. CH. CHAUMONT (France); mems. TH. AGHNIDES, A. H. BADAWI, H. C. BATIFFOL, Sir GERALD FITZMAURICE, PHILIP C. JESSUP, E. N. VAN KLEFFENS, P. RUEGGER, A. VERDROSS, CH. DE VISSCHER, J. M. DE YANGUAS MESSÍA.

The Hague Conference on Private International Law (*Conférence de La Haye de droit international privé*), 66a Zeestraat, The Hague, Netherlands; f. 1893 to work for the unification of the rules of private international law; and to conduct research. Mems.: Austria, Belgium, Denmark, Finland, France, Germany (F.R.), Great Britain, Greece, Ireland, Italy, Japan, Luxembourg, Netherlands, Norway, Portugal, Spain, Sweden, Switzerland, Turkey, U.A.R., Yugoslavia; Observer, U.S.A.

Pres. J. OFFERHAUS (Netherlands); Sec.-Gen. M. H. VAN HOOGSTRATEN. Publs. *Actes* and *Documents* relating to each Session; various printed and mimeographed documents.

Institute of International Law (*Institut de droit international*), 88 rue de Grenelle, Paris 7e, France; f. 1873. Objects: To promote the development of international law by endeavouring to formulate general principles in accordance with civilised ethical standards, and by giving assistance to genuine attempts at the gradual and progressive codification of international law. Mems. limited to 60 members and 72 associates from all over the world.

Pres. S. E. M. BOHDAN WINIARSKI (Poland); Sec.-Gen. Prof. SUZANNE BASTID (France). Publs. *Annuaire de l'Institut de Droit international*, 48 vols., *Tableau général des Résolutions (1873-1956)*.

Inter-American Bar Association, 704 Federal Bar Building, 1815 H Street, N.W., Washington, D.C., 20006, U.S.A.; f. 1940; mems.: associations and individuals in 21 countries.

Pres. FERNANDO FOURNIER (Costa Rica); Sec.-Gen. W. R. VALLANCE (U.S.A.). Publ. *Newsletter*.

International Association for Penal Law (*Association internationale de droit pénal*), Faculty of Law of the Sorbonne, 12 place du Panthéon, Paris 5e; f. 1924. Objects: To promote co-operation between those who, in different countries, are engaged in the study or practice of criminal law, to study crime, its causes and its cure, and to further the theoretical and practical development of international penal law; 800 mems.

Pres. Prof. J. GRAVEN; Gen.-Sec. PIERRE BOUZAT, Hon. Dean of the Faculty of Law, Rennes. Publ. *Revue Internationale de Droit Pénal* (quarterly).

International Association of Democratic Lawyers (IADL) (*Association internationale des Juristes Démocrates*), 49 avenue Jupiter, Brussels 19, Belgium; f. 1946; aims to facilitate contacts and exchanges of view between lawyers and lawyers' associations and to foster understanding and goodwill; to work together to achieve the aims of the Charter of the United Nations. Mems. from 40 countries.

Hon. Pres. D. N. PRITT (U.K.); Pres. PIERRE COT (France); Sec.-Gen. J. NORDMANN (France). Publs. *Revue de Droit Contemporain* (twice a year), *Bulletins*.

International Association of Legal Science (*Association internationale des sciences juridiques*), High Cliff, Eden Park, Lancaster, England; f. 1950 to promote the mutual knowledge and understanding of nations and the increase of learning by encouraging throughout the world the study of foreign legal systems and the use of the comparative method in legal science. Governed by a President and an executive bureau of nine members known as the International Committee of Comparative Law. National committees in 38 countries. Sponsored by UNESCO.

Pres. Prof. ST. ROZMARYN (Poland); Vice-Pres. Prof. H. E. YNTEMA; Sec.-Gen. F. H. LAWSON (U.K.); Dir. of Scientific Research Prof. A. TUNC (France); Dir. for Documentation Vice-Dean F. DE SOLA CAÑIZARES (Spain).

International Bar Association, 501 Fifth Avenue, New York 17, N.Y., U.S.A.; organised Feb. 1947. Membership comprises 54 national bar associations of 40 countries.

Sec.-Gen. GERALD J. MCMAHON. Publ. *International Bar News* (quarterly) in English, French, Spanish and German. Conference Reports (biennial).

International Commission of Jurists (*Commission internationale de juristes*), 2 Quai du Cheval Blanc, Geneva, Switzerland; f. 1952 to promote and strengthen the Rule of Law in all its practical manifestations—institutions, legislation, procedures, etc.—and to defend it through the mobilisation of world legal opinion in cases of general and systematic violation of, or serious threat to, such principles of justice.

Hon. Pres. JOSEPH T. THORSON (Canada); Pres. VIVIAN BOSE (India); Sec.-Gen. SEAN MACBRIDE (Ireland); Exec. Sec. V. M. KABES (U.S.A.). Publs. *Journal*, *Bulletin*, special reports.

International Confederation of Societies of Authors and Composers (*Confédération internationale des sociétés d'auteurs et compositeurs*), 11 rue Keppler, Paris 16e, France; f. 1926 to ensure more effective protection of the rights of authors and composers, to improve legislation on literary and artistic rights, and to organise research on problems concerning the rights of authors; participates in preparatory work for inter-governmental conferences on authors' rights. Member societies in 39 countries.

Pres. Sir ARTHUR BLISS (U.K.); Sec.-Gen. LÉON MALAPLATE (France); Publ. *Interauteurs* (quarterly).

International Grotius Foundation for the Propagation of the Law of Nations, Secretariat: Grotius-Stiftung, Munich 27, Germany; f. 1945 for the study and development of international law. Members in 36 countries.

Hon. Sec.-Gen. Dr. Dr. Dr. HANS K. E. L. KELLER.

International Institute for the Unification of Private Law (UNIDROIT) (*Institut international pour l'unification du droit privé*), via Panisperna 28, Rome, Italy; f. 1926; to undertake studies of comparative law, to prepare for the establishment of uniform legislation, to prepare drafts of international agreements on private law and to organise conferences and publish works on such subjects. Drafts of uniform laws on the international sale of goods, on agency, on compulsory insurance of motorists, on arbitration law and on the reciprocal treatment of nationals, drafts of international conventions on road transport and inland navigation have been presented to the United Nations, the Council of Europe and other bodies; meetings of organisations concerned with the unification of law; documentation centre; Library of 155,000 vols. Mems.: governments of 41 countries.

Pres. ERNESTO EULA (Italy); Sec.-Gen. MARIO MATTEUCCI (Italy). Publs. *Yearbook, Uniform Law Cases*, etc.

International Institute of Space Law (IISL) (*Institut International de Droit de l'Espace*), 1735 DeSales Street, N.W., Washington, D.C. 20036, U.S.A.; f. 1960 at the XI Congress of the International Astronautical Federation; holds meetings, makes studies on juridical and sociological aspects of astronautics; publishes reports and a periodical journal; makes awards. The Institute has established 11 Working Groups to consider various legal problems of extraterrestrial space; mems. individuals elected for life.

Pres. E. PÉPIN (France); Gen. Counsel A. G. HALEY (U.S.A.); Dirs. ALDO ARMANDO COCCA (Argentina), ERNST FASAN (Austria), ISTVAN HERCZEG (Hungary), CYRIL HORSFORD (U.K.), VLADIMIR KOPAL (Czechoslovakia), D. MAXWELL (U.S.A.), M. SMIRNOFF (Yugoslavia), J. STUZKI (Poland), P. K. ROY (India).

International Juridical Institute (*Institut juridique international*), Permanent Office for the Supply of Int. Legal Information, 6 Oranjestraat, The Hague; f. 1918. Object: To supply information in connection with any matter of international interest, not being of a secret nature, respecting international, municipal and foreign law and the application thereof.

Governing Board: Chair. C. R. C. WIJCKERHELD BISDOM, LL.D.; Sec. Jhr. TH. K. M. J. VAN SASSE VAN YSSELT, LL.D.; Dir. C. D. VAN BOESCHOTEN, LL.D.

International Law Association, 3 Paper Buildings, The Temple, London, E.C.4; f. 1873. Object: The study and advancement of International Law, public and private; the promotion of international understanding and goodwill. 35 regional branches, over 4,000 members.

Pres. Hon. SHIGERU KURIYAMA (Japan); Chair. Exec. Council Lord WILBERFORCE, C.M.G., O.B.E.; Sec.-Gen. JOHN B. S. EDWARDS. Publs. Reports of conferences (51).

International Literary and Artistic Association (*Association littéraire et artistique internationale*), 117 Bd. Saint Germain, Paris, France; f. 1878 at Congress of Paris, presided over by Victor Hugo. Objects: The protection of the rights and interests of writers and artists of all lands; extension of copyright conventions, etc. The Association has national groups in Belgium, Denmark, Finland, the German Federal Republic, Greece, Italy, Monaco, the Netherlands, Norway, Portugal, Sweden and Switzerland, and members in Haiti, Great Britain, Brazil, Luxembourg, Turkey, Japan, Argentina, U.S.A. and Uruguay.

Pres. MARCEL BOUTET; Perm. Sec. JEAN VILBOIS, 133 Avenue de Suffren, Paris 7e, France.

International Maritime Committee (*Comité maritime international*), 33 rue Jordaens, Antwerp, Belgium; f. 1897 to contribute to the unification of maritime law by means of conferences, publications, etc. and to encourage the creation of national associations for the same end; work includes drafting of conventions on collisions at sea, salvage and assistance at sea, limitation of shipowners' liability, maritime mortgages, etc. Mems.: national associations in 29 countries.

Pres. ALBERT J. LILAR (Belgium); Vice-Pres. CYRIL MILLER (Great Britain); Sec.-Gen. CARLO VAN DEN BOSCH (Belgium).

World Federation of International Juridical Institutions, Institute of Comparative Law, Faculty of Law of the Sorbonne, 12 place du Panthéon, Paris 5e; f. 1948. Purpose: To co-ordinate the scientific work of the various international and national juridical organisations.

Secs.-Gen. BORIS MIRKINE-GUETZÉVITCH, MAX GONFREVILLE.

MEDICINE AND PUBLIC HEALTH

World Health Organisation (*Organisation mondiale de la santé*): Palais des Nations, Geneva, Switzerland; f. 1948. WHO, a specialised agency of the United Nations, is an inter-governmental agency charged under the terms of its constitution "to act as the directing and co-ordinating authority on international health work". WHO carries out a wide variety of programmes designed (1) to strengthen national health services; (2) to demonstrate methods and specialised techniques of disease control and health promotion; (3) to stimulate and co-ordinate research related to health; (4) to provide governments with various kinds of technical information required for protecting and promoting the health of their peoples; (5) to develop and establish international standards for drugs and similar products; (6) to help meet the need for more, and more adequately trained, doctors, nurses and related personnel, etc.; 119 mem. countries, 6 associate mem. countries; library of 75,000 vols. and 2,500 current periodicals.

Dir.-Gen. Dr. M. G. CANDAU (Brazil); Deputy Dir.-Gen. Dr. PIERRE DOROLLE (France); Asst. Dirs.-Gen. M. P. SIEGEL (U.S.A.), Dr. P. M. KAUL (India), Dr. F. GRUNDY (U.K.), Dr. O. V. BAROYAN (U.S.S.R.). Publs. *Bulletin* (monthly), *Chronicle* (monthly), *International Digest of Health Legislation* (quarterly), *Epidemiological and Vital Statistics Report* (monthly), *Weekly Epidemiological Record, Annual Epidemiological and Vital Statistics, Monograph Series* (irregular), *Public Health Papers* (irregular), *Technical Report Series* (irregular), *Official Records* (irregular), *World Health*

(monthly unofficial publ. intended for the general public).

Council for International Organisations of Medical Sciences (CIOMS) (*Conseil des organisations internationales des sciences médicales*), Secretariat: Maison de l'UNESCO, 6 rue Franklin, Paris 16e, France; f. 1949. Object: To facilitate the exchange of views and scientific information in the medical sciences by securing continuity and co-ordination between international associations of medical sciences, by making their work known, and by furnishing them with material aid where necessary; 58 international mems., 8 national mems., 7 associate mems.

Pres. Prof. M. FLORKIN (Belgium); Sec. Dr. P.-A. MESSERLI (Switzerland). Publs. *News Letter and Calendar* (in English and French), *Proceedings of symposia.*

INTERNATIONAL MEMBERS OF CIOMS

International Academy of Legal and Social Medicine (*Académie internationale de médecine légale et de médecine sociale*), c/o Prof. RENÉ MICHON, 18 *bis* Boulevard de la Bastille, Paris 12e, France; f. 1938. The Academy holds an international Congress and General Assembly every three years.

Chair. Prof. D. MACAGGI (Italy); Vice-Chair. Profs. ISHIKAWA (Japan), PAZ SOLDAN (Peru), WOLFF (Sweden); Gen. Sec. Prof. RENÉ MICHON (France); Publ. *Acta Medicinae legalis et socialis* (quarterly); Editor Prof. P. MOUREAU (Belgium).

International Association for the Prevention of Blindness (*Association internationale de prophylaxie de la cécité*), 47 rue de Bellechasse, Paris 7e; f. 1927. Object: To study through international investigation the causes which may result in blindness or impaired vision, to encourage and promote measures calculated to eliminate such causes, and to disseminate knowledge on all matters pertaining to the use and care of the eyes.

Pres. Prof. A. FRANCESCHETTI (Switzerland); Gen. Sec. Dr. J. P. BAILLIART (France). Publ. *Journal of Social Ophthalmology* (twice a year).

International Association of Allergology (*Association Internationale d'Allergologie*), 197 Boul. St. Germain, Paris 7e, France; f. 1945. Object: To further work in the educational, research and practical medical aspects of allergy diseases. Membership: 28 national societies.

Pres. BERNARD N. HALPERN (France); Sec.-Gen. CHARLES H. A. WALTON (Canada).

International Association of Gerontology (*Association internationale de gérontologie*), De Gamles By, Norre Allee 41, Copenhagen; f. 1950 to promote contacts between people interested in the study of gerontology and to organise meetings and congresses. Mems.: 31 national societies and groups in 30 countries.

Pres. Dr. T. GEILL (Denmark); Sec. CLARK TIBBITTS (U.S.A.); Treas. Dr. H. T. BLUMENTHAL (U.S.A.).

International Association of Microbiological Societies (IAMS) (*Association internationale des sociétés de microbiologie*), Division of Biosciences, National Research Council, Ottawa 2, Canada; f. 1950.

Pres. Dr. A. LWOFF (France); Vice-Pres. Dr. C.-G. HEDÉN (Sweden); Sec.-Gen. Dr. N. E. GIBBONS.

International Cardiovascular Society (*Société Internationale Cardiovasculaire*), 171 Harrison Avenue, Boston 11, Mass.; f. 1950 to stimulate research and to exchange ideas on an international basis.

Sec.-Gen. Dr. RALPH A. DETERLING, Jr.

International College of Surgeons, The (*Le Collège International de Chirurgiens*), 1516 Lake Shore Drive, Chicago, Ill. 60610, U.S.A.; f. Geneva 1935, inc. Washington 1940. Organised as a world-wide institution for the advancement of the art and science of surgery, and to create a common bond among the surgeons of all nations and promote the highest standards of surgery without regard to nationality, creed, or colour; about 12,000 mems.

Pres. Dr. KOMEI NAKAYAMA (Japan); Hon. Sec.-Gen. Dr. HORACE E. TURNER (U.S.A.); 141 mems. of Board of Governors. Publs. *Bulletin* and *Journal of the I.C.S.* (monthly).

International Committee of Military Medicine and Pharmacy (*Comité international de médecine et de pharmacie militaires*), Hôpital Militaire, Liège; f. 1921. Object: To promote world co-operation on questions of military medicine and to foster its international and humanitarian character. The Committee convokes biannual congresses of authorities of many nations and co-operates to some extent with the International Red Cross Committee. It also administers the *International Military Medical Record Office* (Office International de Médecine Militaire), f. 1930. Seventy-four countries are represented on the Committee.

Hon. Pres. Col. Brig. MEULI (Switzerland), Inspector-Gen. L. JAME (France), Lieut.-Col. FELTEN (Luxembourg); Lt.-Gen. GOJKO NIKOLIS (Yugoslavia); Pres. Col. ELBANO PAREDES VIVAS (Venezuela); Sec.-Gen. Gen. J. VONCKEN (Belgium); Congress Sec. Col. S. TALAMO (Venezuela).

International Congress of Oto-rhino-laryngology (*Congrès International d'Oto-rhino-laryngologie*), Secretariat: 6 avenue MacMahon, Paris 17e; f. 1928. Aims: to promote scientific and clinical research into oto-rhino-laryngology. Mems.: from 68 countries.

Pres. Prof. M. AUBRY (France); Sec.-Gen. H. GUILLON (France).

International Congresses on Tropical Medicine and Malaria (*Congrès Internationaux de Médecine Tropicale et de Paludisme*), Secretariat: c/o Prof. JEHAN SHAH SALEH, Faculty of Medicine, University of Teheran, Teheran, Iran; Congresses are held quinquennially, the next in Iran in 1968; to work towards the solution of the problems concerning malaria and tropical diseases.

Pres. Prof. JEHAN SHAH SALEH (Iran).

International Dental Federation (*Fédération Dentaire Internationale*); f. 1900.

Sec. Gen. G. H. LEATHERMAN, 35 Devonshire Place, London, W.1. Publ. *International Dental Journal and News Letter* (quarterly).

International Diabetes Federation (*Fédération internationale du diabète*), Burg. Patynlaan 65, The Hague, Netherlands; f. 1949 to help in the collection and dissemination of information regarding diabetes and to foster the welfare of people suffering from that disease. Member organisations in 31 countries.

Pres. H. F. ROOT, M.D. (U.S.A.); Sec. Dr. JAC. J. WITTE (Netherlands); Treas. P. J. SCHARRINGA (Netherlands). Publ. *News Bulletin.*

International Federation of Anatomists (*Fédération internationale des anatomistes*), 31 rue Lionnois, Nancy, France; f. 1955.

Sec.-Gen. Prof. A. BEAU.

International Federation of Ophthalmological Societies (*Fédération Internationale des Sociétés d'Ophtalmologie*), f. 1953.

Sec. Prof. Dr. JULES FRANÇOIS, 15 Place de Smet de Naeyer, Ghent, Belgium.

International Federation of Physical Medicine (*Fédération Internationale de Médecine Physique*), c/o The Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1952.

Sec. C. B. WYNN PARRY.

International Federation of Societies for Electroencephalography and Clinical Neurophysiology (*Fédération Internationale des Sociétés d'Electro-encéphalographie et de Neurophysiologie Clinique*), f. 1949. Object: To attain the highest level of knowledge in the field of electroencephalography and clinical neuro-physiology in all the countries of the world; 25 mem. organisations (nat. societies).

Pres. Prof. MARY A. B. BRAZIER (U.S.A.); Sec. Dr. R. G. NAQUET, 23 Rue de la Loge, Marseilles 2e, France. Publ. *The EEC Journal* (bi-monthly).

International League Against Epilepsy (*Ligue internationale contre l'épilepsie*), c/o 87 Boulevard Périer, Marseilles, France; f. 1909 to collect and disseminate information concerning epilepsy and foster co-operation with other international institutions in similar fields. Mems.: national organisations and individuals in 25 countries.

Pres. L. MCNAUGHTON (Canada); Sec.-Gen. H. GASTAUT (France). Publ. *Epilepsia* (quarterly).

International League Against Rheumatism (*Ligue internationale contre le Rhumatisme*); f. 1928. Objects: To promote international co-operation for the study and control of rheumatic diseases; to encourage the foundation of national leagues against rheumatism; to organise regular international congresses and to act as a connecting link between national leagues and international organisations.

Pres. ROBLES-GIL (Mexico); Sec.-Treas. Dr. FLORIAN DELBARRE, 15 rue Gay-Lussac, Paris 5e, France. Publs. *Annals of the Rheumatic Diseases* (in England) and *Revue de Rhumatisme* (in France).

International League of Dermatological Societies (*Ligue internationale des sociétés dermatologiques*), Karolinska Sjukhuset, Stockholm 60, Sweden; f. 1957 to promote contacts between dermatologists, to represent their interests at the international level and generally to advance their work. Member societies in 30 countries.

Chair. Prof. R. DEGOS (France); Sec.-Gen. and Treas. Prof. SVEN HELLERSTRÖM (Sweden).

International Leprosy Association (*Société internationale de la lèpre*), 8 Portman Street, London, W.1, England; f. 1931 to promote international co-operation in work on leprosy.

Gen. Sec.-Treas. Dr. J. R. INNES (U.K.). Publ. *International Journal of Leprosy* (quarterly).

International Medico-Athletic Federation (*Fédération internationale de Médecine Sportive*), c/o Prof. GIUSEPPE LA CAVA, Sec.-Gen., via A. Serra 104, Rome, Italy; f. 1928; publ. *Journal of Sports Medicine and Fitness* (quarterly).

International Neurological Congresses (*Congrès Neurologiques internationaux*), c/o Dr. G. ALEMÀ, viale dell' Università 30, Rome, Italy; Congresses meet every 4 years; the next Congress will take place in Vienna in June 1965

Sec.-Gen. Dr. TSCHAHITSCHEV of the Univ. of Vienna.

International Paediatric Association (*Association Internationale de Pédiatrie*); f. 1912.

Pres. CH. A. JANEWAY, M.D. (U.S.A.); Sec.-Gen. Prof. G. FANCONI, Kinderspital, Steinwiesstr. 75, Zürich 32, Switzerland.

International Society for Rehabilitation of the Disabled (*Société Internationale pour la Réadaptation des Handicapés*), 710 First Avenue, New York 17, N.Y., U.S.A.; f. 1929; mems. in 62 countries.

Pres. Dr. C. W. DE RUIJTER (Neths.); Sec.-Gen. DONALD V. WILSON (U.S.A.). Publ. *International Rehabilitation Review* (quarterly).

International Society of Audiology (*Société Internationale d'Audiologie*), 4 rue Montvert, Lyons 8e, France; f. 1952 to advance the study of audiology and protect human hearing; 400 individual mems.

Sec.-Gen. Dr. P. TRENQUE. Publs. Congress Reports.

International Society of Blood Transfusion (*Société Internationale de Transfusion Sanguine*), 6 rue Alexandre Cabanel, Paris 15e, France; f. 1938. Mems.: about 750 in 52 countries.

Pres. J. J. VAN LOGHEM (Netherlands); Sec.-Gen. J. P. SOULIER (France). Publ. *Vox Sanguinis*.

International Society of Cardiology (*Société internationale de cardiologie*), via Savoia 80, Rome; f. 1946. Aims to stimulate the development of cardiology in its theoretical and practical aspects and to encourage contacts and the exchange of material between its affiliated societies; organises world congresses every four years.

Pres. PIERRE W. DUCHOSAL (Switzerland).; Sec.-Gen. VITTORIO PUDDU (Italy).

International Society of Clinical Pathology (*Société internationale de biologie clinique*), f. 1947. Objects: to initiate permanent co-operation between the national associations of Clinical Pathology of the member countries or groups of countries; to co-ordinate their scientific and technical means of action; and to promote the development of Clinical Pathology in every aspect of its field of interest, especially by convening conferences, congresses and meetings, and by the interchange of publications and personnel. Membership: 23 national associations.

Pres. Prof. M. WELSCH (Belgium); Hon. Sec. Dr. J. UNGAR (Glaxo Laboratories Ltd., Greenford, Middlesex, England.)

International Society of Criminology (*Société internationale de criminologie*), 28 avenue de Friedland, Paris 8e, France; f. 1934. Object: To promote the development of the sciences in their application to the criminal phenomenon; 800 mems.

Pres. THORSTEN SELLIN (U.S.A.); Vice-Pres. PAUL CORNIL (Belgium), ROLAND GRASSBERGER (Austria), NOËL MAILLOUX (Canada), LEONIDIO RIBEIRO (Argentina); Gen. Sec. JEAN PINATEL (France).

International Society of Geographical Pathology (ISGP) (*Société internationale de pathologie géographique*), Kantonsspital, Zürich, Switzerland; f. 1931 to study the relations which may exist between diseases and the geographical environments in which they occur. Mems.: national and regional committees in 42 countries.

Pres. Dr. H. E. SCHORNAGEL (Netherlands), Vice-Pres. Prof. A. SCHABERG (Netherlands); Sec.-Gen. Prof. J. R. RÜTTNER (Switzerland). Publ. Transactions of the Conferences (published every third year).

International Society of the History of Medicine (*Société internationale d'histoire de la médecine*), f. 1921. Object: To study all questions relating to the history of biological and medical sciences.

Sec.-Gen. Dr. SONDERVORST (34 rue du Souci, Louvain, Belgium). Publs. *Bulletin* and *Memoires*.

International Society of Internal Medicine (*Société internationale de médecine interne*), Bürgerspital, Basle, Switzerland; f. 1948. Object: To encourage research and education in internal medicine; 3,000 mems. in 46 countries.

Pres. Dr. CARLOS JIMENEZ DIAZ; Sec. H. LUDWIG (Switzerland).

International Society of Orthopaedic Surgery and Traumatology (*Société internationale de chirurgie orthopédique et de traumatologie*), 43 rue des Champs-Elysées, Brussels, Belgium; f. 1929. Objects: To contribute to the progress

of science by the study of questions pertaining to orthopaedic surgery and traumatology. Congresses are convened every three years. 51 member countries, 1,358 members.

Pres. MATHIAS HACKENBROCH (Germany); Sec.-Gen. A. BAILLEUX (Belgium). Publ. *Publication des Congrès.*

International Society of Radiology (*Société Internationale de Radiologie*), f. 1953. Objects: To develop and advance medical radiology by giving radiologists in different countries an opportunity of personally submitting their experiences, exchanging and discussing their ideas, and forming personal bonds with their colleagues; there are three permanent International Commissions: (*a*) on Radiological Protection, (*b*) on Radiological Units, (*c*) on Cancer Records; these Commissions meet during each Congress, held at four-yearly intervals.

Hon. Sec.-Treas. Prof. FLEMMING NØRGAARD, Kommunehospitalet, Copenhagen, Denmark.

International Society of Surgery (*Société internationale de chirurgie*), 43 rue des Champs-Elysées, Brussels, Belgium; f. 1902.

Sec.-Gen. Prof. P. MARTIN (Belgium).

International Union against Cancer (*Union internationale contre le cancer*), 3 rue du Conseil Général, Geneva, Switzerland; f. 1933. Object: To maintain liaison between organisations devoted to the campaign against cancer, whether from the scientific or social aspect, by encouraging the organisation of under-graduate and post-graduate teaching in this field and the establishment of anti-cancer centres, Membership: 70 countries.

Pres. Prof. A. HADDOW (U.K.); Sec.-Gen. Dr. M. J. SHEAR (U.S.A.). Publ. *Acta* (quarterly).

International Union against Tuberculosis (*Union internationale contre la tuberculose*), 15 rue Pomereu, Paris 16e, France; f. 1920. Object: To co-ordinate the efforts of anti-tuberculosis associations, establish contact with other health organisations and to promote scientific conferences regarding tuberculosis. Mems. in 67 countries.

Exec. Dir. JOHS. HOLM, DR.MED.; Sec.-Gen. Prof. ETIENNE BERNARD. Publs. *Bulletin, Proceedings of International Conferences.*

International Union against the Venereal Diseases and the Treponematoses (*Union internationale contre le péril vénérien et les tréponématoses*), Institut A. Fournier, 25 Boulevard Saint-Jacques, Paris 14e; f. 1923. Mems. in 46 countries; has consultative status with W.H.O.

Pres. Dr. A. J. KING, F.R.C.S., (U.K.); Sec.-Gen. Prof. G. A. CANAPERIA, Via Salaria, 237, Rome, Italy.

International Union for Health Education (*Union internationale pour l'éducation sanitaire*), Secretariat: 3 rue Viollier, Geneva, Switzerland; Headquarters: Paris, France; f. 1951 to stimulate and facilitate health education activities by providing an international clearing house for the exchange of practical information on developments in health education; promoting research into effective methods and techniques in health education and encouraging professional training in health education for health workers, teachers, social workers and others, by means of standing committees, international conferences and regional seminars. Mems.: Groups and individuals in 48 countries.

Pres. Prof. G. CANAPERIA (Italy); Sec.-Gen. ANNETTE LE MEITOUR (France); Exec. Sec. SUSAN KING-HALL (U.K.). Publ. *International Journal of Health Education* (quarterly).

International Union of Biochemistry, *see under* International Council of Scientific Unions.

International Union of Nutritional Sciences (IUNS) (*Union Internationale des Sciences de la Nutrition*), f. 1946; to study the science of nutrition and its applications. Mems. from 36 countries.

Pres. Dr. D. P. CUTHBERTSON (U.K.); Sec.-Gen. Dr. L. J. HARRIS, Dunn Nutritional Laboratory, Milton Road, Cambridge, England.

International Union of Physiological Sciences (*Union Internationale des Sciences Physiologiques*), c/o The Secretary, Professor W. O. FENN, Medical Center, The University of Rochester, Rochester 20, N.Y., U.S.A.; f. 1953.

Pres. Sir LINDOR BROWN (U.K.); Vice-Pres. Prof. J. W. DUYFF (Netherlands), Prof. C. F. SCHIMDT (U.S.A.); Treas. Prof. F. C. MACINTOSH (Canada).

International Union of Railways Medical Services (*Union Internationale des Services Médicaux des Chemins de Fer*), c/o Sec.-Gen., Dr. J. ORTÉGA, 13 rue de Château-Landon, Paris 10e, France; f. 1949.

International Union of Therapeutics (*Union Internationale de Thérapeutique*), Faculté de Médecine, 12 rue de l'Ecole de Médecine, Paris 6e, France; f. 1934; 560 mems. from 22 countries.

Gen. Sec. Prof. J. LOEPER.

Medical Women's International Association (*Association Internationale des Femmes Médecins*); f. 1919 to facilitate contacts between medical women and to encourage their co-operation in matters connected with international health problems. Mems.: national associations in 31 countries and individuals.

Pres. Dr. FE DEL MUNDO (Philippines); Sec.-Gen. Dr. VERA J. PETERSON (U.S.A.), 29 Route de Malagnou, Geneva, Switzerland.

Permanent International Committee of Congresses of Comparative Pathology (*Comité International Permanent des Congrès de Pathologie Comparée*), c/o 4 rue Théodule-Ribot, Paris 17e, France; f. 1912 to study social maladies of man, animals, and plants. Mems.: national committees.

Pres. LEON BINET (France); Sec. L. GROLLET (France). Publ. *Revue de Pathologie comparée.*

World Federation for Mental Health (*Fédération mondiale pour la Santé Mentale*), 1 Rue Gevray, Geneva, Switzerland; f. 1948. Objects: To promote among all people and nations the highest possible standard of mental health in the broadest biological, medical, educational, and social aspects; to work with ECOSOC, UNESCO, the World Health Organisation, and other agencies of the United Nations, in so far as they promote mental health; to help other voluntary associations in the improvement of mental health services; and to further the establishment of better human relations; 144 mem. associations in 46 countries and 4 dependencies.

Dir. FRANÇOIS CLOUTIER; Scientific Adviser KENNETH SODDY, M.D.; Sec.-Gen. Miss E. M. THORNTON, M.A. Publs. *World Mental Health* (quarterly), *Annual Report.*

World Federation of Neurology (*Fédération Mondiale de Neurologie*), Institut Bunge, 59 rue Philippe Williot, Berchem-Antwerp, Belgium; f. 1957. Publs. *Journal of the Neurological Sciences, Acta Neuropathologica, Journal für Hirnforschung, Journal de Génétique Humaine.*

World Federation of Societies of Anaesthesiologists—WFSA (*Fédération mondiale des sociétés d'anesthésiologistes*), 17 Burghley Road, London, S.W.19; f. 1955. Aims: to make available the highest standards of anaesthesia to all peoples of the world. Mems.: Societies in 38 countries.

Pres. C. R. RITSEMA VAN ECK (Netherlands); Sec.-Treas. Dr. G. ORGANE (U.K.).

World Medical Association (*Association Médicale Mondiale*), 10 Colombus Circle, New York 19, N.Y. f. September 1947. Objects: To serve humanity by endeavouring to achieve the highest international standards in medical education, medical science, medical art and medical ethics, and health care for all people. The Unit of membership is the national medical association. The Association has established relations with the World Health Organisation, UNESCO, and other international bodies. H.O. New York City; six regional secretaries. Mems.: 58 national medical associations.

Sec.-Gen. Dr. H. S. GEAR; Treas. Dr. ERNST FROMM (Germany). Publ. *World Medical Journal.*

World Organisation of Gastroenterology (*Organisation mondiale de gastro-entérologie-OMGE*), f. 1935 to conduct research and contribute to the progress generally of the study of gastroenterology. Member societies and groups in 45 countries.

Pres. Dr. THOMAS HUNT, 4 Upper Harley Street, London, N.W.1; Sec.-Gen. Dr. GEOFFREY WATKINSON (U.K.); Treas. Dr. H. MARVIN POLLARD (U.S.A.).

World Psychiatric Association (*Association Mondiale de Psychiatrie*), 1 rue Cabanis, Paris 14e, France; f. 1961 to establish links between Psychiatric Associations throughout the world.

Pres. Dr. EWEN CAMERON; Gen. Sec. Dr. HENRI EY.

ASSOCIATE MEMBERS OF CIOMS

American College of Chest Physicians, 112 East Chestnut Street, Chicago 11, Ill., U.S.A.; f. 1935.

Pres. CHARLES K. PETTER; Exec. Dir. MURRAY KORNFELD (U.S.A.). Publ. *Diseases of the Chest.*

Asia Pacific Academy of Ophthalmology, 280 Alexander Young Building, Honolulu 13, Hawaii.

Sec.-Gen. Dr. W. J. HOLMES.

European Society of Cardiology (*Société Européenne de Cardiologie*), 80 rue Mercelis, Brussels, Belgium; f. 1949.

International Epidemiological Association (*Association Internationale d'Epidemiologie*), c/o Dr. R. M. ACHESON, Department of Epidemiology and Public Health, Yale University Medical School, 333 Cedar Street, New Haven 11, Connecticut, U.S.A.; f. 1954. Publ. *Bulletin* (bi-annual).

International Society for Clinical Electroretinography (*Société Internationale d'Electrorétinographie Clinique*), 180 Schiedamsevest, Rotterdam 1, Netherlands; f. 1958. Publ. *Bibliographic Service and Newsletter.*

International Society for Normal and Abnormal Ethnopsychology (*Société Internationale d'Ethnopsychologie Normale et Pathologie*), 96 rue Pierre-Demours, Paris 17e, France; f. 1955.

International Society of Art and Psychopathology (*Société Internationale de Psychopathologie de l'Expression*), Clinique de la Faculté, 1 rue Cabanis, Paris 14e, France; f. 1959 to bring together the various specialists interested in the problems of expression and artistic activities in connection with psychiatric, sociological and psychological research, as well as in the use of methods applied in fields other than that of mental illness; 625 members.

Pres. Dr. ROBERT VOLMAT (France); Sec.-Gen. Dr. G. ROSOLATO (France); Treas. Dr. C. SIMATOS (France).

International Society of Hydatidosis (*Asociación Internacional de Hidatidología*), c/o Dr. A. FERRO, Sec.-Gen., Lavalle 636, Azul, Argentina; f. 1941. Publ. *Archivos Internationales de la Hidatidosis.*

World Veterinary Association (*Association Mondiale Vétérinaire*), A. Van Ostadelaan 137, Utrecht, Netherlands; f. 1863.

International Academy of Pathology (*Académie internationale de pathologie*) (formerly the International Association of Medical Museums), Armed Forces Institute of Pathology, S.W., Washington 25, D.C., U.S.A.; f. 1906. Objects: The advancement of pathology through improvement of methods of teaching pathology in medical schools, laboratories, hospitals and medical museums; co-ordination of pathological anatomy and physiology and comparative pathology with allied sciences and techniques; promotion of research in pathology and pathological techniques; and publication of a journal for dissemination of work in these fields. 800 mems.

Sec.-Treas. Dr. F. K. MOSTOFI (Washington, D.C.). Publ. *Laboratory Investigation* (six times a year), Editor Dr. THOMAS D. KINNEY, Cleveland, Ohio.

International Association for Child Psychiatry and Allied Professions (*Association internationale de psychiatrie infantile et des professions affiliées*), 70 University Avenue, Glasgow W 2, Scotland; f. 1948 to promote scientific research in the field of child psychiatry by collaboration with allied professions. Mems.: national associations and individuals in 23 countries.

Pres. JOHN BOWLBY (U.K.); Sec.-Gen. FRED. H. STONE; Treas. GERALD CAPLAN (U.S.A.). Publ. *Acta paedopsychiatrica* (bi-monthly).

International Association of Applied Psychology (*Association internationale de psychologie appliquée*), Sveavägen 65, Stockholm, Va, Sweden; f. 1920, present title adopted in 1955. Aims: to establish contacts between those carrying out scientific work on applied psychology, to promote research and the adoption of measures contributing to this work. Members: 700 in 41 countries.

Past Pres. Dr. C. B. FRISBY (Great Britain); Pres. Prof. M. S. VITELES (U.S.A.); Vice-Pres. Prof. L. HEARNSHAW (U.K.); Sec.-Gen. G. WESTERLUND (Sweden); Treas. Prof. R. PIRET (Belgium). Publ. *Bulletin* (every six months).

International Association of Asthmology (*Association Internationale d'Asthmologie—INTERASMA*), 6 rue de la Concorde, Toulouse, France; f. 1954 to advance medical knowledge of bronchial asthma and allied disorders; mems. in 21 countries.

Pres. PIERO SANGIORI (Italy); Sec.-Gen. P. ZERBIB (France).

International Brain Research Organization (IBRO), c/o Department of Advancement of Sciences, UNESCO, Place de Fontenoy, Paris 7e; f. 1960.

Exec. Sec. Dr. KLAUS UNNA.

International Cell Research Organisation (*Organisation Internationale de Recherche sur la Cellule*), c/o UNESCO, Place de Fontenoy, Paris 7e, France; f. 1962 to create, encourage and promote co-operation between scientists of different disciplines throughout the world for the advancement of fundamental knowledge of the cell, normal and abnormal; organises international congresses and exchange of scientists, etc.; 90 mems.

Chair. Prof. O. MÜHLBOCK (Netherlands); Vice-Chair. Prof. G. M. FRANK (U.S.S.R.); Treas. Dr. J. SENEZ (France); Exec. Sec. Dr. R. J. C. HARRIS (U.K.).

International Federation of Gynaecology and Obstetrics (*Fédération internationale de gynécologie et d'obstétrique (FIGO)*, Maternité, rue Alcide Jentzer, Geneva, Switzerland; f. 1954; assists and contributes to research in gynæcology and obstetrics; aims to facilitate the exchange of information and perfect methods of teaching; organises international congresses. Membership: National societies in 60 countries.

Pres. GIUSEPPE TESAURO (Italy); Sec.-Gen. Prof. H. DE WATTEVILLE (Switzerland).

International Federation of Physical Education (*Fédération Internationale d'Education Physique—FIEP*), 22 Rua das Amoreiras, Lisbon; f. 1923. Aims at national physical education; organises int. congresses and courses.

Pres. Dr. A. L. O'OLIVEIRA; Vice-Pres. Lieut.-Col. DE CAVALERIE. Publ. *F.I.E.P. Bulletin* (quarterly).

International Federation of Surgical Colleges (*Fédération Internationale des Collèges de Chirurgie*), Secretariat: Royal College of Surgeons of England, Lincoln's Inn Fields, London, W.C.2, England; f. Stockholm 1958. Object: The improvement and maintenance of the standards of surgery throughout the world, by establishment and maintenance of co-operation and interchange of medical and surgical information; encouragement of high standards of education, training and research in surgery and its allied sciences; provision of surgery, surgical training and surgical hospitals of high standard to countries of the world requesting aid. Membership: 37 national colleges or societies.

Pres. Sir HARRY PLATT, Bt. (U.K.); Vice-Pres. Dr. I. S. RAVDIN (U.S.A.) and Prof. C. SEMB (Norway); Sec. and Treas. KENNEDY CASSELS (U.K.). Publs. *News Bulletin*, *Bulletin of Interchange of Young Surgeons*.

International Federation of Thermalism and Climatism (*Fédération internationale du thermalisme et du climatisme*), Stadtbachstr. 12, Baden, Switzerland; f. 1947. 23 member countries.

Chair. A. SCHIRMER.

International Hospital Federation (*Fédération internationale des hôpitaux*), The Hospital Centre, 24 Nutford Place, London, W.1; f. 1947. Objects: To establish an information bureau on matters connected with hospital work and practice; to set up international study committees and to publish reports of their work; to organise international hospital congresses, study tours and study courses in hospital work; to publish an international hospital journal in English and French; 4 categories of members: national hospital organisations; professional organisations, regional groups of hospitals, individual hospitals; individual members; industrial members.

Pres. Dr. EDWIN L. CROSBY (U.S.A.); Sec.-Gen. and Treas. Dr. J. C. J. BURKENS (Netherlands); Dir.-Gen. D. G. HARINGTON HAWES (U.K.). Publ. *News Bulletin* (bi-monthly; English and French).

International Organisation Against Trachoma (*Organisation internationale contre le trachome*), 94 rue Sylvabelle, Marseilles, France; f. 1929 by the International Congress of Ophthalmology for the research and study of trachomatous conjunctivitis (trachoma).

Pres. Prof. G. B. BIETTI (Rome); Sec.-Gen. Dr. JEAN SÉDAN (France). Publ. *International Review of Trachoma* (quarterly).

International Scientific Committee for Trypanosomiasis Research (*Comité scientifique internationale de recherches sur la trypanosomaise*), Secretariat: STRC/OAU, Ports Authority Building, Marina P.M.B. 2359, Lagos, Nigeria; f. 1949. Objects: To review the work on tsetse and trypanosomiasis problems carried out by the organisations and workers concerned in laboratories and in the field; to stimulate further research and discussion and to promote co-ordination between research workers and organisations in the different countries in Africa, and to provide a regular opportunity for the discussion of particular problems and for the exposition of new experiments and discoveries.

International Society for Research on Nutrition and Vital Substances (*Société Internationale pour la Recherche sur l'Alimentation et les Substances Vitales*), Bemeroder Strasse 61, Hannover-Kirchrode, Federal Germany; research into the improvement of foodstuffs by ensuring retention of their natural properties; combat the use of chemical products; prohibit harmful additives. Mems.: National Societies and individuals in 65 countries.

Pres. Prof. Dr. phil. habil. H. A. SCHWEIGART. Publ. *Vitalstoff-Zivilisationskrankheiten* (Vital substances, Diseases of Civilisation, 7 vols. a year).

International Society of Haematology (*Société internationale d'hématologie*); f. 1946. Objects: To promote and foster the exchange and diffusion of information and ideas relating to blood and blood-forming tissues throughout the world; to provide a forum for discussion of haematologic problems on an international scale and to encourage scientific investigation of these problems; to promote the advancement of haematology and its recognition as a branch of the biological sciences; to attempt to standardise on an international scale haematologic methods and nomenclature; to promote a better understanding of the scientific basic principles of haematology among practitioners of haematology and physicians in general, and to foster better understanding of and greater interest in clinical haematologic problems among scientific investigators in the field of haematology; 1,063 mems.

Sec.-Gen. (Western Hemisphere) JAMES TULLIS (U.S.A.), 1101 Beacon Street, Boston 46, Mass., U.S.A.; Sec.-Gen. (Eastern Hemisphere) G. MATHE (France), 11 *bis* rue Valentin Haüy, Paris 15e, France. Publs. *News Letter* (quarterly), *Congress Proceedings* (biennially).

International Society of Medical Hydrology (*Société internationale d'hydrologie médicale*), via Lamarmora 34, Florence, Italy; f. 1922; 236 mems.

Pres. (Vacant); Hon. Sec. Dr. G. AMMIRANDOLI (Italy); Hon. Treas. Dr. ATTILIO VALENTE. Publ. *Archives of Medical Hydrology* (quarterly).

International Society of Urology (*Société internationale d'urologie*), 63 avenue Niel, Paris 17e, France; f. 1919; national committees and individual members in 51 countries.

Pres. LUIGI PISANI; Sec.-Gen. Prof. RENÉ KÜSS.

International Union of Scientific Psychology, f. 1951 at the thirteenth International Congress of Psychology (the first of which took place in 1889); congresses are held as a rule every three years. Membership: 23 national societies.

Sec.-Gen. Dr. ROGER W. RUSSELL, Dept. of Psychology, Univ. of Indiana, Bloomington, Indiana, U.S.A.

Pan-American Medical Association, 745 Fifth Avenue, New York 22, N.Y., U.S.A.; f. 1925. Objects: To promote closer relations among physicians, to grant post-graduate scholarships, to establish post-graduate medical teaching centres, and to take all possible steps to advance medical knowledge and co-operation in the western hemisphere. Organises Pan-American medical congresses.

Dir.-Gen. JOSEPH J. ELLER, M.D.

Permanent Commission and International Association on Occupational Health (*Commission Permanente et Association Internationale pour la Médecine du Travail*), Clinica del Lavoro, 8 via S. Barnaba, Milan, Italy; f. 1906 to organise international meetings, to study new facts in the field of industrial medicine, to draw the attention of authorities to the results of study and investigation in industrial medicine, and to organise competitions on national or international problems of industrial medicine. Membership: 407 representatives from 43 states.

Pres. Prof. SVEN FORSSMAN (Sweden); Gen. Sec. and Treas. Prof. ENRICO C. VIGLIANI (Italy).

World Confederation for Physical Therapy, Burdett House, 15 Buckingham Street, Strand, London, W.C.2, England; f. 1951 to encourage improved standards of physical therapy in training and practice; to promote exchange of information between nations; to assist the development of informed public opinion regarding physical therapy; to co-operate with appropriate agencies of UN and national and international organisations; mem. countries: Australia, Belgium, Brazil, Canada, Colombia, Denmark, Finland, France, Great Britain, Guatemala, Iceland, Israel, Netherlands, New Zealand, Norway, Portugal, South Africa, Sweden, Switzerland, U.S.A., the German Federal Republic.

Pres. Exec. Cttee. Mrs. RUDIE AGERSNAP (Denmark), Sec.-Gen. Miss M. J. NEILSON, M.B.E. (U.K.). Publ. *Bulletin* (three times yearly); Fifth International Congress, Melbourne 1967.

World Federation of Neurosurgical Societies (*Fédération Mondiale des Sociétés de Neurochirurgie*), 601 N. Broadway, Baltimore 5, Md., U.S.A.; to facilitate the exchange of knowledge and to encourage research. Mems.: representatives from 50 countries.

Pres. Prof. EDUARD BUSCH (Denmark); Sec.-Gen. Dr. A. EARL WALKER (U.S.A.).

MUSIC

International Music Council—IMC (*Conseil international de la musique*), Maison de l'UNESCO, 6 rue Franklin, Paris 16e, France; f. 1949 under the auspices of UNESCO to foster the exchange of musicians, music (written and recorded), and information; to support contemporary composers and young professional musicians; to foster appreciation of music by the public. Mems.: 10 international non-governmental organisations, national committees in Australia, Austria, Belgium, Brazil, Bulgaria, Canada, Chile, China, Cuba, Czechoslovakia, Denmark, Finland, France, Germany, Hungary, Iceland, Iran, Israel, Italy, Japan, Korea, Luxembourg, Mexico, Netherlands, Norway, Pakistan, Peru, Philippines, Poland, Rumania, Spain, Sweden, Switzerland, Tunisia, U.S.S.R., U.K., Uruguay, U.S.A., Venezuela, Yugoslavia.

Chair. MARIO LABROCA (Italy); Sec.-Gen. EGON KRAUS (Germany).

MEMBERS OF IMC

International Confederation of Popular Music Societies (*Confédération internationale des sociétés populaires de musique*), 23 Rue des Ardennes, Luxembourg; f. 1949 to promote the formation and development of popular music societies and to encourage the development of musical appreciation. Member federations in 14 countries.

Pres. ALBERT EHRMANN (France); Sec.-Gen. YVON CHRISTNACH (Luxembourg).

International Federation of Musicians (*Fédération internationale des musiciens*), Kreuzstrasse 60, 8008 Zürich, Switzerland; f. 1948, to promote and protect the interests of musicians in affiliated unions and to institute protective measures to safeguard musicians against the abuse of their performances; promotes the international exchange of musicians; makes agreements with other international organisations in the interest of member unions and of the profession. Mems.: 28 national unions totalling 87,115 members in 22 countries.

Pres. HARDIE RATCLIFFE (U.K.); Gen. Sec. RUDOLF LEUZINGER (Switzerland).

International Federation of Youth and Music (*Fédération internationale des jeunesses musicales*), Palais des Beaux-Arts, 11 rue Baron Horta, Brussels, Belgium; f. 1945 to promote the development of musical appreciation among young people, to encourage the creation of new societies and to ensure co-operation between national societies. Member organisations in 24 countries.

Sec.-Gen. PAUL WILLEMS (Belgium); Exec. Sec. HADELIN DONNET (Belgium). Publ. *Rapport Annuel del'Assemblée Générale*.

International Folk Music Council (*Conseil international de la musique populaire*), 35 Princess Court, Queensway, London, W.2; f. 1947 to further the preservation, study and practice of the folk music (including dance) of all countries; annual conferences.

Pres. ZOLTÁN KODÁLY (Hungary); Exec. Sec. Mrs. B. KRADER (U.S.A.); Treas. W. S. GWYNN WILLIAMS (U.K.). Publ. *Journal*.

International Musicological Society (*Société internationale de musicologie*), *see under* International Council for Philosophy and Humanistic Studies.

International Society for Contemporary Music (*Société internationale pour la musique contemporaine*), 7 Place de la République, Strasbourg, France; f. 1922 to promote the development of contemporary music and to organise an annual World Music Festival. Member organisations in 24 countries.

Pres. HEINRICH STROBEL (Germany); Sec.-Gen. PIERRE STOLL (France).

The International Committee for the Standardisation of Instrumental Music, the International Association of Music Libraries (*see under* Bibliography) and the International Society for Music Education are also members of the Council.

OTHER ORGANISATION

European Association of Music Festivals (*Association européenne des festivals de musique*), Centre Européen de la Culture, 122 rue de Lausanne, Geneva, Switzerland; f. 1951. Aims to maintain high artistic standards in festivals, widen the field of operation, organise joint propaganda and publicity. Mems.: 28 festivals in Austria, Czechoslovakia, Denmark, Finland, France, Germany, Great Britain, Greece, Italy, Netherlands, Norway, Poland, Portugal, Spain, Sweden, Switzerland, Yugoslavia.

Pres. DENIS DE ROUGEMONT (Switzerland); Artistic Counsellor FRANZ WALTER. Publ. Annual programme *Festivals* in four languages.

SCIENCE

Association for the Taxonomic Study of Tropical African Flora (*Association pour l'Etude Taxonomique de la Flore d'Afrique Tropicale*), c/o Institute of Systematical Botany, P.O. Box 123, Uppsala, Sweden; f. 1930; Mems.: 427 individuals from 51 countries.

Sec.-Gen. Dr. O. HEDBERG (Sweden).

Biometric Society, The (BS) (*Société internationale de biométrie*), Ecole Polytechnique Fédérale, Zürich, Switzerland; f. 1947; an international society for the advancement of quantitative biological science through the development of quantitative theories and the application, development and dissemination of effective mathematical and statistical techniques; the Society has eleven regional organisations, is affiliated with the International Statistical Institute and the World Health Organisation, and constitutes the Section of Biometry of the International Union of Biological Sciences. Mems.: over 2,000 in more than 50 different countries.

Sec. Prof. Dr. H. L. LE ROY. Publ. *Biometrics* (quarterly).

Charles Darwin Foundation for the Galapagos Isles (*Fundación Charles Darwin para las Islas Galápagos*), Palais des Académies, Brussels 1, Belgium; f. 1959 to organise and maintain the research station "Charles Darwin", which the Ecuador Government has authorised to be established in the Galapagos Archipelago on the occasion of the centenary of the announcement of the theory of evolution. Mems.: 14.

Pres. of Honour Sir JULIAN HUXLEY, F.R.S. (Great Britain); Pres. Dr. JEAN DORST (France); Vice-Pres. Dr. LUIS JARAMILLO (Ecuador); Secs. Dr. JACQUES LARUELLE (Belgium); Dr. E. YALE DAWSON (U.S.A.). Publ. *Noticias de Galápagos*.

Euratom (*European Atomic Energy Commission*), 51-53 Rue Belliard, Brussels. Based on a formal treaty signed in Rome on March 25th, 1957, and ratified by the six countries of the European Coal-Steel Community: Belgium, France, Italy, Luxembourg, Holland, and West Germany. It aims to integrate the programme of the six countries for the peaceful uses of atomic energy.

Pres. PIERRE CHATENET (France); Vice-Pres. ENRICO MEDI; Sec.-Gen. CHRISTIAN CALMES (Luxembourg).

European Organisation for Nuclear Research (CERN) (*Organisation européenne pour la Recherche nucléaire*), Geneva 23, Switzerland; established in 1954 under the auspices of UNESCO. A co-operative organisation formed by the governments of Austria, Belgium, Denmark, France, German Federal Republic, Greece, Italy, The Netherlands, Norway, Spain, Sweden, Switzerland and United Kingdom for the purpose of furthering nuclear research with particular reference to the phenomena involving very high energies and throwing light on the nature of elementary particles. The construction of the laboratories in Geneva started early in 1954 and the first of the two particle accelerators, a synchro-cyclotron (600 million electron volts) started operating in August 1957. The larger machine, the proton synchroton (28,000 million electron volts) was inaugurated in February 1960. Total staff at the end of March 1964 was 1,479.

Pres. of the Council J. H. BANNIER (Netherlands); Dir.-Gen. V. F. WEISSKOPF.

Foundation for International Scientific Co-ordination (*Fondation "pour la science", Centre international de Synthèse*), 12 rue Colbert, Paris 2e, France; f. 1924.

Founder HENRI BERR; Gen. Sec. PAUL CHALUS (France). Publs. *Revue de Synthèse, Revue d'Histoire des Sciences et de leurs applications, Semaines de Synthèse.*

The Glaciological Society, c/o Scott Polar Research Institute, Lensfield Road, Cambridge; f. 1936 to stimulate interest in and encourage research into the scientific and technical problems of snow and ice in all countries; 70 mems.

Pres. Sir VIVIAN FUCHS (U.K.); Vice-Pres. Dr. W. H. WARD (U.K.), Dr. J. F. NYE (U.K.), H. C. HOINKES (Austria). Publs. *Journal of Glaciology* (3 times a year), *Ice* (News Bulletin—3 times a year).

International Academy of Astronautics (IAA) (*Académie Internationale d'Astronautique*), 250 rue Saint-Jacques, Paris 5e, France; f. 1960 at the XI Congress of the International Astronautical Federation; holds scientific meetings and makes scientific studies and reports, awards and prizes, including the annual Daniel and Florence Guggenheim International Astronautics Award of $1,000, and fellowships; maintains several Committees including the Lunar International Laboratory (LIL), History of Rockets and Astronautics, and Space Relativity Committees; mems. (1965) 194 from 23 countries.

Pres. C. S. DRAPER (U.S.A.); Vice-Pres. E. A. BRUN (France), U. S. VON EULER (Sweden); Trustees: Section 1, Basic Sciences: A. EHMERT (Germany), D. F. MARTYN (Australia), N. BONEFF (Bulgaria), H. FREIDMAN (U.S.A.); Section 2, Engineering Sciences: J. M. J. KOOY (Netherlands), R. PESEK (Czechoslovakia), F. J. MALINA (U.S.A.), A. EULA (Italy); Section 3, Life Sciences: R. K. ANDJUS (Yugoslavia), W. K. STEWART (U.K.), W. R. LOVELACE II (U.S.A.). Publs. *Astronautica Acta* (6 issues a year), *Proceedings of Symposia, Astronautical Multilingual Dictionary*.

International Association for Analogue Computation (*Association internationale pour le calcul analogique*), 50 avenue Franklin D. Roosevelt, Brussels; f. 1955 to further the study of calculus at an international level. Mems.: 47 associate mems., 266 full mems.

Pres. J. HOFFMANN (Belgium); Sec.-Gen. R. TOMOVIC (Yugoslavia).

International Association for Cybernetics (*Association internationale de cybernétique*), 13 rue Basse-Marcelle, Namur, Belgium; f. 1957 to ensure liaison between research workers engaged in various sectors of cybernetics, to promote the development of the science and of its applications and to disseminate information about it. Mems.: industrial firms and individuals in 35 countries.

Pres. Prof. GEORGES R. BOULANGER (Belgium); Managing Administrator J. LEMAIRE (Belgium); Treas. R. DETRY (Belgium). Publ. *Cybernetica* (quarterly).

International Association for Plant Taxonomy (*Association internationale pour la taxonomie végétale*), Bureau for Plant Taxonomy and Nomenclature, Lange Nieuwstraat 106, Utrecht, Netherlands; f. 1950 to promote the development of plant taxonomy and encourage contacts between people and institutes interested in this work. Mems.: Institutes and individuals in 70 countries.

Pres. J. LANJOUN (Netherlands); Vice-Pres. Sir. G. TAYLOR (U.K.); Sec.-Gen. F. A. STAFLEU (Netherlands). Publs. *Taxon* (9 a year), *Regnum vegetabile* (irregular).

International Association of Geodesy (*Association internationale de géodésie* (*AIG*)), 19 rue Auber, Paris 9e, France; f. 1922 to organise geodetic enterprises and carry out documentation in the field of geodesy. Mems.: national committees in 61 countries.

Pres. Brig. G. BOMFORD (U.K.); Sec. Ing. Gen. J. J. LEVALLOIS (France). Publs. *Bulletin géodésique, Travaux de l'A.I.G., Bibliographie géodésique internationale, Publications spéciales.*

International Association of Geomagnetism and Aeronomy—IAGA (*Association internationale de geomagnétisme et d'aéronomie—AIGA*), Central Bureau, U.S. Coast and Geodetic Survey, Washington Science Center, Rockville, Md. 20852, U.S.A.; f. 1919. Aims: the study of questions relating to geomagnetism and aeronomy and the encouragement of research. Mems. the countries which adhere to the International Union of Geodesy and Geophysics are eligible as members.

Pres. M. NICOLET (Belgium); Vice-Pres. T. NAGATA (Japan), J. O. CARDUS (Spain); Sec.-Dir. LEROY R. ALLDREDGE. Publs. *Transactions of the General Assemblies* (every three years), *Specialized IAGA Symposia, IAGA Bulletins with geomagnetic data.*

International Association of Meteorology and Atmospheric Physics (IAMAP) (*Association Internationale de Météorologie et de Physique de l'Atmosphère*), c/o Meteorological Branch, Air Services, Dept. of Transport, 315 Bloor Street West, Toronto 5, Ontario, Canada; f. 1919; to relate meteorological research to the physics of the atmosphere and to other branches of science; an Association of the International Union of Geodesy and Geophysics.

Pres. Prof. A. M. OBOUKHOV (U.S.S.R.); Sec. Dr. W. L. GODSON (Canada).

International Association of Physical Oceanography (IAPO) (*Association internationale d'océanographie physique—AIOP*), Merentutkimuslaitos (Institute of Marine Research), Helsinki 4, Finland; f. 1919 to promote the study of scientific problems relating to the Oceans, chiefly in so far as such study may be carried out by the aid of mathematics, physics and chemistry; to initiate, facilitate and co-ordinate research; to provide for discussion, comparison and publication. Mems.: 49 member states.

Pres. Dr. R. REVELLE (U.S.A.); Sec. Dr. I. HELA, (Finland). Publs. *Publications Scientifiques* (irregularly), *Procès-Verbaux* (every third year).

International Association of Quaternary Research (*Association internationale pour l'étude du quaternaire*); f. 1928. Mems.: 400 in 35 countries.

Gen.-Sec. Prof. RAJMUND GALON, Ul. Fredry 8, Coll. Geogr., Torun, Poland.

International Association of Scientific Hydrology (*Association internationale d'hydrologie scientifique*), 61 rue des Ronces, Gentbrugge, Belgium; f. 1924 to promote the study of hydrology, encourage and undertake research on problems necessitating international co-operation, and to ensure the dissemination of information concerning this research; special commissions on continental erosion, surface waters, subterranean waters, snow and glaciers. Mems.: academies of science and other national bodies appointed by their governments in 51 countries.

Pres. A. VOLKER (Netherlands); Sec.-Gen. Prof. L. J. TISON (Belgium). Publs. *Bulletin de l'AIHS* (quarterly), *Bibliographie Hydrologique* (annual), *Comptes-Rendus et Rapports des Assemblées et Symposia* (annual).

International Association of Sedimentology (*Association Internationale de Sédimentologie*), c/o Dr. D. J. DOUGLAS, Geological Institute, Wageningen, Netherlands; f. 1952.

Pres. F. P. SHEPARD (U.S.A.); Sec.-Gen. A. VATAN. Publs. *Comptes rendus, Bibliographie internationale* (1959).

International Association of Seismology and Physics of the Earth's Interior (IASPEI) (*Association Internationale de Seismologie et de Physique de l'Intérieur de la Terre*), c/o 38 Boul. d'Anvers, Strasbourg, France; f. 1901 to develop studies in the economic, social and scientific aspects of seismology.

Pres. Dr. J. HODGSON (Canada); Sec.-Gen. Prof. J. P. ROTHÉ (France). Publs. *Travaux scientifiques, Bulletin mensuel, International Seismological Summary.*

International Association of Theoretical and Applied Limnology (*Association internationale de Limnologie Théorique et Appliquée*), Freshwater Biological Association, Ferry House, Far Sawrey, Ambleside, Westmorland, England; f. 1922; about 1,200 mems.

Pres. Prof. G. E. HUTCHINSON (U.S.A.); Gen. Sec. and Treas. Dr. T. T. MACAN (U.K.). Publs. *Verhandlungen der internationalen Vereinigung für Limnologie, Mitteilungen.*

International Association of Vulcanology (IAV) (*Association Internationale de Volcanologie*), c/o Prof. Ing. FRANCESCO PENTA, Sec., Istituto di Geologia Applicata, Facoltà di Ingegneria, Università, via Eudossiana 18, Rome; f. 1919 to examine scientifically all aspects of vulcanology.

Pres. H. KUNO (Japan); Sec. Prof. PENTA (Italy). Publ. *Bulletin Volcanologique.*

International Association of Wood Anatomists (*Association Internationale des Anatomistes du Bois*), c/o Institut für Allgemeine Botanik ETH, Universitätstrasse 2, Zürich 6, Switzerland; f. 1931 for the purpose of study, documentation and exchange of information on the anatomy of wood. Mems.: 147 in 31 countries.

Sec.-Treas. Prof. Dr. A. FREY-WYSSLING. Publ. *News Letter.*

International Astronautical Federation (IAF) (*Fédération Internationale d'Astronautique*), 250 rue Saint Jacques, Paris 5e, France; f. 1950; Constitution adopted at the XII Congress in Washington 1961; to foster the development of astronautics for peaceful purposes at national and international levels; mems.: national astronautical societies in 34 countries. The XVI Congress is due in Athens in 1965. The IAF has created the International Academy of Astronautics (IAA) and the International Institute of Space Law (IISL) (for information on these bodies, *see* elsewhere in this chapter).

Pres. W. H. PICKERING (U.S.A.); Vice-Pres. M. LUNC (Poland), M. NICOLET (Belgium), R. PESEK (Czechoslovakia), L. I. SEDOV (U.S.S.R.); Gen. Counsel A. G. HALEY (U.S.A.), C. S. DRAPER (U.S.A.), Pres. of IAA, and E. PÉPIN (France), Pres. of IISL. Publs. *Proceedings* of Annual Congresses and *Symposia.*

International Atomic Energy Agency (IAEA), Kaerntnerring, Vienna I, Austria. The Statute of the Agency was unanimously approved by 80 nations meeting at the United Nations headquarters in New York on October 26th, 1956. In May 1964 there were 88 Member States. The Board of Governors consisting of 23 members designated or elected on a technological and regional basis, carries out the functions of the Agency subject to its responsibilities to the General Conference of IAEA.

Established with the aim of accelerating and enlarging the contribution of atomic energy to peace, health and prosperity throughout the world, the International Atomic Energy Agency is authorised to encourage and assist development and practical application of atomic energy for peaceful purposes all over the world; to provide materials, services, equipment and

facilities; to foster the exchange of scientific and technical information on peaceful uses of atomic energy; to encourage the exchange and training of scientists and experts in the field of atomic energy; to establish health and safety standards and safeguards against the military use of any materials and equipment provided through the Agency.

Dir.-Gen. Dr. SIGVARD EKLUND (Sweden).

International Botanical Congress (*Congrès International de Botanique*), Xth Congress, 5 Hope Park Square, Edinburgh, Scotland; f. 1900 to inform botanists of recent progress in the plant sciences; the Nomenclature Section of the Congress attempts to provide a uniform terminology and methodology for the naming of plants; other Sections deal with mycology, plant pathology, genetics and cytology, palæobotany, biochemistry and physiology; mems.: over 3,000 persons attended the IXth Congress.

Hon. Pres. H.M. King GUSTAV VI ADOLF of Sweden; Pres. Prof. H. GODWIN, F.R.S. (Great Britain); Jt. Exec. Secs. Dr. A. J. BROOK and Prof. G. E. FOGG (Great Britain).

International Bureau of Differential Anthropology (*Bureau international d'anthropologie différentielle*), Institut d'Anatomie, Ecole de Médecine de l'Université, 20 rue de l'Ecole de Médecine, Geneva, Switzerland; f. 1950 to encourage scientific research on differential anthropology and gain a better knowledge of the possibilities of progress in this field; maintains a library and documentation centre. Members in 19 countries.

Pres. Prof. P. JOANNON (France); Gen. Sec. Prof. J. A. BAUMAN (Switzerland). Publ. *Anthropologie différentielle et sciences des types constitutionnels humains* (irregular).

International Bureau of Weights and Measures (*Bureau International des Poids et Mesures*), Pavillon de Breteuil, Sèvres, S. et O., France; f. 1875. Objects: Preservation of standards of the International System of Units (SI) and world-wide unification of the units of measurement; determination of national standards; precision measurements in Physics. Thirty-nine member states.

Pres. R. VIEWEG (Germany); Vice-Pres. L. E. HOWLETT (Canada); Sec. J. DE BOER (Netherlands); Dir. JEAN TERRIEN (France). Publs. *Rapport Annuel, Procès-Verbaux des séances du Comité International* (normally every year), *Sessions des Six Comités Consultatifs auprès du Comité International* (every few years), *Récents progrès du Système Métrique* (every few years), *Comptes Rendus des Conférences Générales* (every six years or less), *Travaux et Mémoires* (every few years).

International Commission for Optics (*Commission Internationale d'Optique*), c/o Prof. W. D. WRIGHT, Applied Optics Section, Imperial College, London, S.W.7; to contribute on an international basis to the progress of theoretical and instrumental optics and its application, through conferences, colloquia, summer schools, etc., and to promote international agreement on nomenclature, specifications, etc. Mems.: representatives from 17 countries.

Pres. Prof. A. MARÉCHAL (France); Sec.-Treas. Prof. W. D. WRIGHT.

International Commission for the Scientific Exploration of the Mediterranean Sea (*Commission Internationale pour l'Exploration Scientifique de la Mer Méditerranée*), 59, avenue Raymond Poincaré, Paris 16e, France; f. 1919 for scientific exploration of the Mediterranean Sea, the study of physical and chemical oceanography, fauna and flora, and marine biology; 12 mem. countries.

Pres. H.R.H. PRINCE RAINIER OF MONACO; Sec.-Gen. J. FURNESTIN (France). Publs. *Rapports et Procès-Verbaux, Iconographie de la Faune et de la Flore méditerranéennes, Bulletin de Liaison des Laboratoires.*

International Commission on Tables of Constants (*Commission Internationale des Tables de Constantes*), 250 rue Saint-Jacques, Paris 5e, France; f. 1909. Object: To publish all the constants and numerical data concerning the pure and applied physico-chemical sciences.

Pres. Prof. G. HAENNY (Switzerland); Dir. Mrs. S. ALLARD (France). Publs. Annual Tables.

International Commission on Zoological Nomenclature (*Commission internationale de la nomenclature zoologique*), c/o British Museum (Natural History), Cromwell Road, London, S.W.7.; f. 1895; the Commission is a standing organ of the International Congresses, of which it is the official adviser on all matters relating to zoological nomenclature; the Commission has been granted judicial powers to determine all matters relating to the interpretation of the *International Code of Zoological Nomenclature* and also plenary powers to suspend the operation of the *Code* where the strict application of the *Code* would lead to confusion and instability of nomenclature; the Commission is responsible also for maintaining and developing the *Official List of Generic Names in Zoology* and the *Official List of Specific Names in Zoology*.

Pres. ALDEN H. MILLER (U.S.A.); Acting Sec. W. E. CHINA, C.B.E., SC.D. (U.K.). Publs. *Bulletin of Zoological Nomenclature, Opinions and Declarations rendered by the International Commission on Zoological Nomenclature, Copenhagen Decisions on Zoological Nomenclature, 1953, International Code of Zoological Nomenclature, 1961.*

International Committee for Electrochemical Thermodynamics and Kinetics (*Comité International de Thermodynamique et de Cinétique Electrochimiques (CITCE)*), Dept. of Physical Chemistry, University of Newcastle-upon-Tyne, Newcastle-upon-Tyne 1, England; f. 1949 to promote the free exchange of information in Electrochemistry between all member countries; 415 members; 35 countries.

Pres. Prof. A. N. FRUMKIN, Inst. of Electrochemistry of the Academy of Sciences of the U.S.S.R., Leninsky Prospekt 31, Moscow 71, U.S.S.R.; Gen. Sec. Dr. M. FLEISCHMANN. Publ. *Electrochimica Acta.*

International Computation Centre (*Centre international de calcul*), Palazzo degli Uffici, P.O. Box 10053, Zona dell' EUR, Rome, Italy; f. 1958 to conduct research on mechanical computation methods, to undertake mathematical research, to train specialists, to assist the establishment of national centres and to organise meetings. Mems.: governments of Argentina, Belgium, Cuba, Ecuador, France, Ghana, Greece, Israel, Italy, Japan, Libya, Mexico, United Arab Republic.

Dirs. Prof. C. BERGE (France), A. GERTZ (Israel). Publ. *ICC Bulletin* (quarterly), *International Repertory of Computation Laboratories* (quarterly), *ICC Newsletter* (monthly).

International Council for Bird Preservation, c/o British Museum (Natural History), Cromwell Road, London, S.W.7, England; f. 1922; promotes international conventions for the preservation of birds and stimulates international reaction over the prevention of oil pollution at sea; works for the protection of migratory birds, rare birds and birds in Antartica and Oceania and for the establishment of bird sanctuaries; attacks the use of pesticides toxic to birds; national sections in 58 countries.

Pres. Prof. S. DILLON RIPLEY; Vice-Pres. Prof. A. GHIGI (Italy), W. H. PHELPS, Jr. (Venezuela). Publ. *Bulletin.*

International Council for the Exploration of the Sea (*Conseil international pour l'exploration de la mer*), Charlottenlund Slot, Charlottenlund, Copenhagen, Denmark; f. 1902. Objects: Concerted biological and hydrographical investigations for the promotion of a

planned exploitation of the resources of the sea. Library of 15,000 vols. Membership: Governments of 17 countries.

Gen. Sec. Dr. ARNI FRIDRIKSSON (Reykjavík). Publs. *Journal du Conseil*, *Rapports et Procès-Verbaux*, *Bulletin Statistique*, *Bulletin Hydrographique*, *Annales Biologiques*, etc.

International Federation of Electron Microscope Societies (*Fédération Internationale des Sociétés de Microscopie Electronique*), c/o Lab. v. Technische Natuurkunde, Lorentzweg 1, Delft, Netherlands; f. 1955. Mems.: representative organisations of 15 countries.

Pres. N. HIGASHI (Japan); Sec. Prof. J. B. LE POOLE.

International Foundation of the High-Altitude Research Station, Jungfraujoch (*Fondation internationale de la station scientifique du Jungfraujoch*), 5 Bühlplatz, Berne, Switzerland; f. 1931.

Pres. Prof. A. VON MURALT; Asst. Dr. P. v. TAVEL.

International Geological Congress (*Congrès géologique international*), 22nd Congress: Geological Survey of India, 27 Chowringhee Road, Calcutta 13, India; f. 1878 to contribute to the advancement of investigations relating to the study of the Earth, considered from theoretical and practical points of view; the Congress is held every four years, the next session will be held in Prague, Czechoslovakia in 1968; 2,500 members.

Pres. D. N. WADIA (India); Sec.-Gen. B. C. ROY (India).

International Hydrographic Bureau (*Bureau hydrographique international*), Avenue Président J. F. Kennedy, Monte Carlo; f. 1921. Objects: To establish a close and permanent association among the hydrographic offices of its members; to co-ordinate the hydrographic work of these offices with a view to rendering navigation easier and safer on all the seas of the world; to endeavour to obtain as far as possible uniformity in charts and hydrographic documents; to encourage the adoption of the best methods of conducting hydrographic surveys and improvement in the theory and practice of the science of hydrography; and to encourage surveying in those parts of the world where accurate charts are lacking. Forty-one member states.

Directing Cttee.: Pres. Rear-Admiral C. PIERCE (U.S.A.); Dirs. Vice-Admiral A. VIGLIERI (Italy), Vice-Admiral A. DOS SANTOS FRANCO (Brazil). Publs. *The International Hydrographic Review* (twice yearly), *International Hydrographic Bulletin* (monthly), special publications on various technical subjects, all in English and French, *General Bathymetric Chart of the Oceans* (in 24 sheets).

International Institute of Embryology (*Institut international d'embryologie*), c/o Hubrecht Laboratory, Universiteitscentrum "De Uithof", Utrecht, Netherlands; f. 1911. Objects: To promote the study of morphogenesis and to promote international co-operation among the investigators in this field; since 1947 the Institute has been the Embryological Section of the International Union of Biological Sciences (*q.v.*); the Hubrecht Laboratory is an International Research Laboratory for descriptive and experimental embryology, and has a Central Embryological Library (30,000 reprints) and a collection of embryological slides and material; 315 members.

Pres. ET. C. WOLFF (France); Sec.-Treas. Prof. A. MONROY (Italy); Dir. Prof. P. D. NIEUWKOOP. Publ. *General Embryological Information Service* (biennial).

International Institute of Seismology and Earthquake Engineering, Building Research Institute, Ministry of Construction, 4 Hyakunin-cho, Shinjuku-ku, Tokyo, Japan; f. 1962. Object: To carry out training and research works on seismology and earthquake engineering for the purpose of reducing earthquake damage in the world. The main activites are to train the seismologists and earthquake engineers from the seismic countries and to undertake survey, research, guidance and analysis of information on earthquakes and their related matters. Mems. 18 countries.

Dir. Dr. S. OMOTE (acting).

International Institute of Theoretical Sciences (*Institut international des sciences théoriques*), 221 avenue de Tervueren, Brussels 15, Belgium; f. 1944.

Dir. S. I. DOCKX. Publ. *Archives* (irregular).

International Isostatic Institute (*Institut isostatique international*), Aurorankatu 7, Helsinki, Finland; f. 1936 at the Assembly of the International Union of Geodesy and Geophysics. Objects: To carry out a systematic and uniform topographic isostatic reduction of gravity measurement made throughout the world and to study the geoid and isostatic structure of the earth's crust. The institute is financed by UNESCO (20 per cent) and the Government of Finland (80 per cent).

Dir. Prof. W. A. HEISKANEN (Finland). Publs. are financed by the Finnish Academy of Sciences.

International Mineralogical Association, Castellana 84, Madrid, Spain; f. 1958 to further international co-operation in the science of mineralogy. Mems.: national societies in Austria, Belgium, Bulgaria, Canada, Czechoslovakia, Denmark, Egypt, Finland, France, Germany, Great Britain, India, Italy, Japan, Netherlands, Norway, Spain, Sweden, Switzerland, U.S.S.R., U.S.A.

Pres. D. JEROME FISHER; Sec. Prof. J. L. AMOROS (Spain).

International Organisation of Legal Metrology (*Organisation internationale de metrologie légale*), 11 rue Turgot, Paris 9e, France; f. 1955 to serve as documentation and information centre on methods of verifying and checking measurements, to study ways of standardisation and to determine the general principles of legal metrology. Mems.: governments of 34 countries.

Pres. Dr. J. STULLA-GÖTZ (Austria); Dir. M. COSTAMAGNA (France).

International Ornithological Congress (*Congrès International Ornithologique*), c/o Dept. of Zoology, Parks Road, Oxford, England; f. 1884.

Pres. Dr. D. LACK (U.K.); Sec.-Gen. Dr. N. TINBERGEN.

International Palaeontological Union (*Union internationale de paléontologie*), 74 rue de la Fédération, Paris 15e, France; f. 1933 following the meeting of the International Geological Congress, to which the Union is affiliated.

Pres. Prof. SAHNI (India); Sec. Dr. TEWARI (India).

International Polar Motion Service (*Service international du Mouvement Polaire*), replacing in 1962 the International Latitude Service, founded in 1899. Object: To make observations in the latitude and time stations all over the world for the study of all problems relating to the polar motion. Central Bureau of the Service collects astronomical observations, determines motion and distributes data and results obtained.

Dir. S. YUMI, Central Bureau of the IPMS, International Latitude Observatory of Mizusawa, Iwateken, Japan.

International Society for Cell Biology (*Société internationale de Biologie cellulaire*); f. 1947.

Pres. P. WEISS; Sec. Dr. R. ROBINEAUX, Centre de Recherches d'Immunopathologie, Service de Cytopathologie expérimentale, Hôpital St. Antoine, Paris 12e, France; Treas. Prof. M. CHEVREMONT.

International Society for Human and Animal Mycology (ISHAM) (*Société Internationale de Mycologie Humaine et Animale*), Institut de Médecine Tropicale, 155 rue Nationale, Antwerp, Belgium; f. 1954; to pursue the study of fungi living on man and animals. Mems.: 438 from 52 countries.

Pres. Dr. CONANT (U.S.A.); Sec.-Gen. Dr. R. VANBREUSEGHEM (Belgium).

International Society for Plant Geography and Ecology (*Association Internationale de Phytosociologie*), c/o Prof. Dr. Dr. h.c. REINHOLD TÜXEN, 3261 Todenmann über Rinteln, Germany; f. 1937; 400 members.

Pres. Prof. Dr. Dr. h.c. J. LEBRUN (Belgium); Sec. Prof. Dr. REINHOLD TÜXEN. Publ. *Vegetatio*.

International Society of Biometeorology, Hofbrouckerlaan 54, Oegstgeest (Leiden), Netherlands; f. 1956. Aims: to unite all biometeorologists working in the fields of Agriculture, Botanical, Cosmic, Entomological, Forest, Human, Veterinarian, Zoological and other branches of Biometeorology. Mems.: 550 individuals, nationals of 49 countries.

Pres. Prof. F. SARGENT (U.S.A.); Sec.-Treas. Dr. S. W. TROMP (Netherlands). Publ. *International Journal of Biometeorology* (7 vols. from 1957).

International Speleological Congresses (*Congrès Internationaux de Spéléologie*), c/o Prof. FRANCO ANELLI, University of Bari, Palazzo Ateneo, Bari, Italy; f. 1958; over 200 individuals.

Pres. MICHELE GORTANI (Italy); Sec.-Gen. FRANCO ANELLI.

International Statistical Institute (*Institut international de statistique*), Oostduinlaan 2, The Hague, Netherlands; f. 1885; the International Statistical Institute is an autonomous society devoted to the development and improvement of statistical methods and their application throughout the world; 5 hon. mems.; 360 ordinary mems.; 100 *ex-officio* mems.; 22 affiliated organisations; administers among others statistical education centres in Calcutta and Beirut in co-operation with UNESCO.

Pres. Sir HARRY CAMPION (U.K.); Sec.-Gen. PH. J. IDENBURG (Netherlands); Dir. Permanent Office E. LUNENBERG. Publs. *Review of the International Statistical Institute* (3 issues per year), *Bulletin de l'Institut International deStatistique* (proceedings of biennial sessions), *Statistical Theory and Methods Abstracts* (4 issues per year), *International Statistics of Large Towns* (5 series), *International Statistical Yearbook of Large Towns, A History of the ISI 1885–1960*.

International Time Bureau (*Bureau international de l'heure*), 61 avenue de l'Observatoire, Paris 14e, France; f. 1912 for the transmission of accurate ttme signals based on astronomical observations. Membership: Research Councils in 41 countries.

Dir. Dr. J. F. DENISSE (Dir. of the Paris Observatory); Head of Services Dr. B. GUINOT (Astronomer, Paris Observatory). Publ. *Bulletin Horaire*.

International Postgraduate Training Centre for Geology, Vienna III, Rasumofskyasse 23, Austria; f. 1964; 6-9 months training courses, especially for teachers and research workers, in geology; controlled by the Austrian Ministry of Education.

International Union for Conservation of Nature and Natural Resources (*Union Internationale pour la Conservation de la Nature et de ses Ressources*), Morges (Vaud), Switzerland; f. 1948 to facilitate co-operation between governments and national and international organisations in the field of conservation, to promote scientific research and to disseminate information and principles and techniques of conservation; promotes the perpetuation of renewable natural resources; conducts programmes of conservation education in Africa, Middle East and Southern Asia; maintains a conservation library and a documentation centre. Mems.: six international organisations, governments of 17 countries, 22 government departments and 220 national societies in 60 countries.

Pres. Prof. F. BOURLIÈRE (France); Sec.-Gen. Sir HUGH F. I. ELLIOTT (U.K.) (acting). Publs. *Bulletin* (quarterly), *Annual Report*, Proceedings and Technical Papers.

International Union for the Study of Social Insects (*Union Internationale pour l'Etude des Insectes Sociaux*), Laboratoire d'Evolution des Etres Organisés, 105 boulevard Raspail, Paris 6e; f. 1951. Mems.: over 400 individuals from 24 countries.

Pres. P. P. GRASSÉ; Sec. J. LECOMTE. Publ. *Insectes sociaux*.

International Wildfowl Research Bureau (*Bureau International de Recherches sur la Sauvagine*), c/o Station Biologique de la Tour du Valat, par Le Sambuc, B.d. Rh., France; f. 1947 to promote research on and conservation of wildfowl; 20 mem. countries.

Hon. Dir. Dr. LUC HOFFMANN; Asst. Dir. HAYO H. HOEKSTRA. Publs. *Newsletter* (six-monthly) and special volumes.

Oceanographic Institute (*Institut océanographique*), 195 rue Saint-Jacques, Paris 5e, France.

Dir. Prof. M. FONTAINE; Sec. R. RICHET.

Pacific Science Association (*Association Scientifique du Pacifique*), Bishop Museum, Honolulu, Hawaii 96819; f. 1920 to co-operate in the study of scientific problems relating to the Pacific region; associations from 49 countries and territories.

Permanent Sec. BRENDA BISHOP (New Zealand). Publs. *Information Bulletin*.

Pan-American Institute of Geography and History, Ex-Arzobispado 29, Mexico 18, D.F., Mexico; f. 1929; membership: the nations of the Organisation of American States; for the stimulation and co-ordination of cartographic, geographic and related work in the Western hemisphere.

Pres. Gen. VICTOR H. J. HOSKING (Argentine); Sec.-Gen. Arq. IGNACIO MARQUINA (Mexico). Publs. *Revista de Historia de América, Boletin Bibliográfico de Antropologia Americana, Revista Geográfica, Revista Cartográfica, Folklore Americano, Boletin del Comite de Archivos, Bibliographical Bulletin of American Oceanography and Geophysics, Revista de la Historia de las Ideas, Boletin Aereo*.

Permanent Committee of the International Congress of Entomology (*Comité permanent du congrès international d'entomologie*), Zoologisch Laboratorium, Kaiserstraat 63, Leiden, Netherlands; f. 1910 to act as a link between periodic congresses and to arrange the venue for each congress; the committee is also the entomology section of the International Union of Biological Sciences.

Pres. N. D. RILEY, C.B.E. (Great Britain); Sec. Prof. Dr. D. J. KUENEN (Netherlands). Publ. *Proceedings* (after each Congress).

Permanent Committee of International Zoological Congresses (*Comité permanent des congrès internationaux de zoologie*), f. 1889 to allow personal contacts between zoologists of all countries and discussion of zoological problems.

Pres. Prof. R. SPARCK (Denmark); Sec.-Gen. Prof. P.-P. GRASSÉ, 105 Boulevard Raspail, Paris 6e, France. Publ. *Proceedings of Congresses*.

Permanent International Committee for Genetics Congresses (*Comité permanent des congrès internationaux de génétique*, The Genetics Section of the I.U.B.S.), Biological Laboratory, The University, Kyoto, Japan; 18 mem. countries.

Pres. Prof. Dr. C. L. RÜMKE (Belgium); Sec. Prof. K. YAMASHITA (Japan).

World Academy of Art and Science: 1 Ruppin Street, Rehovot, Israel; f. 1960; a forum for discussion of important topics by distinguished scientists; to act as an objective advisory body; 300 mems.

Pres. Lord JOHN BOYD ORR (U.K.); Vice-Pres. STUART MUDD (U.S.A.), HERMANN JOSEPH MULLER (U.S.A.), HUGO OSVALD (Sweden); Hon. Sec.-Gen. HUGO BOYKO (Israel); Hon. Sec. LLOYD MORAIN (U.S.A.). Publs. Vol. I, *Science and the Future of Mankind*, Vol. II, *The Population Crisis and the Use of World Resources.*

World Meteorological Organisation (*Organisation Météorologique Mondiale*), Secretariat: 41 Avenue Giuseppe-Motta, Geneva, Switzerland; f. 1951. Objects: World-wide co-operation in making meteorological observations and in standardising their publication, promotion of rapid weather information services, application of meteorology to human activities, encouragement of research and training in meteorology; mems.: 126 states and territories maintaining their own meteorological services. Constituent bodies: Congress, Executive Committee, six regional associations, eight technical commissions.

Pres. Dr. ALF NYBERG (Sweden); Sec.-Gen. D. A. DAVIES (U.K.). Publs. Reports of meetings of constituent bodies, Regulations, Technical Manuals and Notes, *International Cloud Atlas*, and a quarterly bulletin.

AFGHANISTAN

Population 14,994,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Pakhtu-Tolena (*Afghan Academy*): Sher Alikhan Street, Kabul; f. 1931; the objects of the society are to study the Pashtu language and literature and to popularise it throughout Afghanistan; Pres. POHAND RSHTEENE; publs. *Kabul* (monthly) and *Zery* (weekly newspaper).

Members of the Academy:

HAKIM, HELALI ABDUL	SABIT, MOHAMMED IBRAHIM
KAKAR, M. YOUSUF	SADAKAT, ABDUL WAKIL
KAKER, MOHAMMED HASSAN	SA'DUDDIN, SHPOON
LODIN, DAWLAT MOHAMMED	SAIFI, AZIZURRAHMAN
MO'TAMED, M. AKBAR	TAZHAI, HABIBULLAH
PAKHTUN MAL, AZIZULLAH	UTMAN, MOHAMMED ALIM
PATWAL, M. MOMEN	WASE'I, ABDUL KHALIQ
PAWLAD, SAIDAL SHAH	ZADRAN, M. ZAHIR
RESHAD, ABDUSHUKOUR	ZHWAK, MOHAMMED DIN
ROHI, M. SIDIQ	

Honorary Members of the Academy:

BENAWA, ABDURRAOUF	MAIWANDWAL, MOHAMMED HASHIM
DAWI, ABDUL HADI	MAJROOH, SAYYED BAHAU'DDIN
GRAN, ANWARUL HAQ	MAJROOH, SAYYED SHAMSUDDIN
ILHAM, M. RAHEEM	PAZHWAK, ABDURRAHMAN
JALALI, GHULAM JELANI	SALIMI, MOHAMMED ARSALAN
KAKAKHEL, MOHAMMED SHAH KHYAL	SHAFEEQ, M. MOSA
KHOGYANAI, MOHAMMED AMIN	TARAKI, MOHAMMED KADEER

Honorary Foreign Members:

Prof. G. MORGENSTIERNE (Norway)	Prof. DOVRIANKOV (U.S.S.R.)

Anjumane Tareekh (*Historical Society*): Kabul; f. 1954; objects of the society are to study the history of Afghanistan and present it correctly to the outside world; Pres. Dr. ABDUL RAHIM ZIAI; Hon. Pres. SARDA MOHAMMED NAIM; publs. *Aryana* (monthly in Persian) and *Afghanistan* (English and French quarterly).

Members:

MOHAMMED YUNUS MURAD	MOHAMMED ANWAR NAIR
MOHAMMED SARWAR HOMAYOON	Miss WASIMA HAKIMI
Sultan ALI RAZAWI	Mrs. RUKIA ABUBAKR

Honorary Members:

ABDURRAOUF BENAWA	SAYYED KASSIM RISHTYA
KHALILULLAH KHALILI	Dr. FAROOK ETEMADI
FIKRI SALJOOKI	DR. MIR NAJMUDDIN ANSARI
Prof. MOHAMMED ALI	

Honorary Foreign Members:

Prof. SCHLUMBERGER (France)	Prof. TUCCI (Italy)
	Prof. FLETCHER (U.S.A.)

Goethe Institut: c/o German Embassy, P.O.B. 83, Kabul; f. 1962; Dir. S. WEICHSEL.

Institute of Cartography: Ministry of Defence, Kabul; Dir. AMIR AHMED.

U.A.R. Cultural Centre: P.O. Box 100, Kabul; library and reading room.

U.S. Cultural Center: Shahri-Nau, Kabul.

LIBRARIES

Institute of Education Library: Kabul University, Kabul; Dir. MOHAMMED ALI DASTAGIRZADA.

Library of the Habibia High School: Kabul.

Library of the National Bank: Kabul.

Library of the Press Department: Kabul; f. 1931; 28,000 vols. and 800 MSS. in Persian, Arabic and Pashtu languages; Dir. MOHAMMED SARWAR RONA.

Library of the Royal Palace: Kabul.

Public Library: Kabul; attached to the Ministry of Education; f. 1920; 60,000 vols., 433 MSS., 30 current periodicals; research library.

University Library: Kabul.

Women's Welfare Society Library: Kabul.

MUSEUMS

Bamyan Museum: Bamyan.

Ghazni Museum: Ghazni.

Herat Museum: Herat.

Kabul Museum: Kabul; f. 1922; contains archaeological collections of the prehistoric, Greco-Roman, Buddhic and Islamic periods; coin collections; Persian, Arabic and Pashtu MSS.; ethnographical collections; Dir. A. A. MOTAMEDI.

Kandahar Museum: Kandahar.

Maimana Museum: Maimana.

Mazar-i-Sharif Museum: Mazar-i- Sharif.

UNIVERSITIES

KABUL UNIVERSITY

KABUL

Founded 1931.

Rector: Dr. S. HAMED.
Vice-President: Dr. ABDUL WAHID SARABI.
Registrar: MOHAMMED HAIDAR MIAKHEL.

Number of teachers: 293.
Number of students: 2,504.

Publications: *Political Science and Law Quarterly, Literature Quarterly.*

DEANS:

Faculty of Letters: GHOLAM HASSAN MAJADDEDI.
Faculty of Medicine: Dr. ABDUL SAMAD SERAJ.
Faculty of Law: Dr. HAMIDULLAH.
Faculty of Science: Dr. A. G. KARKAR.
Faculty of Economics: Dr. ABDUL WAHID SARABI.
Faculty of Engineering and Agriculture: Dr. MOHAMMED YASIN AZIM.
Faculty of Home Economics: Miss KUBRA NOORZAI.
Faculty of Theology: (Vacant).
Institute of Education: TORYALI ETIMADI.

FULL PROFESSORS:

Faculty of Letters:
BETAB, ABDUL HAQ (Persian).
FARUK, GHULAM (History).
RISHTIN, SEDIKULLAH (Pashtu Literature).
ZIAI, ABDUL HAKIM (Sociology).

Faculty of Medicine:
AHMED, ALI (Mental Health).
HIKMAT, SAMED ALI (Internal Medicine).
MOHAMMED, SAID (Surgery).
ZIA, AHMED (Child Medicine).

Faculty of Law:
RAHIMI, GHULAM SAWAR (Public Finance).
ZIAI, ABDUL HAKIM (Sociology).

Faculty of Science:
ANWAR, M. (Inorganic Chemistry).
ANWAR, ALI (Industrial Chemistry).
KARKAR, ABDUL GHAFAR (Mathematics).
NASSERÍ, ABDULLAH (Geology).
ZIAI, ABDUL AZIM (Physics).

Faculty of Economics:
GHAUSSI, M. AREF (Agricultural Economics).
SARABI, ABDUL WAHID (Accounting).
SHARAF, S. S. (History of Economic Thought).

Faculty of Engineering and Agriculture:
ALEKOZI, SHAH MOHAMMED (Botany).
KURAISHI, MALIK MOHAMMED (Physics).
NATIK, GHOLAM NABI (Constructions).
TALWAR, GUL MOHAMMED (Agriculture).

Faculty of Theology:
KABIR, MOHAMMED (Arabic Literature and Grammar).
LATIF, ABDUL (Civil Law).
MOHAMMED, GHULAM (Instructions of Mohammed).
SUFDAR, GHULAM (Arabic Grammar).

UNIVERSITY OF NANGRAHAR

NANGRAHAR POHANTOON, JELAL ABAD
Telephone: Central: Jelal Abad

Founded 1963

Chancellor: Dr. S. HAMED.
Rector: S. A. K. BAHA, M.D.
Registrar: M. S. ANSARY.
Librarian: M. HASHEM, M.D.

Number of teachers: 12.
Number of students: 70.

DEAN:

Faculty of Medicine: S. A. K. BAHA, M.D.

No further faculties have so far been established.

COLLEGES

Afghan Institute of Technology: Kabul; f. 1951; secondary level technical school; courses in Civil Aviation, Civil, Mechanical and Electrical Engineering; library.

Darul Mo' Allemein (D.M.A.) (*Teachers' Training College*): Kabul; f. 1913; number of students 3,000.

Institute of Arabic and Religious Study: Kabul.

Other centres of religious study include: the Najmul-Madares, Nangarhar; the Jamé and Fakhrul Madares, Herat; the Asadia Madrasa, Mazir-i-Sharif; the Takharistan Madrasa, Kunduz; the Zahir Shahi Madrasa, Maimana.

Institute of Industrial Administration: Kabul; open to graduates of the School of Commerce.

Kabul Art School: Bibi Mahro, nr. Kabul; music, painting and sculpture courses.

School of Agriculture: Kabul; f. 1924.

School of Commerce: Kabul; f. 1943; banking, commercial law, economics, business administration, finance.

School of Mechanics: Kabul; for apprentice trainees.

Teachers' Training Schools: Kandahar, f. 1956; Jalalabad, f. 1956; Herat, f. 1957; Khost.

ALBANIA

Population 1,814,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Institute of Sciences: attached to the State University of Tirana; teaches science, the arts and national culture, including studies of Albanian flora and fauna, geology, literature, language and folklore (publishing a dictionary of the Albanian language and histories of Albania and Albanian literature).

Institute of Agricultural Research "Mitchourine": Lushnje; f. 1947; agricultural research centre run by the Ministry of Agriculture; Dir. MENTOR PERMETI.

League of Artists and Writers: Tirana; f. 1957, as joint organisation for artists and writers; Pres. DHIMITER SHOUTERIQI.

Albanian Committee for Cultural Relations Abroad: Tirana; Pres. MISTO TRESKA.

Association of Scientific Workers of the R.P. of Albania: attached to the State University of Tirana; Pres. KOL PAPARISTO; Sec. ISMET ELEZI.

LIBRARIES

National Library: Tirana; f. 1922; 450,000 vols.; Dir. MARIKA VOGLI.

Shkodra Public Library (Scutari): 85,100 vols.; Dir. MAHMUD KOTRI.

Elbasan Public Library: 54,000 vols.; Dir NEXHIJE GJERGO.

Durrës Public Library: 53,000 vols.; Dir. PERTEF KRUJA.

Korça Public Library: 40,000 vols.; Dir. AGIME DERVISHI.

Gjirkastër Public Library: 35,000 vols.; Dir. VANGJEL KOZMAJ.

University Library: Tirana; 171,150 vols.; Dir. MIHAL HANXHARI.

MUSEUMS

Archaeological Museum: Tirana; attached to the University of Tirana; f. 1948; exhibits of the palaeolithic, neolithic and bronze ages; objects of the Illyrian culture, the iron age, and of the Greek and Roman periods of colonisation; Albanian exhibits from the Middle Ages.

Ethnographical Museum: Tirana; attached to the University of Tirana; f. 1948; exhibits include agricultural tools of all periods, stock-breeding equipment, interiors and exteriors and household objects, textiles and costumes, local craftsmanship and ceramics.

Museum of the Struggle for National Liberation: Tirana; f. 1949; exhibits trace the history of the Albanian people from the struggles against the Ottomans to the present day; Dir. VASO BOCHNIAKOU.

Natural Science Museum: Tirana; attached to the University of Tirana; exhibits relating to biology, geology, and botany.

Lenin-Stalin Museum: Tirana; f. 1954; Dir. BALLKIZ HAXHIHYSENI.

PROVINCIAL MUSEUMS

Gjirokastër Museum: a fortress museum; Dir. LEFTER DILO.

Bérat Museum: f. 1958; exhibits include historical documents; Dir. TODI SOTIRAJ.

Durrës Museum: archæological and historical exhibits; Dir. VANDJEL TOÇI.

Elbasan Museum: installed in the inside of a fortress; historical and natural collections; Dir. THANAS KONOMI.

Fier Museum: exhibits include archæological items from the former town of Apollonia; Dir. GORI SOTA.

Korça Museum: local history and ethnography; Dir. EMIN SELENITZA.

Shkodra (Scutari) **Museum:** ethnographical and historical collection of the town and province from neolithic times; Dir. VASIL LLAZARI.

Vlora Museum: contains many historical documents; Dir. NAIL SHEHU.

UNIVERSITY

STATE UNIVERSITY OF TIRANA
(Universiteti Shtetëror i Tiranës)

Founded 1957.

Rector: KAHREMAN YLLI.

Vice-Rectors: Doc. HASAN DUMA, Prof. KOL PAPARISTO, Doc. ZIJA KËLLIÇI.

Number of teachers: 352, including 65 professors.

Number of students: 4,142 (day), 3,596 (night and correspondence).

DEANS:

Faculty of Natural Science: Prof. KOL POPA.
Faculty of Engineering: Doc. KIÇO NEGOVANI.
Faculty of Medicine: Dr. HIQMET DIBRA.
Faculty of History and Philology: Doc. MENTAR BELEGU.
Faculty of Law: Doc. LUAN OMARI.
Faculty of Economics: Doc. DEKO RUSI.
Faculty of Geology: REXHEP REKA.

ATTACHED INSTITUTE:

Institute of Scientific Research in History and Philology: Doc. ANDROKLI KOSTALLARI.

HIGHER INSTITUTES

Higher State Institute of Agriculture: Tirana; f. 1951; library of 60,000 vols.; Dir. GAQO TACHKO.

Number of teachers: 69.
Number of students: 725.

DEANS:

Faculty of Agronomy: M. PENGILI.
Faculty of Veterinary Science: V. TAGARI.
Faculty of Forestry Engineering: L. TRESKAR.

Institute of Zootechnics: Shkodër; f. 1947; study and experimental centre; Dir. TARE ÇELO.

Institute of Education: Tirana; Dir. ENGJELL ANGONI.

Institute of Folklore, Musical and Oral: Tirana; f. 1960; Dir. ZIHNI SAKO.

School of Art: Tirana; f. 1959; Dir. ANDREA MALO.

ALGERIA

Population 11,400,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council: 6 avenue Souidani Boudjemaa, Algiers; Rep. C. W. FYFIELD, O.B.E.

Centre de Recherches Anthropologiques, Préhistoriques et Ethnographiques (C.R.A.P.E.): 3 rue Franklin Roosevelt, Algiers; f. 1957; Dir. and Curator G. CAMPS.

Goethe Institut: Centre Culturel Allemand, 165 chemin Laperlier, Algiers; f. 1963; Dir. Dr. W. KÄMPFER.

Institut Pasteur d'Algérie: Algiers; f. 1910; conducts research into microbiology and parasitology according to Pasteur's theories; higher study of microbiology and parasitology; preparation of vaccines in conjunction with the health services of Algeria; 123 mems.; the library contains 42,720 vols., 420 periodicals; Dir. Dr. R. NÉEL; Sec.-Gen. Dr. J. ORIO; publ. *Archives de l'Institut Pasteur d'Algérie.*

Istituto Italiano di Cultura: 7 rue Hamami, Algiers; f. 1964; Dir. Prof. MANRICO FIORE.

Mission Culturelle Française en Algérie: quartier Arnaud de Vitrolles, rue Shakespeare, Le Golf, Algiers; co-operates with the Algerian Government in educational and cultural matters, particularly at university level; Dir. M. REBEYROL.

Office Universitaire et Culturel Français: Lycée Descartes, avenue de Pékin, Algiers; French state organisation which administers a large proportion of the schools and colleges in Algeria; nearly 1,500 teachers were provided through the auspices of the Office in 1964–65; Dir. M. G. GRAND, Inspector General.

Société Archéologique du Département de Constantine: Musée Gustave Mercier, Constantine; f. 1852; 250 mems.; library of 10,000 vols.; Pres. M. BERTHIER; Sec. H. TOUZÈNE; Librarian G. PÉGUIN; publ. *Recueil des Notices et Mémoires de la Société Archéologique de Constantine.*

Société Historique Algérienne: c/o The Faculty of Arts, University of Algiers; f. 1856; number of members, 400; publ. *Revue Africaine.*

LIBRARIES

Algiers

Bibliothèque Nationale: avenue Frantz Fanon; more than 600,000 vols., including important collections on Africa; provides public lecture service in Algeria; Librarian MAHMOUD-AGHA BOUAYED.

Bibliothèque de l'Université: 2 rue Didouche Mourad, Algiers; f. 1887; 400,000 vols.; a large part of the bookstock was destroyed in the fire of June 1962 but, thanks to numerous gifts from different countries, much of the collection has been replaced; Librarian Mlle. ZOULIKHA BEKADDOUR.

Constantine

Bibliothèque Municipale: Hôtel de Ville; f. 1895; 25,000 vols.

Oran

Bibliothèque Aubert.

MUSEUMS

Algiers

Musée de Préhistoire et d'Ethnographie du Bardo (*Prehistory and Ethnographic Museum*): 3 avenue Franklin Roosevelt; f. 1928; Dir. and Curator G. CAMPS.

Musée National des Beaux Arts d'Alger (*National Museum of Algiers*): Jardin d'Essai; f. 1930; exhibits include paintings, drawings, etchings, bronzes, reliefs; Dir. Prof. JEAN ALAZARD; publs. *Catalogue of Paintings, Sculptures* (Editor Prof. JEAN ALAZARD), *Etudes d'Art* (Vol. I, 1945; Vol. II, 1946; Vol. III, 1948; one volume annually since).

Musée National Stéphane Gsell: Parc de la Liberté; f. 1897; exhibits include Algerian antiquities and Islamic art; Dir. MOHAMMED TEMMAM; publs. *Le Musée Stéphane Gsell, L'Art Musulman.*

Musée Savorgnan de Brazza: 56 avenue Foureau Lamy; relics from the explorer's expedition, Negro art; Dir. Comte CHARLES SAVORGNAN DE BRAZZA.

Constantine

Musée Gustave Mercier: Boulevard de la 3e. D.I.A.; f. 1930; archæological exhibits and art; Dir. and Curator ANDRÉ BERTHIER.

Oran

Musée Municipal Demaeght: Boulevard Paul Doumer; prehistory, Roman and Punic archæology, ethnography, zoology, geology, botany, sculpture and painting; Dir. and Curator G. VUILLEMOT; publs. *Catalogues, Livret Guide.*

Musée de Tlemcen: Place d'Alger; exhibits of Musulman art.

Philippeville

Musée de Philippeville: Punic and Roman antiquities; modern art; awaiting new permanent premises.

Sétif

Musée de Sétif: Roman antiques.

UNIVERSITY AND COLLEGES

UNIVERSITÉ D'ALGER

2 RUE DIDOUCHE MOURAD, ALGIERS

Telephone: 66 14 95

Founded 1879 (reorganised 1909)

Pro-Rector: A. OUABDESSELAM.

Number of students (1965): 6,888 (excluding Faculty of Medicine).

FACULTIES:

Faculty of Law and Economic Sciences.
Faculty of Medicine and Pharmacy.
Faculty of Letters and Human Sciences.
Faculty of Science.

UNIVERSITY INSTITUTES:

Institut de Recherches Sahariennes, Institut de Géographie, Institut d'Urbanisme, Institut d'Etudes Arabes, Institut d'Ethnologie, Institut d'Etudes Orientales, Ecole Supérieure du Journalisme, Ecole Supérieure d'Interprétariat, Ecole Normale Supérieure, Institut d'Etudes Slaves, Institut d'Etudes Philosophiques, Institut d'Etudes Politiques, Institut de la Gestion et de la Planification, Centre de Recherches Africaines, Institut d'Etudes Nucléaires, Institut Océanographique, Centre Anti-Cancéreux "Pierre et Marie Curie", Observatoire Alger-Bouzaréah, Institut de Cartographie, Institut de Météorologie et de Physique du Globe, Institut de la Promotion Supérieure du Travail, Institut de l'Energie Solaire, Institut de Psychotechnique et de Biométrie, Institut d'Odonto-Stomatologie, Institut du Trachôme et d'Ophtalmologie Tropicale, Institut d'Hygiène et de Médecine d'Outre-Mer, Institut de Biochimie Générale et de Biochimie de la Nutrition.

The Faculty of Engineering consists of:

École Nationale Polytechnique: El-Harrach, Algiers 10; f. 1925 as the Institut Industriel d'Algérie, became the Ecole Nationale Polytechnique in 1962.

Principal: M. AOUDJHANE.

Number of students (1965): 300.

Civil Engineering, Electro-technics, Telecommunications, Chemical Engineering, and Petro-Chemistry, Mechanics, Applied Mathematics and Econometrics, Building.

UNIVERSITY CENTRES

CENTRE UNIVERSITAIRE DE CONSTANTINE

RUE BEN M'HIDI, CONSTANTINE

Founded 1961

Comprises Institut d'Etudes Juridiques, Ecole Nationale de Médecine et de Pharmacie, and the Collège Scientifique.

CENTRE UNIVERSITAIRE D'ORAN

RUE DU COLONEL LOFTI, ORAN

Founded 1961

Comprises Institut d'Etudes Juridiques and Ecole Nationale de Médecine et de Pharmacie.

Enseignement Supérieur Musulman en Algérie: Médersa de Constantine; f. 1895; library contains 6,000 vols., 66 students; publs. *Publications de la Faculté des Lettres d'Alger, Journal des Africanistes, Journal Antique, Journal des Savants, Comptes rendus de l'Académie des Inscriptions et Beaux Arts.*

L'École Nationale d'Architecture et des Beaux-Arts: Parc Gatliff, Algiers.

L'École Nationale de la Marine Marchand: rue d'Angkor Algiers.

École Supérieure de Commerce d'Alger: Rampe F. Chasseriau, Algiers.

Institut Agricole d'Algérie: El Harrach, Algiers; f. 1905; 27 teachers; 111 students.

ARGENTINA

Population 21,926,800

ACADEMIES

ACADEMIES

Buenos Aires

Academia Argentina de Letras (*Argentine Academy of Letters*): Sánchez de Bustamante 2663; f. 1931; Pres. RAFAEL ALBERTO ARRIETA; Sec. LEONIDAS DE VEDIA; Treas. CARMELO M. BONET; mems.: ENRIQUE BANCHS, ARTURO MARASSO, BERNARDO A. HOUSSAY, ROBERTO F. GIUSTI, ATILIO DELL'ORO MAINI, ARTURO CAPDEVILA, FRANCISCO LUIS BERNÁRDEZ, Pbro. RODOLFO M. RAGUCCI, S.D.B., RICARDO SÁENZ HAYES, JORGE LUIS BORGES, FERMÍN ESTRELLA GUTIÉRREZ, MANUEL MUJICA LÁINEZ, LUIS ALFONSO, ALFONSO DE LAFERRÈRE, JORGE MAX ROHDE, ANGEL J. BATTISTESSA, EDUARDO MALLEA, JOSÉ A. ORÍA, PEDRO MIGUEL OBLIGADO, ALFREDO DE LA GUARDIA; 28 corresponding mems.; publs. *Serie de Clásicos Argentinos, Serie de Estudios Académicos, Discursos Académicos, Acuerdos acerca del Idioma, Boletín*; library.

Academia Nacional de Ciencias de Buenos Aires (*National Academy of Sciences of Buenos Aires*): Leandro N. Alem 651, 7° piso; f. 1937; 29 mems.; Pres. Dr. HORACIO C. RIVAROLA; Sec. Ing. Dr. MANUEL F. CASTELLO.

Academia Nacional de Ciencias Exactas, Físicas y Naturales (*National Academy of Exact, Physical and Natural Sciences*): Las Heras 2545; f. 1874; 29 mems.; Pres. Dr. ABEL SÁNCHEZ DÍAZ; Secs. Dr. LUIS F. LELOIR; Ing. ENRIQUE P. CANEPA; publs. *Anales, Revista Darwinia, Memoria*.

Academia Nacional de Derecho y Ciencias Sociales (*National Academy of Law and Social Sciences*): Avda. Presidente Figueroa Alcorta 2263; f. 1874; 25 mems.; Pres. Dr. ATILIO DELL' ORO MAINI; Secs. Dr. JUAN SILVA RIESTRA, Dr. ALBERTO G. PADILLA; publ. *Anales*.

Academia Nacional de Bellas Artes (*National Academy of Fine Arts*): Sánchez de Bustamante 2663; f. 1936; 24 mems.; Pres. Arq. MARTÍN NOEL; Sec.-Gen. Arq. ALBERTO PREBISCH; publs. numerous books.

Academia de Agronomia y Veterinaria (*Academy of Agronomy and Veterinary Science*): Arenales 1678; 22 mems.; Pres. Ing. Agric. JOSÉ MARÍA BUSTILLO; Sec.-Gen. Prof. Dr. JOSÉ R. SERRES.

Academia de Ciencias Económicas (*Academy of Economics*): Avda. Alvear 1790; f. 1914; 27 mems.; library of 12,575 vols.; Pres. Dr. ALFREDO LABOUGLE; Sec. Dr. PEDRO J. BAIOCCO; publs. *Anales* and special editions.

Academia Nacional de la Historia (*National Academy of History*): San Martín 336; 38 mems., 120 foreign corresp. mems.; Pres. (Vacant); Sec. RICARDO PICCIRILLI; has edited, under Dr. Levene's direction, the *Historia de la Nación Argentina*; publs. *Boletín de la Academia Nacional de la Historia* and also papers and theses.

Academia Nacional de Medicina (*National Academy of Medicine*): Las Heras 3092, Buenos Aires (25); 35 mems., 42 hon.; library of 50,000 vols.; Pres. (1964–66) Dr. PEDRO A. MAISSA; Sec.-Gen. Dr. MARCIAL I. QUIROGA; Librarian JOSÉ ZARTMANN; publ. *Boletín*.

Córdoba

Academia Nacional de Ciencias (Córdoba) (*National Academy of Sciences—Córdoba*): Avda. Vélez Sarsfield 249; f. 1868; 35 mems.; Pres. Ing. CARLOS A. REVOL; Sec. Ing. RODOLFO MARTÍNEZ; publs. *Actas, Boletín, Miscelánea*.

Academia Nacional de Derecho y Ciencias Sociales (Córdoba) (*National Academy of Law and Social Sciences*): Avda. Colón 93; f. 1941; 24 mems.; Pres. Dr. FÉLIX SARRIA; Sec. Dr. BENJAMÍN CORNEJO; publ. *Anales*.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

AGRICULTURE

Barrow

Chacra Experimental de Barrow, Barrow, F.C.N.G.R.: f. 1923; Dir. BARTOLOMÉ SCHELOTTO; Provincial Ministry of Agriculture research station and pedigree stockbreeders.

Buenos Aires

Instituto Agrario Argentino de Cultura Rural (*Agricultural Inst.*): Perú 277; f. 1937; library of 2,000 vols.; Dir. Dr CORNELIO J. VIERA; Sec. Sta. MARIA LUIS RIVAS; Technical Sec. EURIFUE ALFREDO VIVANA; publ. *Reseñas Argentinas, Reseñas, Comunicados*.

Instituto Nacional de Tecnología Agropecuaria—INTA (*National Institute of Farming Technology*): Rivadavia 1439; f. 1956; to improve and extend agricultural and fishing technology and raise the standard of living of the rural population; numerous corporate mems.; Dir.-Gen. Ing. Agr. UBALDO C. GARCÍA; Head of Live-stock Research Dr. JOSÉ MARÍA R. QUEVEDO; Head of Promotion and Extension Services Ing. Agr. NORBERTO A. R. REICHART; publs. *Revista IDIA, Revista de Extensión Agropecuaria, Revista de Investigaciones Agropecuarias*.

Sociedad Argentina de Agronomía (*Argentine Society of Agronomy*): Santa Fé 1145; f. 1934; Pres. WALTER F. KUGLER.

Sociedad Rural Argentina (*Rural Soc.*): Florida 460; f. 1866; library of 15,000 vols.; Libr. IVAN G. SIMKO; publs. *Anales, Boletín*.

Pergamino

Estación Experimental Agropecuaria Pergamino (*Pergamino Agricultural Experimental Station*): f. 1912; library of 12,000 vols.; agricultural research: breeding of wheat, corn, flax, sunflower and forage plants; animal husbandry and breeding; agricultural extension service; statistics, economics and sociology departments; some

40 technical publications annually in series *Publicación Técnica, Informe Técnico, Boletín de Divulgación, Serie Bibliográfica;* Dir. José Tomás Luna.

Tucumán

Estación Experimental Agrícola de Tucumán (*Experimental Research Station of Tucumán*): Casilla de Correo 71, San Miguel de Tucumán; attached to Gobierno Superior of Tucumán; Dir. Ing. Agron. Erbio Anacleto Bragadín (acting).

Anthropology

Buenos Aires

Instituto Nacional de Antropología (*National Institute of Anthropology*): Sánchez de Bustamante 2663; f. 1943 as Instituto Nacional de la Tradición; under the Ministry of Education and Justice; library of 10,000 vols.; Dir. Prof. Julián Cáceres Freyre; Sec. Prof. Susana Chertudi; publs. *Cuadernos.*

Sociedad Argentina de Antropología (*Argentine Anthropological Soc.*): Moreno 350; f. 1936; Committee Blas Alberti, Antonio Austral, Rodolfo Casamiquela, Eduardo Menéndez, Dr. Oswald Menghin; publ. *Boletín.*

Astronomy

Buenos Aires

Asociación Argentina (*Argentine Assen.*): Avda. Patricias Argentinas 550; f. 1929; library of 4,000 vols.; 1,000 mems.; possesses its own observatory; Pres. Carlos L. M. Segers; publs. *Revista Astronómica* and *Boletín Astronómico* (irregular).

Córdoba

Observatorio Astronómico, Universidad Nacional de Córdoba (*Astronomical Observatory*): Laprida 854; f. 1871; Dir. Dr. J. Landi Dessy (acting); publs. *Resultados* (38 vols.), papers in periodicals; library of approx. 8,000 vols.

Botany

Buenos Aires

Instituto de Botánica: Aráoz 2875; f. 1947.

Jardín Botánico "Carlos Thays" (*Botanical Gardens*): Santa Fé 3951; f. 1898; Dir. Ing. Agr. Jorge A. Cosentino; publs. *Index Seminum, Notas de Divulgación,* and *Revista.*

La Plata

Instituto de Botánica "C. Spegazzini" (*Botanical Institute*): Calle 53 No. 477; Dir. Ing. Juan C. Lindquist; contains Phanerogamics and Mycological collections of the late Dr. Carlos Spegazzini; affiliated to the Museo de la Plata; publs. contributions to reviews.

San Isidro

Instituto de Botánica "Darwinion" (*Botanical Institute*): Lavardén 200; f. 1911; attached to the Academia Nacional de Ciencias exactas, físicas y naturales, Buenos Aires; library of 60,000 vols., works dating from 16th century, including *Flora Brasiliensis* by Martius and Eichler, Linnæus's works, collections of botanical journals, etc., herbarium of about 300,000 specimens, especially South American; Dir. Ing. Agr. Arturo Burkart; publ. *Revista Darwiniana.*

Chemistry

Buenos Aires

Asociación Bioquímica Argentina (*Argentine Biochemical Association*): Avda. Corrientes 424; f. 1934; 1,500 mems.; Chair. Dr. Enrique Iovine; library; publ. *Revista* (every two months).

Asociación Química Argentina (*Argentine Chemical Assen.*): Sánchez de Bustamante 1749; f. 1912; library of 10,000 vols.; Pres. Dr. Emilio Etchegaray; Sec. Dr. Alfredo Rembado; publs. *Anales de la Asociación Química Argentina, Industria y Química.*

Engineering, Architecture

Buenos Aires

Asociación Argentina de Electrotécnicos (*Argentine Association of Electrotechnicians*): Posadas 1659; f. 1913; Pres. Ing. P. J. Noizeux.

Centro Argentino de Ingenieros Agrónomos (*Argentine Centre of Agricultural Engineers*): Arenales 1678; f. 1906; 900 mems.; library of 4,000 vols.; Pres. Ing. Agrón. Eduardo Pous Peña; Sec. Alfredo G. Glade; publ. *Cadia.*

Centro Argentino de Ingenieros; Biblioteca Ing. Luis A. Huergo (*Argentine Centre of Engineering*): Cerrito 1250; f. 1895; approx. 4,000 mems.; library of 16,000 vols. on engineering; publ. *La Ingeniería* (monthly).

Instituto Argentino de Racionalización de Materiales, I.R.A.M. (*Argentine Standards Institute*): Chile 1192; f. 1935; 800 mems.; library of 146,086 standards; Dir.-Gen. Ing. M. E. Beatriz Ghirelli de Ciaburri; Sec. Raquel Rubio; publs. *Informaciones* (quarterly), *Boletín Information* (bi-monthly) and *Standards I.R.A.M.*

Socieded Central de Arquitectos (*Architects' Association*): Montevideo 942; f. 1886; incorporates the **Biblioteca "Arq. Alejandro Christopherson"**; library of 5,731 vols.; Dir. Arq. Ricardo Braun Menéndez.

Entomology

Buenos Aires

Sociedad Entomológica Argentina (*Argentine Entomological Society*): Maipú 267; f. 1925; publ. *Revista.*

Folklore, Ethnography and Sociology

Buenos Aires

Asociación Correntina General San Martín: Azcuénaga 1313; library of 6,500 vols. on folklore and the Guaraní.

Instituto de Sociología (*Institute of Sociology*): Avda. Indepencia 2161, 1° piso; f. 1942; Dir. Prof. Gino Germani; Research Dir. Prof. Ana María E. de Babini; Sec. Jorge Alonso; publ. *Boletín* (annual).

Instituto de Sociología Aplicada (*Institute of Applied Sociology*): Casilla 5703, Correo Central; f. 1960; research institution concerned with the practical and theoretical application of sociology; Dir. Roberto Ortigueira.

Santa Fé

Departamento de Estudios Etnográficos y Coloniales (*Department of Ethnographical and Colonial Studies*): Calle 25 de Mayo 1470; f. 1940; Hon. Dir. Dr. Agustín Zapata Gollan; publ. *Boletín* (irregularly), and related work.

Foundations and Trusts

Fundación Académica para el Estudio de la Historia y la Filosofía del Arte (*Foundation for the Study of History and Philosophy of Art*): f. 1955; sponsors research; Sec.-Gen. and Founder Dr. Enrique E. Febbraro.

Geography and Geology

Buenos Aires

Dirección Nacional de Geología y Minería: Perú 562; attached to the National Administration of Mines and Industry of the Ministry of Economics; Dir. Dr. Roberto V. Tezón; publs. *Mapa geológico-económico de la República Argentina* (scale 1:200,000), etc.

Instituto Geográfico Militar (*Military Geographical Institute*): Av. Cabildo 381; f. 1879; library of 35,000 vols., 50,000 maps and plans; Dir.-Gen. General VICTOR H. J. HOSKING; publs. *Anuario* (Year-book); related technical and scientific works.

Sociedad Argentina de Mineria y Geologia (*Argentine Society of Mining and Geology*): Avda. Angel Gallardo 450; f. 1929; Pres. Dr. AGUSTÍN MONTEVERDE.

Rosario

Instituto de Fisiografía y Geología (*Institute of Physiography and Geology*): Avda. Pellegrini 250; f. 1936; library of 6,200 vols.; Dir. Dra. PIERINA PASOTTI; Sec. Prof. NOEMI LURÁ.

HISTORY

Buenos Aires

Departamento de Estudios Históricos Navales (*Department of Naval History Studies*): Secretaría de Estado de Marina, Avda. Madero y Cangallo; f. 1957; architectural history; specialised library; studio for the official Marine Painter; Dir. Capt. HUMBERTO F. BURZIO; large number of publications, including paintings and medals.

Sociedad de Historia Argentina (*Argentine Historical Society*): f. 1931; Pres. Dr. JOSÉ ARMANDO SECO VILLALBA; Vice-Pres. Dr. RICARDO ZORRAQUÍN BECÚ; Secs. ALFREDO G. VILLEGAS, SIGFRIDO A. RADAELLI; Librarian Dr. EDGARDO HILAIRE CHANETON; 30 mems., 3 hon., 15 Argentine corresp., 27 foreign; publs. numerous historical papers and bulletins.

Santa Fé

Junta de Historia Eclesiástica Argentina (*Council of Argentine Ecclesiastical History*): Gral. López 2720, f. 1938, estab. 1941; Pres. Mons. Dr. NICOLÁS.; FASOLINO; publ. *Revista Archivum* (every six months).

INTERNATIONAL CULTURAL INSTITUTES

Buenos Aires

Alianza Francesa: Córdoba 936; f. 1893; library of 34,000 vols. on France and French literature; Dir. M. BERNARD LOUMAGNE; 672 mems.; 6,454 students.

Asociación Dante Alighieri: Calle Tucumán 1646; f. 1896; Italian cultural organisation; 1,500 mems., 34 teachers and 3,300 students; Pres. Dr. DIONISIO PETRIELLA; Sec. Ing. MARIO ANFOSSI.

Consejo Británico (*The British Council*): Lavalle 190; Representative Dr. N. A. R. MACKAY, O.B.E.; co-operates with: **Asociaciones:** Bahiense de Cultura Inglesa, Bahia Blanca; Argentina de Cultura Británica, Córdoba; Argentina de Cultura Inglesa, Punta Alta; Rosarina de Cultura Inglesa, Rosario; Argentina de Cultura Inglesa, Santa Fé; Argentina de Cultura Inglesa, Buenos Aires; Asociación de Cultura Inglesa, Corrientes; Asociación Argentina de Cultura Inglesa, Laboulaye (Córdoba); also at Mar del Plata, Necochea, Rio Cuarto and Salta; **Institutos:** Cultural Argentino-Británico, La Plata; Cultural Anglo-Argentino, Mendoza; Argentino de Cultura Británico, Quilmes; Cultural Anglo-Argentino, Tucumán; Cultural Argentino-Británico, Mercedes, San Luis; Instituto Chaqueño de Cultura Inglesa, Resistencia; scholarships offered in Argentina.

Inspection Générale des Alliances Françaises d'Argentine et du Paraguay: Av. Córdoba 392; f. 1893; Inspector-General CLAUDE CYMERMAN.

Instituto Cultural Argentino Norte-Americano (I.C.A.N.A.): Maipú 686; f. 1927; 500 mems.; library of 8,500 vols. on all aspects of American life and culture; Pres. Ing. LUIS FIORE; Sec. Dr. CARLOS A. ADROGHÉ.

Institución Cultural Argentino-Germana: J. E. Uriburu 1222, Buenos Aires; f. 1960; Dir. V. KAGE.

Instituto Francés (attached to the Universities of Paris and Bordeaux); Biblioteca Henri Focillon: Maipú 1220; library of 17,000 vols. on French literature, civilisation and sciences; 150 selected French periodicals.

Istituto Italiano di Cultura: Charcas, 1149, Buenos Aires; Dir. Prof. ELZEARIO SILLARI.

LAW

Buenos Aires

Instituto de Derecho Internacional (*Institute of International Law*): Facultad de Derecho y Ciencias Sociales, Universidad de Buenos Aires, Avda. J. Figueroa Alcorta 2263; f. 1947; Dir. Prof. LUIS PODESTÁ COSTA; Sub-Dir. Prof. ERNESTO C. HERMIDA; publ. *Revista del Instituto de Derecho Internacional.*

Colegio de Abogados de Buenos Aires (*Buenos Aires Bar Association*): Montevideo 640; f. 1913; 1,400 mems.; library of 80,000 vols.; law and social sciences; Pres. Dr. ALBERTO ROBREDO ALBARRACÍN; Sec. Dr. OSCAR ALVARADO URIBURU; publs. *Revista* and *Boletín.*

Sociedad Argentina de Criminología (*Argentine Criminology Society*): Libertad No. 555; f. 1933; attached to the Instituto de Criminología.

LITERATURE

Buenos Aires

Instituto Bibliotecológico: Universidad Nacional de Buenos Aires, Azcuēnaga 280, Casilla de correo 901; f. 1943; Dir. HANS GRAVENHORST.

Instituto Nacional de Estudios del Teatro (*National Institute for the Study of the Theatre*): Córdoba 1199; library of 9.500 vols. on theatre and folklore; museum; Dir. ALFREDO DE LA GUARDIA.

P.E.N. Club Argentino (Centro Internacional de la Asociación P.E.N.) (*International P.E.N. Centre*): Rivadavia 4060; f. 1930; Pres. ANTONIO AITA; 100 mems.; monthly meetings and discussions; publ. *Boletín* and books.

Sociedad Argentina de Escritores (*Authors' Society*): Potosí 4303; Pres. Dr. CARLOS ALBERTO ERRO.

Sociedad General de Autores de la Argentina (Argentores) (*Argentine Society of Authors*): Virrey Melo 1820; f. 1910; 2,100 mems.; library of 40,000 vols.; Pres. SIXTO PONDAL RÍOS; Sec. RODOLFO M. TABOADA; publs. *Boletín Social* (quarterly), *Argentores* (monthly).

Bahía Blanca

Asociación Bernardino Rivadavia—Biblioteca Popular: Av. Colón 31; f. 1882; library of 93,000 vols.; Pres. Dr. RAÚL E. BAGUR; Sec. Dr. SERAFÍN GROPPA; publ. *Boletín Informativo.*

MATHEMATICS

Buenos Aires

Instituto de Cálculo (*Institute of Calculus*): Facultad de Ciencias Exactas y Naturales, Perú 222; Dir. Prof. M. SADOSKY.

Unión Matemática Argentina (*Argentine Mathematical Union*): Casilla 3588; f. 1936; publ. *Revista de la Unión Matemática Argentina y de la Asociación Física Argentina.*

MEDICINE, SURGERY

Buenos Aires

Asociación Farmacéutica y Bioquímica Argentina (*Pharmaceutical and Bio-chemical Association of Argentina*): Bmé. Mitré 2041; library of 8,000 vols.

Asociación Médica Argentina (*Argentine Medical Association*): Santa Fé 1171; library of 25,000 vols.; Pres. Dr. HUMBERTO RUGIERO; Sec. Dr. FRANCISCO JAVIER ROMANO.

Asociación Odontológica Argentina (*Dentists' Association of Argentina*): Junín 959; f. 1896; 4,267 mems.; library of 7,750 vols.; post-graduate school for dentists; publ. *Revista de la Asociación Odontológica Argentina* (monthly).

Central de Investigaciones (*Research Centre*): Bolivar 1128; f. 1951; organisation for biological research of the Ministry of Public Health; Dir. Dr. ESTANISLAO DEL CONTE.

Instituto de Biología y Medicina Experimental (*Institute of Biology and Experimental Medicine*): Obligado 2490; f. 1944; library of 4,000 vols.; Dir. Dr. BERNARDO A. HOUSSAY; publ. *Memoria* (annually).

Instituto Nacional de Microbiología (*National Bacteriological Institute*): Vélez Sarsfield 563; f. 1916; Dir. Dr. JOSÉ M. DE LA BARRERA; publ. *Anales*.

Instituto de Oncología "Angel H. Roffo" (*Institute of Experimental Medicine*): Avda. San Martín 5481; f. 1922; Dir. Prof. Dr. GREGORIO A. LISTA; publ. *Anales*; is an affiliation of Buenos Aires University.

Instituto de Investigación Médica "Mercedes Martín Ferreyra" (*Mercedes Martin Ferreyra Medical Research Institute*): f. 1946; Dir. Dr. OSCAR ORIAS.

Instituto de Maternidad y Asistencia Social "Prof. U. Fernández" del Hospital T. de Alvear: Warnes 2424, Buenos Aires; f. 1918; Dir. Prof. MANUEL LUIS PÉREZ.

Instituto de Maternidad y Asistencia Social "Samuel Gache": Avenida Alcorta 1402; f. 1943; Dir. Prof. Dr. EDUARDO M. BALDI.

Instituto Nacional de la Nutrición (*National Institute of Nutrition*): Head Office: Córdoba 3120; other offices: Díaz Vélez 4821; f. 1938; under the Ministry of Public Health; library of 12,000 vols.; Dir. Dr. CARLOS E. ALVARIÑAS; publ. *Revista de la Asociación Argentina de Nutrición y Dietología*.

Liga Argentina contra la Tuberculosis (*Argentine Anti-Tuberculosis League*): Santa Fé 4292; f. 1901; library of 140 series of periodicals; Pres. Prof. Dr. FRANCISCO MARTÍNEZ; Sec.-Gen. Dr. JOSÉ M. ALONSO; publs. *Revista Argentina de Tuberculosis* (professional), *La Doble Cruz* (popular).

Misión de Estudios de Patología Regional Argentina (*Argentine Regional Mission for Pathological Studies*): Faculty of Medicine, Buenos Aires Univ.; Dir. Dr. FLAVIO L. NIÑO; publ. *Revista de la Cátedra de Microbiología y Parasitología*.

Patronato de Leprosos de la República Argentina (*Argentine Asscn. for Aid to Lepers*): J. E. Uriburu 1010-18; f. 1930; 4,155 active mems., assisted by 3 Comms. of doctors, lawyers and laymen; 21 branches, 70 sub-branches and 160 sub-comms.; it founded and provides for the Colonia Infantil "M. Esperanza" (Preventive Settlement for 700 non-infected children of patients; f. 1938), Hogar Central (Hostel for Boys; f. 1946), Hogar Central de Niñas (Hostal for Girls; f. 1959), Estudio Jurídico (free legal advice for patients); a laboratory for experiments on leprosy in the Hospital Muñiz; eighteen out-patient clinics in different towns of the country, Leprologic library "Dr. ENRIQUE P. FIDANZA", 35,000 cards; f. 1939 (Histopathological museum in organisation); Patronato de Leprosos Internacional; Pres. HERSILIA CASARES DE BLAQUIER; publs. *Memoria* (yearly), *Presente* (official organ), *Temas de Leprología* (scientific), and related works.

Sociedad Argentina de Biología (*Argentine Biological Society*): Santa Fé 1171, Buenos Aires; f. 1920; Pres. Dr. BERNARDO A. HOUSSAY; Sec. Dr. JUAN C. PENHOS; publ. *Revista*.

Sociedad Argentina de Farmacia y Bioquímica Industrial (*Argentine Industrial Biochemistry and Pharmacy Society*): Av. del Libertador General San Martín 7774; Pres. JORGE L. MOGLIA; Sec. FRANCISCO FERNANDEZ; publ. *SAFYBI* (review).

Sociedad Argentina de Leprología (*Argentine Society of Leprology*): Casilla de Correos 2899; f. 1954; organises national and international meetings of doctors dealing with leprosy; Sec. J. C. GATTI; publ. *Leprología* (2 or 3 a year).

Sociedad Argentina de Neurología, Psiquiatría, y Neurocirugía (*Argentine Neurological, Neurosurgical and Psychiatrical Soc.*): Santa Fé 1171; affiliation of Asociación Médica Argentina; f. 1921; 300 mems.; Pres. Prof. Dr. GERMÁN HUGO DICKMANN; Sec. Prof. Dr. RODOLFO G. A. FERRERO.

Sociedad Argentina de Oftalmología (*Argentine Ophthalmological Society*): Santa Fé 1171; f. 1920; Pres. BAUDILIO COURTIS; Vice-Pres. Dr. HECTOR ERAUSQUIN; Sec. Dr. ROBERTO SAMPAOLESI; publ. *Archivos* (quarterly).

Sociedad Argentina de Ortopedia y Traumatología (*Argentine Orthopædic and Traumatic Soc.*): Santa Fé 1171; f. 1936; 320 mems.; Pres. Dr. DOMINGO T. MUSCOLO; Sec. Dr. CARLOS L. AIELLO; publ. *Boletín*.

Sociedad Argentina de Pediatría (*Argentine Paediatric Society*): Santa Fé 1171; f. 1911; 1,200 mems.; Pres. Prof. Dr. JUAN J. MURTAGH; Sec. Dr. MARCOS R. LLAMBÍAS; publ. *Archivos Argentinos de Pediatría* (monthly).

Sociedad Argentina para el Estudio del Cáncer (*Argentine Soc. for the Study of Cancer*): Avenida San Martín 5481; attached to the Instituto de Oncología "Angel H. Roffo".

Sociedad de Anatomía Normal y Patológica (*Normal and Pathological Anatomy Soc.*): Santa Fé 1171; f. 1933; Pres. Dr. JOSÉ L. MONSERRAT; Sec. Dr. ALLAN J. MURRAY; publs. *Archivos*.

Sociedad de Cirugía de Buenos Aires (*Buenos Aires Surgical Society*): Santa Fé 1171; Pres. IVAN GOÑI MORENO; Sec.-Gen. GUILLERMO I. BELLEVILLE.

Sociedad de Dermatología y Sifilografía (*Sección de la Asociación Médica Argentina*): (*Soc. of Dermatology and Syphilography*): Santa Fé 1171; f. 1934; 75 mems.; hon. mems. in Hungary, Japan, and U.S.A.; Pres. Dr. ALCIDES L. CONTI; Sec.-Gen. Dr. ANUNCIADO GRILLO; publ. *Revista*.

Sociedad de Medicina Legal y Toxicología (*Soc. of Forensic Medicine and Toxicology*): Sarmiento 1271; f. 1929; 110 mems.; Pres. Dr. JOSÉ BELBEY; Sec. Dr. ALFREDO G. FERRER ZANCHI; publ. *Archivos de Medicina Legal*.

Sociedad Argentina de Psicología (*Buenos Aires Psychological Society*): Callao 1159; f. 1930; Pres. ENRIQUE MOUCHET; publ. *Temas actuales de Psicología normal y patológica* 1945, *Tratado de las pasiones*, 1953-.

METEOROLOGY

Buenos Aires

Servicio Meteorológico Nacional (*National Meteorological Service*): Paseo Colón 317; f. 1872; library of 28,000 vols.; Dir. Lic. D. FRANCISCO LUCIO FERNÁNDEZ; publs. *Contribuciones Estadísticas y Anales Climatológicos, Anales hidrológicos, Carta del Tiempo* (including Pluviometric and Hydrological Bulletins (daily). *Anales Sismológicos, Boletín Fenológico, Atlas Climático de la República Argentina*, etc.

NUMISMATICS

Buenos Aires

Instituto Bonaerense de Numismática y Antigüedades (*Buenos Aires Inst. of Numismatics and Antiquities*): Sarmiento 531; f. 1872; Pres. HUMBERTO F. BURZIO; 50 mems., 13 corresponding in Argentina, 35 abroad; publs. *Boletín* and related works.

PHILOLOGY AND SOCIOLOGY

Buenos Aires

Sociedad Argentina de Estudios Lingüísticos (*Argentine Soc. of Linguistic Research*): 11 de Setiembre 2262; f. 1935; organised first American Congress of the Spanish language in 1939; Pres. DELFINA MOLINA Y VEDIA DE BASTIANINI; publ. *Por Nuestro Idioma*.

Córdoba

Asociación Latino-Americana de Sociología (A.L.A.S.) (*Latin-American Sociological Association*): Trejo 241; f. 1950; Pres. Prof. ALFREDO POVIÑA; Sec. Gen. Prof. ODORICO PIRES PINTO.

SCIENCE

Buenos Aires

Asociación Argentina de Ciencias Naturales "Physis" (*Argentine Asscn. of Natural Sciences*): Nazca 2330; f. 1911; Pres. Ing. Agr. ARTURO BURKART; Sec. Dra. NOEMI CATTOI; 130 mems.; publ. *Physis*.

Asociación Argentina del Frío (*Argentine Refrigeration Asscn.*): Cerrito 512; library.

Asociación Argentina para el Progreso de las Ciencias (*Asscn. for the Advancement of Science*): Avda. R. Sáenz Peña 555; Pres. Dr. ALEJANDRO C. PALADINI; Sec. Dr. CARLOS E. CARDINI; publ. *Ciencia e Investigación*.

Asociación Física Argentina (*Argentina Physics Association*): Peru 222; f. 1944.

Centro de Documentación Científica (*Scientific Documentation Centre*): Rivadavia 1917; f. 1963; Dir. RAÚL L. CARDÓN; publs. monthly bulletin, Yearbook.

Comisión Nacional de Energía Atómica (*National Atomic Energy Commission*): Avda. del Libertador General San Martín 8250; under the control of the Government of the Argentine Republic; f. 1950 to promote and undertake scientific and industrial research and applications of nuclear transmutations and reactions; Pres. and National Adviser Rear Admiral OSCAR A. QUIHILLALT; publ. *Informes*.

Consejo Nacional de Investigaciones Científicas y Técnicas (*National Council of Scientific and Technical Research*): Rivadavia 1917, 4° piso; f. 1958 to promote and undertake scientific and technical research; Pres. Dr. BERNARDO A. HOUSSAY.

Dirección General de Yacimientos Petrolíferos Fiscales (Y.P.F.) (*Petroleum Institute*): Av. R. Sáenz Peña 777; library of 10,000 vols. on petroleum.

Sociedad Científica Argentina (*Argentine Scientific Soc.*:) Avenida Santa Fé 1145; f. 1872; library of 46,300 vols.; 702 mems.; Pres. Dr. EDUARDO BRAUN MENÉNDEZ; affiliations in Santa Fé, La Plata, Mendoza; publ. *Anales*.

San Miguel

Observatorio de Física Cósmica: San Miguel; f. 1935; Dir. JUAN A. BUSSOLINI; publs. *Boletín Mensual, Acta Scientifica, Memorias*.

STATISTICS, ECONOMICS

Buenos Aires

Dirección Nacional de Estadística y Censos (*National Dept. of Statistics and Censuses*): Secretaria de Estado de Hacienda, Ministerio de Economía de la Nación, Hipólito Yrigoyen 250, 12° piso; library of 15,000 vols.; Dir. ENRIQUE N. COMPIANO; Dep. Dir. JULIO J. OLEZZA; publs. *Boletín de Estadística* (quarterly), *Anuario Estadístico de la República Argentina, Comercio Exterior* (special editions), *Censo Nacional de 1960-Agropecuario, por provincias* (23 sections), monthly information series.

Instituto Americano de Investigaciones Económicas, Jurídicas y Sociales (*American Institute of Economic, Juridical and Social Research*): Maipú 286; f. 1946; Pres. FRANCISCO A. RIZZUTO, Jr.; articles and papers published in the review *Veritas* and *Correo de la Fundación Rizzuto*.

La Plata

Dirección General de Estadística e Investigaciones (*General Statistical Office*): Calle 8, 732 La Plata, Pcia. de Buenos Aires; f. 1888; library of 40,000 vols.; Dir. Dr. PEDRO I. MENDIVE; publ. *Cuadernos de Estudios, Boletines Estadísticos, Anuarios*.

LIBRARIES AND ARCHIVES

Buenos Aires

Archivo General de la Nación (*General National Archives*): Paseo Colón 250; 2,500 vols.; Dir. CARLOS U. ARIENTI.

Archivo Gráfico de la Nación (*Art Archives of the Nation*): Santa Fé 1659; Dir.-Gen. CÉSAR LÓPEZ; Sec. ENRIQUE LOMUTO.

Biblioteca Argentina para Ciegos (*Argentine Library for the Blind*): Lezica 3909; 8,500 vols. in Braille; Pres. MARIO A. RABOSSI.

Biblioteca Central de Marina: Secretaria de Marina, Bmé. Mitre 1465; bibliographical and reference material; administers a large number of smaller libraries run by the naval services; 40,000 vols.; publ. *Boletín Bibliográfico de las Bibliotecas de Marina*.

Biblioteca del Centro de Estudios "San Francisco de Sales": Hipólito Yrigoyen 3900.

Biblioteca de la Unión Industrial Argentina (*Library of the Industrial Union*): Avda. de Mayo 1157; f. with the Inst. 1887; 30,000 vols. on statistics, law and social science trade and industry; *Hemeroteca* (library of periodicals) with valuable collections of related journals; *Archives* of the Unions many publications; Information Bureau; publs. *Catálogo*; Librarian MARÍA ELIANNE MORALES TORRES.

Biblioteca de la Razón: Av. de Mayo 729; 45,000 vols.; general library.

Biblioteca de la Sociedad Rural Argentina (*Library of Agricultural Sciences*): Florida 460; f. 1866; 33,600 vols.; Pres. FAUSTINO ALBERTO FANO; publ. *Anales de la Sociedad Rural Argentina*.

Biblioteca de la Universidad del Salvador: Callao 542; f. 1959; 260,000 vols.; Librarian GUILLERMO FURLONG, S.J.

Biblioteca de Leprología "Dr. Enrique P. Fidanza" (*Leprosy Library*): Patronato de Leprosos de la República Argentina, J. E. Uriburú 1010-18; f. 1939; 35,000 cards in its catalogues; important sections on dermatology and tropical medicine; lending microfilms and slides service, museum of histopathology of skin; publ. *Temas de Leprología*, first periodical on leprosy in the country.

Biblioteca del Bibliotecario (*The Librarian's Library*): Callao 1540; f. 1944; 1,100 vols.; Dir. RUBY A. ESCANDE; is a section of the Comisión Protectora de Bibliotecas Populares.

Biblioteca del Congreso de la Nación (*Nat. Congress Library*): Rivadavia 1850; f. 1859; 300,000 vols.; Dir. JORGE B. VIVAS; publs. *Boletín* (quarterly), *Serie de Antecedentes para la Documentación Parlamentaria, Serie Legislación Argentina, Serie Asuntos Extranjeros, Serie Bibliotecológica* (irregular), *Indice de legislación Comparada* (monthly), *Indice Bibliográfico* (monthly).

Biblioteca, Filatelia, Museo y Salón de Lectura (*Library, Stamp Collection, Museum and Reading Room*): Sarmiento 151, 2° Piso.

Biblioteca Nacional (*National Library*): México 564; f. 1810, 682,794 vols., 46,177 MSS.; Dir. JORGE LUIS BORGES; Vice-Dir. JOSÉ E. CLEMENTE; publs. *La Biblioteca; Boletín Bibliográfico Nacional*.

Biblioteca Nacional de Aeronáutica: Córdoba 741, Casilla de Correo 3389; 30,000 vols.; Chief Librarian MARÍA JULIA FERNÁNDEZ.

Biblioteca Nacional de Maestros: Pizzurno 935; 100,000 vols.; general reference and education.

Biblioteca Nacional Militar (Círculo Militar) (*National Military Library*): Charcas 745; f. 1940; 66,000 vols.; Librarian MARÍA ELOISA GÜIRALDES.

Biblioteca Obrera "Juan B. Justo" (*Workmen's Library*): Rivadavia 2150; 45,000 vols., general and industrial law, history and methods; publ. *Memoria*.

Biblioteca Pública del Arte (*Public Library of Art*): Avda. Libertador General San Martín 1473; part of the Museo Nacional de Bellas Artes; 14,000 vols. on plastic arts, architecture, music, theatre.

Biblioteca Pública del Colegio de Escribanos (*Library of the College of Notaries*): Callao 1542; f. 1886; 1,300 mems.; 12,000 vols., law and social science; publs. *Boletín, Revista del Notariado, Revista Internacional del Notariado Latino*.

Biblioteca Pública Gratuita de "La Prensa" (*"La Prensa" Public Free Library*): Rividavia 552; f. 1900; 40,000 vols.; Dir. ITALO OSCAR MONTI.

Biblioteca Tornquist: Ernesto Tornquist & Co., Ltda., Bartolomé Mitre 559; f. 1916; 54,000 vols.; economic and social sciences; Dir. HUMBERTO A. QUARTIROLI.

Biblioteca y Museo Numismático del Banco Central de la República Argentina (*Central Bank Library and Museum*): San Martín 275; f. 1935; 42,000 vols.; Dir. HORACIO APOGLIANI; publ. *Boletín* (monthly); open to the public.

Biblioteca del Ministerio de Relaciones Exteriores y Culto (*Ministry of Foreign Affairs Library*): Arenales 761; 50,000 vols.; Dir. HORACIO R. PIÑEYRO.

Biblioteca de la Dirección Nacional de Geología y Minería: Calle Peru 562; f. 1905; Dir. ANTONIO AMATO; 20,400 vols.; 3,300 pamphlets, 2,800 maps; publs. *Boletín, Anales*, technical reports, statistics, maps, etc.

Biblioteca del Ministerio de Hacienda (*Treasury*): H. Irigoyen 250; 50,000 vols.; economics, law and finance; Librarian CARLOS M. RODRÍGUEZ IBÁÑEZ.

Biblioteca del Ministerio de Agricultura y Ganadería: Paseo Colón 974; the Department is composed of the Central Library and the library of the "Casa del Ministerio"; Mendoza 1085, Rosario, Prov. of Santa Fé. The Central Library contains 72,000 vols. and 2,387 periodicals; Dir. RICARDO J. LOIS; publs. *Boletín Bibliográfico, Circulares Bibliográficas Internas, Panorama Agropecuario, Noticioso Bibliográfico.* It has established an exchange service with foreign libraries.

Bibliotecas de la Universidad de Buenos Aires: Calle Viamonte 444; Dir. of Libraries HANS GRAVENHORST; Faculty of Law and Social Sciences 286,000 vols.; Faculty of Economics 69,000 vols.; Faculty of Exact and Natural Sciences 40,000 vols.; Faculty of Architecture and Town Planning 14,000 vols.; Faculty of Philosophy and Letters 80,000 vols.; Faculty of Engineering 34,000 vols.; Faculty of Medicine 531,000 vols.; Faculty of Agriculture and Veterinary Medicine 69,000 vols.; Faculty of Odontology 12,000 vols.; Faculty of Pharmacy and Biochemistry 10,000 vols.

Centro de Documentación Internacional (*International Documentation Centre*): Avenida Figueroa Alcorta 2263; f. 1959; 10,000 vols. specialising in publications of United Nations, Organization of American States, etc.; Dir. Prof. GREGORIO WEINBERG; publishes bibliographies, information sheets.

COMMISSIONS

Asociación de Bibliotecarios Graduados de la República Argentina: Corrientes 1723; f. 1953; 200 mems.; affiliated to FIAB; Pres. RICARDO J. LOIS; publ. *Reseña Bibliográfica*.

Comisión Protectora de Bibliotecas Populares (*Comm. for the Protection of Public Libraries*): Callao 1540; f. 1870; Pres. Dr. RÓMULO AMADEO; Sec. CÉSAR MARTINTO; publ. *Boletín*.

Sociedad Argentina de Bibliotecarios de Instituciones Sociales, Científicas, Artísticas y Técnicas (*Argentine Society of Librarians of Social, Scientific, Artistic and Technical Insts.*): B. Mitré 2041; f. 1937; 30 mems., 72 associates, comprising dels. from scientific insts., technical undertakings, libraries, universities, museums, and Govt. offices; Pres. ERNESTO G. GIETZ; Vice-Pres. LUCIANO PESSACQ; Sec. ABILIO BASSETS; corresp. mem. Dr. LEWIS HANKE; publs. catalogue of scientific and technical periodicals, related monographs.

Dirección de Bibliotecas Públicas Municipales (*Admin. of Public Libraries*): Pellegrini 1174; f. 1928; Dir. ALBERTO FRANCO; Sec.-Gen. HORACIO SCHIAVO; comprises 18 Public Municipal Libraries in Buenos Aires with an aggregate of 150,000 vols.

Bahia Blanca

Biblioteca Central, Universidad Nacional del Sur: Avda. Colón 80; f. 1948; 27,000 vols.; Dir. Prof. NICOLÁS MATIJEVIC.

Córdoba

Biblioteca Mayor de la Universidad Nacional de Córdoba (*Library of Córdoba National University*): Calle Obispo Trejo y Sanabria 242, Apdo. 63; f. 1614, reorganised 1818; 100,000 vols.; incunabula, rare editions from the library of the Jesuit founders of Colegio Máximo, also books from the Universidad de San Carlos; Dir. E. ISIDORO MARTÍNEZ.

La Plata

Biblioteca del Ministerio de Gobierno de la Provincia de Buenos Aires: Casa de Gobierno; 20,000 vols.; law, politics and economics.

Biblioteca de la Legislatura: Casilla de Correo 101; 40,000 vols.; law, politics, and general reference; Dir. FACUNDO N. QUIROGA.

Biblioteca Pública de la Universidad Nacional de la Plata (*Public Library of La Plata National University*): Plaza Rocha No. 137; f. 1884; 374,000 vols; 12 incunabula, collection of South American newspapers relating to the Independence movement; rare translations of Cervantes; collection of some 17,000 vols. on first travels in South America; Librarian Dr. JUAN MANUEL VILLA REAL.

Mendoza

Biblioteca Central de la Universidad Nacional de Cuyo: Buenos Aires 273; f. 1939; 50,000 vols.; Dir. Prof. ENRIQUE ZULETA ALVAREZ; publs. *Boletín Bibliográfico, Cuadernos de la Biblioteca*.

Biblioteca Pública General San Martín: Remedios Escalada de San Martín 1843; f. 1822; 70,000 vols.; Dir. MANUELA MUR DELFINO; publs. *Versión* (annually), *Boletín Bibliográfico*.

Rosario

Biblioteca Argentina "Dr. Juan Alvarez" de la Municipalidad de Rosario: Pasaje Aníbal Ponce 1550; f. 1909; 94,314 vols.; works of the 16th to 20th centuries; Dir. FRANCISCO CIGNOLI.

San Miguel, Buenos Aires

Biblioteca de las Facultades de Filosofía y Teología S.I.: Av. Mitre 3226; f. 1931; central deposit library; 61,000 vols.; 300 periodicals received; Librarian MIGUEL A. FIORITO, S.J.; publ. *Ciencia y Fe*.

Tucumán

Biblioteca Central de la Universidad Nacional de Tucumán: Ayacucho 482, Casilla de Correo 167; 100,000 vols.; Dir. ENRIQUE KREIBOHM; publs. numerous reviews.

MUSEUMS

Buenos Aires

Museo Argentino de Ciencias Naturales "Bernardino Rivadavia", Instituto Nacional de Investigación de las Ciencias Naturales (*Argentine Museum of Natural Sciences*): Avenida Angel Gallardo 470; Casilla 10-Suc. 5; f. 1823; 300 mems.; oldest and most important of Latin American scientific museums, divided into zoological, botanical and geological departments; 2,000,000 exhibits; library of 165,000 vols.; Dir. MAX BIRABEN; publs. *Comunicaciones, Revista, Ciencias Botánicas, Ciencias Geológicas, Ciencias Zoológicas*, pamphlets.

Museo de Armas de la Nación (*Arms Museum*): Santa Fé 702; library.

Museo de Arte Moderno de Buenos Aires: Teatro General San Martín, Corrientes No. 1530; f. 1956; Dir. HUGO PARPAGNOLI.

Museo de Bellas Artes de la Boca: Pedro Mendoza 1835; painting, sculpture, engravings, and maritime museum.

Museo de la Policía Federal Argentina (*Federal Police Museum*): Charcas 2850; f. 1899; Dir. COMISARIO ADOLFO ENRIQUE RODRÍGUEZ; history of the Police and criminal exhibits.

Museo de Mineralogía y Geología (*Mineralogical and Geological Museum*): Perú 562; f. 1904; collection of minerals and rocks.

Museo Escolar de Artes Fernando Fader (*Fernando Fader Arts Museum*): Cuenca 5049.

Museo Escolar "Sarmiento" (*Sarmiento Museum*): Charcas 1081; f. 1910; Dir. CARLOS A. SALINAS.

Museo Etnográfico (*Ethnographical Museum*): Moreno 350; attached to the Institute of Anthropological Sciences of the Faculty of Philosophy and Letters of the University of Buenos Aires; f. 1904; library of 30,000 vols.; 120,000 exhibits; collections include: archæological, relating to Central and South America, in particular Argentina; ethnographical, relating to the Americas, Africa, Asia, Oceania; anthropological, particularly relating to Argentina; Dir. Prof. ENRIQUE PALAVECINO; publ. *Runa*; open to the public two days weekly.

Museo Histórico Nacional (*Nat. Historical Museum*): Defensa 1600; f. 1889; library of 13,000 vols.; collections illustrating the revolution, national development, military history and heroes of the Independence; Dir. Capt. HUMBERTO F. BURZIO.

Museo Histórico Sarmiento (*Sarmiento Historical Museum*): Cuba 2079; f. 1938; library of 13,000 vols.; Dir. Dr. BERNARDO A. LÓPEZ SANABRIA; publs. books, pamphlets and lectures on history.

Museo Mitre (*Mitre Museum*): San Martín 336; f. 1942; library of 58,000 vols.; Hon. Dir. JORGE A. MITRE; Sec. JULIA E. GONZÁLEZ ELIZALDE; Sec. JUAN A. FARINI; library of volumes on American history, geography and ethnology; publ. *Revista del Museo Mitre*.

Museo Municipal "Brigadier-General Cornelio de Saavedra": Republiquetas 6309; f. 1942; Dir. CARLOS MARÍA GELLY Y OBES; furniture, paintings, clothing, jewellery, books, documents, arms, coins from 1800 onwards.

Museo Municipal de Arte Hispanoamericano "Isaac Fernández Blanco" (*Isaac Fernandez Blanco Museum of Spanish-American Art*): Suipacha 1422; f. 1947; library of 1,863 vols.; art and decoration of Hispanic period, showing Spanish and South American origins; Curator LUIS I. AQUINO.

Museo Nacional de Bellas Artes (*Nat. Museum of Fine Arts*): Avda. Libertador Gen. San Martín 1473; f. 1895; modern representative Argentine, American, European art, also classical; owns Biblioteca Pública de Arte; Dir. JORGE ROMERO BREST; Sec. SAMUEL F. OLIVER.

Museo Municipal de Bellas Artes y Arte Nacional (*Municipal Museum of Fine Arts and National Art*): Av. Alvear 3273; Dir. CARLOS ABREGU VIRREIRA.

Museo Nacional de Aeronáutica (*National Museum of Aeronautics*): Aeroparque de la Ciudad de Buenos Aires; Dir. Brig. EDMUNDO HUGO CIVATI BERNASCONI.

Museo Nacional de Arte Decorativo (*National Museum of Decorative Art*): Av. del Libertador 1902; f. 1937; furniture, sculptures, tapestries, European and S. American works; Dir. Dr. FEDERICO ALDAO; publs. *Boletín*, guide.

Museo Municipal de Numismática y Medallística (*Municipal Museum of Numismatics and Medals*): Obligado 2139; Dir. Dr. JOSÉ MARÍA GONZALES CONDE.

Museo Nacional del Teatro (*National Theatre Museum*): Córdoba 1199; also library and archives.

Museo Naval de Tigre: Paseo Victorica 630 Tigre; naval history, model ships, paintings, documents, medals.

Museo Popular Juan N. Madero: Constitución 622, San Fernando; f. 1874; library of 56,000 vols.; history and general reference.

Museo Social Argentino (*Argentine Welfare Museum*): Av. Corrientes 1723; f. 1911; library of 40,000 vols.; Pres. Dr. GUILLERMO GARBARINI ISLAS.

Primer Museo Cinematográfico Argentino (*First Cinema Museum of Argentina*): Rio Bamba 423.

Córdoba

Museo Provincial de Bellas Artes "Emilio A. Garaffa": Av. Hipólito Irigoyen 651; f. 1940; provincial art centre; Dir. VICTOR MANUEL INFANTE.

Corrientes

Museo Colonial, Histórico y de Bellas Artes (*Colonial, Historical and Fine Arts Museum*): Calle 9 de Julio No. 1044; f. 1929; Dir. JUANA S. C. DE CASTILLO ODENA; pictorial and period exhibits relating to the Province.

La Plata

Museo de la Plata (*La Plata Museum*): Paseo del Bosque; f. 1884; anthropological, archæological, botanical, geological, mineralogical exhibits; contains comprehensive palæontological collection, including Patagonian mammalia; library of 140,000 vols.; Dir. Dr. SEBASTIÁN A. GUARRERA; publs. *Anales, Revista, Notas, Theses*.

Luján

Museo Colonial e Histórico de la Provincia de Buenos Aires (*Colonial and Historical Museum of the Province of Buenos Aires*): Calle Lezica y Torrezuri 917; f. 1923; Dir. JORGE M. FURT; Deputy Dir. ESTEBAN P. VILIERI; Sec. JOSÉ VÍCTOR ALVAREZ; library of 8,000 books and pamphlets; unique archæological, historical, and period collections housed in the Cabildo (*Town Hall*) built in 1756. Two further buildings have recently been added—the **Pabellón de la Colección "Gnecco"** and the **Pabellón General Belgrano**—which contains exhibits of pottery, furniture, silver and tapestries. The **Museo de Transportes** (*Transport Museum*), in an adjacent building, f. 1942, shows history of Argentine transport from an Indian pirogue to the Spanish hydroplane "Plus Ultra".

Mendoza

Museo de Historia Natural "Juan Cornelio Moyano": Belgrano 970; f. 1911; Dir. Prof. CARLOS RUSCONI; 60,000 exhibits; palæontology, anthropology, archæology, geology, folklore, etc.; unique specimens; specialised library of American and Argentine history; 6,500 vols.; rare editions; publ. *Revista*.

Paraná

Museo Histórico de Entre Rios "Martiniano Leguizamón" (*Historical Museum*): Calle Urquiza 1214 (N); f. 1948; library of 14,500 vols.; Dir. Prof. FACUNDO A. ARCE; Sec. MYRIAM INÉS F. IZAGUIRRE; historical, folklore, archives, numismatics; library specialising in regional, Argentine and American history; archives collection.

Museo de Entre Rios (C.N.A.): Rivadavia 224; f. 1917; Provisional Dir. HUMBERTO PIETRANERA; industry, anthropology, natural sciences; library contains 20,100 vols.; publ. *Memoria* and related works.

Museo de Bellas Artes "Pedro M. Martínez" (*Fine Arts' Museum*): Rivadavia 77; permanent exhibition of drawings, sculpture, engravings and paintings; Dir. CÉSAR FERNÁNDEZ NAVARRO.

Rosario

Museo Histórico Provincial de Rosario: Parque Independencia, f. 1939; regional museum; Hon. Dir. Dr. JULIO MARC.

Museo Municipal de Bellas Artes "Juan B. Castagnino": Br. Oroño y Av. Pellegrini; f. 1937; includes works by El Greco, Goya and José de Ribera; Dir. Arq. PEDRO SINOPOLI.

San Carlos de Bariloche

Museo de la Patagonia "Perito Dr. Francisco P. Moreno": f. 1939; Dir. ALBERTO F. ANZIANO; political history of Patagonia, ethnological, natural sciences; publ. *Anales*.

Santa Fé

Museo de Bellas Artes "Rosa Galisteo de Rodríguez" (*Provincial Museum of Fine Arts*): 4 de Enero 1510; f. 1922; library of 15,000 vols.; collection of contemporary Argentine and modern art; organises lectures, concerts, exhibitions; Dir. HUGO PADELETTI; Sec. NYDIA PEREYRA SALVA.

Santiago del Estero

Wagner Museum: contains more than 135,000 archæological findings of the Chaco-Santiagueno culture and findings of later cultures; these include ceramics, musical instruments and ceremonial objects; the museum is named after two French scholars, Emile and Duncan Wagner, who discovered most of the findings early this century; Dir. Miss OLIMPIA L. RIGHETTI.

COMMISSION

Buenos Aires

Comisión Nacional de Museos y de Monumentos y Lugares Históricos (*Nat. Comm. for Museums and Historic Monuments and Sites*): Avenida de Mayo 556; f. 1940.

STATE UNIVERSITIES

UNIVERSIDAD DE BUENOS AIRES

CALLE VIAMONTE 444,
BUENOS AIRES

Telephone 31-1988.

Founded 1821.

Rector: Ing. HILARIO FERNÁNDEZ LONG.

Vice-Rector: Dr. ANTONIO PIRES.

Secretary-General: Ing. LUDOVICO IVANISSEVICH MACHADO.

Library Director: HANS GRAVENHORST.

Number of teachers: 6,646.

Number of students: more than 76,000.

Publications: *Boletín de Informaciones de la Universidad de Buenos Aires, Revista de la Universidad de Buenos Aires, Guía del Estudiante.* The faculties publish their own periodicals.

DEANS:

Faculty of Law and Social Sciences: Dr. MARCO AURELIO RISOLÍA.

Faculty of Economics: Dr. HONORIO S. PASSALACQUA.

Faculty of Exact and Natural Sciences: Dr. ROLANDO V. GARCÍA.

Faculty of Architecture and Town Planning: Arq. ALFREDO CARLOS CASARES.

Faculty of Philosophy and Letters: Dr. JOSÉ LUIS ROMERO.

Faculty of Engineering: Ing. HUMBERTO CIANCAGLINI.

Faculty of Medicine: Dr. OSVALDO FUSTINONI.

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Faculty of Odontology: Dr. EDUARDO CASTERÁN.

Faculty of Pharmacy and Biochemistry: Dr. ZENÓN MARIANO LUGONES.

FULL PROFESSORS:

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GIOJA, AMBROSIO L., Philosophy of Law

Faculty of Economics (*Cordoba* 2122):

OLIVERA, JULIO H., Money, Credit and Banking
TORANZOS, FAUSTO I., Statistics

Faculty of Exact and Natural Sciences (*Peru* 222):

BALANZAT DE LOS SANTOS, MANUEL A. T. F., Mathematics
BES, DANIEL, Theoretical Physics
BOLLINI, CARLOS G., Theoretical Physics
BUSCH, RODOLFO H., Inorganic Chemistry
CATTANEO, PEDRO, Organic Chemistry
COTLAR, MISCHA, Mathematics
DEFERRARI, JORGE O., Organic Chemistry
DEULOFEU, VENANCIO, Organic Chemistry
GIAMBIAGI, JUAN J., Theoretical Physics
GONZÁLEZ BONORINO, FÉLIX, Geology
GONZÁLEZ DOMÍNGUEZ, ALBERTO, Higher Analysis
GUTIÉRREZ BURZACO, MARIO R., Geometric Orientation and Topology
HUNZIKER, JUAN H., Experimental Biology
IRIBARNE, JULIO V., Meteorology
KLIMOVSKY, GREGORIO, Algebraic Orientation, Logic and Fundamentals
KOWALENSKI, VALDEMAR J., Experimental Physics
KUHNEMANN, OSCAR, Systematic Botany
MONTES, ADOLFO L., Bromatology
MORELLO, JORGE H., Vegetable Ecology
REIG, OSVALDO A., Biology
REISSIG, JOSÉ L., Experimental Biology
RICABARRA, RODOLFO A., Mathematics
ROEDERER, JUAN G., Physics
ROXÍN, EMILIO O., Mathematics
SADOSKY, MANUEL, Applied Mathematical Orientation
SANTALO, LUIS A., Geometry
SILBERMAN, ENRIQUE, Experimental Physics
TRUCCO, RAÚL E., Biological Chemistry
VALENCIA, JUAN I., Experimental Biology
VARSAVSKY, CARLOS M., Theoretical Physics
VARSAVSKY, OSCAR A., Algebraic Orientation
VILLAMAYOR, ORLANDO E., Algebra
VILLAR FABRE, JORGE F., Petrography
WESTERKAMP, JOSÉ F., Experimental Physics
ZADUNAISKY, PEDRO E., Applied Mathematics

Faculty of Architecture and Town Planning (*Alsina* 673):

BUSCHIAZZO, MARIO J., History of Art and Architecture
JANNELLO, CÉSAR V., Design
ONETTO, RAFAEL R., Design

Faculty of Philosophy and Letters (*Viamonte* 430):

ACOSTA, TELMA RECA DE, Psychology of Children and Adolescents
AROCENA, LUIS A., Medieval and Modern History

AZNAR, LUIS, Introduction to History, American History
BARRENECHEA, ANA MARÍA, Spanish Grammar
BORMIDA, MARCELO, Anthropology
BUCCA, SALVADOR, Linguistics
CAILLET BOIS, JULIO C., Spanish Literature
CAILLET BOIS, RICARDO R., Argentine History
FRONDIZI, RISIERI, Ethics, History of Contemporary Philosophy
GERMANI, GINO, Sociology
KOHAN, NURIA C. DE, Statistical Methodology
MASSUH, VICTOR, Philosophy and History of Religions
PAGES, LARRAYA ANTONIO, Argentine Literature
PAYRO, JULIO E., History of Art
PUCCIARELLI, EUGENIO, Logic
ROMERO, JOSÉ L., Social History
SCHLESINGER, RODOLFO, Greek
THIELE, GUILLERMO E., Greek

Faculty of Engineering (Paseo Colon 850):
CASTAGNETTO, LUIS, Analysis and Analytical Geometry
CERNUSCHI, FÉLIX, Physics and Mechanics
GAVIOLA, RAMÓN E., Physics
GUTIÉRREZ BURZACO, JOSÉ M. R., Thermodynamics
PUENTE, HERBERTO A., Physiochemistry and General and Inorganic Chemistry
SAMATÁN, ENRIQUE L., Analysis and Analytical Geometry
SCIAMMARELLA, CÉSAR A., Physics
TREGLIA, CARLOS A., Building
VELA HUERGO, JULIO, Building

Faculty of Medicine (Paraguay 2151):
DE ROBERTIS, EDUARDO D. P., General Comparative Anatomy and Histology
FOGLIA, VIRGILIO G., Human Physiology
MANCINI, ROBERTO E., Histology
MANSI, DOMINGO, Normal Anatomy
MONSERRAT, JOSÉ L., Pathological Anatomy and Physiology
PARODI, ARMANDO S., Microbiology and Parasitology
RUGIERO, HUMBERTO R., Infectious Diseases
STOPPANI, ANDRÉS O. M., Biological Chemistry
STRAJMAN, ENRIQUE, Biological Physics
TAQUINI, ALBERTO C., Human Physiology

Faculty of Agriculture and Veterinary Medicine (Avenida San Martin 4453):
AMOR ASUNCIÓN, MARIO J., Edaphology
BARAÑAO, TEÓFILO V., Rural Engineering
BELCAGUY, PEDRO J. M., Agricultural Hydraulics
BOELCKE, OSVALDO, Agricultural Botany
BURGOS, JUAN J., Agricultural Climatology and Phenology
CAMBEROS, HÉCTOR R., Medical Pathology
CANTER, DOMINGO, Surgical Technique
COZZO, DOMINGO, Forestry
DE VERA, VICTOR R., Anatomy
ERLIJMAN, MAURICIO, Rural Civil Engineering
GIORDANO, HERMINIO J., Cereal Crops
JAUCH, CLOTILDE, Phytopathology
LEVIN, ENRIQUE, Topography
MOLINA, JORGE S., General Agriculture
MORÁN, BENJAMÍN L., Pathological Anatomy
PARODI, LORENZO R., Agricultural Botany
PASO, JULIO A., Oenology
QUINTANILLA, RAÚL H., Agricultural Zoology
REMUSSI, CARLOS, Industrial Crops
RICCITELLI, JOSÉ A., Agricultural Machinery
ROVEDA, RODOLFO J., Parasitic Diseases
SARTORI, ELVINO, Fruit Crops
SORIANO, ALBERTO, Vegetal Physiology and Phytogeography
SORIANO, SANTOS, Agricultural Microbiology
VONESCH, EUGENIO E., Biological Chemistry

Faculty of Odontology (Charcas 2142):
(Titular Professors):
CARRANZA, FERMÍN A., Anatomy
CRESPI, RICARDO A., Clinical Prosthesis
EGOZCUE, MARÍA INÉS, Dental Pediatrics
ERAUSQUÍN, JORGE, Embryology and Histology
FERRÉ, EMILIO, Microbiology
GALMARINI, ANTONIO R., Dentistry
GUILENÍA ORIBE, JOSÉ F., Pathology
HOUSSAY, ALBERTO B., Physiology
MAISTO, OSCAR A., Operational Dentistry
MONTI, ARMANDO E., Odontology
SAIZAR, PEDRO, Clinical Prosthesis

Faculty of Pharmacy and Biochemistry (Junin 951):
BANFI, ROBERTO F. G., Clinical Analyses
CARNEVALE BONINO, ROSA C. d'A. DE, Analytical Chemistry of Medicines
CELSI, SANTIAGO A., Quantitative Chemical Analysis
GERSCHMAN, REBECA, Human Physiology
GÓMEZ, CARLOS, Biological Chemistry
IZQUIERDO, JUAN A., Biological Determination of Medicines, Experimental Pharmacology
JUNG, WALTER, General and Inorganic Chemistry
MARENZI, AGUSTÍN D., Biological Chemistry
NOVELLI, ARMANDO, Organic Chemistry
PALADINI, ALEJANDRO C., Biological Chemistry
SA, ADOLFO, Qualitative Analytical Chemistry
VERNA, LUIS C., Special Microbiology
VILALLONGA CORDOMI, FEDERICO A. S., Physical Chemistry

AFFILIATED ORGANISATIONS:

Escuela Superior de Comercio "Carlos Pellegrini": Charcas 1851; f. 1890; incorporated in the University of Buenos Aires 1912; offers six-year course of commercial education; library of 26,898 vols.; teaching personnel 173.
Rector: Ing. HUGO V. BIOLCATI (a.i.).

Colegio Nacional de Buenos Aires: Calle Bolivar 262, Buenos Aires.
Rector: Dr. HORACIO A. DIFRIERI.
Vice-Rector: Ing. HÉCTOR OTTONELLO.

Centro de Investigaciones Médicas (*Medical Research Centre*): Calle General Donato Alvarez 3000, Buenos Aires.
Director: Dr. ALFREDO LANARI.

Misión de Estudios de Patologia Regional Argentina: Calle Avellaneda 2055, Buenos Aires.
Director: (Vacant).

UNIVERSIDAD NACIONAL DE CÓRDOBA

(Córdoba National University)

CÓRDOBA

Telephone: 97382

Founded 1613; charter received from Phillip III of Spain 1622; fully established by Pope Urban VIII 1634; nationalised 1856.

Rector: Dr. JORGE ORGAZ.
Secretary-General: Dr. JOSÉ MARÍA ESCALERA.
Administrative Director: ENRIQUE ARAGÓN KING.
Treasurer: ANGEL F. SPADA.
Chief Archivist: Dr. HÉCTOR GUILLERMO VÉLEZ.
Librarian: Esc. ISIDORO MARTÍNEZ.
Director of Publications: Dr. SANTIAGO MONSERRAT.

Publications: *Revista de la Universidad, Publicaciones de la Dirección de Publicidad.*

DEANS:

Faculty of Law and Social Sciences: Dr. ERNESTO GAVIER.
Faculty of Medicine: Dr. TOMAS DE VILLAFAÑE LASTRA.
Faculty of Exact, Physical and Natural Sciences: Ing. FERNANDO ESTEBAN.
Faculty of Economics: Dr. CAMILO DAGUM.
Faculty of Philosophy and Humanities: Dr. ALFREDO POVIÑA.
Faculty of Architecture and Town Planning: Arq. LUIS A. RÉBORA.
Faculty of Dentistry: Dr. RICARDO C. MEYER.

DIRECTORS OF INSTITUTES:

Faculty of Law and Social Sciences:
ACUÑA, ALFREDO L., Law of Navigation
BUTELER, JOSÉ A., Civil Law
CAMARA, HÉCTOR, Commercial Law
DESPONTÍN, LUIS A., Labour Law
NÚÑEZ, RICARDO C., Penal Law
POVIÑA, ALFREDO, Sociology and Cultural History
ROMERO, CÉSAR E., Public Law
VÉLEZ MARICONDE, FRANCISCO, Commercial Law, Industrial Legislation

Faculty of Medicine:
ALBARENQUE, MANUEL E., Neurosurgery
BAENA CAGNANI, CARLOS, Allergy
BRAXS, JOSÉ, Cellular Biology
DIONISI, HUMBERTO, Cancer
LANDABURU, RICARDO, Pharmacology
MERCADO, MIGUEL, E. Forensic Medicine
MOISSET DE ESPANÉS, ENRIQUE, Human Physiology
PEREIRA, JULIO C., Maternity
PEREZ, JOSÉ A., Phthisiology and Diseases of the Thorax
SUÁREZ, ANGEL R., Descriptive Anatomy
VANELLA, JOSÉ M., Virology

Faculty of Economics:
ARNAUDO, ALDO A., Economics
BOBADILLA, FRANCISCO, Administration and Accounts

Faculty of Philosophy and Humanities:
BRÜNING, WALTHER, Philosophy
CAHN, ALFREDO, Germanic Languages
CRESTA DE LEGUIZAMON, MARÍA LUISA, Ibero-American
DONGHI DE HALPERIN, RENATA, Italian Literature

GARZON M., CEFERINO, Contemporary History
LARREA, JUAN, New World Studies
LUCERO DE PADRÓN, DOLLY, Spanish Literature and Language
MIATELLO, ROBERTO, Geography
MONTENEGRO, ADELMO, Pedagogy
NÚÑEZ REGUEIRO, VÍCTOR, Anthropology
PIÉROLA, RAÚL, Psychology
SOFO, VICENTE, Classical Languages

Faculty of Architecture and Town Planning: In process of reorganisation.

UNIVERSIDAD NACIONAL DE CUYO
(National University of Cuyo)

CALLE RIVADAVIA 65,
MENDOZA

Telephone: 32337.

Founded 1939.

Rector: Dr. CARLOS A. SACCONE.
Vice-Rector: Ing. Agr. MÁXIMO FEDERICO BOCKLET.
Secretary-General: Dr. OSCAR LUIS MARSANO.
Pro-Secretary-General: Ing. Agr. FELIPE PEINADO.
Director-General of Administration: LAUREANO GORRIZ.
Librarian: Prof. ENRIQUE ZULETA ALVAREZ.

DEANS:

Faculty of Sciences: Prof. PLÁCIDO A. HORAS.
Faculty of Agriculture: Ing. Agr. MANUEL ROMAN CÁCERES.
Faculty of Economics: Prof. CARLOS CONRADO CID.
Faculty of Medicine: Dr. ROGER ZALDIVAR.
Faculty of Philosophy and Letters: Prof. ATILIO ANASTASI.
Faculty of Engineering, Physical and Natural Sciences: Ing. JOSÉ R. GIMBERNAT.

HIGHER INSTITUTES:

Escuela Superior de Artes Plásticas *(School of Plastic Arts).*
Director: Prof. ZDRAVKO DUCMELIC.

Escuela Superior de Estudios Políticos y Sociales *(School of Political and Social Studies).*
Director: Dr. JUAN CARLOS MOLINA.

Escuela Superior de Ingeniería de Petróleos *(School of Petroleum Engineering).*
Director: Dr. HERIBERTO WINDHAUSEN.

Escuela Superior de Lenguas y Literaturas Extranjeras *(School of Languages and Foreign Literatures).*
Director: Prof. LIDIA T. DE TOSO.

Escuela Superior de Música *(School of Music).*
Director: Prof. RAMÓN RODRÍGUEZ BRITO.

Instituto de Física *(School of Physics).*
Director: DR. CARLOS ALBERTO MALLMANN.

TECHNICAL INSTITUTES:

Colegio Universitario Central "Gral. José de San Martín".
Director: Prof. PEDRO RODRÍGUEZ VARAS.

Escuela de Agricultura.
Director: Ing. Agr. JUAN LUIS ROSCIO.

Escuela de Comercio "Libertador Gral. San Martín".
Director: Prof. MIGUEL ANGEL GONZÁLEZ FERNÁNDEZ.

Escuela de Comercio "Martín Zapata".
Director: JUAN S. MANGIONE.

Escuela del Magisterio.
Director: Prof. Dra. AZUCENA BASSI.

Escuela Industrial "Domingo F. Sarmiento".
Director: Ing. JOSÉ OMAR TORO.

Escuela Normal "Juan Pascual Pringles".
Director: Prof. HUGO ARNALDO FOURCADE.

Liceo Agrícola y Enológico "Domingo F. Sarmiento".
Director: Ing. Agr. OSVALDO F. MOYANO.

SPECIAL INSTITUTES:

Departamento de Arte Escénico y Coreográfico.
Director: Prof. CARLOS PERELLÓ.

Escuela de Cerámica.
Director: Prof. DORA ANTONACCI.

UNIVERSIDAD NACIONAL DE LA PLATA
(La Plata National University)

CALLE 7 ENTRE 47 Y 48,
LA PLATA

Telephone: 2-5501.

Founded 1884.

President: Dr. ROBERTO CIAFARDO.
Vice-President: Ing. CONRADO BAUER.
Secretary-General: Dr. OSVALDO BALBÍN.
Librarian: Dr. JUAN MANUEL VILLAREAL.

Number of teachers: 400.
Number of students: 46,932.

Publication: *Revista de la Universidad.*

DEANS:

Faculty of Agriculture: Ing. Agr. HÉCTOR SANTA MARÍA (28 professors).
Faculty of Physics and Mathematics: Ing. CONRADO BAUER.
Faculty of Juridical and Social Sciences: Dr. BARTOLOMÉ FIORINI.
Faculty of Humanities and Education Sciences: Prof. JOAQUÍN PÉREZ.
Faculty of Veterinary Sciences: Dr. GUILLERMO GALLO (25 professors).
Faculty of Chemistry and Pharmacy: Dr. HÉCTOR L. FASANO.
Faculty of Medical Sciences: Dr. LUIS E. PIANZOLA.
Faculty of Natural Sciences: Dr. MARIO E. TERUGGI (19 professors).
Faculty of Economic Sciences: PEDRO DELFINO (19 professors).
Faculty of Architecture and Town Planning: Arq. ALFREDO JUAN KLEINERT (13 professors).

PROFESSORS (*Titulares*):

Faculty of Physics and Mathematics:
ALDERETE, JULIO, Aviation Motors
BARCALA, JUAN M., Circuits and Servomechanisms
BIANCHI, CARLOS S., Theory of Electrical Machines
BOSCH, HORACIO E., Introduction to Nuclear Physics
BOSCH, JORGE E., Topology
CARRERAS, CARLOS A. J., Metallography and Thermic Treatment
CARRI, MARIO S., Electromechanical Installations
COTTA, ROBERTO D., Hydraulic Machines
CHIARAVALLI, AMÉRICO, Industrial Installation Planning
DEDEBANT, JORGE M. J., Meteorology and Flight Theory
DELPECH, SIMÓN A., Study and Testing of Materials
DI MARCO, ADOLFO, General Electronics
DRAGÁN, PABLO, Topography
FERNÁNDEZ, GERMÁN, Special Mathematics
FREYRE, FELIPE F., Mechanical Technology
FOURNIER, ALEJO M., Projective Geometry
GARCÍA, CARLOS A., Thermodynamics
GORDON, JACOBO, Mathematical Analysis
GRANDI, ALBERTO L., Hydraulic Construction
GRAY, ALBERTO R., Electrotechnics and Machines
GRINFELD, RAFAEL, General Physics
GUZMÁN, ARTURO M., Elasticity and Plasticity
HUMET, ENRIQUE, Communications Media
INGLESE, VICTORIO L., Sanitary Engineering
ISERNIA, ARMANDO, General Electrotechnics
JACUBOFF, LEÓN M., Electrical Installations
LOMBARDI, JOSÉ P., Flight Instruments
LUISONI, JULIO C., Statics and Resistance of Materials
MARCELIC, PEDRO, Electrical Exchanges, Energy Transmission
MARTELLI, ARMANDO B. P., Electrical Machine Construction
MCLOUGHLIN, ROGELIO, Planning and Construction of Radioelectrical Equipment
MERCADER, ROBERTO, Laboratory Work
MESNY, MARCELO, Thermic Machines
MIGANNE, VICTOR O., General Hydraulics
MORETTO, ORESTES, Reinforced Concrete Buildings
NEGRI, HELIODORO, Geodesy
PASQUALINI, CLODOVEO, Special and Applied Aerodynamics
POLI, LUIS P., Radioelectric Instruments and Measuring
RODRÍGUEZ, CAMILO, Hydraulics and Hydraulic Machines
SABATO, JUAN, Instruments and Measuring
SLOBODRIÁN, RODOLFO J., Special Physics

STARICCO, JORGE P., Theoretical Physics
TOZZINI, REMO J., Propagation
VENTURA, GERARDO L., Statics and Resistance of Materials
VILHALM, VLADIMIRO, Metallurgy and Founding
VILLAMAYOR, ORLANDO E., Algebra Structure and Topology
VILLARREAL, ENRIQUE P., Theory of Structures
WAINSTEIN, CECILIO, Physics

Faculty of Humanities and Education Sciences:
AGOGLIO, RODOLFO M., Logic, History of Modern Philosophy
AMAVET, ALEJANDRO J., Introduction to Physical Education
ASTI VERA, ARMANDO, Gnosiology
AZNAR, LUIS, Introduction to History
BARBA, ENRIQUE M., History of America
BARROS, ANSELMO G., Gymnastics
BATTISTESSA, ANGEL J., Spanish Literature
BONET, LUIS A., Physical Geography and Mathematics
BRUGGER, ILSE TERESA M. DE, German Literature
CASTAGNINO, RAÚL H., Introduction to Literature
CIRIGLIANO, GUSTAVO F., Philosophy of Education
ESTIU, EMILIO, Contemporary Philosophy, Aesthetics, History of Contemporary Philosophy
FARRE, LUIS, Philosophical Anthropology, Ancient and Medieval Philosophy
FRÍAS, CARLOS V., English Literature and Textual Criticism
GARCÍA, CARLOS F., Argentine History
GHIANO, JUAN C., Argentine Literature
GUGLIELMI, NILDA ELVIRA, Medieval History
HERAS, CARLOS, Argentine History
HERNANDO BALMORI, CLEMENTE, Hispanic Philology, Linguistics
IBÁÑEZ, IRIS ACACIA, French Language and Literature
LEWIS, JORGE R., English Language
LUNAZZI, JOSÉ M., History of Education
MARANI, ALMA NOVELLA, Italian Literature
MARTI, LUCÍA GIMÉNEZ PRADEL DE, English Phonetics and Phonology
MARTINI, MARÍA CLOTILDE REZANO DE, Modern English and North American Literature
MONASTERIO, FERNANDO, Psychology
NASSIF, RICARDO, Pedagogy
NORRIE DE GUILLOUAIS, MARÍA ANGÉLICA, French Language
OTEIZA, DAVID, Geography of the Western Hemisphere
PALACIO, MANUEL R., Geography of the Eastern Hemisphere
PUCCIARELLI, EUGENIO, History of Modern Philosophy
QUIROGA, ZULEMA, Advanced English Grammar
RAVAGNAN, LUÍS M., Introduction to Contemporary Psychology
RODRÍGUEZ BUSTAMANTE, NORBERTO, Argentine Sociology
ROLLA, EDGARDO H., Neurobiology and Psychophysiology
ROSENVASSER, ABRAHAM, Ancient History
RUBENS, ERWIN F., Modern Spanish Literature
SCHLLINGER, RODOLFO M. E., Greek Language and Literature
SIDOTTI, JUAN A., Human Geography
SIRAGUSA, ALFREDO, Argentine Regional Geography
TABERNIG DE PUCCIARELLI, ELSA, French Literature
TAPIA, AUGUSTO, Argentine Physical, Economic and Political Geography
THIELE, ENRIQUE J. G., Greek Language and Culture
VERDE CASTRO, CARMEN, Greek Language and Culture

Faculty of Juridical and Social Sciences:
ALCONADA ARAMBURU, CARLOS R. S., Commercial Law
AMBROSIONI, CARLOS E., Roman Law
BORGA, ERNESTO E., Philosophy of Law
CUETO RUA, JULIO C., Introduction to Law
DÍAZ CISNEROS, CÉSAR, Public International Law
ERRO, CARLOS A., Constitutional History
FASSI, SANTIAGO C., Civil Law
FIORINI, BARTOLOMÉ, Administrative Law
FRÍAS CABALLERO, JORGE, Criminal Law
FRONDIZI, SILVIO, Political Law
GONZÁLEZ, CARLOS E., Notarial Legislation
LASCANO, JORGE, Political Economics
LAZCANO, CARLOS A., Private International Law
LINARES QUINTANA, SEGUNDO V., Constitutional Law, Public, Provincial and Municipal Law
LÓPEZ DEL CARRIL, JULIO J., Civil Law
MALVAGNI, ATILIO, Navigation Law
MALLEA, ENRIQUE N., Procedural Law
MARIENHOFF, MIGUEL A., Administrative Law
MERCADER, AMÍLCAR A., Procedural Law
MOLINARIO, ALBERTO D., Civil Law
PALACIOS, ALFREDO L., Economic Policy
PECO, JOSÉ, Criminal Law
SALAS, ACDEEL E., Civil Law
SILENZI DE STAGNI, ADOLFO F. J., Mining and Energy Law
SPOTA, ALBERTO G. E., Civil Law
TOBAL, GASTÓN F., Roman Law
VIVANCO, ANTONIO C., Agrarian Law,
WATSON, GUILLERMO, Finance and Financial Law

Faculty of Chemistry and Pharmacy:
ACTIS DATO, ALFREDO E., Microbiology, Immunology and Serology
BANDONI, ALFREDO, Phytochemistry
CAMPI, CARLOS H., Chemico-pharmaceutical Industries
CARRIQUIRIBORDE, PEDRO J., General Chemistry
CATOGGIO, JOSÉ A., Qualitative and Quantitative Analytical Chemistry
FAVELUKES, GABRIEL, Biological Chemistry
GIOVAMBATTISTA, HUMBERTO, Special Analytical Chemistry
GIOVAMBATTISTA, NICOLÁS, Organic Chemistry
GUNTHER KRENKEL, TEODORO, Industrial Chemistry
MANUELE, RAÚL J., Quantitative Analytical Chemistry
MENUCCI, LUIS A., Qualitative Analytical Chemistry
MILLÁN, RICARDO E., Comparative Anatomy and Physiology
NETHOL, VÍCTOR, Magistral Pharmacy
NICO, RAÚL, Pharmacognosy
OLIVA, VIRGILIO, Biological Analysis
ORAZI, ORFEO, Organic Chemistry
PINILLA, ALFREDO, Industrial Chemistry
RONCO, JORGE J., Thermodynamics and Industrial Electrochemistry
SCHUMACHER, HANS J., Physical Chemistry
SOLARI, ARTURO A., Hygiene and General Microbiology
STARITA, SANTIAGO, Pharmacodynamics

Faculty of Medical Sciences:
AGUILAR GIRALDES, DELIO J. R., Infant Medicine
ANDRIEU, LUCIANO M., Pathology
ARENA, FRANCISCO, Orthopædics and Traumatology
CARTELLI, NATALIO, Urology
CIAFARDO, ROBERTO, Psychiatry
CIEZA RODRÍGUEZ, LUIS F., Semiology
CONTI, ALCIDES, Dermatology
D'OVIDIO, FRANCISCO R., Phthisiology and Infectious Diseases
GARCÍA OLIVERA, MIGUEL A., Legal Medicine
GOROSTIAGUE, SANTIAGO, Clinical Surgery
LAGRUTA, JOSÉ, Gynæcology
LAMBRE, RÓMULO R., Normal Anatomy
LOZA COLOMER, JULIO C., Hygiene and Social Medicine
MAINETTI, JOSÉ M., Clinical Surgery
MARTINI, JUAN L., Obstetrics
MATUSEVICH, JOSÉ, Oto-rhino-laryngology
MOREDA, JULIO M., Radiology
PIANSOLA, LUIS E., Pathological Anatomy and Physiology
POLAK, MOISÉS, Histology and Embryology
PLA, RUBÉN, Normal Anatomy
ROMERO, RODOLFO L., Clinical Medicine
SCHAPOSNIK, FIDEL, Clinical Medicine
SEPICH, MARCELINO, Neurology
SORIA, MIGUEL F., Toxicology
TOSI, BRUNO, Ophthalmology
TRINCA, SAÚL E., Surgery
TROPEANO, ANTONIO, Microbiology and Parasitology

SELECTED AFFILIATED SCHOOLS AND INSTITUTES:

Colegio Nacional (*National College*).
Rector: Prof. JORGE CRESPI.

Escuela Superior de Bellas Artes (*School of Fine Arts*): number of teachers 86.
Director: Ing. JULIO C. OCAMPO.

Escuela Graduada "Joaquín V. González" (*Graduate School "Joaquín V. González"*).
Director: Prof. BEATRIZ ARREGUI Y OLAECHEA.

Escuela de Periodismo (*School of Journalism*).
Director: PASCUAL CAFASSO.

Escuela Práctica de Agricultura y Ganadería "María Cruz y Manuel L. Inchausti" (*School of Agriculture and Stockbreeding*): number of teachers 7.
Director: Ing. Agr. DOMINGO ARAMBARRI.

Instituto Superior del Observatorio Astronómico (*Astronomical Observatory*): confers degrees of Doctor; number of professors 11.
Director: Dr. Ing. SIMÓN GERSHANIK.

Division LR11 (Radio Universidad) (*University Radio Station*).
Director: ANGEL NÚÑEZ.

Departamento de Extensión Universitaria (*University Extension*).
Director: Prof. GUILLERMO SAVLOFF.

UNIVERSIDAD NACIONAL DEL LITORAL

(National University of the Litoral)

BOULEVARD PELLEGRINI 2750, SANTA FÉ

Telephone: 31061 and 31805.

Founded 1919.

Rector: Ing. CORTÉS PLA.

Vice-Rector: Ing. ALBERTO G. DAVIE.

Secretary-General: A. JULIO CÉSAR CAPPARELLI.

Number of teaching staff: 1,406 professors.

Number of students: 15,330.

Publications: *Universidad*, *Boletín Informativo*; works relating to the different Faculties and Institutes.

DEANS:

Faculty of Juridical and Social Sciences: Dr. LUIS MUÑOZ.

Faculty of Chemical Engineering: Ing. Qco. ALBERTO GUILLERMO DAVIE.

Faculty of Medical, Pharmaceutical and Related Sciences: Dr. JOSÉ SILBERSTEIN (supervisor).

Faculty of Physico-Chemical, Mathematical and Industrial Applied Sciences: Ing. JOSÉ LEÓN GARIBAY.

Faculty of Economic, Commercial and Political Sciences: Dr. SAMUEL GORBÁN.

Faculty of Philosophy and Letters: Dr. ADOLFO PRIETO.

Faculty of Odontology: Dr. JOSÉ B. FORNÉS.

Faculty of Education: Prof. RAMÓN FÉLIX CAROPRESI.

PROFESSORS (*Titulares*):

Faculty of Juridical and Social Sciences, (Candido Pujato 2751, Santa Fé):
ACUÑA, EDUARDO, Agrarian Law
ARDOY, HÉCTOR E., Civil Law
ARRIBILLAGA, RICARDO, Political Law
BAYER, SIXTO, Finance and Financial Law
BIELSA, RAFAEL, Administrative Law
BOSCH, JULIA BEATRIZ, Constitutional History
BREBBIA, ROBERTO H., Civil Law
BUSANICHE, JOSÉ C. R., Constitutional History
CARLOS, EDUARDO B., Procedural Law
CÓRDOBA Y DEL AMO, LUIS, Finance and Financial Law
GSCHWIND, FRANCISCO J., Civil Law
JAUREGUIBERRY, JORGE A., Roman Law
LASSAGA, OMAR A. DEL CARMEN, Notarial Legislation
LÓPEZ CUESTA, DOMINGO M., Introduction to Law
MARTÍNEZ, RUDESINDO, Philosophy of Law, International Public Law
MARTÍNEZ DE SAN VICENTE, JULIO, International Private Law
MOLINAS, LUCIANO F., Finance and Financial Law
MOSSET ITURRASPE, MARIO B., Political Law
MUÑOZ, LUIS, Commercial Law
ORTIZ DE GUINEZ, LUIS, Maritime Law
PRATS CARDONA, JAIME, Penal Law
RABOTNIKOF, ABRAHAM, Introduction to Law
REY RÍOS, ROBERTO R., Roman Law
RIBACOBA Y RIBACOBA, MANUEL DE, Introduction to Law
ROMERA VERA, ANGELA C., Sociology
ROUZAUT, ADOLFO R., Constitutional Law
RUBINO, OSCAR B., Forensic Medicine
SAN VICENTE, JULIO M. DE, Private International Law
SAUX ACOSTA, EDGARDO, Civil Law
TERAN LOMAS, ROBERTO A. M., Penal Law
WEIDMANN, RODOLFO A., Administrative Law

Faculty of Chemical Engineering, (Santiago del Estero 2829, Santa Fé):
BAIALARDO, JOSÉ, Industrial Organisation and Planning
CORTI, ALBERTO L., Toxicology and Forensic Chemistry
DAVIE, ALBERTO G., Industrial Automation
EMILIANI, EZIO, Industrial Microbiology
LARA MANNING, MAURICIO, Physics
MASCOTTI, NÉSTOR, General and Applied Microbiology
MÉNDEZ, RAFAEL O., Thermodynamics
MILIA, JOSÉ Z. L., Industrial Technology
MULLOR MUNNÉ, JORGE B., Inorganic Chemistry
NIGRO, ALBERTO C., Units of Measurement
OTTALAGANO, ARMANDO R., Mathematics
PARERA, JOSÉ, Units of Time
PONS, JORGE J., Inorganic Chemistry
PRELAT, CARLOS E., Instrumental Analytical Chemistry
PRONO, CARLOS H., Parasitology
PUJOL, RODOLFO, Biological Chemistry and Analysis
SALGADO, JOSÉ, Technical Drawing
SAMATÁN, JUAN M., Industrial Construction
SMILES, ENRIQUE, English
VERGARA, EMILIO A., Physiochemistry
VIRASORO, ENRIQUE A., Organic Chemistry

Faculty of Medical, Pharmaceutical and Related Sciences (Santa Fé 3100, Rosario):
ARNOLT, ROQUE I., Toxicology and Forensic Chemistry
BABINI, RAFAEL, Clinical Surgery
BARMAN, JULIO M., Biophysics
BURLE, ANTONIO, General and Inorganic Chemistry
CAMES, OSCAR, Clinical Surgery
CASTAÑE DECOUD, ANÍBAL H., Anatomy, Histology and Embryology
CELORIA, JOSÉ, Pædiatrics and Child Health
CIFARELLI, FRANCISCO P., Radiology
CIGNOLI, FRANCISCO, Technical Pharmaceutics
CORTÉS, JUAN, Semeiology
DELGADO, RICARDO, Surgical Pathology
ERCOLE, RICARDO, Urology
FERNÁNDEZ, JOSÉ M. M., Dermatology
FERRARI, ENRIQUE O., Mathematics
FIGUEROA CASAS, PEDRO, Gynæcology
GABRIEL, ALBERTO, Applied Physics of Pharmacy
GASPARY, FERNANDO V., Semeiology
GONZÁLEZ, ALCIBIADES, Forensic Odontology
GRICHENER, ERNESTO, Microbiology and Parasitology
INVALDI, ANGEL, Infectious Diseases
KELLY, LUIS, Pharmaceutical Chemistry and Analysis
LAVARELLO, ADOLFO G., Obstretics
LEVIT, LEÓN, Forensic Medicine
MANZONI, ANTONIO F., Normal Anatomy
MAROTTOLI, OSCAR, Orthopædics and Traumatology
MARTÍNEZ, JUAN, Clinical Medicine
MINNHAAR, TEODORO C. F., Clinical Therapeutics
MON, RICARDO B., Obstetrics
MORI, JUAN J., Pharmacognosy
MURATORIO, JORGE R., Organic Chemistry
PARACHU, LEONARDO, Clinical Neurology
QUARANTA, ALFONSO P., Psychiatry
RODRÍGUEZ ROSELLI, GERMÁN A., Anatomy
SABAH, EDGARD R., Chemistry
SCHAFFER, BERNARDO, Pharmacology
SEVLEVER, DAVID, Social Medicine and Hygiene
SILBERSTEIN, JOSÉ, Clinical Medicine
SLOER, MOISÉS, Medical Pathology
TEJERINA FOTHERINGAN, W., Clinical Surgery
TROILO, E. B., Child Psychiatry
VILA ORTIZ, JUAN M. P. E., Ophthalmology

Faculty of Physio-Chemical, Mathematical and Industrial Applied Sciences (Avenida Pellegrini 250, Rosario):
BANCORA, M. E. G., Physics
BENDER, ABRAHAM H., Stability
BENETTI APROSIO, CÉSAR A., Architecture
BLODORN, ADALBERTO A. R., Wood and Metal Buildings
CARCEDO, MARIO, Hydraulics and Machinery Hydraulics
CHICHONI, ROBERTO, Stability
CLUZEL, ANDRÉS J. A., Electrochemistry and Electrometallurgy
CÓRDOBA, JORGE H., Internal Combustion Motors
CORNERO, GUILLERMO A., Roads
DI DOMENICA, MARIO, Thermal Machines and Plant
FARENGO, ADOLFO P., Railways
FERRARI,, CARLOS I. Electrotechnics
FERRARI, ENRIQUE O., Analytical Geometry
FONTANA, JUAN E., Metallurgy and Electrical Materials
GARIBAY, JOSÉ L., Accounting
GASPAR, EDUARDO, Calculus
GIRALDI, MARIO J., Reinforced Concrete
HERNÁNDEZ LARGUÍA, HILARIÓN, Economics and Organisation
ISELLA, CARLOS, Masonry and Reinforced Concrete
IVANISSEVICH, LUDOVICO, General Hydraulics
JUNCOS, R. I., Study and Testing of Materials
LOUREIRO, JORGE A., Topography
MANUS, ALBERTO, Drawing
MARTÍNEZ DE SAN VICENTE, E., Mechanical Technology
MATTION, ALDO B., Electrotechnics and Electrical Machines
MATTANÓ, NOÉ N., Electrical Plants and Networks
MOLINA, RICARDO L., Industrial Plants and Machinery
MOREIRAS MARQUE, CARLOS, Legal Engineering
PADULA, RAFAEL A., Technological Chemistry
PASOTTI, PIERINA ANTONIETA ERNESTINA, Minerallurgy and Geology
PLÁ, CORTÉS, Physics
PLÁ DE VINACUA, LIDIA E. E., Town Planning
ROCCA, ARTURO, Ports, Rivers and Canals
ROSSI, DOMINGO, Hydraulics and Sanitary Engineering
RUBINSTEIN, SIMÓN, Geodesy
SAID, ENRIQUE, Building Construction
SCHMIDT, CARLOS E., Projective and Descriptive Geometry
SEGOVIA MAYER, MARIO A., Drawing

Suiffet, Silvestre L., Thermodynamics
Torres, Fernando L., Soil and Foundation Mechanics
Valenti, Osvaldo, Industrial Organisation, Economy and Finance, Thermodynamics
Weimüller, Waldo W. F., Mechanics and Elements of Machinery

School of Architecture and Town Planning (Avenida Pellegrini 250, Rosario):

Director: Hermes Z. Sosa.

Augsberger, Edy, Architecture
Benetti Aprioso, César, Architecture
Borgato, Jorge B., Building
Borthagaray, Juan, Architecture
Bullrich, Francisco, Amenity Integration
De la Torre, Rufino E., Architecture
Distéfano, José E., Construction
Garibay, José L., Stability
Gaspar, Eduardo, Mathematics
Hardoy, Jorge, Planning
Hernández Larguía, Hilarión, Architecture
Lenti, José, Architecture
Podadera, Antonio R., Representational Systems
Rubinstein, Simón, Mathematics
Sosa, Hermes, Architecture
Vila Ortiz, Jorge, Landscape

Faculty of Economic, Commercial and Political Sciences (Boulevard Orono 1261, Rosario):

Arévalo, Juan A., Public Finance
Arribillaga, Ricardo, Political Law
Arrue Gowland, Alberto C. E. B., Civil Law
Baro Graf, Juan C., Technology
Basso, José A., Political Economy
Berdou, Ernesto P., Political Economy
Blustein, Manuel I., Industrial and Agrarian Economy
Borras, Modesto J., Stock, Co-operative and Insurance Companies
Claret de Voogd, Lilia P. D., History of Diplomacy
Cúneo, Eduardo, Actuarial Analysis
De Juano, Manuel J., Finance
De La Fuente, E. E., Political Economy
Díaz de Brito, Sergio, Political History of Argentina
Diederich, Edgardo H., Bankruptcy and Bankruptcy Procedure
Eijo, Oscar C., Prices
Farina, Juan M., Commercial Law
Gaspar, Antonio, Banking
Gaspar, Eduardo, Mathematics
Goldschmidt, Werner, International Private Law
Gorbán, Samuel, History of Economic Doctrine
Lechini, Francisco E., Accountancy
Lucchini, Rinaldo E., Labour and Industrial Law, Rural Management
Malaponte, Eugenio, Administrative Law
Marc, Julio, World Political Economy
Martínez, Oscar R., Mathematics
Mazza, Sigfrido C., Statistical Analysis of N Variables
Monzón de Madariaga, María Alicia, Elementary Applied Statistics
Moreiras Marque, Carlos, Transport Economics
Muniagurria, Carmelo J. M., Constitutional Law
Ortíz de Guinea, F. O. J., Maritime Law
Parachú, Oscar A., Mathematical Analysis
Pérez, Roberto, Finance
Racciatti, Hernán N. F., Civil Law
Rey Ríos, Roberto R., Languages
Rodríguez, Adolfo, Languages
Rodríguez, Araya, Raúl, Public International Law
Rofman, Edmundo, Mathematics
Rouzaut, Adolfo R., Constitutional and Administrative Law
Servy, Elsa Clotilde, Statistical Theory
Somoza, Pía, Mathematics
Stein Couzier, Carlos E. R., Economic Geography
Suardi, Juan C., Mathematics
Suárez, María, Statistical Analysis
Terrosa, María Inés, Administrative and Censual Statistics
Visconti, Rubén, Prices
Zilli, Héctor P., Auditing, Financial Analysis, Interpretation of Balance Sheets

Faculty of Odontology (Santa Fé 3100, Rosario):

Añaños, Víctor, Radiology and Physiotherapy
Bueno, Enrique, Physiology
Castañe Decoud, Aníbal, Anatomy, Histology and Embryology
Fornés, José B., Introduction to Technics
Gascard, Enrique, Clinical Prosthesis
Gidekel, Saúl, Semeiology
González, Alcibíades, Dental Economy
Jannelli, Bruno, Anatomy
Ledesma, Máximo, Operational Dentistry
Marmonti, Oscar, Technique of Prosthesis
Noste, José, Clinical Prosthesis
Occhi Uranga, Martín, Exodontics
Pecorone, Domingo, Pharmacology, Therapeutics and Hygiene
Soler, René, Exodontics and Dental Surgery
Torres, Frutos, Orthodontics
Tuero, Enrique, Operational Dentistry
Vignau, Edgardo, Operational Dentistry

Faculty of Education (Rivadavia 106, Parana):

Baraldi de Marsal, Sonia, Science and Philosophy of Education
Barbagelata, Eduardo A., Psychology
Calvoso, Juan C. M., Psychology
Chiaramonte, José C., History of Argentine Thought and Culture
Echauri, Raúl V. E., Logic
Hernández, María, Latin Language and Culture
Lilli, Furio, History of Medieval Philosophy
Lothringer de Rossi, R., English Idiom
Melella, O. F., Greek Language and Culture
Montoya de Hirschson, I. E., General Didactics
Ortiz de Montoya, Celia, Introduction to Philosophy—Pedagogy
Puentedura de Ferrari, María E., Greek Language and Literature
Ravera, Rosa María, Ethics
Romera Vera, Angela, Sociology
Sander de Foster, Nelly, Introduction to History
Travadelo, Delia, Introduction to Literature
Vasconi, R. L., History of Ancient Philosophy
Vicente, Norma, Didactics

Faculty of Philosophy and Letters (Entre Rios 750, Rosario):

Bernstein, Jaime, Educational Psychology
Busaniche, José C. R., Argentine History
Cappalletti, Angel J., Ancient Philosophy
Carilla, Emilio, Spanish American Literature
Carpio, Adolfo P., Modern Philosophy
Cassani, Jorge L., Ancient History
Estiú, Emilio A. Ethics
Frattoni, Oreste, Spanish Literature
Gutiérrez Márquez, José M., Anatomy and Physiology
Halperín, Tulio, Argentine History
Hernández, María, Latin Language and Culture
Lamarque de Romero Brest, G. L., Methodology
Moldenhauer, M. A. G., Linguistics and North European Literature
Orta Nadal, Ricardo, Oriental Ancient History
Ortiz de Montoya, Celia, Introduction to Philosophy
Passotti, Pierina A. E., Physical and Human Geography
Pérez, León S., Evolutionary Psychology
Prieto, Eduardo J., Latin
Rey Ríos, Roberto René, Greek Literature
San Román, José, Latin Language and Culture
Sander de Foster, Nelly, Introduction to History
Sivori, E., History of Art
Thiele, Guillermo, Greek Language and Culture
Tramontín, José, Introduction to Psychology
Travadelo, Delia, Introduction to Literature

UNIVERSIDAD NACIONAL DEL NORDESTE

(National University of the North-East)

25 DE MAYO No. 868,
CORRIENTES

Telephone: 5060.

Founded 1957.

Rector: Dr. José D. Valenzuela.
Vice-Rector: Cont. Félix Ernesto Terzano.
Secretary-General: Dr. Carlos A. Porta.
Librarian: María E. Leconte.

Number of teachers: 505, including 28 professors.

Number of students: 4,300.

Faculties situated at Corrientes:

Faculty of Agriculture and Veterinary Sciences

Facultad de Agronomía y Veterinaria: Sargento Cabral 2139, Corrientes.

Dean: Héctor Mario Cenoz.
Secretary: Jorge Isaac Rivero.
Librarian: Prof. Angela María Gregoreski.

Professors (*Titulares*):

Agriculture

Arismendi, Armando E., Agricultural Machinery
Casco, Ogsmaro, Phytopathology
Cenoz, Héctor M., Industrial Crops and Cereals
Demarchi, Alfredo E., Agricultural Engineering
Diez, Ricardo, Physics

FARQUHARSON, DAVID F., Organic Chemistry
GIMÉNEZ D., JORGE E., Economy, Sociology and Rural Legislation
GONZÁLEZ, EUDORO, Subtropical Plants
HENAIN, ANTONIO, Subtropical Plants
MALDONADO, HUGO W., Practical Agriculture
MARTÍNEZ C., RAÚL N., Botany
MARTÍNEZ, D. JUAN, Climatology
MOGILNER, ISIDORO, Physiology
MOTTER, GERÓNIMO F., Inorganic Chemistry.
ORTIZ, RAÚL A., Topography
PÉREZ, CICILIO, Fruit Cultivation
POLO, SAÚL E., Soil Science
TASSANO, DOMINGO, Mathematics
VALENTINI, JOSÉ E., Forestry
VALLEJOS, GUILLERMO, Horticulture and Floriculture

Veterinary Sciences

AUCAR, VICENTE, Animal Infections
AZULA, E. JUAN, Anatomy
BENÍTEZ, JOSÉ A., Pharmacology
CONTRERAS G., C., Agrarian Economy
DESIMONI, H. N., General Zootechnics
DÍAZ, BENITO E., Histology and Embryology
GUISASOLA, JOSÉ N., Fauna
GUTNISKI, ABRAHAM, Physiology
IBÁÑEZ, ESTEBAN A., Surgery
LAFFONT, HUGO E., Sera and Vaccines
LOMBARDERO, OSCAR J., Zoology
LORI, ROBERTO D., Pathological Surgery
MAYER, HORACIO F., Food Hygiene
ORTEGA, ELOY M., Dairy and Canning Industries
SCHIFFO, HIGINIO P., Livestock Veterinary Medicine and Surgery
STOFFEL, JOSÉ M., Grain Exploitation
TORANZOS, LÁZARO, Microbiology
VELÁZQUEZ, GREGORIO, Biological Chemistry

Affiliated Institute

Escuela Regional de Agricultura, Ganadería e Industrias Afines.

Faculty of Medicine

Facultad de Medicina: Sgto. Cabral 2001, Corrientes.

Dean: Dr. ARMANDO ROMERO.
Secretary: Dr. BERNARDO IGARZABAL.
Librarian: PABLA DE LA CRUZ MORAL DE FERRANDI.

PROFESSORS (*Titulares*):

ADEN, ALFREDO, Clinical Gynæcology
ALSINA, WALTER A., Normal Histology and Embryology
BRAGE, DIEGO, Neurology
CHERVIN, MANUEL, Clinical Ophthalmology
COLODRERO, PRIMO M. MEANA, Psychiatry
CORRALES, FERNANDO P., Clinical Obstetrics
DE LA VEGA, MARCO A., Clinical Geniture
IGLESIA, MANUEL H., Clinical Dermatology
MONZÓN, ROMILIO, Surgery
MUCHNIK, SIMÓN H., Medical Pathology
PASO, JUAN R., Infectious Diseases
ROMERO, ARMANDO C., Pathological Surgery

SCHOOL OF LAW

Escuela de Derecho de Corrientes: Cabral 2120.

Dean: Dr. JORGE ISAAC GARCÍA.
Secretary: CARLOS EMILIO LED.
Librarian: MARÍA ESTELA LECONTE.

PROFESSORS (*Titulares*):

ABELENDA, CÉSAR A., Civil Law
AQUINO, ANTONIO P., Political Law
ARBO, TOMÁS A., Commercial Law
BALBASTRO REGUERA, DIEGO G., Introduction to Law
BELCASTRO, PABLO N., Procedural Law
BENITEZ, OSVALDO M., Constitutional Law
BERAJA, ADOLFO S., Introduction to Law
BILLINGHURST, ROBERTO A., Constitutional Law
BLANCO, AUGUSTÍN J., Commercial Law
BLASCO FERNÁNDEZ DE MOREDA, FRANCISCO, Philosophy of Law
CONTRERAS GÓMEZ, CARLOS A., Penal Law
CONTTE, JOSÉ J., Civil Law
DANSEY, CARLOS A., Civil Law
DE LA TORRE, LISANDRO O., Civil Law
DE LA VEGA, BLAS B., Procedural Law
DE LA VEGA, PEDRO M., Labour Legislation
DÍAZ COLODRERO, CARLOS J. G., Commercial Law
FESTORAZZI, SAÚL A., International Public Law
GALLINO YANZI, CARLOS V., Penal Law
GARCÍA, JORGE I., Public Law
GUERRERO, VÍCTOR A., Procedural Law
GUTNISKY, ALBERTO V., Social Law
GUTNISKY, LEÓN H., Law of Navigation
HARVEY, RICARDO J., Civil Law
IGLESIA, CIRO R., Commercial Law
JAROSLAVSKY, ABRAHAM I., International Public Law
MALDONADO, CLEMENTE, Agrarian and Mining Law
MANSUTTI, LUIS T., Finance and Financial Law
MARIÑO, JORGE R., Navigation Law
MEHESZ, CORNELIO Z., Roman Law
MOHANDO DE DUARTE, GLADYS FLORENCIA, Civil Law
NICOLINI, NÉSTOR E., Commercial Law
ORTÍZ, JUAN J., Roman Law
PERIS, JUAN C., Procedural Law
PICHOT, ALBERTO R., Administrative Law
POPESCU, MIGUEL P., Political Economy
REVIDATTI, GUSTAVO A., Political Law
SANSSERRI, JUAN B., Procedural Law
VARGAS GÓMEZ, CARLOS M. R., Constitutional History
VIRASORO, LEOPOLDO A., Penal Law
YUNES, RUBÉN J., Political Economy
ZABALA, CARLOS A., Civil Law

Facultad de Ciencias Exactas, Físicas y Naturales (*Faculty of Exact, Physical and Natural Sciences*): Corrientes.

Dean: OSCAR JACINTO LOMBARDERO.

PROFESSORS (*Titulares*):

BORGNA, JUAN E., Spherical Trigonometry, Cosmography and the Elements of Astronomy
FARQUHARSON, DAVID F., Analytical Chemistry
GARCÍA SOLA, EMILIO A., Industrial Chemistry
GÓMEZ VARA, MANUEL E., Physical Chemistry and General Chemistry
LOMBARDERO, OSCAR J., Vertebrate Zoology
LLANO, NELLY GASTÓN DE, Algebra and Plane Trigonometry
MÉNDEZ, ALFRDEO R., Metric Geometry

SCHOOL OF LAND-SURVEYING

Escuela de Agrimensura: Sargento Cabral 2105, Corrientes.

Director: Agr. Nac. DOMINGO ADOLFO TASSANO.
Secretary: MARÍA DEL PILAR MUÑOZ.
Number of professors: 13.

Instituto del Profesorado: Sargento Cabral 2105, Corrientes.

Director: Ing. JORGE ATLÁNTICO RODRÍGUEZ.
Secretary: Prof. CLARA FANNY L. R. DE KESNER.
Librarian: Prof. LILA RABINOVICH.
Number of professors: 38.

Faculties situated at Resistencia:

SCHOOL OF ECONOMIC SCIENCES

Escuela de Ciencias Económicas: Advas. Castelli y Las Heras, Resistencia.

Dean: MIGUEL TESÓN.
Secretary: ERMACORA N. COMINI.
Librarian: VICENTE GUERRERO.

SCHOOL OF HUMANITIES

Escuela de Humanidades: Avda. Las Heras 727, Resistencia.

Dean: ARTHUR J. HAND.
Secretary: ALICIA LOMBARDI CONNAUGHTON.
Librarian: BRONISLAVA BITTERMAN.

OTHER SCHOOLS AT RESISTENCIA

Instituto Agrotécnico: Dir. PEDRO FUENTES GODO.

Instituto de Extensión Universitaria: Dir. Dr. ABRAHAM JAROSLAVSKY.

Instituto de Medicina Regional: Dir. Dr. HORACIO MAYER.

UNIVERSIDAD DE LA PAMPA

MITRE 63, SANTA ROSA
Telephone: 2408.
Founded 1958.

Rector: Arq. EDUARDO PEDRO RODRÍGUEZ POZOS.
Secretary-General: Dr. ALBERTO BENITO SEGALÁ.
Librarian: Dr. CIRO L. ONGARO.
Number of professors: 70.
Number of students: 575.

DEANS:

Faculty of Agronomy: Ing. Agr. SANTIAGO BOAGLIO.
Faculty of Economic Sciences: Dr. RICARDO J. TELLERIARTE.

PROFESSORS (*Titulares*):

Faculty of Agronomy:
AXAT, RAÚL, Agrarian Economy
BENCHETRIT, ISAAC, Agricultural Microbiology
CARIZZA, RAÚL, Introduction to Zootechnics
COVAS, GUILLERMO, Biometrics, Calculus, Morphology, and Systematic Biology
FORMENTI, ROBERTO, Chemistry, General, Organic and Inorganic
FOURNIER, ALEJO, Physical Biology
LASSALLE, JUAN C., Climatology
POSE-RODRÍGUEZ, GUALBERTO, Fruticulture
RAFAEL, ALBERTO, Mathematics and Applied Mechanics
RANA, ROBERTO, Horticulture and Floriculture
ROSSI, JUAN B., Vegetable Physiology and Phytogeography

Faculty of Economic Sciences:
BERGEL, SALVADOR D., Private Law
BESADA, ALBERTO L., Higher Accounting

BORAGINA, OSCAR A., Fundamentals of Accountancy
CASTRESANA, FRANCISCO S., Business Economy and Higher Accountancy
COLOMBATO, JULIO, World Economic Geography
DENOUARD, ATLIO, Argentine Economic Geography
DURAND, VICTOR B., Public Law
ETCHEGOYEN, JULIO A., Economics and Professional Practice
FERREIRA, ANGEL H., Banking Organisation
GIANELLA, OZIAS G., Methodological Statistics
GONZÁLEZ P., PEDRO, Economic Geography
HORNIA, JUAN, Economy and Economic Principles
LAFFITTE, JULIO M., Private Law
LICCIARDO, CAYETANO, Public Accounting
MAZZA, VELMARD E., Financial and Actuarial Mathematics
NOVA, JULIO C., History of Economics, Social Economy
RAFAEL, ALBERTO, Mathematical Analysis
RICCI, JOSÉ C., Public Law

UNIVERSIDAD NACIONAL DEL SUR
(National University of the South)

AVENIDA COLÓN 80,
BAHIA BLANCA
Telephone: 24986.
Founded 1956.

Rector: Dr. AZIZ-UR RAHMAN.
Vice-Rector: Dr. PEDRO MORÁN OBIOL.
General Secretary: Dr. JORGE OMAR ACHINELLY.
Librarian: Prof. NICOLAS MATIJEVIC.

DIRECTORS OF DEPARTMENTS:

Mathematics: Ing. JOSÉ MARÍA ARANGO.
Physics: Ing. JOSÉ MARÍA ARANGO.
Geography: Prof. PEDRO GONZÁLEZ PRIETO.
Geology: Dr. ARTURO E. CORTE.
Accountancy: AMÉRICO A. MALLA.
Humanities: Prof. ELVA MARÍA PINO.
Economics: Dr. LASCAR SAVEANU.
Agricultural Technology: Ing. JULIO CÉSAR LUCERO.
Engineering: Ing. NÉSTOR ANTONIO CASANOVA.
Chemistry: Dr. AZIZ-UR RAHMAN.
Electro-technics: Ing. JORGE SANTOS.

DIRECTORS OF INSTITUTES:

Institute of Economics: UROS BACIC.
Institute of Humanities: HÉCTOR EDUARDO CIOCCHINI.
Institute of Engineering: Ing. JOAQUÍN TÍTOLO.
Institute of Mathematics: Dr. ANTONIO MONTEIRO.
Institute of Edaphology and Hydrology: Dr. MARCOS TSCHAPEK.

PROFESSORS (*Titulares*):

Department of Agronomy:
BARNES, HÉCTOR R., Soil Classification and Mapping
DAMARIO, EDMUNDO, Meteorology and Agricultural Climatology
DARLAN, LUIS A., Microbiology
DE CARLI, RUBÉN M., Applied Mechanics
GUICANDUT, JUAN J., Bovine Techniques
KOPSIC, TOMISLAV, Phyto-Chemistry
LEIBOFF, ROBERTO O., Ecology, Fodder
LUCERO, JULIO C., Edaphology
LUQUE, JORGE A., Agricultural Hydraulics
MANTEROLA IRAZU, NÉSTOR, Anatomy and Physiology-Zootechnical
MARCHESI, SIRIO D., Mechanical Agriculture
NIELLO, MAURICIO, Zoology and Agricultural Entomology
NÚÑEZ, OVIDIO, Genetics and Phytotechnics
RAPOPORT, EDUARDO H., Zoology
UBOLDI, JUAN A., Phyto-Pathology, Arboriculture
VERETTONI, HAYDÉE N., Botany

Department of Accountancy:
ARATA, ROBERTO, Private Law
BIANCHI, LOBATO J., Organisation and Legislation
BOUZAT, LUIS F., Private Law
CASTAGNET, JUAN C., Economics and Industrial Organisation
FERNÁNDEZ, ALFONSO, Organisation of Business
FILIPPINI, JULIO N., General Accountancy
FUNES, GUESALAGA G. Public Law
GARCÍA PEREYRA, JOSÉ L., Private Law
GRANONI, RAÚL A., Public Accountancy
JAVKIN, BENJAMÍN, Theory and Technique of Finance
MALLA, AMÉRICO A., Professional Judicial Actions
MARTELLA, JUAN F., Labour Law
MONACELLI, GUALTERIO, Public and Private Law
PARTNOY, SALOMÓN, Auditing
PLINER, ADOLFO, Private Law
TERZOLI, RENATO, Economics and Industrial Organisation

Department of Economics:
BACIC, UROS, Introduction to Economics, Theory of Prices
LÓPEZ ABUIN, ALBERTO, Transport Economics
MANOLIU, FLORÍN, Money and Credit, International Economics
MARTELLA, JUAN F., Finance
RINGUELET, ANDRÉS, Agrarian Economy
RODRÍGUEZ MEITIN, BENIGNO, Introduction to Economics
SAVEANU, LASCAR, Economic History, Economic Fluctuations

Department of Electro-technics:
ABITANTE, OSVALDO J., Measuring Instruments
ALVAREZ, ALBERTO C., Transmission of Energy
ARANGO, HÉCTOR, Theory of Fields and Circuits
BAMBILL, EDUARDO B., Electro-technics
FEINSTEIN, JAIME, Servo-mechanisms
SANTOS, JORGE, Ing., Electronic Computers
VALENTINUZZI, MÁXIMO E., Electronics

Department of Physics:
ALVAREZ, ALBERTO C., Physics
BARRAL, RAÚL, Thermodynamics
DAUB, WALTER E., Rational Mechanics
OBIOL, ELIA E., Physics

Department of Geography:
GONZÁLEZ PRIETO, PEDRO, Economic Geography
GUILLAMÓN, NIDIA, Bio-geography
HERNÁNDEZ IBÁÑEZ, JULIO, Historical Geography
IVANISSEVICH, OSCAR, Meteorology and Climatology
LARRE, RICARDO, Mathematical Geography and Cosmography
NAWRATIL, ROLANDO, Meteorology and Climatology
SIDOTI, JUAN, Geography of N. America
TAPIA, AUGUSTO, Physical Geography of Argentina

Department of Geology:
BERNASCONI, OSCAR H., Mining Geology, Economic Geology
BURMISTROV, SIMÓN, Structural Geology
CALMELS, AUGUSTO P., Geomorphology, Petrology
CORTE, ARTURO E., Physical Geology
DESSANTI, RAÚL, Argentine Geology, Historical Geology
FURQUE, GUILLERMO, Applied Geology
KROGER, JUAN, Mining and Economic Geology
LOSADA, OSCAR H., Mineralogy and Applied Geology
ORLANDO, HÉCTOR A., Palæontology
PROZZI, CÉSAR R., Field Geology
TAPIA, AUGUSTO, Applied Geology

Department of Humanities:
AGOGLIA, RODOLFO M., Problems of Philosophy, Logic
AGÜERO, CELMA H., Contemporary History
AUSTRAL, ANTONIO G., General Prehistory
CAMAMERO BENITO, ANTONIO, Latin-Classical Culture
CARNICÉ DE GALLEZ, ESTHER, Spanish Grammar
CIOCHINI, HÉCTOR E., Style
DEL RÍO, HEVEL N., Spanish Grammar
DOZO, LUIS A., General Pedagogy
FONTANA, ESTEBAN J., American History, Argentine History
MATIJEVIC, NICOLÁS, Latin
MAYDAGÁN HÉCTOR M., Greek
ORTEGA, EXEQUIEL C., Historiography
PAGLIALUNGA, ESTER LYDIA, Latin
PINO, ELVA M., Greek, Latin
REST, JAIME, European Literature
RESTA, RICARDO, History of Philosophy
SPELUCÍN, ALCIDES, Iberian Literature
SUÁREZ, JORGE A., Hispanic Philology
VACCARO, ALBERTO J., Latin and Classical Literature
VELA, MARÍA E, Modern History
VILANOVA RODRÍGUEZ, ALBERTO, Medieval History
VIRASORO, MIGUEL A., Sociology, Logic

Department of Engineering:
ACHILLI, RUBÉN, Building Construction
ANDEM, EMILIA, Drawing
ANDRÉS, OSCAR, Reinforced Concrete Structures
BARRAL, RAÚL, Heat Machines
BERGÉ SANGUINETTI, HUGO, Mechanical Technology
BUGNA, LUIS, Hydraulic Machinery
CAMPAGNUCCI, DANTE, Mechanics of Soils and Foundations
CARDONA, ALBERTO, Heat Machines
CASANOVA, NÉSTOR A., Sanitary Engineering
CRAIG, DAVID, Ports and Inland Navigation
DE CARLI, RUBÉN M., Mechanical Projects
EGIDI, VICENTE, Industrial Construction
FERRAZ, ENRIQUE, Town Planning
GONZÁLEZ, GUILLERMO, Highways
HOENIG, ROBERTO, Topography and Geodesy
IRAZUSTA, ANTONIO, Topography and Geodesy
LARA, ASCENCIO C., Stability
LUISONI, LEONARDO, Building Construction
MARINELLI, EVELINA, Stability
MAZINI, NELSON, Mechanical Technology

Mendoza, Manuel M., Architectural Theory
Monópoli, Eddy P., Topography
Muradás, Manuel, Fluid Mechanics
Pascualetti, José M., Drawing
Pedregal, José M., Special Structures of Reinforced Concrete
Pelegrina, Carlos, Industrial Transport
Reyes, Jorge, Stability
Rivas, Magnus, Elements of Machinery
Rojo, Osvaldo, Masonry and Simple Concrete
Romanelli, Enrique, Masonry and Simple Concrete
Sorrentino, Juan, Study and Examination of Materials
Terzoli, Renato, Industrial Organisations
Títolo, Joaquín, Study and Examination of Materials
Tzicas, Jorge, Railways
Varela, Ely, Simple Concreting
Zalazar, Luis M., Mechanics of Soils and Foundations

Department of Mathematics:
Arango, José M., Mathematical Analysis
Bergé Sanguinetti, Hugo, Mathematical Analysis
del Busto, Eduardo H., Statistics, History of Mathematics
Chiappa, Raúl A., Geometry
Daub, Walter E., Mathematical Analysis
Dickman, Máximo, Theory of Aggregates
Diego, Antonio, Geometry
Diez, Luis, Mathematical Analysis
Gastaminza, María L., Algebra
Giambelluca, José A., Financial and Actuarial Mathematics
Lysholm, Otto B., Descriptive Geometry
Monteiro, Antonio A., Algebraical Logic
Suárez, Alberto A., Algebra, Geometry
Urroz de Weerth, Alicia, Mathematical Analysis

Department of Chemistry:
Aliotta, Guillermo, Analytical Chemistry
Allan, Alfredo L., Special Analytical Chemistry
Carponi, Roberto, Unit Processing
Casal, Alberto, General Analytical Chemistry
Daub, Walter E., Unitary Operations
De Lucia, Julio C., Bromatology
Elustondo, Miguel, Unitary Operations
Galiana, José D., Chemical Technology
Gastaminza, Alicia, Organic Chemistry
Gatica, Héctor, Advanced Organic Chemistry
Kopsic, Tomislav, Industrial Chemistry
Lelong, Alberto, Dr., Physical Chemistry
Malek, Gustavo, Industrial Chemistry
Manterola Irazu, Néstor, Chemical Biology
Mayer, Carlos E., Industrial Electro-Chemistry
Medrano, Miguel A., Organic Chemistry
Pucci, Adán E., Industrial Analysis
Rahman, Aziz-Ur, Advanced Organic Chemistry
Sotorres, Atilo M., Biological Chemistry
Torres, Jorge F., Clinical Analysis

University School

Escuela de Comercio: 11 de Abril 445.
Director: Ing. León Fischman.

UNIVERSIDAD NACIONAL DE TUCUMÁN

(National University of Tucumán)

AYACUCHO 482, TUCUMÁN

Telephone: 17123.

Founded 1914.

Rector: Ing. Eugenio F. Virla.
Vice-Rector: Ing. Roberto A. Herrera.
Secretary-General: Dr. Julio Prebisch.
Librarian: Enrique Kreibohm.

Number of teachers: 1,650.
Number of students: 8,377.

Deans:

Faculty of Exact Sciences and Technology: Ing. Roberto Alfredo Herrera.
Faculty of Agriculture: Ing. Agr. Fausto Folquer.
Faculty of Philosophy and Letters: Prof. Delia Paladini.
Faculty of Architecture and Town Planning: Arq. Rodolfo G. Mitrovich.
Faculty of Biochemistry, Chemistry and Pharmacy: Dr. Carlos F. Cuenya.
Faculty of Economics: Dr. Horace William Bliss.
Faculty of Medicine: Dr. Luis Vallejo Vallejo.
Faculty of Law and Social Sciences: Dr. Horacio L. Poviña.
Faculty of Natural Sciences of Salta: Ing. Quím. Carlos S. Martearena.

University Schools

Escuela Universitaria de Ciencias Naturales: Instituto Miguel Lillo, Miguel Lillo 205.
Director: Dr. Abraham Willink.

Escuela Universitaria de Educación Física: Av. Benjamín Aráoz 800.
Director: Prof. Juan Carlos Vildoza (a.i.).

Escuela de Odontología: Buenos Aires 297.
Director: Dr. Miguel Angel Arcuri.

Escuela de Enfermería: Santiago 738.
Director: Prof. Juana d'Arco.

Departamento Universitario de Humanidades y Ciencias de la Educación: Dean Funes 14, Salta.
Director: Dr. Alberto E. Austerlitz.

Departamento de Ciencias Económicas: Ituzaingó 129, Salta.
Director: Dr. Duillo Lucardi.

Departamento de Artes: Bolívar y Chacabuco.
Director: Luis Alberto Terán (a.i.).

Instituto de Psicología y Ciencias de la Educación: Mitre 415, Salta.
Director: Prof. Oscar Oñativia.

Special Schools

Instituto de Geología y Minería: Belgrano 1211, San Salvador de Jujuy.
Director: Dr. Enrique C. Rayces.

Escuela de Agricultura, Ganadería y Anexos: El Zanjón, C. Correo 96, Sgo. del Estero.
Director: Ing. Agr. Leopoldo M. Flores.

Escuela de Agricultura y Sacarotecnía: San Mart n 1545.
Supervisor: Dr. Alfredo Fernández.

Escuela de Bellas Artes y de Artes Decorativas e Industriales: Córdoba 450.
Director: Arq. Juan Carlos Viola.

Escuela de Minas de Jujuy: Salta 1143, Jujuy.
Director: Ing. Raúl R. Berlingieri.

Escuela Secundaria de Música: Rivadavia 339.
Director: Prof. Alberto Uzielli (a.i.).

Escuela Técnica de Vespucio: Campamento Y.P.F., Vespucio, Salta.
Director: Ismael E. Córdoba.

Escuela y Liceo Vocacional Sarmiento: Rivadavia 29.
Director: Prof. María Elena Saleme.

Gymnasium Universitario: 25 de Mayo 621.
Director: Prof. Eduardo S. Astudillo.

Instituto Técnico: General Paz 920.
Director: Ing. Ramón Gil.

Taller Escuela de Lutheria: Balcarce 319.
Director: Prof. Alberto del Lungo.

PRIVATE UNIVERSITIES

COLEGIO MÁXIMO DE SAN JOSÉ

(Facultades de Filosofía y Teología S.J.)

AV. MITRE 3226, SAN MIGUEL (F.G.S.M.)

Founded 1931.

Rector: Jorge González, s.j.
Secretary: Emanuel Ustarroz, s.j.
Director of Studies: Enrique E. Fabbri, s.j.
Librarian: Miguel A. Fiorito, s.j.

Number of teachers: 34.
Number of students: 140.
Publication: *Ciencia y Fe.*

Deans:

Faculty of Theology: Enrique E. Fabbri, s.j.
Faculty of Philosophy: Miguel A. Fiorito, s.j.

UNIVERSIDAD CATÓLICA ARGENTINA "SANTA MARÍA DE LOS BUENOS AIRES"

(Catholic University of Argentina)

RIO BAMBA 1227, BUENOS AIRES

Telephone: 42-6460.

Founded 1958.

Rector: Mons. Dr. Octavio Nicolás Derisi.

Secretary-General: S. NÉSTOR GARCÍA.

Number of teachers: 200.
Number of students: 1,500.

DEANS:

Faculty of Philosophy: GUILLERMO P. BLANCO.
Faculty of Letters: ANGEL J. BATTISTESSA.
Faculty of Law and Political Science: J. OJEA QUINTANA.
Faculty of Economics and Social Sciences: FRANCISCO VALSECCHI.
Faculty of Theology: EDUARDO F. PIRINIO.
Faculty of Physical Sciences, Mathematics and Engineering: A. DURAÑONA Y VEDIA.
Faculty of Law and Social Science: JUAN CASIELLO.

UNIVERSIDAD CATÓLICA DE CÓRDOBA

(Catholic University of Córdoba)

TREJO 323, CÓRDOBA

Telephone: 26671.

Founded 1956.

Chancellor: Dr. RAÚL PRIMATESTA, Archbishop of Córdoba.
Rector: FERNANDO A. STORNI, S.J., M.A., PH.D.
Administrative Officer: JEAN SONET, S.J., M.A., PH.D.
Librarian: EMILIO M. BRAVO, S.J.

Number of teachers: 435.
Number of students: 1,766.

DEANS:

Faculty of Architecture and Town Planning: JULIO E. PINZANI.
Faculty of Economics and Administration: Dr. LUIS AGUERO PIÑEIRO.
Faculty of Law and Social Sciences: Dr. MANUEL AUGUSTO FERRER.
Faculty of Philosophy and Humanities: Dr. LUIS M. FREIJEIRO.
Faculty of Engineering: Ing. DIONISIO FARIAS.
Faculty of Medicine: Dr. OSCAR L. DE GOYCOECHEA.
School of Pharmacy and Biochemistry: Dr. GUIDO LUIS SACCHETTI.
School of Social Work: ISABEL TORRES DE VILLALBA.

UNIVERSIDAD CATÓLICA DE SANTA FÉ

(Catholic University of Santa Fé)

SAN MARTÍN 1966, SANTA FÉ

Telephone: 23042/43846.

Founded 1960.

Rector: ANDRÉS D. REGHENAZ.
Secretary-General: Dr. HÉCTOR J. C. GAGGIAMO.

Number of teachers: 283.
Number of students: 970.

UNIVERSIDAD DEL SALVADOR

CALLAO 542, BUENOS AIRES

Telephone: 45-1297 and 46-8055.

Founded 1959.

Rector: EDUARDO MARTÍNEZ MARQUEZ, S.J.
Secretary-General: UBEN GERARDO ARANCIBIA, S.J.
Librarian: GUILLERMO FURLONG, S.J.

Number of students: 3,187.
Publications: *Anales de la Universidad, Aequitas.*

DEANS:

Faculty of Juridical, Political and Social Sciences: VINCENTE M. ALONSO, S.J.
Faculty of Philosophy: ERNESTO DANN, S.J.
Faculty of History and Letters: Dr. NÉSTOR T. AUZA.
Faculty of Medicine: Dr. HORACIO RODRÍGUEZ CASTELLS.
Faculty of Psychology: PEDRO MOYANO, S.J. (*Vice-Rector*).
Institute of Political Sciences: Dr. PAUL PUIGBO (*Director*).
Department of Theology: JACINTO LUZZI, S.J. (*Director*).

TECHNOLOGICAL INSTITUTES

Universidad tecnológica nacional: Medrano 951, Buenos Aires; f. 1959; schools of technology, chemical and industrial engineering; Rector Ing. JUAN SABATO.

Instituto tecnológico de Buenos Aires: Avda. Eduardo Madero 351/99, Buenos Aires; f. 1960.

Instituto Superior del Hogar Agrícola "Ing. Agr. Dr. Tomás Amadeo" (*Higher Institute of Domestic Agriculture*): Bolívar (Prov. of Buenos Aires); f. 1948; wide variety of courses in agriculture and horticulture.

Director: Ing. Agr. HAYDÉE BIDIGORRI.

Number of teachers: 7.
Number of students: 300 (approx.), including nationals of many South and Central American countries.

SPECIALISED SCHOOL

Escuela Argentina de Periodismo (*Argentine School of Journalism*): Rivadavia 2434, Buenos Aires; f. 1951 to train university students of journalism and professional journalists; "Mariano Moreno" library of over 1,500 vols.; Rector CARLOS ABREGÚ VIRREIRA; publ. *Periodismo.*

SCHOOLS OF ART AND MUSIC

Buenos Aires

Conservatorio Nacional de Música "Carlos López Buchardo" (*National Conservatoire of Music*): Callao 1521; f. 1924; library of 1,000 vols. and 12,000 musical scores; Rector MARÍA MAGDALENA GARCÍA ROBSON DE MOREIRA.

Escuela de Artes Plásticas: Universidad de Buenos Aires; Pres. JOSÉ A. MEREDIZ.

Escuela Superior de Bellas Artes "Ernesto de la Carcova": Avda. Costanera Sur Esq. Brasil; f. 1921; library of 12,050 vols.; Rector GERMEN GELPI; Sec. JORGE G. LUNA E.; Treas. HILDA E. SOMMARUGA; depts. of painting, sculpture, mural decoration, engraving, décors and pottery; teaching personnel 21.

AUSTRALIA

Population 11,135,500

ACADEMY

AUSTRALIAN ACADEMY OF SCIENCE

GORDON STREET, CANBERRA CITY, A.C.T.

Founded and incorporated by Royal Charter in 1954 to promote, declare and disseminate scientific knowledge; to establish and maintain standards of scientific endeavour and achievement in the natural sciences in Australia; and to recognise outstanding contributions to the advancement of science. The academy took over the functions of the Australian National Research Council in 1955.

COUNCIL
(to May 1966)

President: Sir MACFARLANE BURNET, O.M., M.D., F.R.S.
Treasurer: Sir HUGH ENNOR, C.B.E., D.SC.
Secretary (Physical Sciences): Dr. A. L. G. REES, D.SC.
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Members: Prof. E. W. TITTERTON, PH.D.; Prof. G. M. BADGER, D.SC.; Prof. N. S. BAYLISS, PH.D.; Dr. W. BOAS, DR.ING.; Prof. F. C. COURTICE, D.SC.; Sir ELLERTON BECKER; Prof. L. C. BIRCH, D.SC.; Prof. C. W. EMMENS, D.SC.

Executive Secretary: J. DEEBLE, B.SC.

Publication: *Year Book.*

FELLOWS:

ADA, GORDON LESLIE, D.SC.
ALBERT, ADRIEN, D.SC.
ALEXANDER, ALBERT ERNEST, D.SC.
ANDERSON, JOHN STUART, PH.D., F.R.S.
ANDREWARTHA, HERBERT GEORGE, D.SC.
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BADGER, GEOFFREY MALCOLM, D.SC.
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BAYLISS, NOEL STANLEY, C.B.E., PH.D.
BECKER, Sir (JACK) ELLERTON, Kt.
BIRCH, ARTHUR JOHN, PH.D., F.R.S.
BIRCH, LOUIS CHARLES, D.SC.
BOAS, WALTER, DR.ING.
BOLTON, JOHN GATENBY
BOWEN, EDWARD GEORGE, C.B.E., PH.D.
BROWN, RONALD DRAYTON, PH.D.
BROWNE, WILLIAM ROWAN, D.SC.
BULL, LIONEL BATLEY, C.B.E., D.V.SC.
BULLEN, KEITH EDWARD, SC.D., F.R.S.
BURNET, Sir (FRANK) MACFARLANE, O.M., M.D., F.R.S., Nobel Laureate
CATCHESIDE, DAVID GUTHRIE, D.SC., F.R.S.
CHERRY, Sir THOMAS (MACFARLAND), SC.D., F.R.S.
CHRISTIANSEN, WILBUR NORMAN, D.SC.
CORNISH, EDMUND ALFRED, D.SC.
COURTICE, FREDERICK COLIN, D.SC.
COWLEY, JOHN MAXWELL, D.SC.
CURTIS, DAVID RODERICK, PH.D.
DAY, MAXWELL FRANK COOPER, PH.D.
DERRICK, EDWARD HOLBROOK, C.B.E., M.D.
DICK, ALEXANDER THOMAS, O.B.E., D.SC.
ECCLES, Sir JOHN (CAREW), D.PHIL., F.R.S.
ELLIOTT, WILLIAM HERDMAN, PH.D.
ELLIS, GRAEME READE ANTHONY, PH.D.
EMMENS, CLIFFORD WALTER, D.SC., PH.D.
ENNOR, Sir (ARNOLD HUGH), C.B.E., D.SC.
FALK, JOHN EDWIN, PH.D.
FAZEKAS DE ST. GROTH, STEPHEN NICHOLAS EMERY EGON, M.D., SC.M.
FENNER, FRANK JOHN, M.B.E., M.D., F.R.S.
FRANKEL, OTTO HERZBERG, D.SC., F.R.S.
FRASER, A. S., PH.D.
GIOVANELLI, RONALD GORDON, D.SC.
GLAESSNER, MARTIN FRITZ, D.SC.
GOTTSCHALK, ALFRED, M.D., D.SC.
GREEN, HERBERT SYDNEY, D.SC.
HILL, DOROTHY, D.SC., F.R.S.
HILLS, EDWIN SHERBON, D.SC., F.R.S.
HOGG, ARTHUR ROBERT, D.SC.
HUXLEY, Sir LEONARD (GEORGE HOLDEN), K.B.E., D.PHIL.
JAEGER, JOHN CONRAD, D.SC.
KEY, KENNETH HEDLEY LEWIS, D.SC.
KING, EDGAR SAMUEL JOHN, C.M.G., D.SC.
LANCASTER, HENRY OLIVER, PH.D.
LE COUTEUR, KENNETH JAMES, PH.D.
LE FEVRE, RAYMOND JAMES WOOD, D.SC., F.R.S.
LEMBERG, MAX RUDOLF, D.PHIL., F.R.S.
MCINTYRE, A. K.
MACKERRAS, IAN MURRAY, F.R.A.C.P.
MADSEN, Sir JOHN (PERCIVAL VISSING), D.SC.
MAHLER, KURT, D.SC., F.R.S.
MARSTON, HEDLEY RALPH, D.SC., F.R.S.
MARTIN, Sir LESLIE HAROLD, C.B.E., PH.D., F.R.S.
MARTYN, DAVID FORBES, D.SC., F.R.S.
MENZIES, Sir ROBERT (GORDON), C.H., Q.C.
MEYER, RICHARD ERNST, DR.SC.TECHN.
MILLS, BERNARD YARNTON, D.SC., F.R.S.
MORAN, PATRICK ALFRED PIERCE, D.SC.
MORRISON, JAMES DOUGLAS, D.SC., PH.D.
MURRAY, PATRICK DESMOND FITZGERALD, D.SC.
NEUMANN, BERNHARD HERMANN, C.B.E., D.SC., F.R.S.
NICHOLSON, ALEXANDER JOHN, D.SC.
OGSTON, ALEXANDER GEORGE, D.PHIL., F.R.S.
OLIPHANT, Sir MARK (LAURENCE ELWIN), K.B.E., D.SC., F.R.S.
ÖPIK, ARMIN ALEXANDER, D.PHIL.NAT.
PIDDINGTON, J. H., PH.D.
PITMAN, EDWIN JAMES GEORGE, M.A.
PRESCOTT, JAMES ARTHUR, C.B.E., D.SC., F.R.S.
PRICE, JAMES ROBERT, D.SC.
PRIESTLEY, CHARLES HENRY BRIAN, SC.D.
RAGGATT, Sir HAROLD (GEORGE), Kt., C.B.E., D.SC.
REES, ALBERT LLOYD GEORGE, D.SC.
RENDEL, JAMES MEADOWS, PH.D.
RITCHIE, E., D.SC.
ROBERTSON, RUTHERFORD NESS, D.SC., F.R.S.
RODERICK, JACK WILLIAM, PH.D.
ROGERS, WILLIAM PERCY, D.SC.
ROOM, THOMAS GERALD, SC.D., F.R.S.
SHOPPEE, CHARLES WILLIAM, D.SC., F.R.S.
SMITH-WHITE, SPENCER, D.SC.AGR.
SPRENT, JOHN FREDERICK ADRIAN, D.SC, PH.D.
STOKES, ROBERT HAROLD, D.SC.
SUNDERLAND, SYDNEY, C.M.G., M.D., D.SC., F.R.A.C.S., F.R.A.C.P.
SUTHERLAND, KEITH LEONARD, D.SC.
SZEKERES, GEORGE
THOMAS, D. E., D.SC.
TITTERTON, ERNEST WILLIAM, C.M.G., PH.D.
TRIKOJUS, VICTOR MARTIN, D.SC.
TURNER, ARTHUR WILLIAM, O.B.E., D.SC., D.V.SC.
TURNER, JOHN STEWART, PH.D.
UNDERWOOD, ERIC JOHN, C.B.E., PH.D.
WALSH, ALAN, D.SC.
WALSH, ROBERT JOHN, F.R.A.C.P.
WARING, HORACE, D.SC.
WARK, IAN WILLIAM, C.B.E., D.SC.
WATERHOUSE, DOUGLAS FREW, D.SC.
WATERHOUSE, WALTER LAWRY, C.M.G., M.C., D.SC.AGR.
WHITE, Sir FREDERICK (WILLIAM GEORGE), K.B.E., PH.D.
WHITE, MICHAEL JAMES DENHAM, D.SC., F.R.S.
WILD, JOHN PAUL, SC.D.
WITTRICK, WILLIAM HENRY, PH.D.
WOOLLEY, Sir RICHARD (VAN DER RIET), Kt., O.B.E., PH.D., F.R.S.

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

GENERAL

Australasian Association of Philosophy: Dept. of Philosophy, Sydney; f. 1923; brs. throughout Australia and New Zealand; Pres. Prof. L. GODDARD; Chair. Prof. A. K. STOUT; Hon. Gen. Sec. W. J. GINNANE, M.A., B.PHIL.; publ. *Australasian Journal of Philosophy*.

Incorporated Law Institute of New South Wales: 170 Phillip Street, Sydney; f. 1884; 2,500 mems.; Pres. N. L. COWPER; Sec. H. G. BROOKE; Librarian G. S. OLD, B.A., LL.B., DIP.LIT.; 7,000 vols.

AGRICULTURE AND VETERINARY SCIENCE

Australian Veterinary Association: 665 George Street, Sydney, N.S.W.; f. 1925; professional association; 1,050 mems.; Pres. W. STEPHEN SMITH; Hon. Sec. R. E. CHURCHWARD; publ. *Australian Veterinary Journal* (monthly).

Dairy Husbandry Research Foundation: University of Sydney, Sydney; f. 1958; to promote dairy husbandry research in the Department of Animal Husbandry; Dir. Prof. T. J. ROBINSON.

Poultry Husbandry Research Foundation: University of Sydney, Sydney; f. 1958; to promote poultry husbandry research in the Dept. of Animal Husbandry; Dir. Prof. T. J. ROBINSON.

ARCHITECTURE

Royal Australian Institute of Architects: 118 Alfred Street, Milson's Point, Sydney, N.S.W.; inc. 1930; Sec. R. S. GREIG, publs. *Architecture in Australia* (quarterly), *Year Book*.

Affiliated Institutes:

South Australian Chapter Royal Australian Institute of Architects: 44 Grenfell Street, Adelaide; f. 1886; Sec. R. D. HASTWELL; publ. *Quarterly Bulletin*.

Royal Victorian Institute of Architects: 53–55 Exhibition Street, Melbourne, C.1; Sec. JOHN B. ISLIP, F.C.I.S.

ART, THE ARTS

Arts Council of Australia, The: 163 Crown Street, East Sydney; f. 1943; approx. 5,000 mems.; takes professional drama, music, opera, ballet and art exhibitions to schools and countryside and encourages amateur activity.

Australian Elizabethan Theatre Trust, The: 153 Dowling Street, Sydney; f. 1954 to promote drama, opera, ballet and any other art of the theatre in Australia; 4,500 mems.; Patron Her Majesty the Queen; Pres. Sir IAN POTTER; Chair. Dr. H. C. COOMBS; Exec. Dir. STEFAN HAAG; publs. *The Australian Elizabethan Theatre Trust—the First Year*, *The Australian Theatre Year Book*.

Australian Humanities Research Council: Australian National University, Canberra, A.C.T.; f. 1956 to foster scholarship and the publication of studies in the Humanities; approx. 44 mems.; Chair. Prof. J. J. AUCHMUTY; Sec. Dr. B. SMITH; Treas. Prof. C. P. FITZGERALD.

Contemporary Art Society of Australia: 33 Rowe Street, Sydney; also in Melbourne, Hobart and Adelaide; f. 1939 in Melbourne.

Royal Art Society of New South Wales: Sydney; f. 1880; 350 mems.; Pres. ERIK LANGKER; Hon. Sec. PHYLLIS R. BRODZIAK.

Royal Queensland Art Society: Box 1602V, G.P.O., Brisbane; f. 1886; 300 mems.; Pres. E. J. A. WELLER; Sec. Mrs. E. T. MACKEY.

Royal South Australian Society of Arts: North Terrace, Adelaide; f. 1856; Pres. JOHN DOWIE; Hon. Sec. LISETTE KOHLHAGEN.

Society of Artists: 27 Hunter Street, Sydney; f. 1895 60; mems.; Pres. LLOYD REES; Gen. Sec. JOHN SANTRY.

Victorian Artists' Society: 430 Albert Street, East Melbourne, C.2; f. 1870; 600 mems.; six exhibitions annually; Pres. WILLIAM FRATER; Sec. ADELLE RICHARDSON; publ. *V.A.S. News Letter and Annual Report*.

ASTRONOMY

Astronomical Society of South Australia (Inc.): Box 199C, G.P.O., Adelaide; f. 1892; 200 mems.; Pres. G. W. MCQUISTAN, M.SC.; Sec. M. C. SANDERS.

Astronomical Society of Tasmania: G.P.O. Box 154-B, Hobart; f. 1930; 50 mems.; Sec. C. E. BISDEE.

CHEMISTRY

Royal Australian Chemical Institute: 55 Exhibition Street, Melbourne, C.1; f. 1917; 4,703 mems.; Hon. Gen. Sec. A. R. DOCKING; Exec. Sec. W. E. PURNELL; publs. *Proceedings of The Royal Australian Chemical Institute* (monthly), *Reviews of Pure and Applied Chemistry* (quarterly).

New South Wales Branch: 39 Martin Place, Sydney; f. 1917; Hon. Sec. A. R. GREEN.

Queensland Branch: c/o Chemistry Department, University of Queensland, St. Lucia, Brisbane; f. 1917; Hon. Sec. Dr. D. M. ALEXANDER.

South Australian Branch: c/o Australian Mineral Development Laboratories, Conyngham Street, Parkside; f. 1917; Hon. Sec. R. E. WILMSHURST.

Tasmanian Branch: c/o Chemistry Department, University of Tasmania, Box 252C G.P.O., Hobart; f. 1941; Hon. Sec. Dr. P. W. SMITH.

Victorian Branch: 55 Exhibition Street, Melbourne, C.1; f. 1917; Hon. Sec. M. BIRD.

Western Australian Branch: c/o Chemistry Department, Western Australian Institute of Technology, Hayman Road, Bentley South; f. 1917; Hon. Sec. Dr. J. F. CHAMBERS.

ECONOMICS, POLITICS, SOCIAL SCIENCE

Australian Institute of International Affairs: 177 Collins Street, Melbourne; f. 1932; 1,561 mems.; brs. in all States; Pres. Prof. JOHN ANDREWS; Hon. Sec. Miss NANCE DICKINS; publ. *The Australian Outlook* (three times yearly).

Australian Institute of Management: Secretariat; 30 Queens Road, Melbourne, S.C.2; f. 1941; professional management association; information and reference (library) services; 7,500 individual mems., 2,500 company mems.; divisions in Adelaide, Brisbane, Melbourne, Newcastle, Perth, Sydney and Tasmania; Federal Sec. R. B. DENNISTON.

Australian Institute of Political Science: Sydney; Chair. O. E. PHILIPS; publ. *Australian Quarterly*.

Economic Society of Australia and New Zealand: University, Melbourne; 3,500 mems.; branches in each of the Australian State capitals and also in Wellington, Auckland, Christchurch, N.Z.; Pres. Prof. P. H. KARMEL; Hon. Sec. R. F. HOLDER; publ. *The Economic Record*.

Institute of Public Affairs: 19 Bligh Street, Sydney, N.S.W.

Social Science Research Council of Australia: c/o Australian National University, Box 4, G.P.O., Canberra, A.C.T.; f. 1952 to encourage the advancement of social science in Australia through research and publications; approx. 80 mems.; Chair. Prof. W. M. O'Neil; Hon. Sec. Prof. Cecil A. Gibb; Hon. Treas. Alex Hunter.

Engineering, Metallurgy

Australasian Institute of Mining and Metallurgy, The: f. 1893; incorporated by Royal Charter 1955; 2,800 mems.; Pres. G. L. Clark; Sec. Miss B. E. Jacka, 399 Little Collins Street, Melbourne, C.1; publs. *Proceedings* and *Monthly Bulletin.*

Australian Institute of Metals, The: 23 McKillop Street, Melbourne, C.1; inc. 1946; branches at Adelaide, Brisbane, Melbourne, Newcastle, Perth, Port Kembla and Sydney; Hon. Fed. Sec. A. I. McRitchie; publs. *Journal of the Australian Institute of Metals* (quarterly), *Data Sheets* (3-4 per annum), *Definitions of Terms used in the Heat Treatment and Testing of Metals* (second ed., 57).

Institution of Engineers, Australia: Science House, Gloucester and Essex Streets, Sydney; f. 1919, inc. by Royal Charter 1938; branches in each State; 17,000 mems., Pres. J. D. Leach, C.B.E., B.E., M.I.E.AUST.; Sec. C. H. D. Harper, M.C., M.I.E.AUST.; publs. *Journal* (eight issues annually), *Civil Engineering Transactions* (twice yearly), *Electrical and Mechanical Engineering Transactions* (twice yearly).

Royal Aeronautical Society (Australian Division): 157 Gloucester Street, Sydney, N.S.W.; f. 1928; Pres. D. B. Hudson, B.SC., B.E., F.R.Ae.S.; Sec. W. Isbister, B.E., B.SC., M.I.E.(AUST.), F.R.Ae.S.

Standards Association of Australia: School of Arts Building, 166 Ann Street, Brisbane; f. 1939.

Geography

Geographical Society of New South Wales: Science House, Gloucester Street, Sydney; f. 1927; 684 mems.; Hon. Sec. R. W. Krippner (acting); publ *The Australian Geographer.*

Royal Geographical Society of Australasia: Queensland Branch: 177 Ann Street, Brisbane; f. 1885; 700 mems.; Pres. Maj. Roy Cooper, F.R.G.S.A.; Hon. Gen. Dir.-Sec. D. A. O'Brien, F.R.G.S.A.; publ. *Queensland Geographical Journal*

South Australia Branch: Institute Buildings, North Terrace, Adelaide; f. 1885; 300 mems. pnbl. *Proceedings* (annual).

History

Royal Australian Historical Society: History House, 8 Young Street, Sydney; f. 1901; 1,150 mems.; Hon. Sec. A. J. Gray; Editor K. Cable, M.A.; publ. *Journal and Proceedings.*

Royal Historical Society of Queensland: Newstead House, Brisbane; f. 1913; 503 mems.; library; research; historical Queensland documents collected and preserved in archives; Pres. Sir Raphael Cilento; Hon. Sec. K. T. Cameron; publs. *Bulletin* (monthly), *Journal* (annual).

Royal Historical Society of Victoria: 19 Queen Street, Melbourne, C.1; f. 1909; 600 mems.; Sec. A. T. Latham; publ. *Victorian Historical Magazine.*

Tasmanian Historical Research Association: c/o State Archives, State Library, Murray Street, Hobart, f. 1951; 360 mems.; Sec. G. T. Stilwell; pub,. *Papers and Proceedings* (quarterly).

Historical Division, Royal Geographical Society of Australasia (S. Aust. Branch): Institute Building, N. Terrace, Adelaide; Chair. J. C. Tolley.

International Cultural Institutes

Alliance Française: Nicholas Building, 37 Swanston Street, Melbourne.

British Council, The: 18 Greenoaks Avenue, Edgecliffe, Sydney, N.S.W.; Rep. N. E. Williams, O.B.E.; also at 67 Queens Road, Melbourne.

Istituto Italiano di Cultura (*Italian Cultural Institute*): 947 Punt Road, South Yarra, S.E.1, Melbourne; Dir. Prof. Vittorio Politi.

U.S. Information Center: 46-48 Margaret Street, Sydney.

Literature, Bibliography

Australian Ex-Libris Society: Box 2076L, G.P.O., Sydney; Sec. P. Neville Barnett.

English Association—Sydney Branch: 62 Victoria Avenue, Chalswood, N.S.W.; f. 1923; 100 mems.; Pres. A. W. Ashworth, B.A., B.EC.; Hon. Sec. S. E. Lee, B.A.; publ. *Southerly* (quarterly).

Fellowship of Australian Writers: Box 3448, G.P.O., Sydney; f. 1928; 400 mems.; Pres. John A. Heiss; Sec. Alan Barclay; Social Sec. Miss R. Illingworth. (Branches in all States of Commonwealth and the Australian Capital Territory.)

Library Association of Australia: 32 Belvoir Street, Surry Hills, N.S.W.; f. 1937; Pres. Hon. Mr. Justice M. P. Crisp, LL.B., Gen. Sec. R. F. Doust, B.A., F.L.A.A.

Melbourne Dickens Fellowship: 2 Clendon Road, Armadale, Melbourne, S.E.3; f. 1904; 130 mems.; Hon. Sec. Miss Violet McMeekin, M.R.S.T., F.T.C.L.

Melbourne Shakespeare Society: 2 Furnell Court, Toorak, Melbourne; f. 1884; 180 mems.; Pres. T. W. Brennan; Hon. Sec. D. H. Rankin, M.A., M.ED.

Medicine

Australian Physiotherapy Association (N.S.W.): Anchor House, George and Bridge Street, Sydney, N.S.W.; f. 1905; Pres. Dr. Gordon Colvin; Sec. Miss. Joan Marienthal.

College of Radiologists of Australasia, The: 135 Macquarie Street, Sydney, N.S.W.; 480 mems.; Hon. Sec. Dr. C. A. Horn; publ. *Journal of the College of Radiologists of Australia.*

Ophthalmological Society of Australia (B.M.A.): 27 Commonwealth Street, Sydney, N.S.W.; f. 1938; 250 mems.; Pres. Dr. T. a'B. Travers; Sec. Dr. John K. Hart.

Post-graduate Medical Foundation, The: 188 Oxford Street, Paddington; f. 1958 to co-operate with the Post-graduate Committee in Medicine and the Faculty of Medicine within The University of Sydney in the furtherance of post-graduate education and research in medicine; Pres. Raymond E. Purves.

Royal Australasian College of Physicians: 145 Macquarie Street, Sydney, N.S.W.; f. 1938; 12 Honorary Fellows, 421 Fellows, 723 Members (1963); Pres. Dr. Morvyn Williams (N.Z.); Hon. Sec. Dr. R. L. Harris (N.S.W.); Hon. Treas. Dr. John Sands (N.S.W.); Censor-in-Chief Sir William Morrow (N.S.W.); publ. *Australasian Annals of Medicine* (quarterly).

Royal Australasian College of Surgeons: Spring Street, Melbourne; Sec. H. G. Wheeler; publ. *Australian and New Zealand Journal of Surgery* (quarterly).

Nuclear Physics

Australian Atomic Energy Commission Research Establishment: Lucas Heights, Private Mail Bag, Sutherland, N.S.W.; Dir. K. F. Alder, M.SC., F.I.M., A.M.A.I.M.M., A.M.I.R.E.(AUST.); Dep. Dir. W. H. Roberts, M.MECH.E., M.I.E.(AUST.), A.M.I.MECH.E.; Australian School of Nuclear Technology, *see* page 86.

Nuclear Research Foundation within the University of Sydney, The: University of Sydney, Sydney; f. 1954 to promote, foster, develop and assist nuclear and associated research in the School of Physics within the University of Sydney; Chair. T. J. N. Foley; Dir. Prof. H. Messel; Sec. Rear-Adml. H. A. Showers.

SCIENCE

Australian and New Zealand Association for the Advancement of Science: Science House, 157 Gloucester Street, Sydney; f. 1888; 2,750 mems.; branches in State capitals; Hon. Gen. Sec. Prof. J. R. A. McMillan, D.SC.AGR.; publs. Reports, *Australian Journal of Science.*

Royal Society of Canberra: Canberra; f. 1930; 180 mems.; Hon. Sec. T. Nicholas; Hon. Treas. Dr. G. R. J. Terpstra.

Royal Society of New South Wales: Science House, Sydney; f. 1821; 358 mems., 18 assoc. mems., 9 hon. mems.; Pres. Alan A. Day; Hon. Secs. A. H. Low, Alex Reichel; library of 50,000 vols.; publs. *Journal* and *Proceedings.*

Royal Society of Queensland: Brisbane; f. 1884; 260 mems.; Pres. Prof. O. Budtz-Olsen; Sec. Dr. C. Duncan; library of 64,900 vols.; publ. *Proceedings.*

Royal Society of South Australia Inc.: 2 Kintore Avenue, Adelaide; f. 1853; 175 mems.; Pres. T. R. N. Lothian; Sec. T. D. Scott; publ. *Transactions.*

Royal Society of Tasmania: Argyle Street, Hobart; f. 1843; 580 mems.; Pres. H.E. The Governor; Hon. Sec. W. Bryden, PH.D.; publ. *Papers and Proceedings.*

Royal Society of Victoria: 9 Victoria Street, Melbourne, C.1; f. 1854; 415 mems.; Pres. R. T. M. Pescott; Hon. Sec. Edmund D. Gill; publ. *Proceedings.*

Royal Society of Western Australia: Western Australian Museum, Perth; f. 1913; 229 mems.; Pres. Dr. W. D. L. Ride, M.A., D.PHIL.; Secs. Miss M. E. Redman, B.SC., C. V. Malcolm, B.SC.(AGRIC.); Treas. R. P. J. Pillow, Dipl. P.T.C.; publ. *Journal* (quarterly).

ZOOLOGY, NATURAL HISTORY

Field Naturalists Club of Victoria: National Herbarium, Domain, South Yarra, S.E. 1, Victoria; f. 1880; 900 mems.; Pres. M. K. Houghton; Sec. E. H. Goghill; publ. *The Victorian Naturalist,* etc.

Linnean Society of New South Wales: Science House, 157 Gloucester Street, Sydney; f. 1874; 279 mems.; 20,000 vols. in library; Hon. Secs. W. R. Browne, A. B. Walkom; publ. *Proceedings.*

Royal Australasian Ornithologists Union: 386 Flinders Lane, Melbourne; f. 1901; 995 mems.; Hon. Gen.-Sec. T. I. Gellibrand; publ. *Emu.*

Royal Zoological Society of New South Wales: 28 Martin Place, Sydney; f. 1879; 650 mems.; Hon. Sec. J. M. Campbell; publs. *Australian Zoologist, Proceedings.*

Royal Zoological Society of South Australia: Frome Road, Adelaide; f. 1878; 418 mems.; maintains public Zoological Gardens; Pres. Dr. P. S. Watts, PH.D., B.SC., F.R.C.V.S.; Chief Exec. Officer W. E. Lancaster, C.B.E., M.A., M.R.C.V.S.; publ. *Report.*

Wild Life Preservation Society of Australia: Science House, Gloucester Street, Sydney; f. 1909; 1,000 mems.; Pres. J. M. Bennett, B.A., LL.M.; Hon. Sec. Miss Jane A. Mendel; publ. *Australian Wild Life* (annual with quarterly supplement).

Zoological Board of Victoria: Melbourne; est. 1936 as successor to Royal Zoological and Acclimatisation Society of Victoria (f. 1861) in the management of the Melbourne Zoological Gardens, Royal Park, Melbourne, N.2; 11 mems.; Chair. A. Dunbavin Butcher; Dir. J. H. Sullivan.

RESEARCH INSTITUTES

AGRICULTURE, BOTANY, FORESTRY

Australian Institute of Agricultural Science: 731 Hay Street, Perth, W.A.; (W.A. Branch); approx. 200 mems.

Australian Wool Board: "Wool House", 578 Bourke Street, Melbourne, C.1, Victoria; f. 1936; wool promotion, marketing research, testing and research, statistical and technical services; Chief Exec. R. B. McMillan; publs. *Annual Review,* etc.

Commonwealth Forestry and Timber Bureau: Canberra; f. 1925; Dir.-Gen. M. R. Jacobs, M.SC., DR.ING., PH.D., DIP.FOR.

Australian Forestry School: Canberra; f. 1926; Acting Principal K. P. McGrath, B.SC. FOR., M.F., DIP.FOR.

Division of Silvicultural Research and Forest Management Research: Officer-in-Charge D. A. N. Cromer, D.SC.FOR., DIP.FOR.

Division of Timber Supply Economics: Officer-in-Charge A. G. Hanson, B.SC.FOR., DIP.FOR., B.COM.

Division of A.C.T. Forests: Officer-in-Charge R. G. Green, B.SC.FOR., DIP.FOR.

Royal Botanic Gardens and National Herbarium: Birdwood Avenue, S. Yarra, Victoria; f. 1846; 88-acre plant collection and Herbarium of 1,500,000 specimens; library of 20,000 vols.; Dir. and Govt. Botanist R. T. M. Pescott, M.AGR.SC.; publs. *Guide, Muelleria* (periodical).

Waite Agricultural Research Institute: Private Bag, Adelaide; f. 1924; under management of Adelaide Univ., Dir. J. Melville; Prof. of Agricultural Chemistry D. J. D. Nicholas; Prof. of Agriculture C. M. Donald; Prof. of Entomology T. O. Browning; Plant Pathologist N. T. Flentje; Plant Physiologist L. H. May; Statistician G. N. Wilkinson; Sec. G. L. Gooden; publ. *Biennial Report.*

EDUCATION

Australian Council for Educational Research: Frederick Street, Hawthorn E.2, Victoria; f. 1930; 10 mems. of whom 6 are elected by State Institutes for Educational Research; Pres. Maj.-Gen. Sir Alan H. Ramsay, C.B., C.B.E., D.S.O., E.D., B.SC., DIP.ED., F.A.C.E.; Dir. W. C. Radford, M.B.E., M.A., M.ED., PH.D., F.A.C.E.; publs. Reviews of Education in Australia; A.C.E.R. Research Series, Reports and Tests, *Australian Journal of Education, Australian Education Index.*

Tasmanian Institute for Educational Research: Pres. H. L. Dodson, B.A., B.ED., 181 Elizabeth Street, Hobart, Tasmania.

GEOLOGY

Australian Mineral Development Laboratories: Conyngham Street, Parkside, South Australia; f. 1960; Dir. Dr. P. A. Young; Sponsored Research Service for Mineral recovery and associated problems; Staff: approx. 130, including analysts, mineralogists, chemists, primary and secondary metallurgists, chemical engineers and ceramists; publs. Reports confidential to sponsors.

Bureau of Mineral Resources, Geology and Geophysics: Constitution Avenue, Parkes, A.C.T., P.O. Box 378, Canberra City, A.C.T.; f. 1946; to survey and exploit

mineral resources, advisory and documentation services; Dir. J. M. RAYNER; publs. *Bulletin*, *Reports*, many geological and geophysical maps.

Geological Survey of New South Wales: Dept. of Mines, Sydney; f. 1851; Govt. Geologist F. W. BOOKER; publs. *Annual Reports, Geological Memoirs, Palaeontological Memoirs, Ethnological Memoirs, Records, Mineral Resources, Bulletins, Technical Reports, Mineral Industry Series, Geological Survey Reports.*

Geological Survey of Queensland: Brisbane; f. 1877; Chief Govt. Geologist A. K. DENMEAD; publs. *Reports, Maps, Annual Mining Review.*

Geological Survey of Western Australia: 26 Francis Street, Perth; f. 1896; Dir. Geologist J. H. LORD; publs. *Bulletin of the Geological Survey of Western Australia*, annual *Progress Reports* and *Mineral Resources of Western Australia.*

South Australian Department of Mines and Geological Survey: 169 Rundle Street, Adelaide; f. 1892; Dir. T. A. BARNES; Geological Survey of S.A., mining and drilling branches; staff approx. 190, incl. geophysicists, geologists and mining engineers; publs. *Annual Report, Geological Survey Bulletin, Mining Review, Reports of Investigations, Quarterly Geological Notes,* Handbooks on Quarrying and Prospecting.

Tasmania Geological Survey: c/o Department of Mines, Hobart; f. 1860; publs. *Bulletin, Records, Reports, Mineral Resources, Underground Water Supply, Technical Reports,* geological survey maps.

MEDICINE

Australian Institute of Anatomy: H.Q. of Nutrition Section of the Commonwealth Department of Health, Canberra; f. 1929; Officer-in-Charge E. H. HIPSLEY, M.B.B.S.

Baker Medical Research Institute: Commercial Road, Prahran, S.1, Victoria; f. 1926; including the Alfred Hospital Clinical Research Unit; 42 mems.; Dir. T. E. LOWE, D.SC., M.D.; publs. *Annual Report, "Research".*

Commonwealth Serum Laboratories Commission: Parkville N.2, Victoria; f. 1917; for research and production of biologicals; Dir. R. W. GREVILLE, M.B., B.S., B.V.SC.

Commonwealth X-Ray and Radium Laboratory (Commonwealth Department of Health): 30 Lonsdale Street, Melbourne, and The University, Melbourne; f. 1929; Dir. D. J. STEVENS, O.B.E., B.SC.

Institute of Clinical Pathology and Medical Research: Lidcombe, N.S.W.

Institute of Medical and Veterinary Science: Frome Road, Adelaide; est. 1938 for purpose of research into diseases of human beings and animals; Chair. IAN MCLACHLAN; Dir. JAMES A. BONNIN, M.D., B.S., M.C.P.A., M.R.A.C.P.; Sec. D. G. DAVIES, A.A.S.A., A.C.I.S.; publ. *Annual Report.*

Institute of Medical Research: Royal North Shore Hospital, Pacific Highway, St. Leonards, N.S.W.

Mental Health Research Institute: Poplar Road, Parkville, N.2, Victoria; f. 1955 as branch of Mental Hygiene Dept., Victoria, to act as focus for research into mental illness in Victoria, to study and develop aspects of prevention of mental illness and to promote community understanding of mental health problems there; Dir. Dr. ALAN STOLLER, M.R.C.S., L.R.C.P., D.P.M.; Principal Lib. DANIEL KAHN.

National Biological Standards Laboratories: Currong Flats, Currong Street, Braddon, Canberra, A.C.T.; f. 1958; mainly to examine therapeutic preparations for human and veterinary use; Dir. LEIGH F. DODSON, M.B., B.SC., DIP.CLIN.PATH., D.PHIL.

National Health and Medical Research Council: Commonwealth Health Department, Canberra; Chair. Maj.-Gen. W. D. REFSHAUGE, C.B.E. (Dir.-Gen. of Health).

School of Public Health and Tropical Medicine: Univ. of Sydney, Sydney, N.S.W.; incorporating (1930) The Australian Institute of Tropical Medicine, Townsville, Queensland; 80 mems.; library of 20,000 vols.; Dir. Prof. Sir EDWARD FORD, Kt.

Walter and Eliza Hall Institute of Medical Research: Royal Melbourne Hospital, P.O. Melbourne; f. 1916; Dir. Prof. G. J. V. NOSSAL; Asst. Dir. Dr. D. METCALF; Head Clinical Research Unit Dr. I. R. MACKAY; publ. *Annual Report.*

METEOROLOGY AND POLAR STUDIES

Antarctic Division, Department of External Affairs: 568 St. Kilda Road, Melbourne; engaged in research in the fields of upper atmosphere physics and cosmic rays, glaciology, biology, oceanography and medical science; responsible for Australian National Antarctic Research Expeditions; maintains stations Mawson, Wilkes and Macquarie Island; Dir. Dr. P. G. LAW; publ. *ANARE Report.*

Commonwealth of Australia Bureau of Meteorology: Box 1289K, G.P.O., Melbourne; f. 1907; regional offices in Perth, Adelaide, Brisbane, Sydney, Hobart, Darwin and Melbourne; Dir. W. J. GIBBS; publs. daily weather bulletins and charts, monthly and annual rainfall maps and statistics, bulletins on special subjects, climatological publications; *Australian Meteorological Magazine, Meteorological Studies.*

Mawson Institute for Antarctic Research: University of Adelaide, Adelaide; f. 1961; to foster polar studies and research; collections include the library of the Antarctic explorer Sir Douglas Mawson, also his equipment and specimens.

OBSERVATORIES

Astronomical State Observatory: Perth; f. 1896; Dir. B. J. HARRIS.

Australian National Radio Astronomy Observatory (C.S.I.R.O.): Parkes, N.S.W.; f. 1961; steerable parabolic aerial system measuring 210 feet across; to locate the origin and measure the strength of radio waves reaching the earth from extraterrestrial sources; Chief of the Division of Radiophysics, C.S.I.R.O., Dr. E. G. BOWEN, C.B.E., M.SC., PH.D., F.A.A.

Government Observatory: Sydney; f. 1856; Govt. Astronomer HARLEY W. WOOD; publs. *Astrographic Catalogue* (Sydney section), *Sydney Observatory Papers.*

Mount Stromlo Observatory: Australian National University, Canberra, A.C.T.; f. 1924 as Commonwealth Observatory; transferred to Australian National University 1956; Dir. B. J. BOK, PH.D.

Narrabri Observatory: Narrabri, New South Wales; the installation is a stellar intensity interferometer; this consists of two giant parabolic mirrors, 25 ft. in diameter, each weighing about 12 tons, for measuring the size, temperature and brightness of stars.

Riverview Observatory: Riverview, Sydney, N.S.W.; f. 1908; Dir. LAWRENCE DRAKE, S.J.; publs. *Seismological Bulletin, Geophysical Papers* and *Riverview Observatory Publications* (astronomical).

SCIENCE

Commonwealth Scientific and Industrial Research Organisation: 314 Albert Street, East Melbourne, C.2; operates under the Science and Industry Research Act 1949.

Chairman: Sir FREDERICK WHITE, K.B.E., M.SC., PH.D., F.A.A.

Members of the Executive: Emeritus Prof. G. M. BADGER, PH.D., D.SC., F.A.A., C. S. CHRISTIAN, B.AGR., M.S., Dr. O. H. FRANKEL, D.SC., D.AGR.,

F.A.A., F.R.S., W. IVES, M.EC., and (part-time) H. B. SOMERSET, C.B.E., M.SC., Dr. J. MELVILLE, M.SC., PH.D., E. P. S. ROBERTS.

Executive Officer (Industrial and Physical Sciences): LEWIS LEWIS, B.MET.E.

Secretary: GUY B. GRESFORD, B.SC.

First Assistant Secretary: L. G. WILSON, M.SC.

Chairmen of State Committees:

V. G. BURLEY, B.E. (Tasmania), E. H. LEE-STEERE, C.B.E. (Western Australia), Prof. E. A. RUDD, A.M., B.SC. (South Australia), W. J. D. SHAW (Queensland), W. SLOAN (New South Wales), L. W. WEICKHARDT, M.SC. (Victoria).

Co-opted Members of Advisory Council:

KIM E. BEAZLEY, B.A., M.H.R., Sir ARTHUR COLES, Kt., Prof. Sir JOHN CRAWFORD, Kt., C.B.E., M.EC., Prof. C. M. DONALD, M.AGR.SC., Prof. Sir. JOHN ECCLES, Kt., M.A., M.B., B.S., D.PHIL., SC.D., F.A.A., F.R.S., R. A. IRISH, O.B.E., CHARLES R. KELLY, M.H.R., COLIN R. KELLY, B.AGR.SC., P. J. LAWLER, O.B.E., C. G. MCGRATH, O.B.E., Dr. J. A. L. MATHESON, M.B.E., M.SC., PH.D., W. M. MORGAN, B.E., J. P. NORTON, O.B.E., Prof. S. A. PRENTICE, M.E.E., B.SC., Prof. R. T. PRIDER, B.SC., PH.D., F. M. READ, M.AGR.SC., P. RYAN, I.S.O., B.AGR.SC., GLENISTER SHEIL, B.SC., B.C.E., B.M.E., Prof. V. M. TRIKOJUS, D.SC., D.PHIL., F.A.A., Emeritus Prof. Sir SAMUEL WADHAM, Kt., M.A., LL.D., AGR.DIP., H. P. WEBER, M.SC., P. J. YOUNG, B.AGR.SC.

Chairmen of Laboratory Groups:

Animal Research Laboratories, Sydney and Melbourne: Dr. J. M. RENDEL, B.SC., PH.D., F.A.A.
Chemical Research Laboratories, Melbourne: Dr. A. L. G. REES, D.SC., PH.D., F.A.A.
National Standards Laboratory, Sydney: F. J. LEHANY, M.SC.

Chiefs of Divisions:

Animal Genetics, Sydney: Dr. J. M. RENDEL, B.SC., PH.D.
Animal Health, Melbourne: Dr. T. S. GREGORY, D.V.SC., DIP.BACT.
Animal Physiology, Sydney: Dr. I. W. MCDONALD, D.V.SC., B.SC., PH.D.
Applied Mineralogy, Melbourne: A. J. GASKIN, M.SC.
Applied Physics, Sydney: F. J. LEHANY, M.SC.
Biochemistry and General Nutrition, Adelaide: Dr. A. T. DICK, O.B.E., D.SC., F.A.A.
Building Research, Melbourne: I. LANGLANDS. M.MECH.E., B.E.E.
Chemical Engineering, Melbourne: Dr. H. R. C. PRATT, D.SC., PH.D.
Chemical Physics, Melbourne: Dr. A. L. G. REES, D.SC., PH.D., F.A.A.
Coal Research, Sydney: H. R. BROWN, B.SC.ENG.
Dairy Research, Melbourne: G. LOFTHUS HILLS, B.AGR.SC.
Division of Land Research, Canberra: G. A. STEWART, M.AGR.SC.
Entomology, Canberra: Dr. D. F. WATERHOUSE, D.SC., F.A.A.
Fisheries and Oceanography, Cronulla, N.S.W.: Dr. G. F. HUMPHREY, M.SC., PH.D.
Food Preservation, Homebush, N.S.W.: Dr. J. R. VICKERY, M.SC., PH.D.
Forest Products, Melbourne: (Vacant).
Mathematical Statistics, Adelaide: Prof. E. A. CORNISH, D.SC., B.AGR.SC., F.A.A.
Mechanical Engineering, Melbourne: R. N. MORSE, B.SC., B.E.
Meteorological Physics, Melbourne: Dr. C. H. B. PRIESTLEY, M.A., SC.D., F.A.A.
Mineral Chemistry, Melbourne: I. E. NEWNHAM, M.B.E., M.SC.
Organic Chemistry, Melbourne: Dr. J. R. PRICE, D.SC., D.PHIL., F.A.A.
Physical Chemistry, Melbourne: Dr. S. D. HAMANN, M.SC., PH.D.
Physics, Sydney: Dr. R. G. GIOVANELLI, D.SC., F.A.A.
Plant Industry, Canberra: Dr. J. E. FALK, M.SC., PH.D., F.A.A.
Protein Chemistry, Melbourne: Dr. F. G. LENNOX, D.SC.
Radiophysics, Sydney; Dr. E. G. BOWEN, C.B.E., M.SC., PH.D., F.A.A.
Soils, Adelaide: Dr. E. G. HALLSWORTH, B.SC., PH.D.
Textile Industry, Geelong, Victoria: Dr. M. LIPSON, B.SC., PH.D.
Textile Physics, Sydney: V. D. BURGMANN, B.SC., B.E.
Tribophysics, Melbourne: Dr. W. BOAS, D.ING., M.SC., F.A.A.
Tropical Pastures, Brisbane: Dr. J. G. DAVIES, PH.D., D.SC.
Wildlife Research, Canberra: Dr. J. H. FRITH, D.SC.AGR.

Officers-in-Charge of Sections:

Computing Research Section, Canberra: Dr. G. N. LANCE, M.SC., PH.D.
Editorial and Publications, Melbourne: A. E. SCOTT, M.SC. (Editor-in-Chief).
Horticultural Research Section, Adelaide: Dr. J. V. POSSINGHAM, B.AGR.SC., M.SC., D.PHIL.
Irrigation Research Laboratory, Griffith, N.S.W.: E. R. HOARE, B.SC., M.I.E.E.
Mineragraphic Investigations, Melbourne: A. J. GASKIN, M.SC.
Ore-Dressing Investigations, Melbourne: Prof. H. H. DUNKIN, B.MET.E.
Physical Metallurgy, Melbourne: Prof. M. E. HARGREAVES, B.MET.E., PH.D.
Soil Mechanics, Melbourne: Dr. G. D. AITCHISON, M.E., PH.D.
Upper Atmosphere, Camden, N.S.W.: Dr. D. F. MARTYN, F.R.S., PH.D., D.SC., F.A.A., F.R.S.
Wheat Research Unit, Sydney: E. E. BOND, A.R.M.T.C., F.R.A.C.I.

Publications: *Australian Journal of Agricultural Research* (bi-monthly), *Australian Journal of Botany* (irregular), *Australian Journal of Biological Sciences* (quarterly), *Australian Journal of Chemistry* (monthly), *Australian Journal of Marine and Freshwater Research* (irregular), *Australian Journal of Physics* (quarterly), *Australian Journal of Soil Research* (twice annually), *Australian Journal of Zoology* (irregular).

STATISTICS

Commonwealth Bureau of Census and Statistics: Commonwealth Offices, West Block, Canberra, A.C.T.; f. 1906; Commonwealth Statistician K. M. ARCHER; library of 30,000 vols.; publs. *Official Year Book of the Commonwealth, Pocket Compendium of Australian Statistics, Bulletins: Oversea Trade, Australian Exports, Imports cleared for Home Consumption, Demography, Causes of Death, Rural Industries, Non-rural Primary Industries and Value of Production, Labour Report, Transport and Communication, Quarterly Summary of Australian Statistics, Monthly Review of Business Statistics, Digest of Current Economic Statistics* (monthly), *Census 1961*, etc., Bulletins and Parts.

LIBRARIES

Australian Capital Territory

Australian National University Library: Canberra, A.C.T.; f. 1948; 340,000 vols.; includes libraries of the Institute of Advanced Studies, (183,000 vols.), of School of General Studies (92,000 vols.), of Centre of Oriental Studies (65,000 vols.); Librarian J. J. Graneek, M.A.

Commonwealth Patents, Trade Marks, Designs and Copyright Offices Library: Barton, Canberra.

Commonwealth Prime Minister's Department Library: East Block, Canberra; Government procedure and administiation with special strength in the history of Federation in Australia; Hansard and Commonwealth Year-Books; also Acts, Year-Books and Statistical Registers of the States; Statutory Regulations and similar material; foreign relations; military science; circ. to accredited persons only.

National Library of Australia: Canberra, A.C.T.; f. 1902; reference and research library. Prior to National Library Act 1960 was combined with the Commonwealth Parliamentary Library and known as Commonwealth National Library. One division provides lending services for residents of the Australian Capital Territory; copyright deposit library for Australian publications; central documentary and educational film library; important holdings of Australiana, including Petherick, Ferguson and Nan Kivell collections and Mathews Ornithological collection; 820,000 vols., 100,000 pamphlets, 125,000 maps, 1,500,000 feet of microfilm, and 9,000 film titles; Librarian H. L. White, C.B.E.; publs. *Annual Report of the Council* (1960–61 to date), *Australian Books*, a select list (1949 to date, annually), *Australian Films* (1940–58 and Supplements), *Australian Government Publications* (1961 to date, annually), *Australian National Bibliography* (January 1961 to date, monthly and annually, superseded *Annual Catalogue of Books* 1936–60), *Australian Public Affairs Information Service* (1945 to date, monthly and annually), *Catalogue of 16-mm. Films* (1960 and Supplements), *Current Australian Serials* (1964 to date, annually), *Guide to Collections of Manuscripts Relating to Australia* (1964 to date), *Historical Records of Australia* (33 vols. published to date), *Serials in Australian Libraries*, social sciences and humanities (1964 to date), *Union List of Newspepers* (1959–60 and Supplements), various monographic publications.

New South Wales

City of Sydney Public Library (formerly Sydney Municipal Library); Central Library, George Street, Sydney; f. 1909; 9 brs.; 250,000 vols.; City Librarian John Lyons; publs. *Annual Report, Monthly Book List.*

Commonwealth Office of Education Library: A.M.P. Building, 50 Miller Street, North Sydney; comparative education, educational psychology, general, UNESCO material.

Library of the University of New South Wales: Kensington, Sydney; f. 1949; as the N.S.W. University of Technology; 258,085 vols. at Kensington, Broadway, Newcastle and other centres; Librarian John Metcalfe, B.A., F.L.A.

Library of the University of New England: Armidale, N.S.W.; f. 1954; 160,000 vols.; Librarian F. H. Rogers, M.A., F.L.A., F.N.Z.L.A.

Newcastle Public Library: Civic Centre, Newcastle 2, N.; f. 1948; reference and lending services 175,000 vols.; Librarian C. E. Smith, B.A., A.L.A.A.

Parliamentary Library of New South Wales: Parliament House, Sydney, N.S.W. This library is over 100 years old and has a collection of well over 100,000 vols.

Public Library of New South Wales: Macquarie Street, Sydney; f. 1826; State copyright privileges; 760,000 vols.; includes Mitchell and Dixson Libraries and Galleries of Australiana and of historical pictures of Australasia and the Pacific; Principal Librarian and Sec. G. D. Richardson, M.A.; Deputy Principal R. M. McGreal, B.A.

Snowy Mountains Hydro-Electric Authority Library: Box 332, P.O., Cooma North; dams, civil engineering, electrical engineering, mechanical engineering, pure and applied science.

University of Sydney Library (Fisher Library): University, Sydney; f. 1852; 870,714 vols.; Librarian Harrison Bryan, M.A.

Victoria

Central Catholic Library: 343 Elizabeth Street, Melbourne; theology, sociology, church history.

Commonwealth Scientific and Industrial Research Organisation Libraries: Head Office Library, 314 Albert Street, East Melbourne, C.2., Victoria; the system covers 2 regional libraries and about 50 Divisional and Sectional libraries; the Head Office Library maintains a union catalogue of holdings; Librarian Miss B. C. L. Doubleday, M.A.; publs. *CSIRO Abstracts, Australian Science Index, Scientific Serials in Australian Libraries* (loose-leaf).

Monash University Library: Clayton, Victoria; f. 1961; Librarian E. H. Clark, B.A.

Parliament Library: Parliament House, Spring Street, Melbourne, Victoria; f. 1851; 160,000 vols.; social sciences, parliamentary papers, debates, statutes; Librarian L. E. Parkes.

Public Library of Victoria: named changed in 1961 to State Library of Victoria.

State Library of Victoria: Swanston Street, Melbourne, C.1; f. 1853; the State library for reference (830,000 vols.) and central lending (183,000 vols.); State legal deposit privileges; State archives (over 4 million documents); special collection of art, music, heraldry and genealogy, typography, and Australiana; Archives of State Govt. Depts.; Chief Librarian (Vacant).

University of Melbourne Library: Melbourne; f. 1855; 403,675 vols.; Librarian K. A. Lodewycks, B.A.

Queensland

Supreme Court Library: George Street, Brisbane; f. 1862; 35,000 vols. Librarian G. H. G. Smith;

Parliamentary Library of Queensland: Parliament House, Brisbane; f. 1860; 90,000 vols.; State copyright privileges; Printed catalogue to 1900, 3 vols.; Librarian S. G. Gunthorpe.

Public Library of Queensland: William Street, Brisbane; f. 1896; 246,421 items; the State reference library, non-lending except through its Country Extension Service, includes Oxley Memorial Library of Australiana; has library deposit privileges; State Librarian J. L. Stapleton.

University of Queensland Library: Brisbane; f. 1911; 360,000 vols.; Librarian F. D. O. Fielding, M.A., A.L.A., A.L.A.A.

Western Australia

Library of the University of Western Australia: Perth; f. 1913; 260,000 vols.; Librarian Leonard Jolley.

Library Service of Western Australia: 3 Francis Street, Perth; Reference Division: f. 1887; State Library, Archives and Bibliographical Centre; 200,000 vols.; copyright privilege; State Librarian F. A. Sharr, B.A., F.L.A.; Lending Division: f. 1954; 500,000 vols., 91 libraries.

South Australia

Library of the South Australian Institute of Technology: North Terrace, Adelaide; f. 1889; reorganised 1955; 11,000 vols.; Librarian A. R. Keig.

Public Library of South Australia: North Terrace, Adelaide; f. 1884; State copyright privileges; 310,000 vols.; Principal Librarian H. C. Brideson; publ. *South Australiana*.

Library of the University of Adelaide: Adelaide; f. 1876; 375,000 vols.; Librarian I. D. Raymond, M.A., M.S.

Tasmania

State Library of Tasmania: (taking in Tasmanian Public Library, f. 1849), f. 1944; Murray Street, Hobart; 340,186 vols. for adults, 161,931 for children; individual service to whole population; box service to municipal libraries serves 98 per cent of population; 3,007 documentary films and 3,718 gramophone record collection; State Librarian B. W. Wray, F.L.A.

University of Tasmania Library: Hobart; f. 1920; 150,000 vols.; Librarian George Jenks (acting).

MUSEUMS AND ART GALLERIES

New South Wales

Art Gallery of New South Wales: Domain, Sydney; f. 1874; the Gallery has a large and representative collection of Australian art (including Aboriginal art), collections of British art of the 18th, 19th and 20th centuries, oriental art, European paintings, prints and sculptures (15th-20th century), Japanese woodcuts and Chinese and English ceramics; Dir. Hal Missingham; publs. *Quarterly, Catalogue of Acquisitions* (annual), etc.

Australian Museum: College Street, Sydney; f. 1827; natural history, ethnology, palaeontology and mineralogy; Dir. (Vacant); Deputy Dir. H. O. Fletcher, M.SC. (Palæontology); Scientific Staff: R. O. Chalmers, A.S.T.C. (Mineralogy and Petrology); J. C. Yaldwyn, PH.D., Elizabeth C. Pope, M.SC., F.R.Z.S., C.M.Z.S. (Lower Invertebrates); D. F. McMichael, M.A., PH.D. (Conchology); H. G. Cogger, B.SC. (Amphibia, Herpetology); D. McAlpine, M.SC. and C. N. Smithers, M.SC. (Entomology and Arachnology); G. P. Whitley, F.R.Z.S. (Ichthyology); B. Marlow, B.SC., F.Z.S. (Mammalogy and Osteology); F. D. McCarthy, DIP.ANTHROP. (Anthropology and Ethnology); Librarian M. Davies, B.SC.; 34,000 vols.; publs. *Records of the Australian Museum, Memoirs and Monographs* (occasional), *Australian Museum Magazine* (quarterly); *Australian Aboriginal Decorative Art, Australian Aboriginal Rock Art, Handbook of the Australian Museum, Exploring Between Tidemarks, The Frogs o New South Wales.*

Macleay Museum of Natural History: Univ. of Sydney, Sydney; f. 1873; Zoology, Palaeontology and Ethnology; reference and research material in Entomology (approx. 4,000 type specimens), Ornithology, Reptilia Icthyology and Marine Invertebrata; Curator Mrs. Jenny Anderson.

Mining and Geological Museum: George Street North, Sydney; Curator H. F. Whitworth.

Museum of Applied Arts and Sciences: Harris Street, Broadway, Sydney; f. 1880; administered by Board of 7 Trustees; Ceramics, oriental arts, textiles, costume, horology, arms, plastics, engineering, electronics, aviation, transport, planetarium, scientific research in Australian plant products, esp. essential oils; experimental plantation at Castle Hill, near Sydney. Herbarium. Dir. J. L. Willis, M.SC., Dep. Dir. H. H. G. McKern, M.SC., Research Officer B. E. J. Small, M.SC., Chemist R. O. Hellyer, M.SC., Keeper of Exhibits H. L. Brown. Library 10,000 vols.; publs. bulletins, guides, educational leaflets, scientific papers, etc., *Annual Report.*

Nicholson Museum of Antiquities: Univ. of Sydney, Sydney; f. 1860; collection of prehistoric Egyptian, Near Eastern, Cypriot, Greek and Roman antiquities; Curator Prof. A. Cambitoglou, D.PHIL., PH.D.; Honorary Curator Emeritus Prof. A. D. Trendall.

J. L. Shellshear Museum of Comparative Anatomy and Physical Anthropology: Dept. of Anatomy, Univ. of Sydney; f. 1958; comparative racial series of human skulls, skeletons, and brains, and marsupials; Curator Prof. of Anatomy.

War Memorial Gallery of Fine Arts: University of Sydney, Sydney; f. 1959 to further interest in and knowledge of the fine arts; frequent loan exhibitions of pictures and objects; Dir. A. A. Gamble, A.R.I.B.A., F.R.A.I.A.

J. T. Wilson Museum of Human Anatomy: Dept. of Anatomy, Univ. of Sydney; f. 1886; includes 1,000 dissected parts and cross sections of the human body; Curator Prof. Dept. of Anatomy.

Victoria

Institute of Applied Science of Victoria: Swanston Street, Melbourne; f. 1870; Dir. R. Hindle Fowler, M.AGR.SC., Asst. Dir. F. J. E. Kendall, B.AGR.SC.; Departments: Display galleries include Engineering; Applied Physics, Chemistry, Biology and Geology; Public Health, Communications, Transport. Radio-carbon Dating Service; Planetarium; Telescope demonstrations.

Leighton Gallery of Art (W. and G. Dean Pty. Ltd.), Leighton House, 346–348 Little Collins Street, Melbourne, C.1.

Museum of Modern Art and Design of Australia: 180 Flinders Street, Melbourne; f. 1958; to promote contemporary spirit in all fields of art; Dir. John Reed; publ. *Modern Australian Art*, Vol. I.

National Gallery of Victoria: Melbourne; f. 1859; Dir. Eric Westbrook; Asst. Dir. Gordon Thomson, B.A. Curator of Prints and Drawings Dr. Ursula Hoff Curator of Art Museum David Lawrance; Education Officer Robert S. Thomas; Head of Art School John Brack; contains most important collection in Southern Hemisphere; Old Masters, Modern School, Australian works and many thousands of fine prints and drawings. The Art Museum contains European and Oriental sculpture, period furniture, pottery, ceramics, bronzes, glass and silver; publs. *Broadsheet* (bi-monthly), *Annual Bulletin* and various catalogues, coloured reproductions.

National Museum of Victoria: Russell Street, Melbourne; f. 1854; natural history, anthropology, palæontology and mineralogy; Dir. John McNally, M.SC.; Assistant Dir. E. D. Gill, B.A.; Scientific Staff: A. W. Beasley, PH.D., M.SC. (Mineralogy), A. Massola (Anthropology), A. R. McEvey, B.A. (Ornithology), (Mammalogy Vacant), A. Neboiss, M.SC. (Entomology), J. Hope Macpherson, M.SC. (Conchology); Librarian Joyce M. Shaw, B.A.; 40,000 vols.; publs. *Memoirs of the National Museum, Handbook* Series.

QUEENSLAND

Botanic Museum and Herbarium: Brisbane; f. 1889; Govt. Botanist S. L. EVERIST.

Queensland Art Gallery: Gregory Terrace, Brisbane; f. 1895; Australian, European and Asian collections; Dir. LAURENCE THOMAS; publ. *Art in Queensland 1859–1959.*

Queensland Museum: Gregory Terrace, Brisbane; f. 1855; zoology, geology, history, ethnology; Dir. J. T. WOODS, M.SC.; publ. *Memoirs of the Queensland Museum.*

SOUTH AUSTRALIA

National Gallery of South Australia: North Terrace, Adelaide; f. 1881; collections of paintings, sculpture and other works of art, numismatics and historical items acquired under the terms of bequests of Thomas Elder, Morgan Thomas, David Murray, A. M. and A. R. Ragless, J. T. Mortlock and the d'Auvergne Boxall family and Government grant; Dir. ROBERT CAMPBELL, O.B.E.; publ. *Bulletin of the National Gallery of South Australia* (quarterly).

South Australian Museum: North Terrace, Adelaide; f. 1856; zoological material mainly from Southern and Central Australia; the Australian ethnological collection is outstanding, and, for south and central districts, one of the best in existence; approx. 20,000 vols. in library; Dir. W. PETER CROWCROFT, M.SC., D.PHIL; publ. *Records of the South Australian Museum—1918.*

WESTERN AUSTRALIA

Museum of Western Australia: Beaufort Street, Perth; f. 1887; Dir. W. D. L. RIDE, M.A., D.PHIL.; primarily natural history but also includes small historical and technological sections; main emphasis is on Western Australia.

Western Australian Art Gallery, The: Beaufort Street, Perth; f. 1895; Dir. FRANK NORTON, A.S.T.C.; Prof. Assistant JOHN FEENEY, DIP.P.T.C.

TASMANIA

Queen Victoria Museum: Wellington Street, Launceston; f. 1891; collections comprise pure and applied art, Tasmanian history, Tasmanian and general anthropology, Tasmanian botany, geology, palæontology and zoology; Dir. W. F. ELLIS, F.R.A.I.; publ. *Records of the Queen Victoria Museum* (periodically).

Tasmania Museum and Art Gallery: 5 Argyle Street, Hobart (G.P.O. Box No. 416-B); f. 1848; Dir. Dr. W. BRYDEN, B.A., M.SC. (N.Z.), PH.D. (Edin.), F.R.S.E.

UNIVERSITIES

UNIVERSITY OF ADELAIDE

ADELAIDE

Telephone: 234333.
Telegraphic Address: UNIVAD.

Founded 1874.

Opened 1876.

Royal Letters Patent 1881.

Chancellor: The Hon. Sir GEORGE LIGERTWOOD, B.A., LL.B.
Deputy Chancellor: Sir KENNETH WILLS, K.B.E., M.C., E.D.
Vice-Chancellor: H. B. BASTEN, C.M.G., M.A.
Deputy Vice-Chancellor: G. M. BADGER, M.SC., PH.D., D.SC., F.R.I.C., F.A.A.
Registrar: V. A. EDGELOE, B.A.
Librarian: I. D. RAYMOND, M.A., M.S.
Principal, Bedford Park: Prof. P.H. KARMEL, PH.D.

Number of full-time teachers: 520, including 73 professors.

Number of students (1965): 9,110.

Publication: *Australian Journal of Experimental Biology and Medical Science*; Editor: Prof. D. ROWLEY, M.D., PH.D.; *The Joseph Fisher Lecture in Commerce*; *Reports of Summer Schools*; *Adelaide Law Review*; *Australian Economic Papers.*

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ROWLEY, D., M.D., PH.D, Microbiology
RUDD, E. A., A.M., Economic Geology
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RUSSELL, E. A., M.A., Economics
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STRANKS, D. R., PH.D., Inorganic Chemistry
STRETTON, H., M.A., History
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TREVASKIS, J. R., M.A., Classics
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WILLOUGHBY, E. O., M.A., Electrical Engineering

AFFILIATED RESIDENTIAL COLLEGES:

St. Mark's College Inc.: North Adelaide; f. 1922; number of students 115.
Master: R. B. LEWIS, B.A., B.SC.

St. Ann's College Inc.: North Adelaide; f. 1939; number of students: 90.
Principal: Miss M. K. DEASEY, M.A.

Aquinas College Inc.: North Adelaide; f. 1947; number of students: 90.
Rector: Very Rev. Father B. BUXTON, S.J., M.A.

Lincoln College Inc.: North Adelaide; f. 1951; number of students: 120.
Master: Rev. W. F. HAMBLY, M.A., D.D.

AFFILIATED INSTITUTIONS:

S.A. Institute of Technology: North Terrace, Adelaide; f. 1889; number of full-time teachers: 152; number of students: 11,900.
Director: S. I. EVANS, PH.D.

Roseworthy Agricultural College: Roseworthy; f. 1883; number of teachers: 18; number of students: 99.
Principal: R. I. HERRIOT, B.AG.SC.

THE AUSTRALIAN NATIONAL UNIVERSITY

BOX 4, P.O., CANBERRA, A.C.T.

Founded 1946.

Telephone: Canberra 495111.
Telegraphic Address: Natuniv, Canberra.

Undergraduate students were accepted for the first time in 1960, when the Canberra University College (f. 1929) became part of the University.

Chancellor: Lord FLOREY OF ADELAIDE, O.M.
Pro-Chancellor: H. C. COOMBS, M.A., PH.D., HON. D.LITT., HON. LL.D.
Vice-Chancellor: Emeritus Professor Sir LEONARD HUXLEY, K.B.E., M.A., D.PHIL., HON. D.SC., F.INST.P., F.A.A.
Deputy Vice-Chancellor: Sir HUGH ENNOR, C.B.E., D.SC., F.A.A.
Master of University House: Emeritus Professor A. D. TRENDALL, C.M.G., K.C.S.G., M.A., LITT.D., HON. LITT.D., HON. D.LITT., F.S.A.
Registrar: R. A. HOHNEN, B.EC.
Library: *See under* Libraries.

Publications: *University Calendar, Annual Report, A General Description of the University, Faculty Handbook* (School of General Studies), *Federal Law Review, Mount Stromlo Observatory, The Australian National University News, Inaugural Lectures, Commonwealth Literary Fund Lectures, Morrison Oration, Research Students' Annual Lecture, Visitor's Guide, Degree Coursse Pamphlets.*

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(Vacant—Particle Physics)

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BUTLIN, N. G., B.EC., Economic History
HANCOCK, Sir KEITH, M.A., HON. D.LITT., F.B.A. History
MORAN, P. A. P., M.A., D.SC., Statistics
PARKER, R. S., M.B.E., M.EC., Political Science
PARTRIDGE, P. H., M.A., Social Philosophy
PASSMORE, J. A., M.A., Philosophy
PIKE, D. H., D.LITT., Australian Dictionary of Biography
SAWER, G., LL.M., Law
SWAN, T. W., B.EC., Economics
(Vacant—Sociology)

The Research School of Pacific Studies. *Director:* Sir JOHN CRAWFORD, C.B.E., M.EC.

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BARNES, J. A., D.S.C., M.A., D.PHIL., Anthropology and Sociology
CRAWFORD, Sir JOHN, C.B.E., M.EC., Economics
DAVIDSON, J. W., M.A., PH.D., Pacific History
FITZGERALD, C. P., Far Eastern History
MILLER, J. D. B., M.EC., International Relations
SPATE, O. K. H., M.A., PH.D., Geography
STANNER, W. E. H. S., M.A., PH.D., Anthropology and Sociology

THE SCHOOL OF GENERAL STUDIES

Principal, School of General Studies: Professor H. BURTON, C.B.E., M.A.
Registrar, School of General Studies: C. G. PLOWMAN, B.EC.

Number of teachers: 225 including 27 professors.

Number of students: 1,817 men, 733 women, 2,550 total.

DEANS:

Faculty of Arts: Professor R. ST. C. JOHNSON, M.A., DIP.ED.
Faculty of Economics: Professor B. D. CAMERON, M.EC., PH.D.
Faculty of Law: Professor J. E. RICHARDSON, LL.M.
Faculty of Oriental Studies: Professor A. H. JOHNS, PH.D.
Faculty of Science: Professor D. N. F. DUNBAR, M.SC., PH.D.

PROFESSORS:

BROWN, A., M.A., PH.D., Applied Mathematics
BROWN, D. A., M.SC., PH.D., D.I.C., Geology
BUCHDAHL, H. A., D.SC., A.R.C.S., Theoretical Physics
CAMERON, B. D., M.EC., PH.D., Applied Economics
CLARK, C. M. H., M.A., History
CRISP, L. F., M.A., Political Science
DUNBAR, D. N. F., M.SC., PH.D., Physics
GIBB, C. A., M.A., PH.D., F.B.PS.S., Psychology
HAMBLY, A. H., M.SC., DIP.ED., F.R.A.C.I., Chemistry
HANNAN, E. J., PH.D., Statistics
HERBST, P., M.A., Philosophy
HOPE, A. D., B.A., English
JOHNS, A. H., PH.D., Indonesian Language and Literature
JOHNSON, R. ST. C., M.A., DIP.ED., Classics
LEARMONTH, A. T. A., M.A., PH.D., Geography
MALMQVIST, N. G. D., FIL.LIC., Chinese
NEUMANN, HANNA, D.PHIL., D.SC., Pure Mathematics

PRYOR, L. D., D.SC., Botany
RICHARDSON, J. E., LL.M., Law
SCALES, D. P., D.de l'U., Modern Languages
SMYTH, J. D., M.A., PH.D., SC.D., Zoology
TUCKER, G. S. L., PH.D., Economic History

LA TROBE UNIVERSITY

VICTORIA

Graduate and undergraduate teaching and research will begin in March 1967 and it is planned that the University will develop progressively to an enrolment of about 10,000 students in the following decade.

Vice-Chancellor: Prof. D. B. MYERS.

MACQUARIE UNIVERSITY

SYDNEY

The University plans to commence graduate and undergraduate teaching on the campus at North Ryde, Sydney, at the beginning of 1967, and to provide for the enrolment of 10,000 undergraduates in the following decade.

UNIVERSITY OF MELBOURNE

PARKVILLE, N.2, MELBOURNE

Telephone: 34 0484.

Founded 1853.

Chancellor: The Hon. Sir ARTHUR DEAN, LL.M., LL.D., Q.C.
Deputy Chancellor: Sir WILLIAM UPJOHN, O.B.E., M.D., M.S., F.R.C.S., F.R.A.C.S.
Vice-Chancellor: Prof. Sir GEORGE PATON, M.A., LL.D., D.C.L.
Deputy Vice-Chancellor: Prof. E. S. HILLS, D.SC., PH.D., D.I.C., F.A.A., F.R.S.
Registrar: F. H. JOHNSTON, B.A., B.COM., L.C.A., J.P.
Secretary for Graduate Studies: L. R. D. PYKE, M.A., DIP.ED., B.SC.

Number of teachers: 817, including 70 professors.

Number of students: 13,700.

Publications: *Melbourne University Calendar* (annual), *Faculty Handbooks* (annual), *University of Melbourne Guide* (annual), *Melbourne University Gazette*, *Research Report* (annual), *The Melbourne Graduate Newsletter* (monthly), *Handbook of Public and Matriculation Examinations* (annual).

DEANS:

Faculty of Agriculture: H. C. FORSTER, PH.D., M.AGR.SC.
Faculty of Architecture: B. B. LEWIS, M.A., PH.D., F.R.I.B.A., F.R.A.I.A.
Faculty of Arts: (Vacant).
Faculty of Dental Science: Sir ARTHUR B. P. AMIES, C.M.G., LL.D., D.D.SC., D.L.O., F.R.C.S., F.R.A.C.S. (L.O.), F.D.S.R.C.S.(ED.), F.R.S.E., F.A.C.D.
Faculty of Economics and Commerce: W. PREST, M.A., M.COM.
Faculty of Education: (Vacant).
Faculty of Engineering: C. E. MOORHOUSE, M.E.E., D.ENG.
Faculty of Law: Z. COWEN, M.A., LL.M.
Faculty of Medicine: S. SUNDERLAND, C.M.G., D.SC., M.D., B.S., F.R.A.C.P., F.R.A.C.S., F.A.A.
Faculty of Music: G. F. LOUGHLIN, M.A., D.MUS., F.R.C.O., A.R.C.M.
Faculty of Science: V. D. HOPPER, D.SC., F.INST.P.
Faculty of Veterinary Science: D. C. BLOOD, B.V.SC.
Faculty of Applied Science: A. S. BUCHANAN, PH.D.

PROFESSORS:

AMIES, Sir ARTHUR B. P., C.M.G., D.D.SC., D.L.O., F.R.C.S., F.R.A.C. (L.O.), F.D.S.R.C.S., F.R.S. (ED.), F.A.C.D., Dental Science
ANDREWS, JOHN, PH.D., Geography
ATKINSON, H. F., M.B.E., M.SC., M.D.SC., D.D.S., F.D.S.R.C.S. (ED.), Dental Prosthetics
BALL, W. M., M.A., Political Science
BLOOD, D. C., B.V.SC., Veterinary Medicine
BOWMAN, JOHN, M.A., D.PHIL., Semitic Studies
BRETT, P., LL.B., Law
BUCHANAN, A. S., PH.D., Physical Chemistry
BURKE, J. T., O.B.E., M.A., Fine Arts
BURNET, Sir MACFARLANE, O.M., M.D., PH.D., SC.D., D.SC., F.R.C.P., F.R.A.C.P., F.A.A., F.R.S., Experimental Medicine
CARO, D. E., M.SC., PH.D., F.INST.P., Experimental Physics
COLLINS, V. L., M.D., B.S., D.C.H., Child Health
COWEN, Z., M.A., LL.M., Public Law
COWLEY, J. C., PH.D., D.SC., F.A.A., F.INST.P., Physics
CRAGGS, J. W., PH.D., Applied Mathematics
CRAWFORD, R. M., M.A., History
CTOCK, G. W., M.B., F.R.C.S., Ophthalmology
De GRUCHY, G. C., M.D., B.S., M.R.C.P., F.R.A.C.P., M.C.P.A., Medicine
DERHAM, D. P., M.B.E., LL.M., Jurisprudence
DOWNING, R. I., DIP.EC., Economic Research
EWING, M. R., M.B., CH.B., M.SC., F.R.C.S.ED. F.R.C.S., Surgery; James Stewart Professor
FORD, H. A. J., LL.M., S.J.D., Commercial Law
FORSTER, H. C., PH.D., M.AGR.SC., Agriculture
FRANCIS, A. J., M.SC., PH.D., A.M.I.C.E., A.M.I.STRUCT.E., Civil Engineering
FREDERICK, W. H., M.A., DIP.ED., Education
GIBSON, A. B., M.A., D.LITT., Philosophy
GOLDBERG, L., M.COM., F.A.S.A., Accounting
GREENWOOD, J. N., M.MET.E., D.SC., *Personal Chair*
HILLS, E. S., D.SC., PH.D., D.I.C., F.A.A., F.R.S., Research in Geology
HOPPER, V. D., D.SC., F.INST.P., Physics, R.A.A.F. Academy
HUNT, H. A. K., M.A., LITT.D., DIP.ED., Classics
ISAAC, J. E., PH.D., Economics
JACKMAN, L. M., M.SC., PH.D., Organic Chemistry
JACKSON, R. F., M.A., French
JOHNSTON, G. K. W., M.A., English
JUBB, K. V. F., B.V.SC. (SYD.), M.SC., PH.D. (CORNELL), Veterinary Pathology
KING, E. S. J., D.SC., M.D., M.S., F.C.P.A. F.A.A., Pathology
LA NAUZE, J. A., M.A., History
LEEPER, G. W., M.SC., Agricultural Chemistry
LEWIS, B. B., M.A., PH.D., F.R.I.B.A., F.R.A.I.A., Architecture
LOUGHLIN, G. F., M.A., D.MUS., F.R.C.O., A.R.C.M., Music
LOVE, E. R., PH.D., Pure Mathematics
LOVELL, R. R. H., M.D., B.S., M.SC., M.R.C.P., M.R.C.S., Medicine; James Stewart Professor
MARTIN, R. L., M.SC., PH.D., Inorganic Chemistry
MAXWELL, I. R., LL.B., B.LITT., English Language and Literature
MOHR, C. B. O., M.SC., PH.D., F.INST.P., Theoretical Physics
MOORHOUSE, C. E., M.E.E., M.I.E.AUS., MEM.A.I.E.E., A.M.I.E.E., Electrical Engineering
OESER, O. A., M.A., M.SC., DR.PHIL., PH.D., F.B.PS.S., Psychology
PREST, W., M.A., M.COM., Economics
RAY, L. J., M.B., B.S., PH.D., Anatomy
RENNIE, B. C., M.A., PH.D., Mathematics, R.A.A.F. Academy
RUBBO, S. D., B.SC., M.B., B.S., PH.D., DIP.BACT., M.P.S., Bacteriology
SAMUEL, R. H., DR.PHIL., PH.D., Germanic Languages
SHAW, F. H., M.SC., PH.D., Pharmacology
SIMON, H. F., B.A., Oriental Studies
STOREY, E., D.D.SC., PH.D., Conservative Dentistry
SUNDERLAND, S., C.M.G., D.SC., M.D., B.S., F.R.A.C.P., F.A.A., Experimental Neurology
TOWNSEND, S. L., V.R.D., M.B., B.S., F.R.C.S. (EDIN.), F.R.A.C.S., F.R.C.O.G., D.T.M. & H., Obstetrics and Gynæcology
TRIKOJUS, V. M., D.SC., PH.D., Biochemistry
TURNER, J. S., M.A., M.SC., PH.D., F.A.A., Botany
WHITE, M. J. D., D.SC., F.A.A., Zoology
WILLETT, F. J., B.A., Commerce and Business Administration
WILLIAMS, E. J., D.SC., Statistics
WOODRUFF, W., M.A., PH.D., DIP.ECON. AND POL.SC., M.COM., Economic History
WORNER, H. W., D.SC., F.I.M., M.AUST.I.M.M. A.R.A.C.I., Metallurgy
WRIGHT, R. D., M.B., M.S., D.SC., F.R.A.C.S., F.R.A.C.P., Physiology

AFFILIATED RESIDENTIAL COLLEGES:

Trinity College.

Ormond College.

Queen's College.

St. Mary's Hall.

Newman College.

University Women's College.

Janet Clarke Hall.

MONASH UNIVERSITY

WELLINGTON ROAD, CLAYTON, VICTORIA

Telephone: Melbourne 544, 0611.

Telegraphic Address: Monashuni, Melbourne.

Founded 1958 (opened 1961).

Chancellor: Sir ROBERT BLACKWOOD, M.C.E., B.E.E., M.I.E.AUST.
Vice-Chancellor: J. A. L. MATHESON, M.B.E., M.SC., M.C.E., PH.D., M.I.C.E., M.I.STRUCT.E., M.I.E.AUST.
Registrar: F. H. JOHNSON, M.A.

Librarian: E. H. CLARK, B.A., F.L.A.A.

Number of teachers: 460.

Number of students: 4,250.

Publications: *General Information for Students* (1965), *Calendar* (1965), *Faculty Handbooks* (1965), *University Council Report 1963*, *University Brochure*, *University Gazette*.

DEANS:

Faculty of Arts: G. R. MANTON, M.A.

Faculty of Economics and Politics: D. COCHRANE, PH.D.

Faculty of Engineering: K. H. HUNT, M.A., M.MECH.E., M.I.MECH.E., M.I.E.AUST.

Faculty of Law: D. P. DERHAM, M.B.E., LL.M.

Faculty of Medicine: R. R. ANDREW, M.D., F.R.C.P., F.R.A.C.P.

Faculty of Science: K. C. WESTFOLD, D.PHIL., M.A.

PROFESSORS:

ANDREW, R. R., M.D., F.R.C.P., F.R.A.C.P., Medicine
BARDEN, R. G., PH.D., A.M.I.MECH.E., A.M.I.E.AUST., Engineering
BODI, L., PH.D., German
BOLTON, H. C., PH.D., Physics
BORNSTEIN, J., D.SC., M.D., B.S., F.R.A.C.P., Biochemistry
BROWN, R. D., PH.D., M.SC., Chemistry
CANNY, M. J. P., M.A., PH.D., Botany
COCHRANE, D., PH.D., Economics
DAVIS, S. R., PH.D., LL.B., Politics
DAY, R. H., PH.D., Psychology
DERHAM, D. P., M.B.E., LL.M., Law
DUDLEY, H. A. F., M.B., CH.M., F.R.C.S.E., Surgery
FINCH, P. D., B.A., Mathematical Statistics
HUDSON, B., M.D., B.S., PH.D., M.R.C.P., F.R.A.C.P., M.C.P.A., Medicine
HUNT, K. H., M.A., M.MECH.E., M.I.MECH.E., M.I.E.AUST., Engineering
JOHNSON, B. L. C., PH.D., M.A., Geography
LAMPARD, D. G., M.SC., PH.D., F.I.E.E.E., M.I.E.E., A.INST.P., Engineering
LAUFER, R. M. A., L. ès L., AGRÉGÉ DE L'UNIVERSITÉ, Modern Languages
LEGGE, J. D., D.PHIL., M.A., History
MARMION, B. P., M.D., B.S., M.C.P.A., M.R.C.S., L.R.C.P., Microbiology
MARSHALL, A. J., D.PHIL., D.SC., Zoology and Comparative Physiology
MCINTYRE, A. K., M.B., B.S., D.SC., F.A.A., Physiology
MONRO, D. H., M.A., Philosophy
MURRAY, N. W., PH.D., Engineering
NAIRN, R. C., M.D., CH.B., PH.D., M.C.P.A., Pathology
POTTER, O. E., M.SC., PH.D., M.SC.APP., A.M.I.CHEM.E., A.R.A.C.I., Chemical Engineering
SCHOFIELD, G. C., M.D., CH.B., D.PHIL., Anatomy
SCOTT, W. A. G., B.LITT., B.A., English
SHAW, A. G. L., M.A., History
SKINNER, C., PH.D., DIP.O.A.S., Indonesian Languages
STREET, R., M.SC., PH.D., Physics
WESTFOLD, K. C., D.PHIL., M.A., Mathematics

UNIVERSITY OF NEW ENGLAND

ARMIDALE, N.S.W.

Telephone: Armidale 2231.

Telegraphic Address: University, Armidale.

Founded 1954.

Chancellor and Chairman of the Council: P. A. WRIGHT, C.M.G., D.SC.

Deputy Chancellor: The Rt. Rev. J. S. MOYES, C.M.G., M.A., D.D., TH.D., D.LITT.

Vice-Chancellor: R. B. MADGWICK, O.B.E., M.EC., D.PHIL., D.LITT., LL.D.

Registrar: T. C. LAMBLE, B.A.

Librarian: F. H. ROGERS, M.A., F.L.A., F.N.Z.L.A., A.L.A.A.

Library: *see under* Libraries.

Number of teachers: 320, including 25 professors.

Number of students: 2,925 men, 1,071 women, total 3,996.

Publications: *Calendar* (annually), *Handbook* (annually), *Bulletin* (irregular), *Neucleus*, Monographs on New England Regional Research (irregular).

DEANS:

Faculty of Arts: E. J. TAPP, M.A.

Faculty of Science: J. V. EVANS, D.SC., M.R.C.V.S.

Faculty of Rural Science: G. L. MCCLYMONT, B.V.SC., PH.D.

Faculty of Agricultural Economics: J. N. LEWIS, B.EC., M.P.A.

PROFESSORS:

BEADLE, N. C. W., D.SC., Botany
BELSHAW, J. P., M.A., PH.D., Economics
BISHOP, J. H., M.A., Classics
BUTLAND, G. J., PH.D., DIP.ED., Geography
COGHLAN, B. L. D., PH.D., German
DAVIES, J. C., B.A., D.U.P., DIP.ED., French
FLETCHER, N. A., M.A., PH.D., F.I.P., Physics
GODDARD, L., M.A., B.PHIL., Philosophy
HOWIE, D., M.A., PH.D., DIP.ED., F.B.PS.S., Psychology
LEWIS, J. N., B.EC., M.P.A., Agricultural Economics
MCCLYMONT, G. L., B.V.SC., PH.D., Rural Science
MCGLASHAN, L. R. P., DR.PHIL., DIP.ED., F.B.PS.S., Psychology
O'FARRELL, A. F., B.SC., A.R.C.S., F.R.E.S., Zoology
PIPER, H. W., M.A., D.LITT., English
RICHARDSON, J. A., M.A., PH.D., DIP.ED., DIP.ED.PSYCH., Education
SMITH, R. C. T., M.A., D.PHIL., Mathematics
SOMERVILLE, J. M., M.A., D.SC., F.I.P., Physics
STOKES, R. H., D.SC., PH.D., F.R.I.C., F.A.A., F.R.A.C.I., Chemistry
VOISEY, A. H., D.SC., Geology
WILLIAMS, C. M., D.PHIL., History

THE UNIVERSITY OF NEW SOUTH WALES

(formerly The New South Wales University of Technology)

POST OFFICE BOX 1, KENSINGTON (SYDNEY), N.S.W.

Telephone: 663-0351.

Founded 1948.

Chancellor: The Hon. JOHN S. J. CLANCY, C.M.G., LL.B., HON. D.LITT.

Deputy Chancellor: Sir ROBERT J. WEBSTER, Kt., C.M.G., C.B.E., M.C., HON. D.SC., F.A.S.A.

Vice-Chancellor: Sir PHILIP BAXTER, K.B.E., C.M.G., PH.D., F.A.A., F.R.A.C.I., A.M.I.CHEM.E., M.I.E.AUST.

Pro-Vice-Chancellors: RUPERT H. MYERS, M.SC., PH.D., F.I.M., F.R.A.C.I., M.AUST.I.M.M.; JOHN F. CLARK, M.A., DIP.ED., PH.D.

Registrar: GODFREY L. MACAULEY, B.EC.

Bursar: JOSEPH O. A. BOURKE, B.A.

Librarian: JOHN W. METCALFE, B.A., F.L.A.

Number of teachers: 62 professors, 65 associate professors, 468 senior lecturers and lecturers.

Number of students: 11,248.

Publications: *Calendar* (annual), *Research Report* (annual), *Technology*, *University News*, *Approach to Chemistry* (annual summer school publication), *Faculty Handbooks* (annual).

DEANS:

Faculty of Science: Prof. B. J. F. RALPH.

Faculty of Architecture: Prof. H. I. ASHWORTH.

Faculty of Engineering: Prof. A. H. WILLIS.

Faculty of Applied Science: Prof. M. CHAIKIN.

Faculty of Arts: Prof. M. S. BROWN.

Faculty of Commerce: Prof. E. B. SMYTH.

Faculty of Medicine: Prof. F. F. RUNDLE.

PROFESSORS:

ALLEN, J. A., M.SC., PH.D., F.R.A.C.I., Chemistry
ANGYAL, S. J., M.SC., PH.D., F.A.A., F.R.A.C.I., Organic Chemistry
ASHWORTH, H. I., O.B.E., M.A., B.ARCH., F.R.I.B.A., F.R.A.I.A., M.A.P.I., Architecture
AUCHMUTY, J. J., M.A., PH.D., M.R.I.A., F.R.HIST.S., F.I.A.L., History
AYSCOUGH, F. W., M.SC., M.I.CHEM.E., A.R.I.C., A.R.A.C.I., Chemical Technology
BARBER, H. N., M.A., PH.D., F.R.S., F.A.A., Botany
BEVERIDGE, J., M.B., B.S., M.R.A.C.P., Pediatrics
BLACKET, R. B., M.D., B.S., F.R.A.C.P., M.R.C.P., Medicine
BLATT, J. M., PH.D., F.A.P.S., Applied Mathematics
BLUNDEN, W. R., B.SC., B.E., A.M.I.E.AUST., A.INST.P., A.M.I.T.E. (U.S.A.), M.I.T. (LON.), Traffic Engineering
BLUNT, M. J., M.B., B.S., PH.D., L.M.S.S.A., Anatomy
BOSSON, G., M.SC., Mathematics
BOWLES, J. S., M.SC., F.I.M., Research Physical Metallurgy
BROWN, M. S., M.A., DIP.ED., PH.D., Sociology
BRYANT, R. A. A., M.E., A.S.T.C., A.M.I.E. AUST., A.M.I.MECH.E., A.F.R.AE.S., Mechanical Engineering—Nuffield Research Professor
CAREY, H. M., M.B., B.S., M.SC., F.R.C.S., F.R.A.C.S., F.R.C.O.G., Obstetrics and Gynæcology
CHAIKIN, M., B.SC., PH.D., DIP.ENG., F.T.I., Textile Technology
CLARK, J. F., M.A., DIP.ED., PH.D., Applied Psychology
FOWLER, R. T., PH.D., D.SC.ENG., A.R.I.C., M.I.CHEM.E., M.INST.E., A.I.M., Chemical Engineering

FREELAND, J. M., M.ARCH., D.T.R.P., A.R.A.I.A., Architecture
GEORGE, E. P., PH.D., F.INST.P., Physics
GRAY, C. A. M., M.E., A.M.I.C.E., A.M.I.E. AUST., Engineering
GRIFFITH, J. R., M.A., F.H.A., Hospital Administration
HALL, E. O., M.SC., PH.D., F.INST.P., F.I.M., M.A.I.M.M., Metallurgy
HUNTER, A., M.A., Economics
KEMP, M. C., M.A., PH.D., Economics
KETTLEBOROUGH, C. F., PH.D., A.M.I.MECH.E. Mechanical Engineering
KILOH, L. G., M.D., B.S., B.SC., M.R.C.S., M.R.C.P., L.R.C.P., D.P.M., Psychiatry
KORNER, P. I., M.D., B.S., M.SC., Physiology
MCMAHON, P. R., M.AGR.SC., PH.D., A.R.I.C., A.R.A.C.I., Wool Technology
MELLOR, D. P., D.SC., F.R.A.C.I., Inorganic Chemistry
MILNER, C. J., M.A., PH.D., F.INST.P., Applied Physics
MORGAN, J. P., F.S.A.S.M., A.S.T.C., M.AUS.I.M.M., M.I.E.AUST., Mining Engineering
MUIR, H., B.MET.E., SC.D., A.I.M., A.M.AUS.I.M.M., Physical Metallurgy
MUNRO, C. H., F.R.S.A., F.R.S.H., M.I.E.AUST., Civil Engineering
MYERS, R. H., M.SC., PH.D., F.I.M., F.R.A.C.I., M.AUS.I.M.M., Metallurgy
OLIVER, H. J., M.A., English
ORCHARD, D. F., PH.D., D.I.C., A.C.G.I., M.I.E.AUST., M.INST.T., A.M.I.C.E., A.M.I.STRUC.E., A.M.I.MUN.E., Highway Engineering
RALPH, B. J. F., PH.D., F.R.A.C.I., Biochemistry
ROBINSON, JUDITH O., M.A., D. de l'U., French
RUNDLE, F. F., M.D., B.S., B.SC., F.R.C.S., F.R.A.C.S., F.A.C.S., Surgery
SALMON, J. H. MCM., M.A., M.LITT., History
SALTON, M. R. J., PH.D., Microbiology
SHAW, F. S., D.ENG., Civil Engineering
SMYTH, E. B., A.S.T.C., F.A.S.A., F.C.A.A., A.C.I.S., Accountancy
SPEEDY, C. B., PH.D., Electrical Engineering
SZEKERES, G., DIP.CHEM.ENG., F.A.A., Pure Mathematics
THOMPSON, J. J., PH.D., Nuclear Engineering
THORNTON, J. B., B.A., B.SC., Philosophy
VOWELS, R. E., M.E., M.A.M.I.E.E., A.M.I.E.AUST., A.M.I.E.E., Electrical Engineering
WILHELM, D. L., M.D., B.S., PH.D., M.C.P.A., Pathology
WILLIS, A. H., PH.D., M.I.MECH.E., A.M.I.E. AUST., WH.SC., Mechanical Engineering
WILLS, N. R., M.SC., F.R.G.S., Business Administration

ASSOCIATE COLLEGES:

Newcastle University College: Newcastle, N.S.W.; f. 1951.

Warden: Prof. J. J. AUCHMUTY, M.A., PH.D. (DUB.), M.R.I.A., F.R.HIST.S., F.I.A.L.
Registrar: J. F. FOLEY, B.EC.
Librarian: E. FLOWERS, M.A.

Number of teachers: 111.
Number of students: 1,239.

Publications: Annual *Handbook*, and *Annual Report on Publications and Research Interests.*

HEADS OF DIVISIONS:

Applied Science: Prof. E. O. HALL, M.SC. (N.A.), PH.D. (CANTAB.), F.INST.P., M.A.I.M.M., F.I.M.
Arts: Assoc. Prof. B. NEWTON JOHN, M.A. (CANTAB.).
Commerce: Assoc. Prof. W. P. HOGAN, M.A. (N.Z.), PH.D. (A.N.U.).
Engineering: Assoc. Prof. E. M. GOODGER, M.SC.(ENG.), PH.D. (LOND.), A.M.I.MECH.E., A.F.R.AE.S. F.INST.PET.
Science: Prof. J. A. ALLEN, M.SC. (QLD.), PH.D. (BRISTOL), F.R.A.C.I.

Wollongong University College: Wollongong, N.S.W.; f. 1961.

Warden: Prof. C. A. M. GRAY, M.E., A.M.I.C.E., A.M.I.E.AUST.

Number of teachers: 25.
Number of students: 298.

UNIVERSITY OF QUEENSLAND

ST. LUCIA, BRISBANE

Telephone: Brisbane 70-2021.
Telegraphic Address: University, Brisbane.

Founded 1909.

Chancellor: Sir ALBERT AXON, K.B.E., M.E., D.ENG., D.SC., M.I.E.AUST.
Deputy Chancellor: Sir HERBERT WATKIN, DIP.ED., LL.D.
Vice-Chancellor: Emeritus Prof. Sir FRED SCHONELL, M.A., PH.D., D.LITT., LL.D., F.B.PS.S., F.A.C.E.
Registrar: CYRIL JOHN CONNELL, C.B.E., B.COM., F.A.S.A., F.C.A.A., A.A.U.Q., A.C.I.S.
Librarian: F. D. O. FIELDING, M.A., F.L.A.

Library: *see* Libraries.
Number of teachers: 766 full-time, including 62 professors.
Number of students: 13,539.

Publications: *University Calendar*, Faculty handbooks, *Matriculation Manual, Research Report, Statistics, The University and Its Courses, Occupational Surveys* (No. 1, Dentistry; No. 2, Veterinary Science), *University of Queensland Gazette, University of Queensland Papers, Australian Journal of Politics and History, University of Queensland Law Journal, The Slow Learning Child* (journal).

DEANS:

Faculty of Agriculture: E. J. BRITEN, M.SC., PH.D., F.A.A.A.S.
Faculty of Architecture: R. P. CUMMINGS, F.R.I.B.A., F.R.A.I.A., A.A.DIP., B.ARCH., M.A.P.I.
Faculty of Arts: K. LEOPOLD, M.A., PH.D.
Faculty of Commerce and Economics: J. K. GIFFORD, M.A.
Faculty of Dentistry: G. N. DAVIES, D.D.S.
Faculty of Education: G. W. BASSETT, M.A., DIP.ED., PH.D., F.A.C.E.
Faculty of Engineering: M. SHAW, M.E., M.MECH.E., M.I.MECH.E., M.I.E AUST.
Faculty of Law: E. I. SYKES, LL.D.
Faculty of Medicine: D. GORDON, M.B., B.S.
Faculty of Science: R. A. PLOWMAN, PH.D., D.SC., A.S.T.C., F.R.A.C.I.
Faculty of Veterinary Science: D. F. DOWLING, D.V.SC., PH.D.

PROFESSORS:

BASSETT, G. W., M.A., DIP.ED., PH.D., F.A.C.E., Education
BRITTEN, E. J., M.SC., PH.D., Agriculture
BUDTZ-OLSEN, O. E., M.D., General Physiology
BURNETT, W., M.B., CH.M., Surgery
CAWLEY, A. C., M.A., PH.D., English Language and Literature
CHRISTIE, G. S., M.D., B.S., F.R.A.C.S., M.C.P.A., M.R.A.C.P., Pathology
COOPER, C. G., M.A., Classics
CUMMINGS, R. P., F.R.I.B.A., F.R.A.I.A., A.A.DIP., B.ARCH., M.A.P.I., Architecture
DAVIES, G. N., D.D.S., Dentistry
DAVIS, C. S., D.F.C., M.SC., PH.D., Mathematics
DOWLING, D. F., PH.D., Animal Husbandry
FRANCIS, J., D.SC., F.R.C.V.S., Veterinary Preventive Medicine
GIFFORD, J. K., M.A., Economics
GORDON, D., M.B., B.S., Social and Preventive Medicine
GREENWOOD, G., M.A., PH.D., History
GREENWOOD, R. H., M.A., F.R.G.S., Geography
HARRISON, W. N. L., LL.M., Law
HAWKER, R. W., M.D., B.S., PH.D., M.R.A.C.P. Physiology
HERBERT, D. A., D.SC., Botany
HICKEY, M. F., M.A., M.B., B.S., Anatomy
HILL, DOROTHY, PH.D., D.SC., F.A.A., F.G.S., Geology Research
HINES, H. J., B.SC., Biochemistry
JONES, T. G. H., C.B.E., D.SC., LL.D., F.R.A.C.I., F.C.S., Chemistry
LAHEY, F. N., D.SC., F.R.A.C.I., Chemistry Research
LAVERY, J. H., B.SC., M.E., A.M.I.C.E., M.I.E.AUST., Civil Engineering
LEOPOLD, K., M.A., PH.D., German
LYONS, L. E., M.SC., PH.D., Physical Chemistry
MCELWAIN, D. W., M.A., PH.D., F.B.PS.S., Psychology
MACKAY, E. V., M.B., B.S., D.G.O., Obstetrics
MAHONEY, J. C., M.A., B.LITT., French
OLSEN, F. J., M.ED., PH.D., External Studies
PILLOW, A. F., PH.D., Applied Mathematics
PRENTICE, S. A., M.E.E., M.I.E.AUST., M.I.E.E., Electrical Engineering
PRESLEY, C. F., B.A., B.LITT., Philosophy
RENDLE-SHORT, T. J., M.A., M.D., B.CHIR., M.R.C.P., D.C.H., Child Health
SHAW, M., M.ENG., M.MECH.E., M.I.E.AUST., Mechanical Engineering
SHEDDON-ADAM, G. W., M.B., B.S., F.R.C.S., F.R.C.O.G., Obstetrics (Half-Time)
SKERMAN, V. B. D., D.SC., Q.D.A., Microbiology
SPRENT, J. F. A., D.SC., PH.D., F.R.C.V.S., Veterinary Parasitology
STEPHENSON, W., PH.D., Zoology
SYKES, E. I., LL.D., Public Law
THOMSON, A. K., M.A., English
TYRER, J. W. H., B.S., M.D., F.R.A.C.P., M.R.C.P., Medicine
WEBB, E. C., M.A., PH.D., Biochemistry
WEBSTER, H. C., C.M.G., D.SC., PH.D., F.INST.P., Physics
WHITE, F. T. M., B.MET.E., M.I.M.M., M.I.MIN.E., M.AUS.I.M.M., F.I.M., Mining and Metallurgical Engineering
WHITLOCK, F. A., M.D., B.CHIR., D.P.M., B.A., M.R.C.S., M.R.C.P., Psychological Medicine
WILSON, A. F., D.SC., F.G.A.A., M.AUS.I.M.M., F.G.S., Geology

AFFILIATED RESIDENTIAL COLLEGES:

Emmanual College.
St. John's College.
King's College.
The Women's College.
St. Leo's College.
Duchesne College.
Union College.
Cromwell College.
International House.

University College of Townsville

(*within the University of Queensland*)
P.O. Box 499, Fulham Road, Townsville, Queensland.
Telephone: Townsville 9-2193.

Warden: K. J. C. BACK, M.SC., PH.D.
Assistant Registrar: R. J. BARNETT, B.A., DIP.ED.

Number of teachers: 56 full-time, including 5 professors.
Number of students: 471.

The University College is ultimately intended to become an independent University; work on new buildings began in 1965. Teaching began in 1961. At present full degree courses are available in Arts, Science and Engineering (Civil); two years of degree courses in Education, Engineering (Electrical, Mechanical, Mining, Metallurgical); one year of degree courses in Agricultural Science, Applied Science, Science in Forestry, Veterinary Science, Dentistry, Commerce, Economics, Laws, Medicine and Surgery, Pharmacy.

UNIVERSITY OF SYDNEY

SYDNEY, N.S.W.
Telephone: 68-0522.
Telegraphic Address: Univsyd, Sydney.
Founded 1850.

Chancellor: Sir CHARLES McDONALD, C.B.E., K.C.S.G., M.B., CH.M., F.R.C.P., F.R.A.C.P.
Deputy Chancellor: Major-Gen. I. N. DOUGHERTY, C.B.E., D.S.O., E.D.
Vice-Chancellor and Principal: Prof. (Emeritus) Sir STEPHEN ROBERTS, C.M.G., M.A., LITT.D., D.SC.(ECON.), LL.D., D.C.L., D.LITT.
Deputy Vice-Chancellor: Prof. (Emeritus) W. M. O'NEIL, M.A., DIP.ED.
Assistant Principal: W. H. MAZE, M.SC.
Registrar: MARGARET A. TELFER, O.B.E., B.A., DIP.ED.

Library: *see under* Libraries.

Number of teachers: 970 (full-time), including 96 professors.
Number of students: 16,171.

Publications: Calendar, Gazette, Examination Papers, Handbooks of Faculties of Arts, Science, Dentistry, Agriculture, Medicine and Economics and of Department of Town and Country Planning, Prospectuses of Departments of Music, Social Work and Tutorial Classes and of School of Divinity, and Extension Board, *Research and Scholarship, Union Recorder, Current Affairs Bulletin, Oceania, Sydney Law Review, Nucleus, Bulletin of the Post-graduate Committee in Medicine, Australian Journal of Education, Publications of the School of Physics 1954–61, Australian Journal of Social Issues, Australasian Journal of Philosophy, Biblical and Semitic Booklist, The University of Sydney: a Description.*

DEANS:

Faculty of Agriculture: J. R. A. McMILLAN, M.S., D.SC.AGR.
Faculty of Architecture: D. WINSTON, A.M., F.R.I.B.A., M.T.P.I., F.I.L.A., F.A.P.I.
Faculty of Arts: R. B. FARREL, M.A., DR.PHIL.
Faculty of Dentistry: J. S. LYELL, M.D.S., F.A.C.D.
Faculty of Economics: S. J. BUTLIN, M.A., LITT.D.
Faculty of Engineering: P. T. FINK, F.R.AE.S., M.I.MECH.E., M.A.I.A.A.
Faculty of Law: K. O. SHATWELL, M.A.
Faculty of Medicine: F. R. MAGAREY, M.D., B.S., M.R.C.P., F.R.A.C.P., M.C.P.A.
Faculty of Science: T. G. ROOM, SC.D., F.R.S., F.A.A.
Faculty of Veterinary Science: R. V. S. BAIN, M SC., B.V.S.C.

PROFESSORS:

ALEXANDER, A. E., M.A., SC.D., PH.D., F.R.A.C.I., F.A.A., Physical Chemistry
ARMSTRONG, D. M., PH.D., Philosophy
BENJAFIELD, D. G., D.PHIL., Law
BENNETT, J. M., PH.D., Electronic Computing
BIRCH, L. C., D.SC., F.A.A., Biology
BIRD, G. A., PH.D., M.E., M.A.I.A., Aeronautical Engineering
BISHOP, P. O., M.B., Physiology
BLACK, R. H., M.D., DIP.ANTH., D.T.M. & H., M.R.A.C.P., Tropical Medicine
BLACKBURN, C. R. B., M.D., F.R.C.P., F.R.A.C.P., Medicine
BROWN, R. H., D.SC., D.I.C., F.R.S., F.R.A.S., Physics, Astronomy
BULLEN, K. E., M.A., SC.D., PH.D., F.R.S., HON. F.R.S.N.Z., F.A.A., Applied Mathematics
BUTLER, S. T., D.SC., PH.D., M.SC., Physics: Theoretical
BUTLIN, S. J., M.A., LITT.D., Economics
CAMBITOGLOU, A., D.PHIL., PH.D., M.A., Archæology
CARNE, H. R., D.V.SC., Veterinary Pathology and Bacteriology
CHAMBERS, R. J., A.A.S.A., A.C.I.S., A.C.A.A., Accounting
CHRISTIANSEN, W. M., D.SC., F.INST.P., M.I.E.E., M.I.E.AUST., F.A.A., Electrical Engineering
CLELAND, K. W., M.B., B.S., F.R.M.S., Histology and Embryology
COLLIS-GEORGE, N., PH.D., M.SC., Soil Science
CONNELL, W. F., PH.D., M.A., M.ED., Education
COWAN, H. J., D.ENG., PH.D., M.SC., A.M.I.STRUCT.E., F.A.S.C.E., M.I.E.AUST., Architectural Science
DAVIS, A. R., M.A., Oriental Studies
DE BURGH, P. M., M.B., B.S., Bacteriology
DUNSTON, A. J., M.A., Latin
DURY, G. H., M.A., PH.D., F.G.S., Geography
EDWARDS, H. R., D.PHIL., Economic Theory
EMMENS, C. W., D.SC., PH.D., F.S.S., F.I.BIOL., F.A.A., Veterinary Physiology
FARREL, R. B., M.A., DR.PHIL., German
FINK, P. T., F.R.AE.S., M.I.MECH.E., M.A.I.A.A., Mechanical Engineering
FORD, Sir EDWARD, O.B.E., M.D., B.S., D.P.H., D.T.M., F.Z.S., F.R.S.H., F.R.C.P., F.R.A.C.P., Preventive Medicine
GEDDES, W. R., M.A., PH.D., Social Anthropology
GOLDBERG, S. L., B.A., B.LITT., English Literature
GRAHAM, C. H., D.D.S., M.D.S., F.A.C.D., Prosthetic Dentistry
HENNING, I. A., D.U.P., French
HUNTER, T. G., D.SC., PH.D., M.I.CHEM.E., F.INST.PET., F.R.A.C.I., Chemical Engineering
JOSEPH, D., M.B., B.S., D.A., F.F.A.R.C.S., F.F.A.R.A.C.S., Anæsthetics
LANCASTER, H. O., PH.D., M.B., F.I.S.I., F.A.A., Mathematical Statistics
LE FEVRE, R. J. W., D.SC., PH.D., F.R.I.C., F.R.S., F.R.A.C.I., F.A.A., Chemistry
LOEWENTHAL, J., M.B., M.S., F.R.C.S., F.A.C.S., F.R.A.C.S., Surgery
LYELL, J. S., M.D.S., F.A.C.D., Operative Dentistry
McFARLANE, D., B.SC., M.R.C.V.S., Veterinary Medicine
MACINTOSH, N. W. G., M.B., B.S., DIP.ANTH., Anatomy
McCUSKER, C. B. A., D.SC., M.R.I.A., Physics: High Energy Nuclear
McMANNERS, J., M.A., DIP.THEOL., F.R.HIST.S., History
McMILLAN, J. R. A., M.S., D.SC.AGR., Agriculture
MADDISON, D. C., M.B., B.S., D.P.M., F.R.A.C.R., Psychiatry
MAGAREY, F. R., M.D., B.S., M.R.C.P., F.R.A.C.P., HON. F.R.A.C.S., M.C.P.A., Pathology
MARSHALL, C. E., D.SC., PH.D., F.G.S., M.I.MIN.E., Geology
MARTIN, N. D., M.D.S., F.A.C.D., F.I.C.D., Preventive Dentistry
MAY, F., B.A., Italian
MAYES, B. T., M.V.O., M.B., B.S., F.R.C.S.E., F.R.A.C.S., F.R.C.O.G., Obstetrics
MERCER, F. V., PH.D., Biology, Cell Physiology
MESSEL, H., PH.D., Physics
MORISON, W. L., D.PHIL., Law
O'NEIL, W. M., M.A., DIP.ED., Psychology
PARSONS, R. W., B.A., LL.B., Law
PEART, D. R., M.A., F.R.C.M., Music
ROBINSON, T. J., PH.D., M.SC. (AGRIC.) Animal Husbandry
RODERICK, J. W., M.A., PH.D., M.SC., F.A.A., M.I.STRUCT.E., M.I.C.E., M.A.S.C.E., A.F.R.AE.S., M.I.E.AUST., Civil Engineering
ROOM, T. G., SC.D., F.R.S., F.A.A., Pure Mathematics
RUSSELL, G. H., M.A., PH.D., Early English Literature and Language
RUTHERFORD, R. S. G., M.A., Economic Statistics
SHATWELL, K. O., M.A., Law
SHIPP, G. P., M.A., D.LITT., Greek
SHOPPEE, C. W., D.SC., PH.D., DR.PHIL., F.R.I.C., F.R.A.C.I., F.R.S., F.A.A., Organic Chemistry
SMITH-WHITE, S., D.SC.AGR., F.A.A., Biology, Genetics
SPANN, R. N., M.A., Government and Public Administration
STAPLETON, T., M.A., D.M., D.C.H., M.R.C.P., Child Health

STILL, J. L., PH.D., Biochemistry
STONE, J., D.C.L., LL.M., S.J.D., International Law and Jurisprudence
STOUT, A. K., M.A., Philosophy
TAYLOR, M. G., M.D., B.S., PH.D., Physiology
THORP, R. H., PH.D., Pharmacology
TURNER, J. F., PH.D., M.SC., Agricultural Chemistry
WARD, J. M., M.A., LL.B., History
WATSON, I. A., PH.D., Agricultural Botany, Plant Breeding
WATSON-MUNRO, C. N., O.B.E., M.SC., A.M.I.E.E., F.INST.P., Physics: Plasma
WILKES, G. A., D.PHIL., M.A., DIP.ED., Australian Literature
WINSTON, D., A.M., F.R.I.B.A., M.T.P.I., F.I.L.A., F.A.P.I., Town and Country Planning
WRIGHT, S. E., PH.D., D.SC., DIP.PHARM., A.R.I.C., Pharmaceutical Chemistry
(Vacant, Animal Biology, Dairying, Oral Surgery)

Research Professor:
CAMPBELL, K. O., A.M., PH.D., M.P.A., B.SC.AGR., Agricultural Economics

UNIVERSITY OF TASMANIA
HOBART

Telephone: Hobart 2-7741.
Telegraphic Address: University, Hobart.
Founded 1890.

Chancellor: H. B. SOMERSET, C.B.E., M.SC.
Vice-Chancellor: KEITH SYDNEY ISLES, B.COM., M.A., M.SC.
Registrar: (Vacant).
Librarian: GEORGE JENKS (acting).

Number of teachers: 117, including 24 professors.

Number of students: 1,850.

Publications: *Calendar* (annual), *Matriculation Manual* (annual), *Law Review* (annually), *Research Report* (annually), *Gazette* (quarterly), *Australian Literary Studies* (twice yearly).

DEANS:

Faculty of Agricultural Science: G. C. WADE, M.AGR.SC., D.SC.
Faculty of Arts: I. H. SMITH, B.A., D.U.P.
Faculty of Commerce: G. G. FIRTH, B.SC.(ECON.).
Faculty of Education: C. D. HARDIE, M.A., F.I.A.L.
Faculty of Engineering: A. R. OLIVER, M.E., F.S.A.S.M., M.I.E.AUST.
Faculty of Law: N. C. H. DUNBAR, LL.M., J.S.D.
Faculty of Medicine: C. H. BARNETT, M.A., M.B., B.CHIR., F.R.C.S.
Faculty of Science: H. BLOOM, D.SC., D.I.C., F.N.Z.I.C., F.R.A.C.I.

PROFESSORS:

Faculty of Agricultural Science:
WADE, G. C., M.AGR.SC., D.SC.

Faculty of Arts:
ELLIOTT, J., M.A., DIP.CLASS.ARCH., Classics
MCAULEY, J., M.A., English
RIMMER, W. G., M.A., A.M., History
SMITH, I. H., B.A., D.U.P., Modern Languages
TOWNSLEY, W. A., M.A., DIP.ED., Political Science
(Vacant, Philosophy)

Faculty of Education:
HARDIE, C., M.A., F.I.A.L., Education

Faculty of Law:
DUNBAR, N. C. H., LL.M., J.S.D., Law

Faculty of Medicine:
BARNETT, C. H., M.A., M.B., B.CHIR., F.R.C.S.
COBBOLD, A. F., PH.D.

Faculty of Science:
BLOOM, H., D.SC., D.I.C., F.N.Z.I.C., F.R.A.C.I., Chemistry
CAREY, S. W., D.SC., M.AUST.I.M.M., M.A.A.P.G., Geology
ELLIOTT, D., M.SC., M.S.E., PH.D., Applied Mathematics
ELLIS, G. R. A., PH.D., Physics
GODDARD, L. S., PH.D., Mathematics
SCOTT, L., M.SC.(ECON.), PH.D., Geography
WARDROP, A. B., PH.D., D.SC., Botany
(Vacant, Zoology)

Faculty of Engineering:
NEWSTEAD, G. H., M.E.E., A.M.I.E.AUST., Electrical Engineering
OLIVER, A. R., M.E., F.S.A.S.M., A.M.I.E. AUST., Civil Engineering

Faculty of Commerce:
FIRTH, G. G., B.SC.(ECON.), Economics
GRANT, J. McB., M.EC., DIP.EC., A.A.S.A., Applied Economics

UNIVERSITY OF WESTERN AUSTRALIA
PERTH

Telephone: 86.2481.
Founded 1911.

Visitor: His Excellency the Governor, Major-Gen. Sir DOUGLAS KENDREW, K.C.M.G., C.B., C.B.E., D.S.O.
Chancellor: Sir ALEXANDER J. REID, C.M.G., I.S.O., J.P., B.A., F.A.S.A., HON. LL.D.
Pro-Chancellor: THOMAS L. ROBERTSON, M.A., DIP.ED., PH.D., F.A.C.E.
Vice-Chancellor: Sir STANLEY L. PRESCOTT, O.B.E., M.SC.
Deputy Vice-Chancellor: C. J. BIRKETT CLEWS, PH.D., F.INST.P., F.A.I.P.
Registrar: ARTHUR J. WILLIAMS, B.A., DIP.ED.
Librarian: L. JOLLEY, M.A., F.L.A.

Number of teachers: 297.

Number of students: 4,580.

Publications: *Calendar, Faculty Handbooks, Gazette.*

DEANS:

Faculty of Arts: Prof. S. A. GRAVE.
Faculty of Law: Prof. D. J. PAYNE.
Faculty of Education: Prof. C. SANDERS.
Faculty of Economics and Commerce: Prof. C. I. SAVAGE.
Faculty of Science: Dr. E. P. HODGKIN.
Faculty of Engineering: Prof. D. J. ALLEN-WILLIAMS.
Faculty of Agriculture: Prof. E. J. UNDERWOOD.
Faculty of Dental Science: Prof. K. J. G. SUTHERLAND.
Faculty of Medicine: Prof. R. E. J. TEN SELDAM.

PROFESSORS:

ALEXANDER, F., M.A., History
ALLEN-WILLIAMS, D. J. F., M.A., PH.D., Mechanical Engineering
AUSTIN, M. N., M.A., B.D., Classics, Ancient History
BAYLISS, N. S., C.B.E., PH.D., Physical Chemistry
BERNDT, R. M., M.A., DIP.ANTH., PH.D., Anthropology
BILLINGS, A. R., PH.D., Electrical Engineering
BLAKERS, A. L., M.A., PH.D., Mathematics
BOWEN, I., M.A., Economics
BOYLE, A. J. F., PH.D., Physics
BRAYBROOKE, E. K., LL.M., Jurisprudence
BUCKINGHAM, M. J., M.SC., PH.D., Theoretical Physics
CALLAWAY, F., MUS.B., Music
COOPER, K. L., M.A., B.SC., Civil Engineering
EDWARDS, W. A., M.A., English
GRAVE, S. A., M.A., PH.D., Philosophy
GRIEVE, B. J., M.SC., PH.D., D.I.C., F.L.S., Botany
KING, G., O.B.E., F.R.C.S., F.R.C.O.G., Obstetrics and Gynæcology
LAWLER, J. R., M.A., D. de l'U., French
LEVEY, H. C., M.A., PH.D., Applied Mathematics
LEWIS, C. W. D., M.B., M.S., F.R.C.S., Surgery
LOCKETT, M. F., M.D., M.R.C.P., Pharmacology
LUGG, J. W. H., D.SC., D.I.C., PH.D., Biochemistry
MACDONALD, W. B., M.D., M.R.A.C.P., Child Health
MAHONEY, J. J., PH.D., Mathematics
PAYNE, D. J., LL.B., M.A., Law
PRIDER, R. T., PH.D., Geology
QUIRK, J. P., PH.D., Soil Science
SAINT, E. G., M.D., M.R.A.C.P., Medicine
SANDERS, C., PH.D., M.A., DIP.ED., F.B.PS.S., Education
SAVAGE, C. I., M.COM., Commerce
SIMMONDS, W. J., B.SC., M.B., B.S., D.PHIL., Physiology
SINCLAIR, D., M.A., M.D., Anatomy
STANLEY, N. F., D.SC., Microbiology
STEPHENSON, G., M.C.P., B.ARCH., F.R.A.I.A., F.R.I.B.A., M.T.P.I., Consultant Architect
SUTHERLAND, K. J. G., B.D.SC., M.B., B.S., Dental Science
TEN SELDAM, R. E. J., M.D., Pathology
UNDERWOOD, E. J., PH.D., Agriculture
WALKER, K. F., M.A., PH.D., Psychology
WARING, H., M.SC., D.SC., Zoology
WEBB, M. J., M.S., F.R.G.S., Geography

INSTITUTES OF TECHNOLOGY

Royal Melbourne Institute of Technology: Melbourne, Victoria.

Principal: G. D. THOMPSON, A.M.I.E., M.I.MAR.E., F.A.I.M. (acting).

Number of teachers (full-time): 392.

Number of students: 1,830 full-time, 8,021 part-time.

Gordon Institute of Technology: Geelong, Victoria.

Principal: H. E. NICOL, B.A., DIP.ED., M.A.C.E.

Number of students: 659 full-time, 420 part-time.

South Australian Institute of Technology: Adelaide, South Australia; f. 1889.

Director: S. L. EVANS, B.SC., PH.D., F.INST.P.

Number of staff: 550.

Number of students: 13,000.

Ballarat School of Mines: Ballarat, Victoria.

Principal: H. E. ARBLASTER, M.MET.E., F.I.M., M.A.C.E.

Number of teachers (full-time): 56.
Number of students: 659 full-time, 420 part-time.

Australian School of Nuclear Energy: Lucas Heights, via Sutherland, N.S.W.; f. 1964; a co-operative enterprise of the University of New South Wales and the Australian Atomic Energy Commission; courses in Nuclear reactor technology, Siting and hazards evaluation of nuclear plants, Radiological health and safety, Production and uses of radioisotopes; Chair. Prof. R. H. MYERS, M.SC., PH.D., F.I.M., F.R.A.I.C., M.AUS.I.M.M.

Australian Administrative Staff College: Kunyung Road, Mt. Eliza, Victoria; f. 1955; conducts three ten-week advanced courses for executives; Principal M. BROWN, LL.B.; Registrar J. T. MIDDLETON; 40 students per course.

SCHOOLS OF ART AND MUSIC

ART

National Gallery of Art, School of Art: Melbourne, Victoria.

National Art School: East Sydney Technical College, Sydney, N.S.W.; Head of School H. ABBOTT (acting).

School of Art: Royal Melbourne Institute of Technology, 124 Latrobe Street, Melbourne, C.1; 39 full-time teachers; Head of School of Art (Vacant).

MUSIC

Elder Conservatorium of Music: University of Adelaide, Adelaide; Dir. (Vacant).

N.S.W. State Conservatorium of Music: Sydney, N.S.W.

University Conservatorium of Music: University of Melbourne, Parkville, N.2, Victoria; Prof. G. F. LOUGHLIN, M.A., D.MUS. (DUNELM), F.R.C.M., F.R.C.O.

There are Schools of Music in the other State capitals.

NOTE: *This information arrived too late to be placed in the University section.*

UNIVERSITY OF ADELAIDE AT BEDFORD PARK

BURBANK, SOUTH AUSTRALIA

Telephone: 760511.

Founded 1961; opening 1966; governed by the Council of the University of Adelaide; otherwise independent.

Chancellor: The Hon. Sir GEORGE LIGERTWOOD, B.A., LL.B.

Deputy Chancellor: Sir KENNETH WILLS, K.B.E., M.C., E.D.

Principal: P. H. KARMEL, PH.D.

Secretary: H. J. BUCHAN, B.SC.

Librarian: N. STOCKDALE, B.A.

Number of teachers: 55 full-time, including 15 professors.
Number of students (1966): 500.

CHAIRMEN OF SCHOOLS:

Language and Literature: R. W. V. ELLIOTT, M.A.

Social Sciences: O. O. G. M. MACDONAGH, M.A., PH.D.

Physical Sciences: M. H. BRENNAN, PH.D.

Biological Sciences: A. M. CLARK, M.SC., PH.D.

PROFESSORS:

ABRAHAMSON, B., M.SC., S.M., PH.D., Mathematics
ANDERSON, J. R., PH.D., Chemistry
ATKINSON, M. R., PH.D., Biology
BRENNAN, M. H., PH.D., Physics
BROWN, R. G., DIP. SOC. STUD., M.S.S., PH.D., Social Administration
CLARK, A. M., M.SC., PH.D., Biology
CLARK-LEWIS, J. W., B.PHARM., PH.D., D.SC., F.R.I.C., F.R.A.C.I., Chemistry
ELLIOTT, R. W. V., M.A., English
GARRAD, K., M.A., PH.D., Spanish
HANCOCK, K. J., PH.D., Economics
HOPE, A. B., PH.D., Biology
LAURIE, I. S., M.A., PH.D., French
MCCASKILL, M., M.A., PH.D., Geography
MACDONAGH, O. O. G. M., M.A., PH.D., History
PATEMAN, J. A. J., M.A., PH.D., Biology

AUSTRIA

Population 7,073,807

ACADEMY

Österreichische Akademie der Wissenschaften (*Austrian Academy of Science*): Vienna I, Ignaz Seipelplatz 2; f. 1847; 295 mems.; publs. *Almanach, Anzeiger math.-nat. Klasse, Anzeiger phil.-hist. Klasse, Sitzungsberichte math.-nat. Klasse Abt. I, II, Sitzungsberichte phil.-hist. Klasse, Denkschriften der Gesamtakademie, Denkschriften math.-nat. Klasse, Denkschriften phil.-hist. Klasse, Monatshefte für Chemie*; various committee reports.

President: Prof. Dr. ERICH SCHMID.
Vice-President: Prof. Dr. ALBIN LESKY.
General Secretary: Prof. Dr. HERBERT HUNGER.
Secretary: Prof. Dr. RICHARD BIEBL.
Library: *see under* Libraries.

Honorary Members:

GMEINER, HERMANN.
HAHN, OTTO.
MARX, JOSEPH.
MELL, MAX.

Section for Mathematics and Natural Sciences:

ANTOINE, TASSILO.
BIEBL, RICHARD.
BREITINGER, EMIL.
BRÜCKE, FRANZ THEODOR.
CHIARI, HERMANN.
DEFANT, ALBERT.
FRÖHLICH, OTTO.
FUNK, PAUL.
HAYEK, ERICH.
HAYEK, HEINRICH.
HEINRICH, GERHARD.
HLAWKA, EDMUMD.
HÖFLER, KARL.
HOPMANN, J.
KINZL, HANS.
KLEBELSBERG-THUMBURG, RAIMUND.
KNOLL, FRITZ.
KRAMES, JOSEPH.
KRATKY, OTTO.
KRUPPA, ERWIN.
KÜHN, OTHMAR.
KÜHNELT, WILHELM.
LEDERSTEGER, KARL.
LIST, HANS.
MACHATSCHKI, FELIX.
MAYRHOFER, KARL.
NOWOTNY, HANS.
ORTNER, JULIUS.
PARKUS, HEINZ.
PILLAT, ARNOLD.
PRZIBRAM, KARL.
REGLER, FRITZ.
SANDER, BRUNO.
SCHEMINZKY, FERDINAND.
SCHMID, ERICH.
SPREITZER, HANS.
STEINBÖCK, OTTO.
STEINHAUSER, FERDINAND.
STETTER, GEORG.
VIETORIS, LEOPOLD.
WESSELY, FRITZ.

Section for Philosophy and Historical Sciences:

ANTONIOLLI, WALTER.
APPELT, HEINRICH.
BOBEK, HANS.
DEMELIUS, HEINRICH.
DEMUS, OTTO.
EGGER, RUDOLF.
EICHLER, FRITZ.
ENZINGER, MORITZ.
FICHTENAU, HEINRICH.
FRAUWALLNER, ERICH.
GERSTINGER, HANS.
GOSSEN, K. T.
GSCHNITZER, H.
HANSLIK, RUDOLF.
HANTSCH, HUGO.
HEINE-GELDERN, ROBERT.
HÖFLER, OTTO.
HUNGER, HERBERT.
KAINZ, FRIEDRICH.
KEIL, JOSEF.
KINDERMANN, HEINZ.
KOZIOL, HERBERT.
KRAFT, VIKTOR.
KRAUS, WALTER.
KUHN, ALWIN.
LENTZE, HANS.
LESKY, ALBIN.
LHOTSKY, ALPHONS.
MAHR, ALEXANDER.
OBERPARLEITER, KARL.
PITTIONI, RICHARD.
RINTELEN, MAX.
RITTLER, THEODOR.
ROHRACHER, HUBERT.
SANTIFALLER, LEO.
SCHACHERMEYR, FRITZ.
SCHENK, ERICH.
SCHIMA, JOHANN.
SCHMID, HEINRICH FELIX.
SCHÖNBAUER, ERNST.
VERDROSS, ALFRED.
WEIDNER, ERNST.
WILBURG, WALTER.
WILD, FRIEDRICH.
ZIBERMAYR, IGNAZ.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

ARCHITECTURE

Österreichischer Ingenieur- und Architektenverein (*Asscn. of Austrian Engineers and Architects*): Vienna I, Eschenbachgasse 9; f. 1848; Pres. Prof. Dr. OSKAR VAS, DIPL.ING.-DR.TECHN.; Gen. Sec. FRIEDRICH SMOLA, DIPL.ING.; publs. *Österreichische Ingenieur-Zeitschrift* (fortnightly).

Zentralvereinigung der Architekten Österreichs (*Central Asscn. of Austrian Architects*): Vienna I, Salvatorgasse 10; f. 1907; *ca.* 1,000 mems.; Pres. Prof. EUGEN WÖRLE; Sec. JUTTA HUBALEK.

THE ARTS

Bundesdenkmalamt: Vienna I, Hofburg; f. 1854; government institute for the protection and restoration of historical, artistic and cultural monuments; has control of excavations and art export; Pres. Prof. Dr. WALTER FRODL; publs. include periodicals and year-book.

Gesellschaft bildender Künstler Wiens (*Asscn. of Viennese Artists*): Künstlerhaus, Vienna I, Karlsplatz 5; f. 1861; 220 mems.; Pres. Prof. ALFONS RIEDEL; Gen. Sec. WOLFGANG GRUEDL.

Gesellschaft für Vergleichende Kunstforschung (*Society of Comparative Art Research*): Vienna II, Castelezgasse 17; f. 1932; 900 mems.; Chair. Dr. JOSEF ZYKAN; publs. *Kunstwissenschaftliche Jahresgabe, Mitteilungen.*

Wiener Secession (*Vienna Secessionist Group*): Vienna I, Friedrichstrasse 12; f. 1897; 150 mems.; Pres. WALTER ECKERT.

EDUCATION

Notring der Wissenschaftlichen Verbände Österreichs (*Circle of Austrian Scientific Organisations*): Judenplatz 11, Vienna I; to expand the development of scientific activity; publs. *Österreichische Hochschulzeitung* (bi-monthly), *Jahrbuch des Notringes.*

Österreichische Hochschülerschaft: Führrichgasse 10, Vienna I.

Rektorenkonferenz (*Conference of Rectors*): Secretariat: Universität Wien, Dr. Karl Lueger-Ring 1, Vienna I;

to consider at regular intervals problems of higher education; Pres. Rector of the University of Vienna.

Verband der Akademikerinnen Österreichs (*Association of Austrian Women Graduates*): Reitsschulgasse 2, Vienna I; Pres. Dr. ANNA FLEISCH-RAINERT.

GEOGRAPHY, MINERALOGY, GEOLOGY

Geologische Bundesanstalt (*Geological Survey of Austria*): Vienna III, Rasumofskygasse 23; f. 1849; Dir. Dr. HEINRUCH KÜPPER; library.

Österreichische Geographische Gesellschaft (*Geographical Society*): Vienna I, Judenplatz 11; f. 1856; 950 mems.; Pres. Prof. Dr. H. SPREITZER; Sec. Dr. S. MATZNETTER; library; publs. *Mitteilungen* (three times yearly), *Abhandlungen*.

Österreichische Mineralogische Gesellschaft (*Austrian Mineralogical Asscn.*): Vienna I, Burgring 7, Museum of Natural History; f. 1901; Pres. Prof. Dr. ERICH SCHROLL; Sec. Dr. Dipl. Ing. PAUL WIEDEN.

HISTORY

"Eranos Vindobonensis": Vienna I, Universität, Inst. f. Alte Gesch., Arch. u. Epigr.; f. 1885; 100 mems.; Chair. Dr. ROBERT GÖBL; Sec. Dr. ROMAN STIGLITZ.

Geschichtsverein für Kärnten (*Historical Asscn. of Carinthia*): Klagenfurt, Museumgasse 2; f. 1844; 1,360 mems.; Dir. Ob. Reg. Rat HERMANN BRAUMÜLLER; Sec. Aulic Council Prof. Dr. GOTBERT MORO; publs. *Carinthia* (annually), *Archiv für vaterländ. Geschichte und Topographie, Kärntner heimatkundliche Schriftenreihe, Kärntner Heimatatlas*.

Gesellschaft für die Geschichte des Protestantismus in Österreich (*Asscn. for History of Protestantism in Austria*): Vienna I, Liebiggasse 5; f. 1879; 287 mems.; Chair. Prof. Dr. Dr. WILHELM KÜHNERT; publ. *Jahrbuch*.

Heraldisch-Genealogische Gesellschaft "Adler" (*Heraldic and Genealogical Asscn.*): Vienna I, Haarhof 4A; f. 1870; 520 mems.; library of 35,000 vols.; Pres. Dr. Count FERDINAND WILCZEK; Sec.-Gen. Dr. HANNS JÄGER-SUNSTENAU; publs. *Jahrbuch, Wappenkalender, Zeitschrift*.

Historische Landeskommission für Steiermark: Graz, Hamerlinggasse 3; f. 1893; 24 mems.; Sec. Dr. OTHMAR PICKL; publs. *Forschungen zur Verfassungs- und Verwaltungsgeschichte der Steiermark, Veröffentlichungen der Historischen Landeskommission, Quellen zur Verfassungs- und Verwaltungsgeschichte*.

Historischer Verein für Steiermark (*Styrian Historical Society*): Graz, Hamerlinggasse 3; f. 1850; 1,070 mems.; Chair. Dr. FERDINAND TREMEL; Sec. JOSEF KRASSLER; publs. *Zeitschrift des Historischen Vereins, Beiträge zur Erforschung Steirischer Geschichtsquellen, Blätter für Heimatkunde*.

Kommission für neuere Geschichte Österreichs (*Commission for modern Austrian history*): Historisches Institut, Universität, Vienna I; Chair. Prof. HUGO HANTSCH, PH.DR.

Österreichische Numismatische Gesellschaft (*Austrian Numismatic Society*): Vienna I, Burgring 5; f. 1870; Pres. Dr. HERBERT WENZEL; publs. *Numismatische Zeitschrift, Mitteilungen der Österreichischen Numismatischen Gesellschaft*.

Verein für Geschichte der Stadt Wien (*Asscn. for the History of the City of Vienna*): Vienna I, Archiv der Stadt Wien Rathaus; f. 1853; 500 mems.; Chair. Dr. ERWIN M. AUER; Sec. Dr. FELIX CZEIKE; publs. *Wiener Geschichtsblätter, Jahrbuch des Vereins für Geschichte der Stadt Wien, Geschichte der Stadt Wien* (*Neue Reihe*).

Verein für Volkskunde (*Ethnographical Asscn.*): Vienna VIII, Laudongasse 15/19; f. 1894; 400 mems.; Pres. Prof. Dr. LEOPOLD SCHMIDT; Sec. Dr. KLAUS BEITL; publ. *Österreichische Zeitschrift für Volkskunde*; also special publications (one vol. since 1955).

INTERNATIONAL CULTURAL INSTITUTES

Amerika-Haus Wien: Vienna I, Opernring 1, Opernringhof; address at Linz: Goethestrasse 22.

British Council, The: Freyung I, Vienna I; f. 1946; library of 35,000 vols.; Rep. A. C. HAWKINS.

Institut Français: Lobkowitzplatz 2, Vienna; Dir. P. MOISY; Innsbruck: Karl Kapferetstrasse 3; Dir. F. LEGER.

Istituto Italiano di Cultura: Ungargasse, 43, Vienna III; Dir. Prof. ANGELO FILIPUZZI; Innsbruck: Maria Theresienstrasse 53/1; Dir. Prof. ALDO LUCCIARINI.

LAW, ECONOMICS

Nationalökonomische Gesellschaft (Gesellschaft Österreichischer Volkswirte): Vienna I, Universität; f. 1929; *circa* 50 mems.; Pres. Prof. Dr. ALEXANDER MAHR.

Wiener Juristische Gesellschaft (*Vienna Legal Asscn.*): Vienna I, Stephansplatz 8A; f. 1867; *circa* 600 mems.; Pres. Dr. WILHELM KAAN; Hon. Sec. Dr. FRANZ SCHNEIDER.

LITERATURE, BIBLIOGRAPHY, PHILOLOGY

Arbeitsgemeinschaft der Altphilologen Österreichs (*Austrian Philology Asscn.*): Vienna II, Zirkusgasse 46; f. 1921; Chair. Dr. FRANZ STAUDINGER; Sec. Dr. RUDOLF SCHEER.

Österreichische Exlibris-Gesellschaft (*Austrian Bookplate-collectors' Society*): Vienna IX, Türkenstrasse 17/4; f. 1903; 500 mems.; Chair. Dipl. Ing. HUGO BALZAR; publs. *Jahrbuch, Mitteilungen*, books on the art of the bookplate and bookplate-collecting.

Presseclub Concordia (*Association of Austrian Writers and Journalists*): Vienna I, Bankgasse 8; f. 1859; Pres. Dr. RUDOLF KALMAR.

Wiener Sprachgesellschaft (*Vienna Language Asscn.*): Vienna I, Universität, Inst. f. Allgemeine Sprachwissenschaft; f. 1947; 165 mems.; Pres. Prof. Dr. R. HANSLIK; Sec. Dr. J. SOFER; publ. *Die Sprache* (annual).

MATHEMATICS, METEOROLOGY

Österreichische Mathematische Gesellschaft (*Austrian Mathematical Society*): Vienna IV, Karlsplatz 13; f. 1904; Sec. Prof. Dr. E. HLAWKA; publ. *International Mathematical News* (three times yearly).

Österreichische Gesellschaft für Meteorologie (*Austrian Meteorological Assoc.*): Vienna XIX, Hohe Warte 38; f. 1865; Pres. Prof. Dr. Ing. B. RAMSAUER; Sec. Dr. W. FRIEDRICH; publ. *Wetter und Leben* (monthly).

MEDICINE, PSYCHIATRY, VETERINARY SCIENCE

Ärztegesellschaft Innsbruck (*Medical Asscn. of Innsbruck*): Innsbruck, Medizinische Fakultät der Universität; f. 1894; 300 mems.; library of 5,600 vols.; Pres. Prof. Dr. H. BRAUNSTEINER; Sec. Dr. H. HUBER; publs. *Wiener Klinische Wochenschrift, Münchener Medizinische Wochenschrift*.

Gesellschaft der Ärzte (*Asscn. of Medical Practitioners*): Vienna IX, Frankgasse 8; f. 1837; 940 mems.; 70,700 vols. in library; Pres. Prof. W. DENK; Vice-Pres. Prof. H. CHIARI; Secs. Prof. O. NOVOTNY, Prof. R. OPPOLZER; publ. *Wiener Klinische Wochenschrift*.

Gesellschaft der Chirurgen in Wien (*Society of Surgeons*): Vienna IX, Allgemeines Krankenhaus, Alserstrasse 4; f. 1935; 130 mems.

Gesellschaft der Tierärzte Österreichischs (*Austrian Society of Veterinary Surgeons*): Vienna III, Linke Bahngasse 11; f. 1919; Pres. Prof. Dr. JOSEF MÜSSILL; Vice-Pres. Prof. Dr. JOSEF SCHREIBER; publ. *Wiener Tierärztliche Monatsschrift* (monthly).

Österreichische Gesellschaft für Kinderheilkunde (*Austrian Society for Pediatrics*): Vienna IX, Lazarettgasse 14; 286 mems.; Pres. Dr. ERNST LORENZ; Sec. Dr. WALTER SWOBODA; publ. *Neue Österreichische Zeitschrift für Kinderheilkunde*.

Österreichische Dermatologische Gesellschaft (*Dermatological Asscn.*): Vienna IX, Alserstrasse 4, Allgemeines Krankenhaus; Pres. Prof. Dr. A. Musger; Hon. Pres. Prof. Dr. G. Riehl; Sec. Dr. H. Kresbach.

Österreichische Gesellschaft für Elektroencephalographie (*Austrian EEG-Society*): 14 Lazarettgasse, Vienna IX, Universitätsnervenklinik; f. 1953; Pres. Prof. Dr. Hans Hoff; Sec. Doz. Dr. Kurt Pateisky; publ. *Wiener Zeitschrift für Nervenheilkunde*.

Wiener Verein für Psychiatrie und Neurologie (*Vienna Society for Psychiatry and Neurology*): Vienna IX, Lazarettgasse 14, Universitätsnervenklinik; f. 1868; Pres. Prof. Dr. Hans Hoff; Sec. Doz. Dr. Hellmut Tschabitscher; publ. *Wiener Zeitschrift für Nervenheilkunde*.

Wiener Psychoanalytische Vereinigung (*Vienna Psychoanalytical Society*): Vienna I, Rathausstrasse 20; f. 1908, closed during the war, re-opened 1946; 23 mems.; Pres. Doz. Dr. W. Solms; Sec. Doz. Dr. L. Bolterauer.

Music

Gesellschaft der Musikfreunde (*Asscn. of Music Lovers*): Vienna I, Bösendorferstrasse 12; f. 1812; 5,000 mems.; choir of 400 mems.; 12,860 vols. in library and 53,260 scores; collection of music, MSS., instruments, etc., f. 1815; Pres. Dr. Alexander Hryntschak; Gen. Sec. Prof. Rudolf Gamsjäger.

Wiener Konzerthausgesellschaft: Vienna III, Lothringerstrasse 20; f. 1913; 2,500 mems.; Pres. Ing. Dr. h.c. Manfred Mautner-Markhof; Gen. Sec. Dr. Egon Seefehlner.

Wiener Männergesangverein (*Vienna Male Choral Society*): Vienna I, Bösendorferstrasse 12; f. 1843; 415 mems.; Dirs. Rudolf Saar, Dr. Heinrich Ehrenberger, Eduard Schlossko; Conductors Norbert Balatsch, Prof. Karl Etti; Sec. Dipl. Ing. Karl Kretschek; publ. *Mitteilungen* (irregular).

Wiener Philharmoniker, Die (*Vienna Philharmonic Society*): Vienna I, Bösendorferstrasse 12; f. 1842; 120 mems.; Pres. Dipl. Ing. Prof. Otto Strasser, Sec. Prof. Helmut Wobisch.

Science

Anthropologische Gesellschaft in Wien (*Vienna Anthropological Society*): Vienna I, Burgring 7; Natural History Museum; f. 1870; Pres. Univ.-Prof. Dr. Walter Hirschberg; Sec. Dr. Johann Jungwirth; publs. *Mitteilungen, Anthropologische Forschungen, Ethnologische Forschungen, Prähistorische Forschungen*.

Botanisches Institut und Botanischer Garten der Universität Wien (*Botanical Institute and Garden, Vienna University*): Vienna III, Rennweg 14; f. 1754 (Botanischer Garten) and 1844 (Botanisches Institut); Dir. Prof. Dr. Lothar Geitler.

Institute of Nuclear Research: Schüttelstrasse 115, Vienna; f. 1961; there is a 100-kW. reactor of the TRIGA-Mark II type (Training, Research, Isotope, General Atomic) for the use of the Austrian universities, and a Van de Graaff machine for 2 MV.

Naturwissenschaftlicher Verein für Kärnten: Klagenfurt, Museumgasse 2; f. 1848; 1,000 mems.; Pres. Dr. Franz Kahler; Dir. of Publs. Prof. Dr. F. Turnowsky; publs. *Carinthia II* (mit Sonderheften), *Der Karinthin* (Mineralogy, Geology), *Nachrichtenblatt* (Entomology).

Oberösterreichischer Musealverein (*Museums Asscn. of Upper Austria*): Linz, Museumstrasse 14; f. 1833; 1,096 mems.; Chair. Dr. Eduard Strassmayr; publ. *Jahrbuch*.

Österreichische Gesellschaft für Photogrammetrie (*Austrian Photogrammetrical Asscn.*): Vienna VIII, Friedrich Schmidtplatz 3; f. 1907; 137 mems.; Chair. Prof. Dr. Franz Ackerl; publ. *Österr. Zeitschrift für Vermessungswesen*.

Österreichische Studiengesellschaft für Atomenergie Ges. m.b.H.—SGAE (*Austrian Company for Atomic Energy Studies*): Vienna VIII, Lenaugasse 10; f. 1956; the SGAE is a limited company of which the capital is shared by the Austrian Government (51 per cent), State industries (26 per cent) and private enterprises (23 per cent), includes the Seibersdorf Reactor Centre, the 5 MW Pool Tank Type Reactor "Astra", and the Institutes of Physics, Electronics, Chemistry, Metallurgy, Health and Biology, 300 employees; Technical Dir. Dr. Michael J. Higatsberger; Admin. Dir. Dr. Raphael Spann; publs. B-Reports in series SGAE 57, SGAE 58, etc.

Zoologisch-Botanische Gesellschaft in Wien (*Zoological-Botanical Asscn.*): Vienna I, Burgring 7, Naturhistorisches Museum; f. 1851; sections for botany, zoology, entomology, ornithology and development of biological instruction; 467 mems.; library of 10,000 vols.; Pres. Prof. Dr. Karl Höfler; Gen. Sec. Prof. Dr. Engelbert Bancher; publ. *Verhandlungen, Abhandlungen, Koleopterologische Rundschau*.

LIBRARIES

Vienna

Administrative Bibliothek im Bundeskanzleramt (*Administrative Library of the Chancellery*): Vienna I, Herrengasse 23; f. 1849; 340,000 vols. on jurisprudence, politics, economics, statutes, etc.; Dir. Hofrat Dr. Maria Matt.

Bibliothek der Akademie der Bildenden Künste (*Library of the Academy of Fine Arts*): Vienna I, Schillerplatz 3; f. 1773; 49,661 vols. on art and history of art; Dir. Dr. Fritz Julius Miller; publs. *Neuerwerbungen* (twice a year), and catalogues of exhibitions.

Bibliothek der Akademie der Wissenschaften (*Library of the Academy of Science*): Vienna I, Ignaz Seipelplatz 2; f. 1847; 100,000 vols.; Dir. Dr. Wilfrid Oberhummer.

Bibliothek der Akademie für Musik und darstellende Kunst in Wien (*Library of the Academy for Music and Fine Arts*): Vienna III, Lothringerstr. 18; f. 1909; 56,000 vols., 920 gramophone records; Bruno Walter Archive; Dir. Oberstaatsbibliothekar (Chief State Librarian) Dr. Alois Strassl.

Bibliothek des Österreichischen Geographischen Gesellschaft (*Library of the Austrian Geographical Society*): Vienna I, Judenplatz 11; 21,000 vols.; Librarian Dr. Erich Woldan.

Bibliothek der Geologischen Bundesanstalt (*Library of the Geological Survey of Austria*): Vienna III, Rasumofskygasse 23; f. 1849; 149,000 vols.; Librarian Susanne Nöbauer; publs. *Verhandlungen* (three times yearly), *Jahrbuch* (bi-annual), *Abhandlungen* (occasional), geological maps.

Bibliothek der Hochschule für Bodenkultur (*Library of the State University of Agriculture and Forestry*): Vienna XIX, Peter-Jordan-Str. 82; f. 1872; 120,000 vols.; Librarian Dr. Willibald Ogiello.

Bibliothek der Hochschule für Welthandel (*Library of the College of Commerce*): Vienna XIX, Franz Klein Gasse 1; f. 1898; 142,000 vols.; Dir. Dr. Ernst Franz Bösel.

Bibliothek der Technischen Hochschule (*Library of the University of Technology*): Vienna IV, Karlsplatz 13; f. 1815; 290,000 vols.; Dir. Dr. Walter Ritzer.

Bibliothek der Tierärztlichen Hochschule (*Library of the Veterinary College*): Vienna III, Linke Bahngasse 11; f. 1767; 44,000 vols.; Dir. Dr. Walter Girolla.

Bibliothek des Bundesministeriums für Finanzen (*Library of the Ministry of Financial Administration*): Vienna I, Himmelpfortgasse 4; f. 1810; 167,000 vols.; Librarian Dr. Walther Buchowiecki.

Bibliothek des Bundesministeriums für Handel u. Wiederaufbau (*Library of the Ministry of Trade and Reconstruction*): Vienna I, Stubenring 1; f. 1850; 106,866 vols.; Dir. Dr. BRUNO ZIMMEL.

Bibliothek des Bundesministeriums für Land- u. Forstwirtschaft (*Library of the Ministry of Agriculture and Forestry*): Vienna I, Stubenring 1; f. 1868; 61,187 vols.; Librarian FRANZ HAUDEK.

Bibliothek des Bundesministeriums für soziale Verwaltung (*Library of the Ministry for Social Affairs*): Vienna I, Stubenring 1; f. 1917; 105,000 vols.; Dir. Dr. OSKAR LANGER.

Bibliothek des Bundesministeriums für Unterricht (*Library of the Ministry of Education*): Vienna I, Minoritenplatz 5; f. 1849; 209,537 vols.; library of the Austrian education administration and collection on the history of Austrian Science and pedagogy since 1848; collection of all state approved school books since 1848 and of annual secondary school programmes, with relevant documentation; Dir. Aulic Counc. Dr. O. F. GUGLIA.

Bibliothek des Instituts für Österreichische Geschichtsforschung (*Library of the Institute of Austrian Historical Research*): Vienna I, Dr. Karl Lueger Ring I; f. 1854; 35,000 vols.; Librarian Dr. HERBERT PAULHART; publ. *Verzeichnis der Zeitschriften des Instituts.*

Bibliothek des Kriegsarchivs Wien (*Library of the War Archives Dept. of the Austrian State Archives*): Vienna VII, Stiftgasse 2; f. 1801; 389,000 vols.; Librarian Dr. EDITH WOHLGEMUTH.

Bibliothek des Nationalrates (*Library of Parliament*): Vienna I, Dr. Karl Renner Ring 3; f. 1861; 163,608 vols.; Dir. Dr. MICHAEL STICKLER.

Bibliothek des Österreichischen Museums für angewandte Kunst (*Library of the Austrian Museum of Applied Art*): Vienna I, Stubenring 5; f. 1864; 90,000 vols., 32,000 engravings, 11,000 drawings, 30,000 photographs, etc.; Librarian Dr. A. BARTSCH.

Bibliothek des Österreichischen Statistischen Zentralamtes (*Library of the Austrian Central Office of Statistics*): Vienna I, Neue Burg, Heldenplatz; about 92,600 vols.; Librarian Dr. JOHANN NOWAK.

Bibliothek für Rechtswissenschaft (*Legal Studies' Library*): Vienna I, Universität, Dr. Karl Lueger Ring 1; f. 1922; 100,000 vols.; Dir. Prof. Dr. HANS SCHIMA; Librarian MARIANNE METZ.

Bücherei des Österreichischen Patentamtes (*Library of the Austrian Patents Office*): Vienna I, Kohlmarkt 8-10; f. 1899; 164,000 vols.; Dir. Hofrat Dr. HANS JANCIK; publs. *Österreichisches Patentblatt, Österreichischer Markenanzeiger, Patentschriften.*

Niederösterreichische Landesbibliothek (*Lower Austrian Provincial Library*): Vienna I, Herrengasse 13; f. 1813; 79,828 vols.; Dir. Dr. JOSEF KÖNIG.

Österreichische Nationalbibliothek (*Austrian National Library*): Vienna I, Josefsplatz; f. 1526; 1,792,000 vols.; Gen. Dir. DDr. JOSEF STUMMVOLL; the library consists of seven collections:

- *Printed Books Collection:* includes 1,792,000 vols., 6,031 periodicals, etc.
- *Manuscript Collection:* includes 36,045 MSS., 7,836 incunabula, 106,587 autographs, etc.
- *Music Collection:* includes 32,862 music MSS., 72,268 vols. of printed music, etc.
- *Map Collection:* includes 151,921 maps, 122,006 geographical-topographical pictures, 107 globes, etc.
- *Papyri Collection:* includes approx. 100,000 papyri, etc.
- *Portrait Collection and Picture Archive:* includes approx. 437,000 portraits (drawings and photographs), 389,750 photographic negatives, etc.
- *Theatre Collection:* includes 125,600 drama texts; autographs, pictures, stage models, cinema collection.

Pädagogische Zentralbücherei der Stadt Wien (*Pedagogical Library of the Viennese Municipality*): Vienna VII, Burggasse 14-16; f. 1924; 143,000 vols.; Librarian Dr. GRETE HIESSMANSEDER.

Sammlungen der Gesellschaft der Musikfreunde in Wien (*Library of the Society of Friends of Music in Vienna*): Vienna I, Bösendorferstrasse 12; f. 1812; 13,050 vols.; 55,600 scores; Dir. Dr. HEDWIG MITRINGER.

Städtische Büchereien der Gemeinde Wien (*Municipal Libraries of Vienna*): Vienna VIII, Schmidgasse 18; 45 brs.; 1 central library, 1 travelling library; Dir. Dr. RUDOLF MÜLLER.

Universitätsbibliothek in Wien (*Library of Vienna University*): Vienna I, Dr. Karl Lueger Ring 1; f. 1365, restored 1777; 1,500,000 vols.; Dir. Hofrat Dr. RUDOLF DETTELMAIER; publs. *Verzeichnis der Neuerwerbungen, Inkunabel-Katalog.*

Wiener Stadtbibliothek (*Vienna City Library*): Vienna I, Rathaus; f. 1856; 256,000 vols., 146,000 MSS., 58,000 musical items, 12,000 MSS. musical items; Dir. Dr. ALBERT MITRINGER.

Zentralbibliothek des Physikalischen Instituts der Universität Wien (*Central Library of the Physics Institute of Vienna University*): Vienna IX, Boltzmanngasse 5; f. 1946; 50,000 vols., 1,273 current periodicals, 65,000 atomic energy reports, 100,000 reprints; Dir. ROBERT CHORHERR.

Provinces

Bibliothek der Montanistischen Hochschule (*Library of the Mining and Metallurgical High School*): Leoben, Franz-Josef-Strasse 18; f. 1840; 63,875 vols.; Librarian PETER SIKA.

Bibliothek der Technischen Hochschule (*Library of the Technical College*): Graz, Rechbauerstrasse 12; 84,500 vols.; Dir. Dr. ALFRED SCHMIDT.

Bibliothek des Oberösterreichischen Landesmuseums (*Library of the Upper Austrian Provincial Museums*): Linz/Donau, Museumstrasse 14; f. 1836; 60,000 vols.; Librarian Dr. ALFRED MARKS.

Bundesstaatliche Studien-Bibliothek (*Federal Public Library*): Klagenfurt, Kaufmanngasse 11; f. 1775; 156,800 vols.; Dir. Dr. KARL SCHMID.

Bundesstaatliche Studien-Bibliothek (*Federal Public Library*): Linz, Schillerplatz 2; f. 1774; 151,000 vols., Dir. Dr. KURT VANCSA.

Steiermärkische Landesbibliothek am Joanneum (*Styrian Provincial Library*): Graz, Kalchberggasse 2; f. 1811; 480,000 vols.; Dir. Dr. BERTHOLD SUTTER.

Universitätsbibliothek Graz (*University Library, Graz*): Graz. Universitätsplatz 3; f. 1586; 560,000 vols.; Dir. Dr. ERHARD GLAS.

Universitätsbibliothek Innsbruck (*University Library, Innsbruck*): f. 1746; 620,000 vols.; Dir. Hofrat Dr. JOSEF HOFINGER.

Universitätsbibliothek Salzburg (*Salzburg University Library*): Salzburg, Universitätsplatz 1; f. 1623; 250,000 vols.; Dir. Dr. KARL FORSTNER.

MUSEUMS AND ART GALLERIES

Vienna

Bundesmobilienverwaltung: Pres. Dr. HERBERT BUCHSBAUM.

1. **Bundessammlung alter Stilmöbel:** Vienna VII Mariahilferstrasse 88; f. 1780; a collection illustrating different periods of Austrian furniture.
2. **Schausammlung der ehem. Hoftafel-und Silberkammer:** Vienna I, Hofburg; a collection of tableware and silver formerly belonging to the Imperial household.

Erzbischöfliches Dom- und Diözesanmuseum (*Archi-episcopal Cathedral and Diocesan Museum*): Vienna I, Rotenturmstr. 2; f. 1933; ecclesiastical art; Dir. Prof. Dr. RUDOLF BACHLEITNER; Curator DDr. JAKOB WEINBACHER.

Galerie Graf Czernin (*Count Czernin Art Gallery*): Vienna VIII, Friedrich Schmidt Platz 4; f. 1800; paintings; Dir. Count EUGEN CZERNIN; Curator Dr. KARL TRAUTT-MANSDORFF.

Gemäldesammlung der Akademie der Bildenden Künste (*Museum of Academy of Fine Arts*): Vienna I, Schillerplatz 3; f. 1820; paintings, sculpture; Dir. Dr. MARGARETHE POCH-KALOUS.

Graf Harrach'sche Gemäldegalerie (*Count Harrach Art Gallery*): Vienna I, Freyung 3; paintings of Spanish and Neapolitan baroque period.

Graphische Sammlung Albertina (*Albertina Graphic Art Collection*): Vienna I, Augustinerstrasse 1; f. 1776; 35,000 drawings; sketch-books and miniatures; over one million prints; collection of posters; 10,000 vols. in reference library; Dir. Dr. WALTER KOSCHATZKY.

Heeresgeschichtliches Museum (*Military History Museum*): Vienna III, Arsenal; designed by Theophil Hansen and Ludwig Förster and built 1850/56; opened 1891; exhibits dating from Thirty Years War to First World War—objects include swords, Turkish weapons, artillery armour, uniforms, flags, paintings and sketches; library of about 30,000 vols.

Historisches Museum der Stadt Wien (*Historic Museum of the City of Vienna*): Vienna IV, Karlsplatz; f. 1887; local relics of prehistoric, Roman and mediaeval times; ceramics, plastics, tombstones; topographic and cultural history of Vienna from 1500 to 1930; glass-paintings, paintings by Viennese artists and portraits of Viennese personalities; Dir. Dr. FRANZ GLÜCK.

Associated Museums include:

Beethoven-Gedenkstätte: Vienna I, Mölkerbastei 8 (Pasqualatisches Haus); Beethoven relics housed in one of his lodgings.

Haydn Museum: Vienna 6, Haydngasse 19; f. 1899; portraits, MSS. and other relics in the house where Haydn lived and died.

Modesammlungen der Stadt Wien in Hetzendorf: Vienna XII, Schloss Hetzendorf, Hetzendorferstrasse 79; collection of historic costumes and library on the history of Viennese costumes.

Mozart-Erinnerungsraum: Vienna I, Domgasse 5; Mozart's home from 1784-87.

Römische Baureste: Vienna I, Am Hof 9.

Römische Ruinen unter dem Hohen Markt: Vienna I, Hoher Markt 3.

Schubert-Museum: Vienna IX, Nussdorferstrasse 54; f. 1908; Schubert's birthplace; portraits, MSS. and other relics.

Schubert-Sterbezimmer: Vienna IV, Kettenbrückengasse 6.

Stiftermuseum: Vienna I, Mölkerbastei 8 (Pasqualatisches Haus); contains a large part of the paintings of the writer Adalbert Stifter.

Uhrenmuseum der Stadt Wien (*Vienna Clock Museum*): Vienna I, Schulhof 2; f. 1917; includes historic wheelclocks, and a specialist library.

Josefinum: Vienna IX, Währinger Strasse 25; f. by the Emperor Joseph II in 1785 as a college for military surgeons; contains University Institutes for Pharmacognosy and the History of Medicine; library of about 60,000 historical medical books and an 18th century wax anatomical collection.

Kunsthistorisches Museum (*Museum of Fine Arts*): Vienna I, Burgring 5; f. 1891 from Hapsburg Imperial collections; Chief Dir. and Dir. of Picture Gallery Prof. Dr. VINZENZ OBERHAMMER; Curator of Egyptian collection Dr. EGON KOMORZYNSKI; Dir. of Antiquities Prof. Dr. RUDOLF NOLL; Dir. of Numismatics Prof. Dr. EDUARD HOLZMAIR; Curator of Plastics and Handicrafts Prof. Dr. HERMANN FILLITZ; Dir. of Armour Dr. BRUNO THOMAS; Curator of Musical Instruments Dr. VICTOR LUITHLEN; Dir. of State Carriages and Historical Costumes Dr. ERWIN M. AUER; Dir. of the Educational Dept. Dr. ANNE SPITZMÜLLER.

Associated institutes include:

Weltliche Schatzkammer: Vienna I, Hofburg, Schweizerhof, Sälenstiege; the insignia and personal relics of the Hapsburg dynasty; Curator Prof. Dr. H. FILLITZ.

Geistliche Schatzkammer: Vienna I, Hofburg, Schweizerhof, Säulenstiege; ecclesiastical collection of the Hapsburgs; church furniture, relics, vestments, etc., from 11th to 20th century, mainly Baroque; Curator Prof. Dr. H. FILLITZ.

Kupferstichkabinett der Akademie der Bildenden Künste (*Graphic Art Collection of the Academy of Fine Arts*): Vienna I, Schillerplatz 3; f. 1773; 28,162 drawings, 24,287 prints, 20,444 photographs; library (*see above*); Dir. Dr. FRITZ JULIUS MILLER.

Museum des 20. Jahrhunderts (*Museum of the 20th Century*): Schweizergarten, Vienna III; f. 1962; works by Munch, Bonnard, Nolde, Kandinsky, Klee, Beckmann, Ernst, Kokoschka, Léger, Matisse, Moore, Laurens, Wotruba, etc.; Dir. WERNER HOFMANN.

Museum für Volkerkunde (*Ethnographical Museum*): Vienna I, Neue Hofburg; f. 1876, reorganised 1926; library of about 70,000 vols.; Dir. Kustos Dr. V. BECKER-DONNER; publ. *Archiv für Völkerkunde* (annual), *Veröffentlichungen zum Archiv für Völkerkunde.*

Naturhistorisches Museum (*Natural History Museum*): Vienna I, Burgring 7; f. 1748 by Emperor FRANZ I, present building opened 1889; mineralogical collection, geology, palæontology, zoology, botany, anthropology, prehistory; First Dir. Prof. Dr. KARL RECHINGER.

Niederösterreichisches Landes-Museum (*Provincial Museum of Lower Austria*): Vienna I, Herrengasse 9; f. 1902; Natural History section containing fossils, birds, insects, etc., curator Prof. Dr. LOTHAR MACHURA; Historical section of pre-history and Roman Art; Pottery and domestic utensils from medieval times, curator Dr. FRANZ HAMPL; Art and folklore section, curator Dr. RUPERT FEUCHTMÜLLER; Dir. Hofrat Dr. GUSTAV HERMANN; library of 3,000 vols.; publ. *Kulturberichte aus Niederösterreich.*

Österreichische Galerie (*Austrian Gallery*): Oberes and Unteres Belvedere, Vienna III, Prinz Eugenstrasse 27; Dir. Prof. FRITZ NOVOTNY; Keepers: Dr. HUBERT ADOLPH, Dr. HANS AURENHAMMER, Dr. KLAUS DEMUS, Dr. ZDRAWKA EBENSTEIN; publ. *Mitteilungen der Österreichischen Galerie* (f. 1957); the Gallery has the following three sections:

Museum mittelalterlicher Österreichischer Kunst: Orangerie des Belvedere, Vienna III, Rennweg 6A; f. 1953; collection of Austrian medieval paintings and sculptures, especially 14th to 16th century.

Österreichisches Barockmuseum: Unteres Belvedere, Vienna III, Rennweg 6A; f. 1923, re-org. 1953; Austrian Baroque art (paintings and sculptures).

Österreichische Galerie des XIX. und XX. Jahrhunderts: Oberes Belvedere, Vienna III, Prinz Eugenstrasse 27; f. 1924 and 1929; collection of 19th and 20th century Austrian paintings and sculptures.

Österreichisches Gesellschafts- und Wirtschafts Museum: Vienna 5, Vogelsanggasse 36; f. 1925, reopened after the war 1948; collection of archives, maps, photographs, etc.; Dir. FRANZ RAUSCHER.

Österreichisches Museum für Angewandte Kunst (*Austrian Museum of Applied Art*): Vienna I, Stubenring 5; f. 1864; Dir. Dr. VIKTOR GRIESSMAIER; Assts. Dr. G. EGGER, Dr. W. MRAZEK, Dr. W. HEIN, Dr. DORA HEINZ, Dr. F. WINDISCH-GRAETZ, Dr. AUG. BARTSCH.

Österreichisches Museum für Volkskunde (*Austrian Museum of Folklore*): Vienna VIII, Laudongasse 15/19; f. 1895; Dir. Prof. Dr. LEOPOLD SCHMIDT; publ. *Veröffentlichungen des Österr. Museums für Volkskunde.*

Schönbrunn Palace and Park: Vienna XII; former Imperial summer residence built between 1695 and 1700, and altered between 1743 and 1749; contains magnificent panelled rooms and galleries, furniture, and tapestries; baroque and botanical gardens; Europe's oldest Zoological garden built in 1752, with original baroque centre.

Technisches Museum für Industrie und Gewerbe (*Trade and Industrial Museum of Technology*): Vienna, Mariahilferstr. 212; f. 1816, new building opened 1918; has 30 depts. covering all branches of technical science and technology; library of 33,483 vols.; Dir. Dr. JOSEF NAGLER; Librarian Dr. KÄTHE SUK; publ. *Blätter für Technikgeschichte* (annual).

Provinces

Botanischer Garten: Klagenfurt, Kinkstrasse; special collection of Alpine plants.

Burgenländisches Landesmuseum: Eisenstadt, Museumgasse 5; f. 1927; geology, prehistory, archæology, botany, zoology, ethnology; Dir. Dr. A. J. OHRENBERGER.

Haus der Natur (*Natural History Museum*): Salzburg, Museumplatz 5; f. 1924; 80 sections (zoology, botany, anthropology, hygiene, geology, palæontology, biology); Dir. Prof. Dr. EDUARD PAUL TRATZ.

Krahuletz Museum: Eggenburg; collection started in 1866; museum erected in 1902; 24 sections; geology, palæontology, prehistory, ethnology; Pres. Prof. F. FISCHER; Dir. F. SCHÄFFER.

Kunsthistorische Sammlungen: Innsbruck, Schloss Ambras; f. 1580; contains collections of armour, furniture, pictures and sculpture; Curator Dr. LILLY SAUTER.

Landesmuseum für Kärnten (*Provincial Museum of Carinthia*): Klagenfurt, Museumgasse 2; divided into: (1) History, f. 1844, Gen. Curator Aulic Counc. Prof. Dr. G. MORO; (2) Pre-historic, Roman and Early Christian antiquities, Curator Ing. H. DOLENZ; (3) History of Arts, Curator Dr. R. MILESI; (4) Numismatics, Curator Dr. L. SPRINGSCHITZ; (5) Natural History, f. 1847, Curators E. HÖLZEL, Dr. F. KAHLER; (6) Folk Arts and Crafts, f. 1925, Curators Dr. F. KOSCHIER, Dr. O. MOSER; Prehistoric, Roman and Early Christian antiquities; peasant living rooms, costumes; furniture and domestic art of Carinthia; special Alpine museum of models, panoramas and maps; Dir. of Provincial Museums, Aulic Counc. Dr. G. MORO; library 44,300 vols.; Librarian F. ZOPP; publs. *Carinthia I* (history and folklore), *Carinthia II* (science), *Archiv für Vaterländische Geschichte und Topographie, Kärntner Museumsschriften, Buchreihe des Landesmuseums für Kärntnen, Kärntner Heimatleben, Paracelsas-Schriftenreihe der Stadt Villach.*

Mozart Museum: Salzburg, Getreidegasse 9; birthplace of Wolfgang Amadeus Mozart; converted in 1880 into a museum containing souvenirs of the composer.

Mozarteum: Salzburg, Schwarzstrasse; f. 1914 by the international "Stiftung Mozarteum" and comprising an academy of music (*see* page 97), concert rooms, a library of MSS., books and other memorials of Mozart.

Museum Carnuntinum: Bad Deutsch Altenburg; f. 1904; Curator Dr. EDUARD VORBECK; publs. *Römische Forschungen in Niederösterreich* (irregular), *Jahrbuch des Museums Carnuntinum* (annually).

Neue Galerie der Stadt Linz Wolfgang Gurlitt Museum: Linz, Hausplatz 8; f. 1947; contains paintings and drawings, 19th and 20th centuries; Dir. WALTER KASTEN.

Oberösterreichisches Landesmuseum (*Regional Museum for Upper Austria*): Linz, Museumstrasse 14 and Tummelplatz 10 (Linzer Schloss); f. 1833; Dir. Dr. WILHELM FREH.

Salzburger Museum Carolino-Augusteum: Salzburg, Rainbergstrasse 1; f. 1834; Roman remains, prehistoric exhibits, art, coins, musical instruments; library and archives; Dir. K. WILLVONSEDER; publ. *Jahresschrift* (from 1955).

Salzburger Residenz-Galerie: Salzburg, Residenzplatz 1; f. 1923; contains European paintings, 16th–20th centuries; Dir. Dr. FRANZ NAROBE.

Schloss Hellbrunn: Salzburg; built 1613–15 and f. as museum by the municipality 1918; contains murals, furniture, folklore and period dwellings, German Baroque garden with mechanical water devices, deer park and open-air theatre.

Steiermärkisches Landesmuseum Joanneum (*Provincial Museum of Styria*): Graz, Raubergasse 10; f. 1811; a State museum; Pres. Dr. FRANZ GRAF MERAN; Sec. Dr. WALTER MODRIJAN; the Museum controls the following institutions:

- **Alte Galerie:** Graz, Neutorgasse 45; painting and sculpture of the Gothic Renaissance and the Baroque period up to 1800; also drawings and engravings of 15th-18th centuries; Dir. Dr. KURT WOISETSCHLÄGER.
- **Grazer Stadtmuseum:** Graz-Eggenberg, Schloss; Dir. Dr. MARIA SCHAFFLER.
- **Jagdmuseum:** Graz-Eggenberg, Schloss; history of hunting in Austria; Dir. PHILIPP MERAN.
- **Kulturhistorisches und Kunstgewerbemuseum** (*Historical and Industrial Art Museum of Styria*): Graz, Neues Museumsgebäude, Neutorgasse 45; f. 1890; furniture, old carriages, period living-rooms; gold, silver and ironwork, ceramics and applied art, pictures and engravings; Dir. Dr. GERTRUDE SMOLA.
- **Landeszeughaus** (*Arsenal of Styria*): Graz, Herrengasse 16; built 1642; collection of weapons, armour, cannon and firearms of the 16th and 17th centuries; Dir. Dr. KURT WOISETSCHLÄGER.
- **Museum für Bergbau, Geologie und Technik:** Graz, Raubergasse 10; geological collection on history of mining in Styria; Dir. Dr. KARL MURBAN.
- **Museum für Mineralogie:** Graz, Raubergasse 10; Dir. Dr. Dipl. Ing. EGON KRAJICEK.
- **Museum für Tier-und Pflanzenkunde:** Graz, Raubergasse 10; Dir. Dr. KARL MECENOVIC.
- **Museum für Vor- und Frühgeschichte, Münzensammlung:** Graz, Raubergasse 10; Dir. Dr. WALTER MODRIJAN.
- **Neue Galerie:** Graz, Sackstrasse 16; painting, drawing and sculpture of 19th and 20th centuries; Dir. Dr. GERTRUDE ALDRIAN.
- **Schloss-Museum Eggenberg:** Graz, Eggenberger Allee 90; built in 1625; Dir. Dr. GERTRUDE SMOLA.

Steirisches Volkskundemuseum: Graz, Paulustorgasse 13; peasant houses and costume, development of agricultural implements, etc.; Dir. Dr. SEPP WALTER.

Tiroler Landes-Museum Ferdinandeum (*Tyrolean Provincial Museum*): Innsbruck; f. 1823; art, coins, medals, natural history, etc.; Pres. Dr. ERNST DURIG; Director Dr. ERICH EGG.

Tiroler Volkskunstmuseum (*Tyrolean Popular Art Museum*): Innsbruck, Universitätsstrasse 2; f. 1888 and 1929; peasant living-rooms, costumes and domestic utensils; Pres. Dr. HANS GAMPER; Dir. Dr. FRANZ COLLESELLI.

Vorarlberger Landesmuseum: Bregenz, Kornmarkt; f. 1857; collections showing the archaeology, art and folklore of the region; Dir. Dr. ELMAR VONBANK; publ. *Jahrbuch des Vorarlberger Landesmuseumsvereins*.

UNIVERSITIES

KARL-FRANZENS-UNIVERSITÄT GRAZ

(Graz University)

GRAZ, UNIVERSITÄTSPLATZ 3

Telephone: 31-5-81.

Founded 1586.

Rector: DDr. A. TAUTACHER.

Pro-Rector: Dr. H. WIESFLECKER.

Library: *see under* Libraries.

Number of teachers: 350, including 51 professors.

Number of students: 3,445 men, 1,527 women, total 4,972.

DEANS:

Faculty of Theology: DDr. J. FISCHL.

Faculty of Law and Politics: Dr. G. WESENER.

Faculty of Medicine: Dr. J. MÖSE.

Faculty of Philosophy and Natural Sciences: Dr. E. ZIEGLER.

PROFESSORS:

Faculty of Theology:

AMON, K., Ecclesiastical History
ASVELD, P., Fundamental Theology and Philosophy
BRUCH, R., Moral Theology
FISCHL, J., Christian Philosophy and Apologetics
GRUBER, WINFRIED, Dogmatics
SAVER, F., Old Testament and Oriental Languages
ZEHRER, F., New Testament

Faculty of Law and Politics:

BALTL, H., History of German and Austrian Law
DOBRETSBERGER, J., National Economy
FISCHER, H., History of German Law
HÄMMERLE, H., Commercial Law
LECHNER, K., Industrial Economics
MOKRE, J., Philosophy of Law
NUSSBAUMER, A., Political Economy
ROEDER, H., Penal Law
STEININGER, V., Civil Law
*TAUTSCHER, A., Economics and Finance
WESENER, G., Roman Law
WILBURG, W., Civil and International Private Law

Faculty of Medicine:

BURKL, W., Histology and Embryology
GOTSCH, K., Internal Medicine
HÄUSLER, H., Pharmacology
LEIPERT, T., Medical Chemistry
LORENZ, E., Pediatrics
MARESCH, W., Forensic Medicine
MESSERKLINGER, W., Oto-Rhino-Laryngology
*MÖSE, J., Hygiene
MUSGER, A., Venereal and Skin Diseases
NAVRATIL, E., Midwifery and Gynæcology
RATZENHOFER, M., Pathological Anatomy
RIGLER, R., Physiology
SPATH, F., Surgery
THIEL, W., Anatomy
TRAUNER, R., Dental Medicine

Faculty of Philosophy and Natural Sciences:

BRANDENSTEIN, W., General and Comparative Philology
EDER, A., Pedagogics
FISCHER, R., Pharmacognosy
FRANZ, G., History of Art
HÄRTEL, O., Plant Anatomy and Physiology
HAUSMANN, F., History
HERITSCH, H., Mineralogy and Petrography
IVANKA, E., Byzantine Studies
KANTZ, G., Mathematics
KOREN, H., Folklore
KRACHER, A., German Philology
*KRATKY, O., Physical Chemistry
MATL, J., Slavonic Philology
METZ, K., Geology and Palæontology
MÜHLHER, R., German Philology
NOVOTNY, A., History
PALGEN, R., Romance Philology
PACSHINGER, H., Geography
RADAKOVIC, K., Philosophy and Sociology
REISINGER, E., Zoology
SILVA-TAROUCA, A., Philosophy
STANZL, F., English Philology
STOESSL, F., Classical Philology
URBAN, P., Theoretical Physics
VRETSKA, K., Classical Philology
WAGNER, J., Experimental Physics
WIEDNER, E., Orientalism
WEINHANDL, F., Psychology and Pedagogy
WIESFLECKER, H., History
ZIEGLER, E., Organic and Pharmaceutical Chemistry
ZINKE, A., Organic and Pharmaceutical Chemistry

* Professors lecturing also at the Technische Hochschule in Graz (*q.v.*).

LEOPOLD-FRANZENS UNIVERSITÄT INNSBRUCK

(Innsbruck University)

INNSBRUCK, INNRAIN 52

Telephone: 26741.

Founded 1669.

Rector Magnificus: Prof. Dr. F. LAKNER, S.J.

Pro-Rector: Prof. Dr. L. HÖRBST.

Chief Administrative Officer: Dr. KARL ASCHABER.

Librarian: Dr. JOSEF HOFINGER.

Number of professors: 75.

Number of students: 4,000.

Publications: *Nachrichtenblatt der Universität Innsbruck, Vorlesungsverzeichnis.*

DEANS:

Faculty of Theology: Prof. Dr. J. SINT, S.J.

Faculty of Law and Political Science: Prof. Dr. A. HERDLITCZKA.

Faculty of Medicine: Prof. Dr. H. KONZETT.

Faculty of Philosophy and Natural Sciences: Prof. Dr. H. SCHATZ.

PROFESSORS:

Faculty of Theology:

CORETH, E., Christian Philosophy
CROCE, W., Pastoral Theology
GUTWENGER, E., Fundamental Theology
HEINZEL, G., Church Law
LAKNER, F., Dogmatics
MAASS, F., Church History
RAHNER, K., Dogmatics

Faculty of Law and Political Science:

ANDREAE, C.-A., Political Economy
BRATSCHITSCH, R., Industrial Economics
CONDANARI, S., Commercial Law and Law of Exchange
ERMACORA, F., Public Law
GRASS, N., German Law
GSCHNITZER, F., Private and Commercial Law
HERDLITCZKA, A., Roman Law
KIPP, H., Common Law and Philosophy of Law
KOLB, E., Public Law and Administrative Law
MERZBACHER, F., Canon Law and German Civil Law
NOVAK, F., Austrian Civil Court Procedure
NOWAKOWSKI, F., Austrian Penal Law
ULMER, F., Political Economy and Statistics

Faculty of Medicine:

HEINZ, K., Ophthalmology
HOLZER, F. J., Forensic Medicine
HORBST, L., Oto-Rhino-Laryngology
HUBER, P., Surgery
KONRAD, J., Dermatology and Syphilology
KONZETT, H., Pharmacology and Toxicology
LANG, F. J., General and Pathological Anatomy
RUCKENSTEINER, E., Medical Röentgenology
SAUSER, G., Anatomy, Histology and Embryology
SCHEMINZKY, F., Physiology
SCHINZEL, A., Hygiene
STÖHR, R., Medical Chemistry

TAPFER, S., Gynæcology and Obstretrics
WENSE, T., General and Experimental Pathology
WUNDERER, H., Dentistry

Faculty of Philosophy and Natural Sciences:
BRETSCHIENDER, H., Pharmaceutical Chemistry and Organic Chemistry
BREZINKA, W., Pedagogy
CAP, F., Theoretical Physics
CREMER, E., Physical Chemistry
FRANZ, L., Pre-History
FUCHS, J., Astronomy
GAMS, H., Systematic Botany
GRÖBNER, W., Mathematics
HAMPL, F., Ancient History
HAYEK, E., Inorganic and Analytical Chemistry
HEISSEL, W., Geology and Palæontology
HOINKES, H., Meteorology and Geophysics
HUTER, F., Austrian History and General History of Industry
ILG, K., Folklore
JANETSCHEK, H., Zoology
KINZL, H., Geography
KOHLER, I., Psychology
KOLB, J., Experimental Physics
KRAMER, H., Modern History
KUHN, A., Romance Philology
KÜHNELT, H. H., English Language and Literature
LADURNER, J., Mineralogy and Petrography
LUTTEROTTI, O., History of Art
MUTH, R., Classical Philology and Archæology
PISEK, A., Botany
PIVEC, K., Medieval History, Historical Auxiliary Science
SCHATZ, H., Mathematics
STEINMAURER, R., Experimental Physics
THURNHER, E., Modern German Language and Literature
WINDISCHER, H., History of Philosophy and Systematic Philosophy
WOTSCHITZKY, A., Classical Archæology

UNIVERSITÄT SALZBURG
(Salzburg University)

SALZBURG, RESIDENZPLATZ

Telephone: 83 4 33.

Founded 1620.

Reopened 1963.

Rector: Prof. Dr. E. LENDL.
Pro-Rector: Prof. Dr. C. HOLBÖCK.

Library: *see under* Libraries.
Number of teachers: 100.
Number of students: 520.

DEANS:

Faculty of Catholic Theology: Prof. Dr. F. HOLBÖCK.
Faculty of Philosophy: Prof. Dr. H. SEIDLER.

PROFESSORS:

Faculty of Catholic Theology:
DILLERSBERGER, J., New Testament Studies
HOLBÖCK, C., Canon Law
HOLBÖCK, F., Dogmatics
PROBST, B., Old Testament Studies
REHRL, S., Moral Theology
RIESER, J., Pastoral Theology
SCHÄCHER, E., Christian Philosophy

Faculty of Philosophy:
BAEHR, R., Romance Languages
FELLNER, F., Modern History
KOLLER, H., Medieval History
LENDL, E., Geography
MARCIĆ, R., Philosophy of Law and State
PFLIGERSDORFFER, G., Classical Philology
REIFFENSTEIN, I., German Language and Literature
SCHWARZ, B., Philosophy
SEDLMAYR, H., History of Art
SEIDLER, H., German Language and Literature
STÜRZL, E., English Language and Literature
WOLF, K., Systematic Philosophy and Pedagogy

UNIVERSITÄT WIEN
(Vienna University)

VIENNA,
DR. KARL LUEGER-RING 1

Telephone: 42 76 11.

Founded 1365.

Rector: Prof. Dr. K. FELLINGER.
Pro-Rector: Dr. A. LESKY.
Archivist: Dr. FRANZ GALL.

Library: *see under* Libraries.
Number of teachers: 800, including 128 ordinary professors.
Number of students (1964–65): 18,000.

DEANS:

Faculty of Catholic Theology: Prof. Dr. W. KORNFELD.
Faculty of Protestant Theology: Prof. Dr. G. FITZER.
Faculty of Law and Political Science: Prof. Dr. L. BREITENECKER.
Faculty of Medicine: Prof. Dr. A. LINDNER.
Faculty of Philosophy and Natural Sciences: Prof. Dr. W. KRAUS.

PROFESSORS:

Faculty of Catholic Theology:
BINDER, K., Dogmatics
DORDETT, A., Ecclesiastical Law
HÖRMANN, K., Moral Theology
KLOSTERMANN, F., Pastoral Theology
KORNFELD, W., Religious Teaching
KOSNETTER, J., New Testament
LOIDL, F., Church History
PRITZ, J., Fundamental Theology
THUM, B., Christian Philosophy

Faculty of Protestant Theology:
DANTINE, W., Systematic Theology
FITZER, G., New Testament
KÜHNERT, W., Church History
KUTSCH, E., Old Testament
LÜTHI, K., Systematic Theology
ZERBST, F., Practical Theology

Faculty of Law and Political Science:
ADAM, A., Statistics
ANTONIOLLI, W., Civil and Administrative Law
BOLLA-KOTEK, S., Roman Law
DEMELIUS, H., Civil Law
ERMACORA, F., Political Science
FASCHING, H. W., Civil Procedure
GRASSBERGER, R., Criminology
HAUSMANINGER, H., Roman Law
KASTNER, W., Civil Law
KRALIK, WINFRIED, Civil Law
LAGLER, E., Political Economy
LEITMAIER, CHARLOTTE, Ecclesiastical Law
LENTZE, H., German Law, Austrian Constitutional and Administrative Law
MAHR, A., Political Economy
MELICHAR, E., Political Science
PLÖCHL, W., Ecclesiastical Law
PÜTZ, T., Political Economy
ROSENMAYER, L., Sociology
SAGOROFF, S., Statistics
SCHIMA, J., Civil Procedure
SCHMITZ, H., Social Law
SCHWIND, F., Civil Law
SELB, W., Roman Law
VEROSTA, S., International Law, Philosophy of Law
WEBER, W., Political Economy
WINKLER, G., Austrian State Law
ZEMANEK, K., International Law

Faculty of Medicine:
ANTOINE, T., Midwifery and Gynæcology
ASPERGER, H., Children's Diseases
BÖCK, J., Ophthalmology
BORNSCHEIN, H., Physiology
BREITENECKER, L., Forensic Medicine
BRÜCKE, F., Pharmacology
CHIARI, H., Pathological Anatomy
CHIARI, K., Orthopædics
DEUTSCH-KEMPNY, E., Internal Medicine
FELLINGER, K., Internal Medicine
FUCHSIG, P., Surgery
HAYEK, H., Anatomy
HOFF, H., Neurology and Psychiatry
HRUBY, K., Ophthalmology
HUSSLEIN, H., Midwifery and Gynæcology
KRAUS, H., Neurosurgery
KUNZ, H., Surgery
LANGER, H., Dentistry
LESKY, ERNA, History of Medicine
LINDNER, A., Experimental Pathology
MAINX, F., Biology
MAYRHOFER-KRAMMEL, O., Anæsthesiology
MORITSCH, H., Hygiene
NOVOTNY, O., Otology, Laryngology
PISCHINGER, A., Histology, Embryology
SCHEDLING, J., Medical Physics
SCHUBERT, G., Physiology
SEELICH, F., Medical Chemistry
SEITELBERGER, F., Neurology
TAPPEINER, J., Dermatology and Syphilology
TUPPY, H., Biochemistry
UBELHOR, R., Urological Surgery
ULLIK, R., Surgery, Dentistry
WIEDMANN, A., Syphilology and Dermatology

Faculty of Philosophy and Natural Sciences:
APPELT, H., Medieval History
BAYR-KILMPFINGER, Psychology
BETZ, A., Roman History
BIEBL, R., Botanics
BOBEK, H., Geography
BREITENBACH, J., Physical Chemistry
BREITINGER, E., Anthropology
BRODA, E., Chemical Technology
BRUKL, A., Chemistry
CLAR, E., Geology
CUFUDONTIS, G., Botanics
DEMUS, O., History of Art
DUDA, H. W., Oriental Philology
EICHLER, F., Classical Archæology
ENGEL-JANOSI, F., Modern History
ENZINGER, M., Literature
EXNER, C., Geology
FELGENHAUER, F., Pre-History
FERRARI D'OCCHIEPPO, K., Astrology
FICHTENAU, H., Medieval History
FRAUWALLNER, E., Indian Philology
FUCHS, L., Pharmacy
GABRIEL, L., Philosophy
GEITLER, L., Systematic Botany
GOSSEN, C., Romance Philology
GOTTSCHALK, H., Oriental Philology

GRAF, W., Musicology
HAEKEL, J., Ethnology
HAMANN, G., Modern History
HAMM, J., Slavonic Philology
HANSLIK, R., Classical Philology
HANTSCH, H., Modern History
HECHT, F., Analytical Chemistry
HIRSCH, H., Semitic Philology
HIRSCHBERG, W., Ethnology
HLAWKA, E., Mathematics
HOFFMANN, A., History of Economics
HÖFLER, O., Language and Old German Literature
HOFREITER, N., Mathematics
HUNGER, H., Byzantine Studies
JAGODITSCH, R., Slavonic Philology
KAINZ, F., Philosophy
KARLIK, BERTA, Physics
KENNER, H., Classical Archæology
KINDERMANN, H., Theatre Studies
KORNINGER, S., English Language and Literature
KOZIOL, H., English Language and Literature
KRANZMAYER, E., German Language and Literature
KRAUS, W., Classical Philology
KRONASSER, H., Indo-germanistic Philology
KÜHNELT, W., Zoology
LESKY, A., Classical Philology
LHOTSKY, A., Austrian History
LINTNER, K., Physics
MACHATSCHKI, F. K. L., Mineralogy and Petrography
MARINELLI, W., Zoology and Morphology
MAYRHOFER, K., Mathematics
MEURERS, J., Astronomy
MITTENECKER, E., Psychology
NOWOTNY, H., Physical Chemistry
NÖBAUER, W., Mathematics
NOYER-WEIDNER, A., Romance Philology
OBERHAMMER, G., Indology
PÄCHT, O., History of Art
PITTIONI, R., Pre-History
REEGER, E., Experimental Physics
REUTER, H., Meteorology
ROHRACHER, H., Philosophy and Psychology
RUPPRICH, H., German Language and Literature
SCHACHERMEYR, F., Greek History
SCHENK, E., Musicology
SCHMETTERER, L., Mathematics
SCHMID, E., Physics
SCHMID, L., Chemistry
SCHUBERT, K., Oriental Philology
SCHWARZ, R., Pedagogics
SEIDL, FRANZISKA, Experimental Physics
SEXL, T., Theoretical Physics
SLAWIK, A., Ethnology
SPREITZER, H., Geography
STEINHAUSER, F., Geophysics
STETTER, G., Physics
THAUSING, G., Egyptology
THENIUS, E., Palæontology
THIRRING, W., Theoretical Physics
VIEBÖCK, F., Pharmaceutical Chemistry
WESSELY, F., Chemistry
WIESENEDER, H., Mineralogy and Petrography
WOLFRAM, R., Folklore
ZÖLLNER, E., Austrian History

AFFILIATED INSTITUTE:

Universitäts-Sternwarte (*University Observatory*): Vienna XVIII, Türkenschanzstr. 17; f. 1753; library of 15,000 vols.; publ. *Mitteilungen der Universitäts-Sternwarte Wien.*

Director: Prof. Dr. JOSEPH MEURERS.

TECHNICAL UNIVERSITIES

TECHNISCHE HOCHSCHULE IN GRAZ

(Graz Technical University)

GRAZ, RECHBAUERSTRASSE 12

Founded 1811.

Rector: Dipl. Ing. Dr. techn. P. KLAUDY.
Pro-Rector: Dipl. Ing. Arch. G. GOTTWALD.
Chief Administrative Officer: H. P. PAULA.
Librarian: Dr. A. SCHMIDT.

Teaching staff: 315.
Number of students: 3,985.

DEANS:

Faculty of Constructional Engineering and Architecture: Prof. Dipl. Ing. Dr. techn. K. SATTLER.
Faculty of Mechanical and Electrical Engineering: Ing. Dr. techn. R. MUSYL.
Faculty of Natural Sciences: Prof. Dipl. Ing. Dr. phil. A. POLLAK.

PROFESSORS:

ADAMIK, K., Paper and Cellulose Technology
AICHHOLZER, G., Electrical Engineering
BEER, H., Building Statics and Steel Building
BIEBER, K. A., Interior Decorating and Planning
DORFWIRTH, J. R., Road Construction and Traffic
FLORIAN, H., Applied Mathematics
FRIEDRICH, E., Concrete, Soil Mechanics and Wood Building
FRITZSCHE, W., High Frequency Technique and Electronics
GEBAUER, R., Experimental Physics
GILLI, P., Steam Engines
GORBACH, G., Biochemistry
GOTTWALD, G., Surface Engineering and Draughtmanship
GRUBITSCH, H., Inorganic and Analytical Chemistry
HAHN, W., Mathematics
HOFFMAN, H., Building and Town Planning
HOHENBERG, F., Descriptive Geometry
HUBENY, K., Geodesy
KLAUDY, P., Elements of Electrical Engineering
KREYSZIG, E., Mathematics
KROMM, A., General and Technical Mechanics
LEDINEGG, E., Theoretical Physics
LORENZ, K. R., Theory of Building and Design for Civil Engineers
MRAMOR, F., Theoretical Mechanical Engineering
MUSYL, R., Mechanical Technology and Machine Tools
NEMECEK, E., Hydraulics, Agricultural and Industrial Water Construction
NIEDERMAYER, E., Power Plant
OBERDORFER, G., Electrical Appliances
PIETSCH, M, Industrial Management Training
PISCHINGER, A., Internal Combustion Engines and Thermodynamics
POLLAK, A., Prof., DIPL.ING., DR.PHIL.
POVSE, T., Study of Raw Materials and Welding Technology
REISCHL, F., High Building for Constructional Engineers
RINNER, K., Geodesy
SATTLER, K., Building Statics
SCHUSTER, F., Architecture and Planning
SIMMLER, H., Water Supply and Structural Water Construction
SPITZY, H., General Chemistry, Micro- and Radio-Chemistry
STELLER, A., Technical Deve... ment and Mechanics
STUNDL, K., Microbiology and Biology
TORKAR, K., Physical Chemistry
TSCHECH, E., Strength and Testing of Materials
VEDER, C., Soil Mechanics, Rock Mechanics and Foundations
WACEK, A., Organic Chemistry, Technology of Organic Chemistry
WANNAGAT, U., Inorganic Chemistry
WINTER, H., Electricity

Also three ordinary professors of Karl-Franzens-Universität Graz, as marked with an asterisk (*q.v.*).

TECHNISCHE HOCHSCHULE IN WIEN

(Vienna Technical University)

VIENNA IV, KARLSPLATZ 13

Founded 1815.

Rector: Prof. Dr. W. KRESSER.
Pro-Rector: Prof. Dr. W. WUNDERLICH.

Library: *see under* Libraries.
Number of teachers: 250, including 60 professors.
Number of students: 5,000.
Publication: *Jahresbericht.*

DEANS:

Faculty of Civil Engineering and Architecture: Prof. Dr. K. SCHWANZER.
Faculty of Mechanical Engineering and Electricity: Prof. Dr. R. EBERAN-EBERHORST.
Faculty of Natural Sciences: Prof. Dr. O. HROMATKA.

PROFESSORS:

Faculty of Civil Engineering and Architecture:

BITZL, E., Road Construction
BOLTENSTERN, E., Housing Design
BOROWICKA, H., Ground Engineering and Soil Mechanics
CZITARY, E., Railway Engineering
EISENMENGER, R., Drawing and Painting
FRODL, W., History of Art and Preservation of Monuments
GRZYWIENSKI, A., Water Management, River Engineering, Hydro-Plants
HEINRICH, G., Basic Mechanics
KEIDEL, H., Handicrafts and Interior Decoration
KIESLINGER, A., Geology
KOEPF, H., Structural Engineering and Surveying
KRESSER, W., Hydraulics, Waterways, Settlements, Agricultural Applications
KUPSKY, K., Building Construction for Architects
MERINSKY, J., High Building
PUCHER, A. Elasticity and Stability Theory
SCHISCHKA, E., Statics of High Building and Design of Wooden and Steel Structures

SCHWANZER, K., Building Theory 1, and Planning 2
TREMMEL, E., Building Statics
WURZER, R., Town and Country Planning

Faculty of Mechanical Engineering and Electricity:
BERTELE, H., Industrial Electronics
BILLICH, J., Conveyor Engineering and Technical Drawing
EBERAN-EBERHORST, R., Internal Combustion Engines
KÖNIG, H., Communication
KRAUS, G., Low Frequency Technics
LEDINEGG, M., Technical Heat Theory
MÜLLER, K., Steam and Gas Turbines
OSWATITSCH, K., Fluid Mechanics
PARKUS, H., Basic Mechanics
SCHULZ, F., Hydraulic Machines and Pumps
SEQUENZ, H., Electrical Power Plants
SLATTENSCHEK, A., Knowledge and Testing of Materials
SLIBAR, A., Machine Dynamics
STIX, R., Electrical Machines
TSCHIRF, L., Workshop Technology
VÖLKER, H., Naval Construction and Marine Engineering
ZEMAN, J., Elements of Machinery
ZWIERINA, O., Electric Measurements and High Voltage Testing

Faculty of Natural Sciences:
BARVIR, A., Surveying
BAYER, F., Technical Electrochemistry
BRUNNER, R., Biochemical Technology and Microbiology
BUCOVICS, E., Mathematics
GUTMANN, V., Elements of Chemistry
HAUER, F., General Surveying
HITTMAIR, O., Theoretical Physics
HORNICH, H., Mathematics
HROMATKA, O., Organic Chemistry
INZINGER, R., Mathematics
KIEFFER, R., Chemical Technology of Inorganic Materials
KRAMES, J., Descriptive Geometry
LEDERSTEGER, K., Higher Geodesy and Applied Geophysics
LIHL, F., Applied Physics
MALISSA, H., Analytical Chemistry and Microchemistry
ORTNER, G., Technical Nuclear Physics
PETERS, K., Process Technique and Technology of Fuels
RAAZ, F., Mineralogy, Crystallography and Applied Petrography
REGLER, F., Physics
RYBARZ, J., Insurance Mathematics
SCHMID, H., Physical Chemistry
WUNDERLICH, W., Descriptive Geometry
ZORN, H., Inorganic Chemical Technology
(Vacant—Physics, Inorganic Chemical Technology)

TECHNICAL AND OTHER COLLEGES

Bundesanstalt für Leibeserziehung (*Federal Institute for Physical Education*): Vienna IX, Senseng. 3; f. 1870.

Director: Univ. Prof. DDr. LEO GABRIEL.
Technical Head: Univ. Prof. Dr. HANS GROLL.

Number of students: 400.

Publications: *Leibesübungen und Leibeserziehung* (periodical), *Theorie und Praxis der Leibesübungen.*

HEADS OF DEPARTMENTS:

Training of Instructors in Physical Education: Ob. Stud. R. Prof. K. DESCHKA.
Training of Amateur Coaches: Prof. F. HACKL.
Training of Ski Instructors: Prof. F. RITSCHEL.
Athletic Conditioning: Prof. A. RÖSSNER.
Medical Service: Prof. Univ. Dr. med. L. PROKOP.
Documentation and Information Centre: Dr. F. TSCHERNE.
Sportfilms Centre: F. CERNY.

Höhere Graphische Bundes-Lehr- und Versuchsanstalt (*Federal Institute for Study and Research in Photography, Commercial Arts, and Printing*): Vienna VII, Westbahnstrasse 25; f. 1888 by H.M. Emperor Franz Josef I.

Principal: Prof. Dr. WILHELM MUTSCHLECHNER.
Secretary: F. FRANKE.
Librarian: Dr. A. MICHELFEIT.

Library: 22,500 volumes.

The Museum contains an extensive collection of cameras, lenses, photographs, etc.

Number of teachers: 82, of which 67 full-time.

Number of students: 258 men, 96 women, total 354.

Publications include: *Photographische Korrespondenz, GLV-Mitteilungen.*

DIRECTORS:

Faculty of Photography: Prof. H. MADENSKY.
Faculty of Printing: Prof. Dr. A. DURSTMÜLLER.
Faculty of Process Work: Prof. Dr. F. DANNERER.
Faculty of Commercial Art: Prof. R. REINKENHOF.
Research Institute: Prof. Dr. W. MUTSCHLECHNER.

Hochuschule für Bodenkultur (*State University of Agriculture and Forestry*): Vienna XVIII, Gregor Mendelstr. 33; f. 1872.

Rector: Prof. Dr. phil. J. KISSER.
Pro-Rector: Prof. Dipl. Ing. Dr. J. KAR.

Library: *see under* Libraries.

Number of teachers: 94, including 22 professors.

Number of students: 1,200.

Publication: *Die Bodenkultur.*

DEANS:

Faculty of Agriculture: Prof. Dipl. Ing. F. TUREK.
Faculty of Forestry: Prof. Dipl. Ing. Dr. F. ACKERL.
Faculty of Engineering for Land Reclamation: Prof. Dipl. Ing. Dr. F. ACKERL.
Faculty of Zymology: Prof. Dr. phil. A. ZEILINGER.

Hochschule für Sozial- und Wirtschaftswissenschaften (*University of Social and Economic Sciences*): Rudolfstr. 3, Linz; f. 1963; the first students from 1966.

Hochschule für Welthandel (*University of Commerce*): Vienna XIX, Franz Kleingasse 1; Telephone 34 75 44; f. 1898.

Rector: Prof. Dr. H. KRASENSKY.
Pro-Rector: Prof. Dr. W. HEINRICH.
Registrar: Dr. A. LEDER.

Library: 140,681 volumes.
Number of teachers: 120.
Number of students: 4,852.

PROFESSORS:

BERNECKER, P.
BORODAJKEWYCZ, T.
BOUFFIER, W.
CONDANARI, S.
GRUENSTEIDL, E.
HASCKHA, H.
HEINRICH, W.
HOFBAUER, G.
HRUSCHKA, E.
ILLETSCHKO, L.
KALUSSIS, D.
KERSCHAGL, R.
KRASENSKY, H.
LOITLSBERGER, E.
SCHEIDL, L.
SKOWRONNEK, K.
STRZYGOWSKI, W.
TAGWERKER, H.
THEVER, G.

Montanistische Hochschule (*Mining and Metallurgical College*): Leoben (Styria); f. 1848.

Rector: Dr. A. W. REITZ.
Pro-Rector: Dr. K. TRUTNOVSKY.

Number of teachers: 55, including 21 professors.

Number of students: 883.

PROFESSORS:

BAUER, K., General and Mining Engineering
BIERBAUER, E., Treatment of Ores
FETTWEIS, G., Mining
FRIEDRICH, O., Mineralogy
HERMANN, F., Prospecting, Opening of Deposits
HORNINGER, H., Applied Geometry
KOCH, A., Mathematics
LORBACH, M., Drilling, Oil Production
MITSCHE, R., Metallurgy
MÜLLER, H. G., Smelting Machines
OBERHOFER, A., Economy
PETRASCHECK, W., Geology and Palæontology
REICHEL, E., Chemistry
REITZ, A., Physics
SCHWARZ VON BERGKAMPF, E., Chemistry
SEIDL, K., Electrotechnics
SPICKERNAGEL, H., Mine Surveying, Subsidence Problems
TRENKLER, H., Steel Making
TRUTNOVSKY, K., Mechanical Engineering, Machine Draw-Mechanics
USSAR, M. B., Thermotechnics and Metallurgy
ZEPPELZAUER, K., Foundry

Technologisches Gewerbemuseum (*Technical Trade College*): Vienna IX, Währingerstrasse 59; f. 1879 by Wilhelm Exner. The College, which

is a Federal Institute for both teaching and research, has experimental and test laboratories authorised to grant public certificates.

Director: Hofrat Dipl. Ing. KARL SCHEERER.

Number of students: 1,300.

DEANS:

Faculty of Industrial Management: Prof. Dipl. Ing. W. KLUNZINGER.
Faculty of Mechanical Engineering: Prof. Dipl. Ing. J. SCHWANZER.
Faculty of Motor Vehicle Technics: Prof. Dr. H. SCHLÖSS.
Faculty of Electrical Engineering: Prof. Dipl. Ing. H. GRÜNER.
Faculty of Tele-Communication Engineering: Prof. Dr. W. BRANDSTETTER.
Faculty of Plastic Engineering: Prof. Dipl. Chem. E. SCHMITZ.
Faculty of Silicate Engineering: Prof. Dipl. Ing. H. SVEJDA.

Tierärztliche Hochschule (*Veterinary University*): Vienna III, Linke Bahngasse 11; f. 1767.

Rector: Prof. Dr. ALFRED KMENT.
Pro-Rector: Prof. Dr. JOSEF MICHALKA.

Library: *see under* Libraries.

Teaching staff: 93, including 17 professors.

Afro-Asiatisches Institut in Wien (*Afro-Asian Institute*): Vienna IX, Türkenstrasse 3; Telephone 34.46.25; f. 1959; introductory programmes, social activities, seminars and language courses for African and Asian students studying in Vienna.

President of Board of Governors: Dr. T. PIFFL-PERCEVIC (Minister of Education).
President of Academic Council: Prof. Dr. HERBERT W. DUDA.
Advisory Committee: Dr. HEINRICH DRIMMEL (Pres.), Prof. Dr. FRITZ HAMP, JOSEF KLEMEN, Dr. Dr. ALOIS PACHE, SVD, HERTA PAMMER, Dr. RAPHAEL SPANN.
Secretary: HEINRICH POZNIAK.

Number of students: about 950.

Publications: *Confrontation* (quarterly), *Entwicklungshilfe, Österreich und die Entwicklungsländer* (monthlies).

SCHOOLS OF ART AND MUSIC

ART

Akademie der Bildenden Künste (*Academy of Fine Arts*): Vienna I, Schillerplatz 3; f. 1692; Rector Prof. Dr. ROLAND RAINIER; Pro-Rector Prof. CHRISTIAN L. MARTIN; Dir. of Gallery Dr. MARG. POCH-KALOUS; Sec. Dr. RUDOLF METZ; Library: *see under* Libraries.

Akademie für angewandte Kunst (*Academy of Applied Art*): Vienna I, Stubenring 3; f. 1867; Pres. Arch. CENO KOSAK; teaching staff 65; students 510; library of 9,500 vols.

MUSIC

Akademie für Musik und darstellende Kunst (*Academy of Music and Dramatic Art*): Vienna III, Lothringerstrasse 18; f. 1817 as "Conservatorium der Gesellschaft der Musikfreunde"; nationalised 1909; Pres. Prof. Dr. HANS SITTNER; teaching staff 242; students 1,732.

Akademie für Musik und darstellende Kunst: Graz; f. 1963.

Mozarteum (Akademie für Musik und darstellende Kunst): Salzburg, Schwarzstrasse; f. 1914; awards degrees in Music and Dramatic Art; Dir. B. PAUMGARTNER; teaching staff 84; students 753.

Musiklehranstalten der Stadt Wien (*Vienna Municipal Music Schools*): Vienna I, Johannesgasse 4A; f. 1938; comprises the Konservatorium (teaching staff 73; students 1,134), 13 Musikschulen (teaching staff 86; students 1,729), and the Kindersingschule (teaching staff 35; students 6,949); Acting Principal ERWIN WEISS.

BELGIUM

Population 9,328,126

ACADEMIES

Académie Royale des Sciences, des Lettres et des Beaux-Arts de Belgique: Palais des Académies, rue Ducale, Brussels; f. 1772.

President: P. DELVAUX.

Permanent Secretary: CHARLES MANNEBACK.

Librarian: LOUISE NICOLAS-SERVAIS.

Library: 400,000 volumes.

Number of mems. 86, correspondents 36, associate mems. 150.

Publications: *Monthly Bulletin, Memoirs, Year Book.*

DIRECTORS:

Sciences: Count MARC DE HEMPTINNE.

Letters and Moral and Political Sciences: (Vacant).

Fine Arts: P. DELVAUX.

MEMBERS:

SCIENCES

Mathematical and Physical Sciences Section:

BUREAU, FLORENT.
CAMPUS, F.
COX, JACQUES.
GEHENIAU, JULES.
GODEAUX, LUCIEN.
HEMPTINNE, MARC DE.
LEMAÎTRE, GEORGES.
LEPAGE, THÉOPHILE.
MANNEBACK, CHARLES.
PRIGOGINE, I.
SIMONART, FERNAND.
SWINGS, POL.
TIMMERMANS, JEAN.
VAN DEN DUNGEN, FRANS.
WUYTS, HENRI.

Natural Sciences Section:

BOUILLENNE, RAYMOND.
BREMER, F.
BRIEN, PAUL.
DALCQ, ALBERT.
DEBAISIEUX, PAUL.
DUBUISSON, MARCEL.
FOURMARIER, PAUL.
FREDERICQ, HENRI.
HAUMAN, LUCIEN.
HOMÈS, M.
LEBRUN, J.
LECOMPTE, M.
MARTENS, PIERRE.
MICHOT, P.
THOREAU, J.

LETTERS AND MORAL AND POLITICAL SCIENCES

History and Letters Section:

COENS, R.P. MAURICE.
DOSSIN, GEORGES.
DRAGUET, R.
LAMOTTE, ETIENNE.
PRÉAUX, C.
ROME, ADOLPHE.
ROUSSEAU, F.
SEVERYNS, ALBERT.
TOURNEUR, VICTOR.
VAN LOEY, ADOLPHE.
VAN OOTEGHEM, J.
VANNÉRUS, JULES.

Moral and Political Sciences Section:

BARZIN, MARCEL.
DABIN, JEAN.
DE PAGE, HENRI.
DE VISSCHER, CHARLES.
DUPRÉEL, EUGÈNE.
DUPRIEZ, L. H.
GRÉGOIRE, Canon F.
HAESAERT, JEAN.
HARSIN, PAUL.
HOLVOET, Baron GEORGES.
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PIRENNE, Count JACQUES.
VANLANGENHOVE, F.

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DELVAUX, PAUL.
DEVOS, LÉON.
FABRY, EMILE.
MAES, JACQUES.
NAVEZ, LÉON.
OCHS, JACQUES.
OPSOMER, Baron ISIDORE.
VAN ZEVENBERGHEN, GEORGES.

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DUPON, ARTHUR.
PUVREZ, HENRI.
RAU, MARCEL.

Engraving Section:

SEVERIN, MARK-F.
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HEBBELYNCK, JEAN.
LACOSTE, HENRY.
STYNEN, L.

Music Section:

ABSIL, J.
DE VOCHT, LOUIS.
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QUINET, FERNAND.
RYELANDT, BARON JOSEPH.

History and Criticism:

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LAVALLEYE, J.
POIRIER, P.
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VAN DEN BORREN, CHARLES.

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SCIENCES

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DUCHESNE, J.
GLANSDORFF, P.
LAHAYE, E.
LEDOUX, P.
MIGEOTTE, M.
NICOLET, M.
VAN TIGGELEN, A.
VEUBEKE, F. DE

Natural Sciences Section:

BACQ, Z.
BRACHET, J.
DE DUVE, CH.
FLORKIN, M.
JEENER, R.
PASTEELS, J.
POLL, M.
STOCKMANS, F.
TULIPPE, O.

HISTORY AND LETTERS

History and Letters Section:

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JODOGNE, O.
LEROY, M.
VAN STEENBERGHEN, F.
VERCAUTEREN, F.

Moral and Political Sciences Section:

DEL MARMOL, CH.
JANNE, H.
WIGNY, P.

FINE ARTS

Painting Section:

CAMUS, G.
CROMMELYNCK, A.
VAN LINT, L.
(vacancy).

Sculpture Section:

GRARD, G.

Architecture Section:

BASTIN, R.

Engraving Section:

(one vacancy)

Music Section:

BERNIER, R.
SAMUEL, L.

History and Criticism Section:

FAIDER, G.
GILBERT, P.

Koninklijke Vlaamse Academie voor Wetenschappen, Letteren en Schone Kunsten van België (*Royal Flemish Academy of Science, Letters and the Arts*): Paleis der Academiën, Hertogsstraat 1, Brussels.

President: G. POLSPOEL.

Permanent Secretary: L. LEBEER.

Number of mems. 84, correspondents 19.

Publications: *Proceedings, Memoirs, Year Book.*

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Letters and Moral and Political Sciences: J. VERGOTE.

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Dumon, A.
Fautrez, J.
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Letters and Moral and Political Sciences:

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Fine Arts:

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De Smidt, F.
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Herberigs, R.
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Leurs, S.
Meulemans, A.
Minne, J.
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Roggen, D.
Servranckx, V.
Slabbinck, V.
Steppe, J.
Van Der Mueren, F.

Académie Royale de Langue et de Littérature Françaises: Palais des Académies, 1 rue Ducale, Brussels; f. 1920.

ADMINISTRATIVE COMMITTEE:

Director, 1964: Robert Vivier.
Vice-Director, 1964: Maurice Piron.
Permanent Secretary: Marcel Thiry.
Members: Gustave Vanwelkenhuyzen, Henri Davignon.

Publications: *Bulletin, Annuaire.*

MEMBERS:

BELGIAN MEMBERS

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Nothomb, Baron Pierre.
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Sion, Georges.
Spaak, Paul-Henri.
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Vandercammen, Edmond.
Vivier, Robert.

Philology:

Bastin, Mlle. Julia.
Calozet, Joseph.
Delbouille, Maurice.
Desonay, Fernand.
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Piron, Maurice.
Remacle, Louis.
Vanwelkenhuyzen, Gustave.

FOREIGN MEMBERS

Literature:

Bibesco, Princess Marthe (Rumania).
Green, Julien (U.S.A.).
Sie, C. K. (China).
Vinaver, Eugene.
Woodbridge, B. (U.S.A.)

Philology:

Pommier, Jean (France).

Académie Royale de Médecine de Belgique: Palais des Académies, rue Ducale, Brussels; f. 1841; Pres. M. Cheval; 1st Vice-Pres. P. van Gehuchten; 2nd Vice-Pres. L. van den Wildenberg; Perm. Sec. A. M. Dalcq; 37 mems., 40 correspondents, 43 hon. foreign mems., 58 foreign correspondents; library of 200,000 vols.; competitive scientific examinations held, open to scientists from foreign countries; publs. *Monthly Bulletin, Memoirs*; Library: *see under* Libraries.

MEMBERS:

Anatomy and Physiology, Medical Physics and Chemistry:

Bigwood, E.
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Leplat, G.

Human Medicine:

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Dautrebande, L.
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Govaerts, P.
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Plumier, L.
Roskam, J.
Van Bogaert, L.
Van Gehuchten, P.

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Albert, F.
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Coppez, L.
Danis, R.
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Weekers, L.

Hygiene, Forensic Medicine:

Bessemans, A.
Bordet, P.
De Laet, M.
Dubois, A.
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Pharmacy:

Castille, A.
Vivario, R.
Wattiez, N.
Willems, R.

Veterinary Medicine:

Liégeois, F.
Van Goidsenhoven, Ch.

Koninklijke Vlaamse Academie voor Geneeskunde van België (*Royal Flemish Academy of Medicine of Belgium*) Paleis der Academiën, Hertogsstraat 1, Brussels; f. 1938; Pres. Prof. Dr. A. Verstraete; Perm. Sec. Prof. Dr. A. Lacquet; 30 mems., 10 correspondents, 2 honorary, 12 foreign honorary, 37 foreign correspondents; publs. *Proceedings, Year Book*; Library: *see* under Libraries.

MEMBERS:

Anatomy and Physiology, Medical Physics and Chemistry.

Bouckaert, J. J.
Bouckaert, J. P.
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De Nayer, P.
Massart, L.
Peeters, G.
Van der Schueren, G.

Human Medicine:

Brusselmans, P
Gessler, C.
Hooft, C.
Lebeer, J.
Regniers, P.
Van Damme, J.
Van Denbroucke, J.

Surgery and Obstetrics:

De Rom, F.
Gyselen, A.
Lacquet, A.
Pannier, R.
Renaer, M.
Schockaert, J. A.
Van Caneghem, D.

Hygiene, Forensic Medicine:

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Heringa, G. C. (Netherlands).
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Seekles, L. (Netherlands)
Szent-Gyorgyi, A. (U.S.A.)
Thomsen, C. (Denmark)
Woerdeman, M. W. (Netherlands).

Académie Royale des Beaux-Arts, Ecole Supérieure des Arts Décoratifs et Ecole Supérieure d'Architecture de Bruxelles (*Brussels Royal Academy of Fine Arts*): 144 rue du Midi, Brussels; f. 1711; Dir. Augustin Bernard; Sec. Paul Legardien; 48 professors, 5 assistants; Library: *see under* Libraries.

Académie Royale des Sciences d'Outre-Mer: Koninklijke Academie voor Overzeese Wetenschappen: 80a rue de Livourne, Brussels 5; f. 1928; the promotion of scientific knowledge of overseas areas, especially those with particular development problems; Pres. Prof. J. Lepersonne; Perm. Sec. E. J. Devroey; 14 hon. mems., 45 mems., 67 assocs., 48 corresps.

Moral and Political Sciences:

Carton de Tournai, Baron J. G.
De Cleene, N.
Devaux, V.
de Vleeschauwer, Baron A.
Ghilain, J. V.
Guebels, L. M.
Jadot, J. C.
Laude, N. A.
Malengreau, G.
Moeller, de Laddersous, A.
Sohier, A. J.
Stengers, J.
Van der Linden, F.
Van der Straeten, E.
Van Wing, J.
Walraet, M.

Natural and Medical Sciences:

Bouillenne, R.
Brien, P.
Denaeyer, M.-E.
de Witte, A.
Duren, A. N.
Fourmarier, P. L.
Janssens, P.-G.
Lepersonne, J.
Robijns, W.
Staner, P. J.
Van den Abeele, M.
Van Goidsenhoven, C.
Van Riel, J.

Technical Sciences:

Beelaerts, J.
Campus, F.
Camus, C.
De Backer, S.
de Magnee, I.
Devroey, E. -J.
Evrard, P.
Geulette, P.
Mertens de Wilmars, E.
Tison, L.
Van de Putte, M.
Vander Elst, N.
Vanderlinden, R.
Van der Straeten, J.

LEARNED SOCIETIES

Association Belge d'Hygiene et de Médecine Sociale: 7 rue Heger-Bordet, Brussels; f. 1938; Pres. Prof. J. van Beneden; Sec. Prof. S. Halter; undertakes and promotes research in and outside Belgium; arranges Belgian participation in international conferences; 160 mems.; publs. *Archives belges de Médecine sociale, d'Hygiène, Médecine du Travail et Médecine légale.*

Association des Archivistes et Bibliothécaires (*Association of Archivists and Librarians*): 78 galerie Ravenstein, Brussels 1; f. 1907; Sec.-Gen. Miss A. Scufflaire; 260 mems.; publ. *Archives et Bibliothèques de Belgique* (twice a year), French and Flemish.

Association des Ecrivains Belges de Langue Française (*Association of Belgian Writers in the French Language*): Maison des Ecrivains, 150 chaussée de Wavre, Brussels; f. 1902; Pres. G. Doppagne; Sec.-Gen. B. Delépinne; 440 mems.; publ. *Nos Lettres* (ten times a year).

Association pour les Etudes et Recherches de Zoologie Appliquée et de Phytopathologie (*Association for the Study and Research in Applied Zoology and Phytopathology*): 18 avenue des Arts, Brussels; f. 1945; Pres. R. Breny; Sec. L. Detroux; publ. *Parasitica* (quarterly).

British Council, The: 23 Avenue Marnix, Brussels; also serves Luxembourg; Rep. M. H. Cardiff, O.B.E.

Centre d'Etudes des Problèmes du Monde Musulman Contemporain (*Study Centre for Problems of the Contemporary Moslem World*): 4 rue de Pascale, Brussels 4; f. 1957; Scientific Dir. Prof. A. Abel; publ. *Bulletin d'Informations* (quarterly).

Centre National de Calcul Mécanique: 44 rue de Louvain, Brussels; Dir. M. A. Dillaerts.

Centre National d'Etudes et de Recherches Aéronautiques: 11 rue d'Egmont, Brussels; f. 1950; Pres. J. Willems, C.B.E.; Admin. Sec. M. Freson, DR.SC.

Centrum Voor de Studie van de Mens (*Centre for the Study of Man*): 221 Italiëlei, Antwerp; f. 1951; aims to synthesise the scientific and philosophical data about the nature of man both as an individual and as a part of a cultural community; Pres. R. van Overbeke; Sec. Mlle L. Stordiau.

Cercle d'Etudes Littéraires Françaises (C.E.L.F.): 42 avenue de la Couronne, Brussels; f. 1935; Pres. A. Légier; Sec. Marie-Louise Protsichine; 250 mems.; publs. *Interfrance* (irregular), *Les Cahiers de la Tour de Babel* (stories, essays, poetry, novels, plays), *Un Trou dans le Ciel* (poetry).

Commission Belge de Bibliographie: 5 rue de la Régence, Brussels 1; f. 1951; Hon. Pres. L. Verniers; Pres. E. Vauthier; Sec. J. Dargent; a sub-committee of UNESCO, studies methods of standardisation of bibliography; 68 mems.; publs. *Bulletin* (quarterly), *Bibliographia Belgica, Coll.*

Conseil Supérieur de Statistique: 44 rue de Louvain, Brussels; f. 1841; Pres. A. de Block; Sec. A. du Jardin; 55 mems.

Fédération Belge des Alliances Françaises et Institutions Associées: 6 Place Quetelet, Brussels 3; Pres. Prof. Victor Decroyere.

Fondation Médicale Reine Elisabeth: the Foundation invests money in medical research through a number of laboratories operating at an **Institut de Recherches** (address: 1 avenue J. J. Crocq, Brussels 9); Dir. Prof. Paul Spehl.

Fondation Universitaire: 11 rue d'Egmont, Brussels 5; f. 1920; Pres. Jean Willems, C.B.E.; Sec. Marcel Grosjean.

Fonds National de la Recherche Scientifique: 11 rue d'Egmont, Brussels; f. 1928; Pres. Jean Willems, C.B.E.; Sec.-Gen. M. Freson.

Fondation Francqui: 11 rue d'Egmont, Brussels; f. 1932; Pres. JEAN WILLEMS, C.B.E.; Vice-Pres. R. GRUSLIN, J. VAN DER BELEN; Sec. M. GROSJEAN.

Institut Interuniversitaire des Sciences Nucléaires: 11 rue d'Egmont, Brussels; f. 1951; Pres. J. WILLEMS, C.B.E.; Sec.-Gen. M. FRESON, DR.SC.

The aim of these foundations is to encourage higher education and scientific research in Belgium.

Institut Archéologique du Luxembourg: 13 rue des Martyrs; Arlon (Belgique); f. 1847; Pres. ALFRED BERTRANG, Sec.-Librarian LOUIS LEFEBVRE; Treas. RAYMOND REUTER; museum covers prehistoric period, Belgian-Roman period, period of the Franks; folklore, local history; 300 mems.; 6,000 vols.; publs. *Annales, Bulletin* (quarterly).

Institut Archéologique Liègeois: Musée Curtius, 13 quai de Maastricht, Liège; f. 1850; Pres. M. P. HANQUET; Sec. G. HANSOTTE; studies of history and archæology and related sciences in the District of Liège; 450 mems., 40 correspondents; numerous associate mems.; publs. *Bulletin* (annual), *Archaeological Chronicle of the District of Liège* (quarterly).

Institut Belge de Droit Comparé: 14 rue Bosquet, Brussels; f. 1907; Pres. H. MATTON, 1st Pres. of the Cour des Comptes; Sec.-Gen. F. LANDRIEN; 400 mems.; publ. *La Revue de Droit International et de Droit Comparé* (quarterly).

Institut Belge de Normalisation (I.B.N.) (*Belgian Standards Institute*): 29 avenue de la Brabançonne, Brussels 4; f. 1946; Pres. P. DE SMET; Dir.-Gen. J. VAN DROOGENBROECK; Belgian member of the Organisation Internationale de Normalisation (I.S.O.); 671 mems.; publs. *Normes Belges, Revue I.B.N.* (monthly).

Institut Belge de Science Politique (*Belgian Institute of Political Science*): 43 rue des Champs Elysées, Brussels; f. 1951; Pres. M. GRÉGOIRE; Secs. A. PHILIPPART, H. VAN HASSEL; to promote the study of political science; 800 mems.; publ. *Res publica* (French and Flemish) (quarterly).

Institut Belge des Sciences Administratives (*Belgian Institute of Administrative Sciences*): 11 Place Royale, Brussels; f. 1936; Pres. H. MATTON; Sec.-Gen. M. STOCKMANS; studies questions submitted by the International Institute of Administrative Sciences; 90 mems.; publ. *Recueil de jurisprudence du droit administratif et du Conseil d'Etat* (quarterly).

Institut des Industries de Fermentation—Institut Meurice Chimie: 1 av. Emile Gryson, Anderlecht, Brussels 7; f. 1963; research centre for food and chemical industries; trains biochemists, chemists and dieticians; Dir. G. CHILTZ.

Institut National de l'Industrie Charbonnière (*National Institute of the Coal Industry*): 7 boulevard Frère-Orban, Liège; f. 1947; Pres. A. VANDENHEUVEL; Dir. P. STASSEN; scientific research relating to the coal industry; 18 mems.; publs. *Annales des Mines de Belgique* (French and Flemish) (monthly), *Bulletins techniques* (irregular), *"Mines", Houille et Dérivés, Préparation des Minerais.*

International Law Association (*Belgo-Luxembourg Branch*): 1 Meeus Square, Brussels; f. 1938; Pres. HENRI COCHAUX; Hon. Secs. LUC VAN DIEREN, JEAN RENAULD, ROGER DALCQ, PIERRE VAN OMMESLAGHE.

International P.E.N. Club:

French Branch: 110 Avenue Fond'Roy, Brussels 18; Pres. ROBERT GOFFIN; Gen. Sec. Baron DE RADZITZKY D'OSTROWICK.

Flemish Branch: 225 rue du Progrès, Brussels 1; Gen. Sec. JEF VAN WYNSBERGHE.

Istituto Italiano di Cultura: 38 rue de Livourne, Brussels; Hon. Pres. ALBERTO PINCHERLE; Dir. Prof. AUGUSTO TRAVERSA.

Koninklijke Vlaamse Academie voor Taal- en Letterkunde (*The Royal Flemish Academy of Language and Literature*): Koningsstraat 18, Ghent; f. 1886; Dir. E. P. STEPH. OXTERS; Vice-Dir. R. BRULEZ; Perm. Sec. M. GILLIAMS; 30 mems.; Commissions: Middle Dutch and Dialects, Modern Literature, History of Culture, Education and Dutch Lexicography; library of 35,000 vols.; 6 publs.

Koninklijke Vlaamse Ingenieursvereniging (*Royal Flemish Association of Engineers*): Ingenieurshuis, Jan van Rijswijcklaan 58, Antwerp; f. 1928; Pres. Ir. M. DEBERDT; Sec. Ir. R. F. VAN BOCXSTAELE; 3,000 mems.; publs. *Het Ingenieursblad* (fortnightly), *Huishoudelijke Mededelingen* (fortnightly).

Nationaal Hoger Instituut en Koninklijke Académie voor Schone Kunsten-Antwerpen (*National Higher Institute and Royal Academy of Fine Arts, Antwerp*): Mutsaertstraat 31, Antwerp; f. 1663; Dir. M. MACKEN; Admin. L. REYNAERTS; Scientific Librarian G. PERSOONS.

Société Archéologique: Hotel de Croix, rue Saintraint, Namur; f. 1845; museum and library; approx. 700 mems.; publs. *Annales de la Société Archéologique de Namur, Namurcum.*

Société Astronomique de Liège (*Liège Society of Astronomy*): Liège; f. 1938; Pres. P. TARTE; Sec. CH. SIMAR; brings together amateurs of astronomy, popularises the science; 154 mems.; publ. *Bulletin* (monthly).

Société Belge d'Astronomie, de Météorologie et de Physique du Globe: 3 avenue Circulaire, Uccle, Brussels; f. 1899; Pres. P. BAETSLÉ; 750 mems.; publ. *Ciel et Terre* (every two months).

Société Belge de Biochimie (Belgische Vereniging voor Biochemie): 1 rue des Bonnes Villes, Liège; 384 mems.; Sec. Prof. C. LIÉBECQ.

Société Belge de Biologie: 115 Bld. de Waterloo, Brussels; Sec. Prof. P. E. GREGOIRE.

Société Belge de Géologie, de Paléontologie et d'Hydrologie: 13 rue Jenner, Brussels 4; f. 1887; Pres. J. LEPERSONNE; Sec.-Gen. A. DELMER; 490 mems.; publs. *Bulletin de la Société* (three times a year), *Comptes Rendus de Sessions, Memoirs.*

Société Belge de Médecine Tropicale (*Belgische Vereniging voor tropische Geneeskunde*): 155 rue Nationale, Antwerp; f. 1920; 45 hon. mems. (Belgian and foreign), 16 assoc. mems., 139 titular mems., 330 corresp. mems.; Sec. Prof. A. DUBOIS; publs. *Annales de la Société Belge de Médecine Tropicale* (bi-monthly).

Société Belge de Musicologie (*Belgian Society of Musicology*): 65 rue de la Concorde, Brussels 5; b. 1946; Pres. Ch. VAN DEN BORREN; Sec. A. VAN DER LINDEN; encourages the study and progress of the science and history of music; 150 mems.; publ. *Revue belge de Musicologie* (French and Flemish) (quarterly).

Société Belge de Philosophie (*Belgian Society of Philosophy*): 135 avenue G. Latinis, Brussels; f. 1920; Pres. Ph. DEVAUX; Sec. M. LOREAU; to bring together those people interested in philosophy; 74 mems.

Société Belge de Photogrammetrie (*Belgian Society of Photogrammetry*): 43 rue des Champs Elysées, Brussels; f. 1931; Pres. L. VAN DER RIJT; Sec. L. DELAUNOIS; 300 mems.; publ. *Bulletin* (quarterly).

Société Belge de Radiologie: 54 Bld. de Waterloo, Brussels; f. 1906; Pres. Dr. DESAIVE; Sec. Dr. S. MASY; 400 mems.; publ. *Journal Belge de Radiologie* (every two months).

Société Belge d'Etudes Géographiques (*Belgian Society for Geographical Studies*): Blandynberg, 2 Ghent; f. 1931; Pres. M. A. LEFEVRE; Sec. M. E. DUMONT; centralises and co-ordinates geographical reasearch in Belgium and the Congo; 250 mems.; publ. *Bulletin* (twice a year).

Société Belge d'Ophtalomogie (*Belgian Society of Ophthalmology*): 15 avenue de la Folle Chanson, Brussels; f. 1896; Sec. Prof. APPELMANS; Treas. Prof. P. DANIS; 578 mems.; publ. *Bulletin* (quarterly).

Société Chimique de Belgique: 49 Square Marie-Louise, Brussels 4; f. 1887; Pres. Prof. CLAUDE LIEBECQ; 7 brs. in Belgium; 1,000 mems.; library at 50 avenue Franklin Roosevelt, Brussels; publ. *Bulletin des Sociétés Chimiques de Belgique* (6 issues every year in collaboration with Vlaamse Chemische Vereniging).

Société d'Astronomie d'Anvers (*Antwerp Society of Astronomy*): 1 Leeuw van Vlaanderenstraat, Antwerp; f. 1905; Pres. C. DE BIÈVRE; Sec. Baron R. DE TERWENGNE; dissemination, teaching and aid for the promotion of astronomy; 154 mems.; publs. *Gazette astronomique* (every two months), *Rapport annuel*.

Société de Langue et de Littérature Wallonnes (*Society for Walloon Language and Literature*): Université de Liège, place du XX août, Liège; f. 1856; Pres. L. WARNANT.

Société des Bollandistes: 24 Bld. St. Michel, Brussels 4; f. at Antwerp in 1630, named after Bollandus, who died 1665; Pres. MAURICE COENS, medievalist; its members are Belgian Jesuits engaged in the publication of the *Acta Sanctorum* (a critical history of the Saints, with original sources or documents); the Society also publishes the *Analecta Bollandiana* (quarterly since 1882) and *Subsidia Hagiographica* (Nos. 1-41, 1886-1965).

Société d'Etudes et d'Histoire Sammarinaises: 44 avenue Brugmann, Brussels; f. 1937; Pres. DR. JUR. EMMANUEL NOEL; Sec. GEORGES J. MICHAUX; has made a study of the history and institutions of the ancient Republic of San Marino, which dates from the 4th century.

Société d'Etudes Latines de Bruxelles (*Brussels Society for Latin Studies*): 61 avenue Laure, Brussels-Berchem; f. 1937; Pres. L. HERRMANN and M. RENARD; Sec. J. PRÉAUX; Admin. L. BAKELANTS; 430 mems.; publ. *Latomus* (quarterly), *Collection Latomus*.

Société d'Histoire des Droits de l'Antiquité (*Society for the History of Early Law*): 157 avenue Winston Churchill, Brussels; f. 1942; Pres. F. DE VISSCHER; Sec. Mlle M.-Th. LENGER; organises annual international conferences in different countries; 320 mems.; publ. *Revue internationale des Droits de l'Antiquité* (annual).

Société Géologique de Belgique (*Belgian Geological Society*): Université de Liège, 7 Place du XX août, Liège; f. 1874; Pres. P. DE BETHUNE; Sec. G. UBAGHS; 528 mems.; publs. *Annales de la Société Géologique de Belgique* (Bulletin and memoirs) (monthly), *Mémoires in-4°* (irregular).

Société Mathématique de Belgique: 317 Avenue Ch. Woeste, Brussels 9; f. 1921; Secs. ALFRED PIRON, GUY HIRSCH; 430 mems.; publ. *Bulletin*.

Société Philosophique de Louvain: 2 place Cardinal Mercier, Louvain; f. 1888; Pres. L. DE RAEYMAEKER; Vice-Pres. AUG. MANSION; Sec. JOS. DOPP; 130 mems.; publs. *Revue Philosophique de Louvain* and *Répertoire Bibliographique de la Philosophie*.

Société Royale d'Archéologie de Bruxelles: Musée de la Porte de Hal, Brussels; f. 1887; sections for archæology proper, and the history of art; other collections in Musées Royaux d'Art et d'Histoire; Pres. Lt.-Gen. DE GREEF; Sec.-Gen. Comte J. DE BORCHGRAVE D'ALTENA; Librarian M. R. LAURENT; 20,000 vols.; 1,700 mems.; publs. *Bulletins*, *Annales*.

Société Royale d'Archéologie et de Paléontologie (*Royal Society of Archaeology and Palæontology*): 12 boulevard Jacques Bostrand, Charleroi; f. 1863; Pres. Baron CARLO HENIN; Sec. S. BRIGODE; 300 mems.; publs. *Bulletin* (quarterly), *Documents et Rapports* (every four years).

Société Royale Belge d'Anthropologie et de Préhistoire: 31 rue Vautier, Brussels; f. 1882; Pres. J. VERHEYLEWEGEN; 176 mems.; publ. *Bulletin de la Société Royale Belge d'Anthropologie et de Préhistoire*.

Société Royale Belge de Géographie: Institut de géographie, 87 Ave. A. Buyl, Brussels 5; f. 1876; Hon. Pres. H.M. KING BAUDOUIN; Pres. R. E. DE SMET; Sec.-Gen. J. ANNAERT; publ. *Revue Belge de Géographie*.

Société Royale Belge des Electriciens: 3 rue Ravenstein, Brussels 1; f. 1884; Pres. L. BRAEM; 1,300 mems.; publ. *Bulletin de la Société Royale Belge des Electriciens* (quarterly), *Revue E*.

Société Royale Belge des Ingénieurs et des Industriels: 3 Ravenstein, Brussels 1; f. 1885; Pres. R. BERTRAND; Sec. E. HIANNÉ; 4,613 mems.; publs. *Revue*, *Bulletin Hebdomadaire*.

Société Royale de Botanique de Belgique: 236 rue Royale, Brussels; f. 1862; Pres. J. MATON; Sec. J. LÉONARD; 300 mems.; publ. *Bulletin* (half-yearly) and *Memoirs*.

Société Royale d'Economie Politique de Belgique (*Royal Belgian Society of Political Economy*): Manoir St.-Hubert, Vossem, Brussels; f. 1855; Pres. F. A. SMETS; Sec.-Gen. M. LAGASSE DE LOCHT; for popularisation and progress in political economy; 750 mems.; publ. *Comptes rendus des travaux* (eight times a year).

Société Royale de Géographie d'Anvers (*Antwerp Royal Geographical Society*): 285 Antwerpsestraat, Mortsel-Antwerpen; f. 1876; Pres. M. BAELDE; Sec.-Gen. E. DEBY; 240 mems.; publ. *Bulletin de la Société Royale de Géographie d'Anvers* (annual).

Société Royale d'Entomologie de Belgique: 31 rue Vautier, Brussels 4; f. 1855; Sec. FRANS FRANÇOIS, 180 mems.; publs. *Bulletin et Annales de la Société Royale d'Entomologie de Belgique*, *Mémoires de la Société Royale-d'Entomologie de Belgique*, *Catalogue des Coléoptères de Belgique*.

Société Royale de Numismatique de Belgique: 5 rue du Musée, Brussels; f. 1842; Pres. Dr. P. NASTER; Sec. F. BAILLION; 50 full mems., 15 hon. mems., 100 foreign corr. mems., 100 national corresponding mems.; publ. *Revue Belge de Numismatique et de Sigillographie*.

Société Royale des Beaux-Arts: 25 avenue Jef. Lambeaux, Brussels; f. 1893; Pres. Baron ALBERT HOUTART; Vice-Pres. PIERRE BAUTIER, VICTOR ROUSSEAU; Sec. P. P. HAMESSE; Treas. J. PHILIPPSON; organises exhibitions of paintings, sculpture and engravings in Brussels; publ. exhibition catalogues.

Société Royale des Sciences (*Royal Society of Sciences*): 7 place du XX août, Liège; f. 1835; Pres. O. ROZET; Sec.-Gen. H. SAUVENIER; advancement of mathematical, physical, chemical, mineral and biological sciences; 169 mems.; publs. *Bulletin* (every two months), *Mémoires* (annual).

Société Royale des Sciences Médicales et Naturelles de Bruxelles: 115 Bd. de Waterloo, Brussels; f. 1822; Sec. Prof. Dr. J. J. REUSE; 150 mems.; publ. *Annales de la Société Royale des Sciences Médicales et Naturelles de Bruxelles* (quarterly).

Société Royale de Zoologie d'Anvers (*Antwerp Royal Zoological Society*): 26 Koningin Astridplein, Antwerp; f. 1843; Dir. W. VAN DEN BERGH; 7,618 mems.; publs. *Zoo* (quarterly, French and Dutch), *Bulletin scientifique* (irregular).

Société Royale d'Histoire et d'Archéologie (*Royal Society of History and Archaeology*): 2c rue Joseph Hoyois, Tournai; f. 1845; Pres. L. FOUREZ; study of the history of archaeology and art from Tournai; publ. *Annales*.

Société Royale Zoologique de Belgique: 50 avenue F. D. Roosevelt, Brussels; f. 1863; Pres. J. J. PASTEELS; Sec. R. RASMONT; publ. *Annales*.

Union Royale Belge pour le Congo et Les Pays D'Outremer (formerly Royale Union Coloniale Belge): 34 rue de Stassart, Brussels; f. 1912; Chair. ALFRED MOELLER DE LADDERSOUS; Gen. Sec. LÉON MOREL; 200 mems.; publ. *Bulletin* (monthly).

U.S. Cultural Center: 217 avenue Louise, Brussels.

Vereniging der Antwerpse Bibliofielen (*Antwerp Association of Bibliophiles*): Museum Plantin-Moretus, Vrijdagmarkt 22, Antwerp; f. 1877; Pres. R. DE BOCK, L. BAEKELMANS; Sec. Mrs. L. DE PAUW DE VEEN; to increase knowledge of books, particularly in Belgium and the Netherlands; 150 mems.; publ. *De Gulden Passer* (annual).

Vlaamse Chemische Vereniging (*Flemish Chemistry Association*): 49 Maria-Louiza Square, Brussels; f. 1939; Pres. R. LONTIE; Vice-Pres. H. WACHSMUTH; Sec. J. K. VAN LAERE; Treas. G. PEETERS; 1,000 mems.; publs. *Mededelingen* (every two months), *Bulletin des Sociétés Chimiques Belges* (every two months).

RESEARCH INSTITUTES

Centre d'Etude de l'Energie Nucléaire (C.E.N.): Head Office: 144 Avenue Eugène Plasky, Brussels 4; Laboratories: Mol, Donk; f. 1952; conducts fundamental and applied research; runs three reactors, two critical assemblies and specialised laboratories; employs about 1,200 people; Chair. of Board of Dirs. Gen. G. LETOR; Gen. Man. J. GOENS.

Centre de Recherches Agronomiques de l'Etat: Gembloux; f. 1872; Dir. A. LECRENIER; 46 mems.; publs. *Bulletin, Revue de l'Agriculture*; comprises 12 autonomous research stations.

1. **Station de Chimie et de Physique agricoles:** Dir. G. DROEVEN.
2. **Station Laitière:** Dir. E. PIRAUX.
3. **Station de Phytopathologie:** Dir. R. VANDERWALLE.
4. **Station d'Entomologie:** Dir. W. VAN DEN BRUEL.
5. **Station de Génie Rural:** Dir. CH. DRICOT.
6. **Station de Recherches pour l'Amélioration des Plantes de grande culture:** Dir. L. NOULARD.
7. **Laboratoire Forestier:** Dir. J. FOUARGE.
8. **Station de Recherches pour l'Amélioration de la Pomme de Terre:** Dir. N. RIGOT.
9. **Station de Phytopharmacie:** Dir. E. TILEMANS.
10. **Station de Recherches pour l'Amélioration des Plantes fruitières et maraichères:** Dir. (vacant).
11. **Station de Recherches Zootechniques:** Dir. L. HENNAUX.
12. **Station de Phytotechnie:** Dir. L. LACROIX.

Ecole d'Administration (Ministère des Affaires Etrangères et du Commerce Extérieur): 183-185 avenue Louise, Brussels 5; the School provides free training for candidates preparing for posts in Africa; library collections of books and documents on the overseas territories; Dir. VAN DE VELDE, J.J., Avenue Franklin Roosevelt, 112, Brussels 5.

Institut des Parcs Nationaux du Congo et du Rwanda: 1 rue Defacqz, Brussels 5; f. 1934; to protect national parks and flora and fauna of the Congo and of Rwanda; Pres. M. MAQUET (acting).

Institut de Sociologie (attached to University of Brussels): Parc Léopold, rue Belliard, Brussels; f. 1902 by Ernest Solvay; Dir. Prof. A. DOUCY; library of more than 65,000 vols.; publs. *Revue de l'Institut de Sociologie* (quarterly), *Cahiers Economiques de Bruxelles* (quarterly), *Cahiers du Centre de mathématique et de statistique appliquées aux sciences sociales* (twice a year), *Revue du centre du Sud-Est asiatique* (quarterly), *L'année Sociale en Belgique* (annual), *Indicateur économique Hebdomadaire* (weekly).

Institut National de Statistique: 44 rue de Louvain, Brussels; Dir.-Gen. A. DUFRASNE.

Institut Pasteur de Bruxelles: 28 rue du Remorqueur, Brussels; Dir. P. BORDET; scientific research, preparation of serums and vaccines, analyses.

Institut pour l'Encouragement de la Recherche Scientifique dans l'Industrie et l'Agriculture (I.R.S.I.A.): 6 rue de Crayer, Brussels 5; f. 1944; promotes and encourages, by means of subsidies, scientific and technical research in industry and agriculture; Pres. P. COLLIN; Dir. LOUIS HENRY; Sec.-Gen. M. C. THEYS; publ. *Annual Report.*

Institut pour la Recherche Scientifique en Afrique Centrale (I.R.S.A.C.) (*Institute for Scientific Research in Central Africa*): 1 rue Defacqz, Brussels 5 and Lwira Bukavu (Congo); f. 1947 to conduct scientific research in Central Africa, with special reference to the Congo; the principal fields of research investigation are in biology, physics and human sciences; there are five research centres in Africa at: Lwiro (Congo), Uvira (Lake Tanganyika), Mabali (Lake Tumba), and Elisabethville (Katanga); Sec.-Gen. L. SOYER; Dir. Dr. U. RAHM; publs. *Rapport Annuel, Folia Scientifica Africae Centralis* (quarterly review), *Bulletin des Stations séismologiques de l'I.R.A.S.C., Bulletin de la Station ionosphérique, Observations radio-électriques de la station de Radio-astronomie.*

Institut Royal des Relations Internationales: 88 avenue de la Couronne, Brussels 5; f. 1947; Hon. Pres. Prof. CHARLES DE VISSCHER (Louvain and Ghent Univs., former Judge of the International Court of Justice); Pres. Prof. FERNAND VAN LANGENHOVE (former ambassador); Treas. Prof. PIERRE ANSIAUX (Brussels Univ.); Dir. Prof. EMMANUEL COPPIETERS, DR.ECON., DR.JUR., M.SC.(ECON.); research in international relations, international economics, international law and international politics; specialised library containing 10,000 vols. and 250 periodicals; archives and Press cuttings; lectures and conferences are held; publs. *Chronique de Politique Etrangère* (bi-monthly), *Internationale Spectator* (semi-monthly), *La Belgique et les Nations Unies, La Crise du Système de Sécurité collective des Nations Unies 1946-47, La Belgique et l'aide economique aux pays sous-développés, La Crise Congolaise, Consciences Tribales et Nationales en Africa Noire, Le rôle proéminent du Secrétaire Général dans l'opération des Nations Unies au Congo, Les Conséquences d'ordre interne de la participation de la Belgique aux Organisations internationales.*

Institut Royal des Sciences Naturelles de Belgique: 31 rue Vautier, Brussels; f. 1842.

Director: Dr. A. CAPART.

Treasurer and Secretary: G. VAN PUT.

Curators: Dr. E. LELOUP, Dr. F. STOCKMANS, Dr. M. LECOMPTE, Dr. M. GLIBERT, Dr. F. TWIESSELMANN, Dr. R. VAN TASSEL, A. COLLART, Dr. E. CASIER, Dr. W. ADAM.

HEADS OF DEPARTMENTS:

Anthropology and Prehistory: Dr. F. TWIESSELMANN.
Modern Vertebrates: Dr. X. MISONNE.
Modern Invertebrates: Dr. E. LELOUP.

Entomology: A. Collart.
Fossilised Vertebrates: Dr. E. Casier.
Primary Invertebrates: Dr. M. Lecompte.
Secondary and Tertiary Invertebrates: Dr. M. Glibert.
Palæobotany: Dr. F. Stockmans.
Mineralogy and Petrography: Dr. R. Van Tassel.
Documentation and Education: Dr. J. G. de Brouwere.

Publications: (1) *Mémoires del 'Institut royal des Sciences naturelles de Belgique* (2 series); (2) *Bulletin de l'Institut royal des Sciencesnaturelles de Belgique.*

Institut Royal Météorologique de Belgique: avenue Circulaire 3, Uccle, Brussels 18; reorganised 1913; Dir. Prof. Dr. J. van Mieghem; departments for meteorology, aerology, terrestrial magnetism, radiation, geophysical problems, climatology and atmospheric electricity; mems.: scientific 23, assistants 46, technical 12; publs. *Publications de l'I.R.M., Contributions, Bulletin Mensuel de l'I.R.M., Observations du réseau synoptique et aérologique belge, Bulletin Quotidien du Temps, Observations ionosphériques de la Station de Dourbes.*

Jardin Botanique de l'Etat: 236 rue Royale, Brussels; f. 1870; herbarium with 1,500,000 specimens; library of 180,000 vols.; Dir. Dr. Prof. W. Robyns; publs. *Bulletin du Jardin Botanique de l'Etat, Flore Générale de Belgique, Flore Iconographique des Champignons du Congo, Flore du Congo Belge et du Ruandi-Urundi* (in collaboration with I.N.E.A.C.).

Observatoire Royal de Belgique: avenue Circulaire 3, Uccle, Brussels; f. 1827; Dir. Prof. A. G. Velghe; astronomy, radioastronomy, geodynamics; mems.: scientific 18, technical 15; publs. *Annuaire, Bulletin Astronomique, Annales, Communications, Monographies, Bulletin séismique, Bulletin d'Observations des Marées Terrestres.*

LIBRARIES AND ARCHIVES

Antwerp

Archief en Museum voor het Vlaamse Cultuurleven (*Archives and Museum of Flemish Culture*): Minderbroedersstraat 22, Antwerp; f. 1933; Dir. G. Schmook; Sec. D. E. Willekens; files and manuscripts can be seen on application; 32,500 vols., 22,000 files, 22,291 iconogr.; publ. *Mededelingen van de Documentatiedienst.*

Archives de l'Etat à Anvers: Door Verstraete pl. 5, Antwerp; Archivist A. Bousse; documents from 12th to 20th century.

Bibliotheek van het Kon. Vlaams Conservatorium: St. Jacobsmarkt 11, Antwerp; f. 1874; Scientific Librarian Prof. Dr. P. Nuten; Asst. Librarian G. de Roover; 80,500 musical works in library; an official report appears each year.

Bibliothèque de l'Institut Supérieur de Commerce de l'Etat: 41 rue des Peintres, Antwerp; 30,000 vols.; Librarian Mrs. Van Hoeck.

Bibliothèque de l'Institut Universitaire des Territoires d'Outre-Mer: 1 avenue Middelheim, Antwerp; 25,500 vols.; Librarian E. D'Orjo de Marchovelette.

Library of the National Higher Institute and Royal Academy of Fine Arts: Mutsaertstraat 31, Antwerp; f. 1663; 20,000 vols. and prints, 250 periodicals, etc.; Scientific Librarian G. Persoons; (this is also the library of the National Higher Institute of Architecture and Town Planning).

Stadsarchief (Archives de la Ville): Venusstraat 11, Antwerp; f. 12th century; Archivist Prof. Dr. Jan van Roey; documents concerning the administration of the town of Antwerp; history, economic history and history of arts of the town of Antwerp; genealogy, heraldry, cartography, sigillography; specialised library of 6,000 vols., 243 periodicals.

Stadsbibliotheek: Hendrik Conscienceplein 4, Antwerp; f. 1487, reorganised 1834; open to the public; 650,000 vols.; Librarian Dr. E. Willekens.

Arlon

Archives de l'Etat à Arlon: Hôtel du Gouvernement Provincial; Archivist M. Bourguignon; documents concerning the Province of Luxembourg from 11th to 20th century.

Bruges

Archives de l'Etat à Bruges: 14 rue de l'Académie; Archivist J. Marechal; Scientific Collaborators L. Danhieux, J. Mertens; documents on Western Flanders from 11th to 20th century.

Brussels

Archives de la Commission d'Assistance Publique de Bruxelles: 298a rue Haute, Brussels; Archivist Mme A. M. Bonenfant-Feytmans; archives concerning ancient hospices and places of refuge, 12th century to 1803, 1803–1925; approx. 10,000 archives; 5,000 vols.

Archives de la Guerre: 17 Place de la Vaillance, Brussels; f. 1919; attached to Archives Générales du Royaume 1928; Archivist P. Hospel; archives concerning World Wars I and II; 25,000 files; also 28,000 vols. and papers; maps, photographs, collections of currency, medals, etc.; open to the public on application.

Archives de la Ville de Bruxelles: Hôtel de Ville, 2e étage, Grand-Place à Bruxelles; Archivist for Brussels Mina Martens; 7 mems.; collection includes Charles Pergameni historical archives (1943); publ. *Cahiers Bruxellois.*

Archives Générales du Royaume: 78 Galerie Ravenstein, Brussels; f. 1794; Archivist E. Sabbe; 350,000 documents concerning the Low Countries, Belgium and Brabant from 11th-20th centuries; library of 25,000 vols.

Bibliothèque Royale de Belgique (*The Belgian National Library*): 4 boulevard de l'Empereur, Brussels 1; f. 1837; 2,260,000 vols., 13,500 periodicals; 34,500 MSS., 35,650 rare and precious printed books, 668,250 prints, 39,650 maps; 160,100 coins and medals; Dir. Herman Leibaers; publs. *Bibliographie de Belgique,* various catalogues of collections and exhibitions, etc.

Bibliothèque Centrale du Ministère de l'Instruction Publique: 27 rue de Louvain, Brussels; f. 1879; contains vols. on administration and law, all branches of science and pedagogy, educational books; 265,000 vols., 1,000 periodicals; list of new vols. published every six months; open only to mems. of the Ministère de l'Instruction; Librarian Marcel Maes.

Bibliothèque de l'Académie Royale de Médecine de Belgique and **Bibliotheek van het Kon. Vlaamse Academie voor Geneeskunde van België:** Palais des Académies, rue Ducale, Brussels; 200,000 vols.; Librarians A. Fourez and Dr. M. Cordemans.

Bibliothèque de l'Académie Royale des Beaux-Arts, de l'Ecole des Arts Décoratifs et Ecole Supérieure d'Architecture: 144 rue du Midi, Brussels; 17,175 vols.; Librarian José Galmache.

Bibliothèque de l'Ecole Nationale Supérieure d'Architecture et des Arts Décoratifs: Fondation I. Errera, 21 abbaye de la Cambre, Brussels; f. 1918; 30,000 vols.; Librarian Pierre François.

Bibliothèque de l'Institut National pour l'Etude Agronomique du Congo: 1 Rue Defacqz, Brussels, 5; the library and documentation centre stay provisionally in Brussels, but the main centres of the Institute are in Léopoldville and Usumbura—*see* the chapters on Burundi and Congo (Léopoldville).

Bibliothèque de l'Institut Royal des Sciences Naturelles de Belgique: 31 rue Vautier, Brussels; 600,000 vols, 5,000 periodicals; Dir. J.-G. DE BROUWERE.

Bibliothèque de l'Université Libre de Bruxelles: 50 avenue Franklin D. Roosevelt, Brussels; f. 1846; books: 750,000 vols., periodicals: 310,000 vols., etc.; Librarian PAUL DELSEMME.

Bibliothèque des Bollandistes: 24 boulevard St. Michel, Brussels 4; 330,000 vols., 810 MSS., 600 periodicals; Chief Librarian F. HALKIN.

Bibliothèque, Documentation, Publications du Ministère de l'Emploi et du Travail: 2 rue Lambermont, Brussels; f. 1896 (since the foundation of the Office of Labour); Chef de Service Mme. FANNY PETITJEAN; specialised library of 45,000 vols., 1,400 periodicals on sociology and social sciences; publs. *Revue du Travail* (monthly), *Bulletin bibliographique* (monthly), *Co-ordination Officieuse de la Législation Sociale Belge*, etc.

Bibliothèque du Parlement: Palais de la Nation, 2 place de la Nation, Brussels; f. 1831; Librarian HÉLÈNE DENIS-BOHY; *ca.* 300,000 vols., 2,000 periodicals; list of new vols. published monthly; list of bibliographical documentation published fortnightly.

Bibliothèque Fonds Quetelet (*Library of the Ministry of Economic Affairs*): 6 rue de l'Industrie, Brussels; f. 1841; 500,000 vols. on statistics, economic and social affairs, 4,800 periodicals; Chief Librarian A. J. R. PHILIGS; open to the public; publ. *Accroissements de la Bibliothèque Centrale* (monthly).

Centre de Documentation Economique et Sociale Africaine "CEDESA" (*Centre for African Economic and Social Documentation*): 42 rue du Commerce, Brussels 4; f. 1957; Pres. P. STANER; Vice-Pres. J. FRENKIEL, J. P. HARROY, R. TRAVERNIER; Sec.-Gen. J.-B. CUYVERS; co-ordination of economic and social documentation concerning Africa, especially Congo Democratic Republic, to facilitate research; 45 mems.; publs. *Bibliographical enquiries.*

Deutsche Bibliothek: 66 rue Royale; f. 1962; Dir. E. PLINKE.

Gembloux

Bibliothèque de l'Institut Agronomique de l'Etat: Gembloux; approx. 68,000 vols.; Librarian Mme. L. WILLAM-ENGELS.

Ghent

Archives de l'Etat à Gand: Château de Gérard le Diable; Archivist J. BUNTINX; documents mainly concerning Eastern Flanders from 9th to 20th century.

Bibliotheek der Universiteit: Ghent; f. 1817; 1,500,000 vols., 5,060 MSS.; open to the public; Librarian K. G. VAN ACKER; publs. *Mededelingen*, etc.

Bibliotheek van de Rijkslandbouwhogeschool (*Library of the State Agricultural University*): Coupure Links 235, Ghent; 45,000 vols.; Curator Dr. G. GENIE.

Liège

Archives de l'Etat à Liège: 8 rue Pouplin; Archivist G. HANSOTTE; documents concerning the Liège district from 9th to 20th century.

Bibliothèque Centrale de la Ville de Liège: rue des Chiroux 3, f. 1907; general library, history of Liège; approx. 225,000 vols.; Librarian MAXIMILIEN DUTILLEUX.

Bibliothèque de l'Institut Archéologique Liégeois: Musée Curtius, 13 quai de Maastricht; 27,000 vols. (mostly periodicals); Librarian M. YANS.

Bibliothèque de l'Université: 1 Place Cockerill, f. 1817; 1,250,000 vols. and pamphlets, 5,321 MSS., 5,373 coins, 35,000 engravings and ex-libris; 69 Flemish and Italian paintings of the 14th and 15th centuries; collection of Congolese art and craft; open to the public; Librarian Mme Dr. JEANNE GOBEAUX-THONET; publ. *Bibliotheca Universitatis Leodiensis.*

Louvain

Bibliothèque de l'Université Catholique de Louvain: Place Mgr. Ladeuze; f. 1425; 980,000 vols.; Librarian Chanoine E. MASSAUX.

Bibliothèque de l'Institut des Sciences Economiques Appliquées de l'Université Catholique de Louvain: 2 rue des Doyens; f. 1896; 40,000 vols., 350 current periodicals.

Malines

Archief en Stadsbibliotheek: Steenweg 1, Malines; f. 1684; Archivist R. DE ROO; the library of the Great Council of the Netherlands; 78,900 vols.; publ. *Inventaire des Archives de la ville de Malines* (12 vols.), *Catalogue méthodique de la Bibliothèque de Malines* (1 vol.).

Archives de l'Archevêché: Archevêché de Malines, Malines; f. 1825; Archivist Canon R. TAMBUYSER; archives from 13th to 20th century; some MSS. and approx. 900 books; also 1,200 files containing documents, 75,000 photographs, iconographs, souvenirs, etc.

Maredsous

Bibliothèque de l'Abbaye de Saint-Benoit: Maredsous (par Maredret-Sosoye); f. 1872; books of learning, especially history and theology; 150,000 vols., 35,000 brochures; Chief Librarian DOM THOMAS DELFORGE (Lic. in Theology); publs. *Revue Bénédictine, Bible et Vie chrétienne.*

Mons

Archives de l'Etat: 23 Place du Parc, Mons, Hainaut; Keeper ARMAND LOUANT; archives date from 10th century to present day; library attached contains 25,000 vols.; the buildings were badly damaged during the war and many records lost; at present there is rebuilding and the archives are being added to; the archives of the town of Mons are intact; there are also archives from the Abbeys of Hainaut, Bonne-Espérance etc., and from the Archbishopric of Tournai.

Bibliothèque de la Faculté Polytechnique de Mons: rue de Houdain, Mons; f. 1837; 22,000 vols.; Librarian M. LELANGUE.

Bibliothèque Publique de Mons: 2 rue Marguerite Bervoets Mons; f. 1797; rare and early editions, MSS., reference and lending and children's sections; 250,000 vols., 500 MSS., 150 incunabula, periodicals, maps and local newspapers; Curator CHRISTIANE PIERARD; Librarian RAYMONDE VANDEBORGHT.

Namur

Archives de l'Etat à Namur: 45 rue d'Arquet; Archivist J. BOVESSE; documents concerning the County and Province of Namur from the 9th to 20th centuries.

Bibliothèque des Facultés Universitaires Notre Dame de la Paix: 61 rue de Bruxelles, Namur; history of Western Europe, classical and Roman philology, art; 270,000 vols.; Chief Librarian A. GHÉQUIÈRE.

Ypres

Stadsbibliotheek (*Public Library*): St. Janstraat 7, Ypres; f. 1840; specialises in books on local history; 35,000 vols.; approx. 60 periodicals published; Librarian MUS OCTAAF.

MUSEUMS

Antwerp

Koninklijk Museum voor Schone Kunsten (*Royal Museum of Fine Arts*): Place Léopold de Wael, Antwerp; f. 1810; Curator-in-Chief Dr. W. VANBESELAERE; Curator Dr. G. GEPTS-BUYSAERT; Assistant Curator Dr. A. MONBALLIEU; Librarian L. WUYTS; Sec. N. SEGERS; collections include works of Van Eyck, Van der Weyden, Memling, Massys, Fouquet, Rubens, Van Dijck, Jordaens, Rembrandt, Frans Hals; works of Belgian artists of 19th and 20th centuries; important works of De Braekeleer, Ensor, Wouters, Permeke; about 100,000 vols.; publs. *Jaarboek van het Koninklijk Museum voor Schone Kunsten, Antwerpen* (annual), *Annual Report* and catalogues.

Kunsthistorische Musea (*Art History Museums*): Rubensstraat 9; Curator FRANS BAUDOUIN.

Museum Mayer van den Bergh: Lange Gasthuisstraat 19; f. 1904; unique collection of paintings, including Bruegel, Quinten Metsys, Broederlam, de Vos, Van Cleve, and medieval sculpture, ivories, etc.; the collections are under the custody of a Board of Regents; Sec. JOZ DE COO.

Museum Smidt van Gelder: Belgiëlei 91; f. 1950; famous collection of Chinese and European porcelains, Dutch 17th-century paintings, and of 18th-century French furniture; Chief Asst. Mrs. HÉLÈNE BALLINGS.

Openluchtmuseum voor Beeldhouwkunst (Middelheim) (*Open-air Museum of Sculpture*): Middelheimlaan; f. 1950; important collection of contemporary sculpture, including Rodin, Maillol, Zadkine, Marini, Manzu, Gargallo, Moore, exhibited in a large garden; biennial exhibitions devoted to modern sculpture; Chief Asst. Mrs. MARIE-ROSE BENTEIN.

Rubenshuis (*Rubens' House*): Rubensstraat 9; f. 1946; reconstruction of Rubens' house and studio; original 17th-century portico and pavilion; paintings by P. P. Rubens, his collaborators and pupils; 17th-century furnishings; librarian RENÉ PANDELAERS; Chief Asst. GUSTAAF DE LANDTSHEER.

Museum Plantin-Moretus: Vrijdagmarkt 22, Antwerp; f. 1876; Curator Dr. L. VOET; famous printing of the 16th and 17th century; ancient printing office and foundry, engravings on copper and wood; drawings and pictures; illuminated MSS., library of 40,000 books of the 15th to 18th centuries, archives; publ. *De Gulden Passer* (quarterly).

Oudheidkundige Musea (*Archaeological Museums*): Office: Museum Vleeshuis, Vleeshouwersstraat 38; Curator FRANS SMEKENS.

Museum Vleeshuis: Vleeshouwersstraat 38; f. 1913; Asst. Curator Mrs. J. LAMBRECHTS-DOUILLEZ; prehistorical finds, local history, Egyptian, Greek and Roman antiquities, numismatics, sculpture, applied art, furniture, arms, musical instruments.

Museum Brouwershuis: Adriaan Brouwerstraat 20; f. 1933; Asst. Curator Mrs. J. LAMBRECHTS-DOUILLEZ; 16th-century installations for water-supply to breweries, rich council chamber.

Nationaal Scheepvaartmuseum (Steen): Steenplaats 1; f. 1952; Asst. Chief-of-Service J. VAN BEYLEN; maritime history, especially concerning Belgium.

Volkskundemuseum: Gildekamersstraat 2-6; f. 1907; Asst. Curator W. VAN NESPEN; folk-lore of the Flemish provinces, especially folk art and craft.

Etnografisch Museum: Gildekamersstraat 2-6; Asst. Curator A. G. CLAERHOUT; arts and crafts of primitive and non-European people.

Stedelijk Prentenkabinet—Cabinet des Estampes de la Ville: Vrijdagmarkt 23, Antwerp; f. 1938; Keeper Dr. L. VOET; 7,000 vols. in library; ancient and modern collections of prints and drawings.

Bouillon

Le Musée Ducal "Les Amis du Vieux Bouillon": Bouillon; f. 1947; Curator Dr. CLÉMENT; Sec. Mme CLÉMENT-BODARD; Librarian PIERRE CLOUET; archives, historical manuscripts and documents; archaeology, folklore; exhibition of the history of Godefroy de Bouillon; small library.

Bruges

Groeninge Museum (*Municipal Art Gallery*): Bruges; new buildings completed in 1930; air-conditioned 1956; masterpieces by Jan van Eyck, Hieronymus Bosch, Hugo van der Goes, Hans Memling, Gérard David, etc.; also ancient paintings.

Musée Brangwyn: Dijver 16; contains an extremely rich collection of oil paintings, water-colours, etchings, etc., by Frank Brangwyn; Dir. of Art and Culture Dr. A. JANSSENS DE BISTHOVEN.

Musée de l'Hospice de la Poterie: quai de la Poterie, Bruges; f. 1847; priceless church ornaments, furniture, paintings, 16th-century tapestry, etc.

Musée Gruuthuse: Dyver 17, Bruges; f. 1864; municipal archæological collection; furniture, jewellery, paintings, porcelain, folklore, Liedts collection of lace, etc.

Brussels

Musée des Beaux-Arts d'Ixelles: rue Jean Van Volsem 71, Ixelles, Brussels 5; f. 1892; Curator J. C. COQUELET; ancient and modern masters, water-colours, drawings, engravings, sculptures, etc.; works of the Belgian and foreign schools; 3,500 vols. (bibliography).

Musée Royal de l'Armée et d'Histoire Militaire: Palais du Cinquantenaire, Brussels; f. 1910; Chief Curator Dr. J. R. LECONTE; collection includes military history of Belgium from 18th century onwards; arms, uniforms, decorations, paintings, sculpture, maps, library and archives.

Musée Royal de l'Afrique Centrale: Chaussée de Louvain 13, Tervuren, near Brussels; f. 1897; Dir. L. CAHEN; very rich collections in the fields of pre-history, ethnography, native arts and crafts; geology, mineralogy, palæontology; zoology (entomology, ornithology, mammals, reptiles, etc.); history, economics; library of 75,000 vols.; 19 scientific staff; publs. *Annales du Musée Royal de l'Afrique Centrale* (series in 4to and in 8vo); and miscellaneous publications.

Musées Royaux d'Art et d'Histoire: 10 Parc du Cinquantenaire, Brussels; f. 1835; Chief Curator P. GILBERT; Admin. G. H. DUMONT; Curators; Egyptian Dept. C. DE WIT; Islamic Art A. MEKHITARIAN; Greek and Roman J. CH. BALTY; Armoury and Industrial Art AD. JANSEN; Early Americana, Orientalia J. B. VERBESSELT.

Musées Royaux des Beaux-Arts de Belgique: rue du Musée 9, Brussels; f. 1830; Dir. PHILIPPE ROBERTS-JONES; Brussels, medieval, Renaissance and modern pictures and sculpture; publ. *Bulletin des Musées Royaux des Beaux-Arts.*

Musée d'Art Ancien: rue de la Régence 3, Brussels. paintings and drawings (15th-18th century) and old and modern sculpture.

Musée d'Art Moderne: Place Royale, 1, Brussels; paintings, drawings and sculpture (19th-20th century).

Musée Wiertz: rue Vautier 62, Brussels; paintings of Antoine Wiertz.

Ghent

Musée d'Archéologie de la Byloke: Godshuizenlaan 2, Ghent; Curator Dr. A. DE SCHRYVER.

Musée des Beaux-Arts: Parc de la Citadelle, Ghent; f. 1902; Curator PAUL ECKHOUT; contains ancient and modern paintings, sculptures, tapestries, drawings and etchings; library; publishes catalogues.

Liège

Musées d'archéologie et des arts décoratifs de la Ville de Liège: Curator Prof. Dr. JOSEPH PHILIPPE.

Musée Curtius: 13 quai de Maastricht, Liège; f. 1909; chief sections: prehistory, Romano-Belgian and Frankish, Liège coins, decorative arts (from the Middle Ages to the 19th century); Annexes: Roman Hypocaust, Place Saint-Lambert, Liège; lapidary collection in Palais de Justice; the museum is the headquarters of the Archæological Commission of the town of Liège, of the Archæological Institute of Liège, and of the Practical School of Regional History and Archæology.

Musée d'Ansembourg: 114 Féronstrée, Liège; f. 1905; collections of 18th-century decorative arts of Liège; re-constituted interiors.

Musée du Verre: 13 quai de Maastricht, Liège; f. 1959; all the main centres of production, from the earliest times to the twentieth century, are represented. Headquarters of the "Secrétariat général permanent des Journées internationales du Verre", and of the Secretariat of ICOM, sub-section for Musées et Collections du Verre; publs. *Annales, Bulletin.*

Musée des Beaux-Arts: rue de l'Académie 34, Liège; f. 1819; 1,655 ancient and modern paintings and abstracts of the Belgian School and French masters from Ingres to Picasso; 100 pieces of ancient and modern sculpture; 13 galleries; Curator LÉON KOENIG.

Musée de l'Art Walloon: 3 parc de la Boverie, Liège; f. 1951; 590 ancient and modern paintings of the Walloon School; 145 ancient and modern pieces of sculpture; print room with 20,000 engravings; Curator LÉON KOENIG.

Salle Wittert: 1 Place Cockerill, Bibliothèque de l'Université, Liège: 30,000 prints, 51 paintings of 15th and 16th centuries; open to public; Curator Mme. Dr. JEANNE GOBEAUX-THONET.

Malines

Stadsmuseum: Hof van Busleyden-Fred. de Merodestraat, Malines; f. 1844; Acting Curator M. KOCKEN; local museum; paintings, sculptures, etc.

Mariemont

Musée et Domaine de Mariemont: Morlanwelz, Mariemont; f. 1922; Curator Mme G. FAIDER-FEYTMANS; contains antiquities from Greece, Rome, India, China, Japan, Egypt; porcelain from Tournai; bookbindings; archaeology; library of 55,000 vols.

Verviers

Musées Communaux: Beaux Arts: rue Renier 17, Verviers; f. 1884; sculpture, paintings; porcelains of Europe and Asia; 500 vols. in library attached; publ. *Le Musée de Verviers* (1942).

Archéologie: rue des Raines, 42; f. 1959; history of art, archæology, folklore, local history.

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Number of students: 5,459 men, 2,199 women, total 7,658.

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Pro-Rector: P. LAMBRECHTS.
Secretary of the Senate: H. HACQUAERT.

Library: *see under* Libraries.

Number of teachers: 275, including 170 professors.

Number of students: 5,500.

Publications: *Werken uitgegeven door de Faculteit van de Letteren en de Wijsbegeerte, Uitgaven van het Seminarie voor Dialectologie, Uitgaven van het Sociologisch Instituut, Gentse Bijdragen tot de Kunstgeschiedenis en Oudheidkunde, Voor onze Studenten (Vade mecum), Programma der leergangen, Verslagen.*

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STRUBBE, E., History of Law, Medieval Palæography
UYTTERSPROT, CL. H., German Literature and Philology
VANDENHAUTE, P. J., Folklore
VAN ELSLANDER, A., Germanic Language and Dutch Literature
VERHULST, A., Medieval History
VERLINDEN, C., General History
WERVEKE, J. VAN, History of Belgium

(Vacant—Germanic and German Language and Literature, History of Philosophy and Latin)

Faculty of Law:
- ADRIAENS, H., Colonial Law
- AMERIJCKX, F., Administrative Law
- BLONDEEL, J., Comparative Civil Institutions
- BURSSENS, A., Problems of Colonial Politics
- DEKKERS, R., Philosophy of Law
- DELVA, W., Criminology
- DE PELSEMAEKER, C., Accountancy
- DEPREZ, U., Social Law
- DE SMET, L., Geography
- DEVREKER, A., History of Economy, Transport and Traffic
- GHYSBRECHT, P., Psychology
- HOUTTE, J. VAN, Fiscal Law
- KLUYSKENS, P., Industrial Law
- LIMPENS, J., Law
- LUYKX, T., History of the Press
- MAST, A., Constitutional and Administrative Law
- MERCHIERS, L., Social Law
- PEETERS, F., History of Political Systems
- PICARD, A., Statistics
- SENELLE, R., Legislation concerning Transport and Construction
- SPANOGHE, E., Private International Law, Civil Law
- VAN BOGARET, E., International Law
- VANHOUDT, C., Criminal Law
- VAN MEERHAEGHE, M., Economics
- VERSICHELEN-TERRYN, M., Sociology
- VLERICK, A., Political Economy
- VICTOR, R., Constitutional and Administrative Law
- VRANCKX, A., Administrative Law
- (Vacant—Common Law, Commercial Law

Faculty of Science and Applied Sciences:
- AERTSEN, G., Navigation, Naval Construction and Hydraulics
- BACKES, F., Differential and Integral Calculus, Analysis
- BILO, J., Calculation of Probabilities; Analysis
- BOSCH, F., Electro-Metallurgy
- BRAUCOURT, J. DE H. DE., Palæontology
- CNOPS, J. L., Hygiene
- CONINCK, L. DE, Zoology
- DE BAETS, A., Descriptive Geometry
- DEVRIES, A., Architecture
- DINGENS, P., Astronomy and Geodesy
- EECKHAUT, Z., Analytical and General Chemistry
- GOETHALS, G., Organic Chemistry
- GOVAERT, F., Organic Chemistry
- GREMBERGEN, G. VAN, Physiology of Animals
- HACQUAERT, A., Geology, Mineralogy, Petrography
- HAEMERS, H., Non-ferrous Metallurgy
- HAUS, F., Aerodynamics
- HEYDEN, F. VAN DER, Topography
- HOSTE, J., Analytical Chemistry
- HULST, R. D., History of Architecture
- KEYZER, W. DE, Crystallography
- LOONES, E., Descriptive Mechanics
- MALSCHAERT, F., Aeroplane Construction, Motor Construction
- MASSART, L., Biochemistry
- MEERSCHE, A. VAN DEN, Electricity
- MORTIER, P., General Physics
- NUYENS, K., Mathematical Physics
- PINTELON, L., General Electrotechnics
- PUTTE, A VAN DE, Descriptive Mechanics
- RAES, G., Textile Technology
- RIESSAUW, F., Ferro-Concrete Construction
- RUTGERS, A., Physical Chemistry
- SOETE, W., Elasticity
- SY, A. DE, Metallurgy, Siderurgy, Metallography
- TAVERNIER, R., Physical Geography
- TISON, L., Hydraulics, Aerodynamics
- VAN BLADEL, J., Electrotechnics
- VAN DE PITTE, D., Constructional Stability
- VAN WORMHOUDT, M., Electrotechnics
- VERHAEGHE, L., Physics
- VERPLANCKE, G., Botany
- VERZELE, A., Organic Chemistry
- (Vacant—Higher Algebra and Geometry, Astrophysics and Telegraphy, Telephony

Faculty of Medicine:
- BOUCKAERT, J. J., Therapy, General Pathology
- BRAECKMAN, P., Physiotherapy
- COMHAIRE, A., Dentistry
- CUVELIER, B., Prescriptions
- DE BUSSCHER, J., Psychotherapy
- DEFOORT, R., Urology
- DEROM, E., Surgical Pathology
- DE VLEESCHHOUWER, E., Pharmacology
- DE WILDE, R., Dentistry
- DE WITTE, F., Radiology
- DIERICKX, K., Embryology
- EEMAN, F., Oto-Rhino-Larnygology
- FAUTREZ, J., Osteology, Arthrology, Myology
- FRANÇOIS, J., Ophthalmology
- HEYNDRICK, A., Toxicology
- HOOFT, C., Child Health
- LEUSEN, I., Physiology, Pathology
- NIHOUL, E., Surgical Pathology
- PANNIER, R., Cardiology
- PIERARD, R. J., Syphiligraphy
- RÉGNIERS, P., Internal Medicine
- REMOUCHAMPS, L., Internal Medicine
- RUYSSEN, R., Pharmaceutics
- SEBRUYNS, M., Histology
- THIERRY, M., Theorectical Gynæcology
- THOMAS, F., Legal Medicine
- VANDEKEACKHOVE, D., Theoretical Gynæcology
- VAN DEN DRIESSCHE, L., Physiological Chemistry
- VAN DER EECKEN, Pscyhology
- VAN DER LINDEN, P., Surgery
- VAN VAERENBERGH, P. Physiotherapy
- VERDONCK, G., Speech Study

AFFILIATED INSTITUTES:

Attached to the Faculty of Philosophy and Letters:

Hoger Instituut voor Kunstgeschiedenis en Oudheidkunde (*Higher Institute of Fine Arts and Archæology*): St. Hubertusstraat 2; f. 1920.
President: J. DUVERGER.

Hoger Instituut voor Psychologische en Pedagogische Wetenschappen (*Institute of Pedagogy*): Universiteitstraat 14; f. 1927.
President: W. DE COSTER.

Affiliated to the Faculty of Law:

Hogere School voor Handels- en Economische Wetenschappen (*Higher School of Commercial and Economic Science*): Universiteitstraat 14; f. 1934.
President: L. DE SMET.

School voor Criminologie (*Criminology School*): Universiteitstraat 14; f. 1938.
President: C. VANHOUDT.

Affiliated to the Faculty of Medicine:

Hoger Instituut voor Lichamelijke Opvoeding (*Higher Institute for Physical Education*): Watersportlaan 2; f. 1908.
President: P. VAN UYTVANCK.

Veeartsenijschool (*Veterinary School*): Casinoplein 21; f. 1934.
President: A. VERSTRAETE.

UNIVERSITÉ DE LIÈGE
(University of Liège)

PLACE DU XX-AOÛT 7, LIÈGE
Telephone: 42.00.80.
Founded 1817.

Rector-President: M. DUBUISSON.
Vice-President of the Administrative Council: C. RENARD.
Secretary of the Academic Council: L. D'OR.
Government Commissioner: P. HORION.

Library: *see under* Libraries.
Number of teachers: 267, including 157 professors.
Number of students: 5,336.

DEANS:

Faculty of Philosophy and Letters: J. WARLAND.
Faculty of Law: P. GRAULICH.
Faculty of Science: H. BRASSEUR.
Faculty of Medicine: M. WELSCH.
Faculty of Applied Science: C. MASSONNET.

FULL PROFESSORS:

Faculty of Philosophy and Letters:
- CLAUSSE, A., History of Pedagogy
- D'ARDENNE, Mlle S., English Philology and Medieval Literature
- DE CORTE, M., History of Philosophy
- DEHOUSSE-LEJEUNE, Mme R., Walloon Literature
- DELATTE, L., Latin
- DELBOUILLE, M., French Philology and Grammar
- DEMOULIN, R., Modern History
- DEVAUX, PH., Philosophy
- DOSSIN, G., Archæology, Ancient and Modern
- DUYCKAERTS, F., History of Philosophy
- FOHALLE, R., Classical Philology, Sanskrit
- HALKIN, L.-E., History
- HARSIN, P., Modern History, Belgian History
- HORRENT, J., Romance Philology
- LABARBE, J., Greek Institutions and Epigraphy, Greek and Latin Literature
- LACROIX, L., Archæology, History of Art
- LEJEUNE, J., History
- MOORS, J., Flemish Philology, History of Dutch Langauge
- NIVELLE, A., German Literature and Language
- PAULUS, J., Psychology and Elementary Physiology
- PIRON, M., Roman Philology, French Literature
- REMACLE, L., Walloon Dialect and Latin
- RENARD, M., History
- RUTTEN, M., Flemish Literature
- SEVERYNS, A., Greek Literature and Philology
- SIMON, Mlle I., English Philology and Literature

VAN DE GANS, A., History of French Literature
VERCAUTEREN, F., Medieval History
WARLAND, J., History of Germanic Language
WARNANT, L., Diction, French Language Methodology

Faculty of Law:
BUTTGENBACH, A., Comparative Constitutional Law
CLEMENS, R., Sociology, Political Economy
CONSTANT, J., Penal Law
DABIN, L., Commercial Law
DAVID-CONSTANT, Mme S., Civil Law
DEHOUSSE, F., International Law
DEL MARMOL, CH., Commercial Law
DEMBOUR, J., Administrative Law
FETTWEIS, A., Civil Procedure
GLASER, S., International Penal Code
GOOSSENS, CH., Public and Administrative Law
GRAULICH, P., Civil and Commercial and Private International Law
HARMEL, P., Public and Administrative Law
HENRION, R., Roman Law
HORION, P., Industrial and Social Legislation
LAMBERT, P., Economics
LEJEUNE, J., Statistics
MOUREAU, L., Administrative Law
PESCATORE, P., Luxembourg Law
QUADEN, P., Commerical Law and Science of Finance
RENARD, C., Civil Law
VAN HOUTTE, J., Penal Law

Faculty of Science:
BAUDRENGHEIN, J., General Chemistry
BOUILLENNE, R., Botany
BRASSEUR, H., Crystallography and Mineralogy
BUREAU, F., Analytical Mechanics
DESREUX, V., Physical Chemistry, Biochemistry
D'OR, L., Chemistry
DUBUISSON, M., Biology, Zoology
DUCHESNE, J., Physics and Mathematics
DUSSART, F., Regional Geography
DUYCKAERTS, G., Analytical Chemistry
GARNIR, H., Analytical Mechanics and Higher Algebra
GUEBEN, G., Experimental Physics
HAUTOT, A., General Physics
HUMBLET, J., Analytical Mechanics
JONGMANS, F., Higher Geometry
LECLERCQ, Mlle S., Phyto-Palæontology
LEDOUX, P., Astronomy, Analytical Mechanics
MACAR, P., Physical Geography
MICHOT, P., Petrography
MIGEOTTE, M., Experimental Physics
MONOYER, A., Botany
MORAND, M., Experimental Physics
NOLLET, L., Analytical Geometry
PIRARD, A., Graphostatics
PIRENNE, J., Quantity Mechanics and Statistical Mechanics
ROZET, O., Analytical and Projective Geometry
SERPE, J., Physics and Mathematics
SWINGS, P., Astronomy
TULIPPE, O., Geography and Ethnography
UBAGHS, G., Zoopalæontology
WINAND, L., Physical Mechanics

Faculty of Medicine:
BACQ, Z., Therapeutic Pathology
BETZ, E., Pathological Anatomy
BONNAL, J., Neuro-Surgery
CHEVREMONT, M., Histology and Embryology
DALLEMAGNE, M., Pharmacodynamics
DENOEL, A., Pharmacognosy
EISENRING, R., Stomatology
ESSER, W., Physiotherapy
FLORKIN, M., Biochemistry
FREDERICQ, P., Hygiene
HEUSGHEM, C., Pharmacuetical Chemistry, Hygiene
HONORÉ, D., Surgery
LAMBRECHTS, A., Children's Diseases
LAPIÈRE, C., Analytical Chemistry, Pharmaceutical Chemistry
LAPIÈRE, S., Venereal Diseases and Dermatology
LECOMTE, J., Physiology
LEDOUX, A., Oto-Rhino-Laryngology
LEROUX, G., Radiography
MOUREAU, P., Medical Law
NIZET, A., Medical Clinic
ORBAN, F., Surgery
STAINIER, C., Pharmaceutical Chemistry
VAN BENEDEN, J., Hygiene
VAN CAUWENBERGE, H., Medical Clinic
VANDERVAEL, F., Anatomy
WEEKERS, R., Ophthalmology
WELSCH, M., Bacteriology

Faculty of Applied Science:
BODART, E., Metrology
BURNAY, G., Mechanics and Applied Physics
CALEMBERT, L., Geology
COHEUR, P., Physical Metallurgy
DANTINNE, R., Civil Construction
DUCARME, J., High-speed Combustion Engines
EVRARD, P., Applied Geology
FOURMARIER, P., Jr., Electricity in Industry
FRAEIJS DE VEUBEKE, B., Aeronautics
FRENAY, E., Metallurgy
FRENKIEL, J., Electro-Acoustics
HERMANS, L., Topography
LAMOEN, J., Civil, Urban and Colonial Construction
LECLERC, E., Analytical Chemistry
LELOUP, L., Machine Construction; Electric Traction
LOUIS, H., Civil Building
LOUON, P., Electrical Machines
MASSONNET, C., The Elasticity of Materials
MELON, J., Mineralogy
ROUSSEAU, M., Electrical Installations
SPRONCK, R., Naval Engineering

AFFILIATED INSTITUTES:

Attached to the Faculty of Philosophy and Letters:

Institut Supérieur d'Histoire de l'Art et d'Archéologie (*Institute of the History of Art and Archæology*).
President: L. LACROIX.

Institut Supérieur d'Histoire et de Littératures Orientales (*Institute of Oriental History and Literature*).
President: J. DUCHESNE-GUILLEMIN.

Institut de Psychologie et des Sciences de l'Education (*Institute of Psychology and Educational Sciences*).
President: R. FOHALLE.
(*Also attached to the Faculty of Medicine.*)

Institut de Philosophie, Histoire, Philologie Classique, Philologie Romane, Philologie Germanique (*Institute of Philosophy, Classical Philology, Romance Philology and Germanic Philology*).

Laboratoire d'Analyse Statistique des Langues Anciennes (*Laboratory for Statistical Analysis of Ancient Languages*).

Institut de Lexicologie Française (*Institute of French Lexicology*).

Attached to the Faculty of Law:

Ecole de Criminologie (*School of Criminology*).
President: J. CONSTANT.

Ecole Supérieure des Sciences Commerciales et Economiques (*High School for Commerce and Economics*).
President: F. JONGMANS.

Institut de Sociologie (*Institute of Sociology*).

Institute de Science Economique (*Institute of Economic Sciences*).

Commission "Droit et Vie des Affaires" (*Law and Life of Affairs Commission*).

Attached to the Faculty of Medicine:

Institut Supérieur d'Education Physique (*Higher Institute of Physical Education*).
President: C. LIEBECQ.

INTER-FACULTY CENTRES:

Centre interfacultaire d'Etudes des Pays en Voie de Développement.
President: R. BOUILLENNE.

Centre interfacultaire du Travail.
President: J. VAN BENEDEN.

Centre interfacultaire des Sciences nucléaires.
President: G. GUEBEN.

SCIENTIFIC SERVICES:

Attached to the Faculty of Science:

Institut Edouard Van Beneden (*Zoological Museum, Aquariums*): 22 quai Van Beneden.

Institut et Jardin de Botanique (*Botanical Institute and Garden*): 54 rue Louvrex and 3 rue Fusch.

Institut de Morphologie Végétale (*Institute of Plant Morphology*): 46 rue Bassenge.

Institut Walter Spring (*General Chemistry*): quai Franklin Roosevelt 1B.

Institut d'Astrophysique (*Institute of Astrophysics*) Cointe-Sclessim.

Institut d'Astronomie et Géodésie (*Institute of Astronomy and Geodesy*): Cointe-Sclessin.

Institut de Mathématiques (*Institute of Mathematics*): 15 avenue des Tilleuls.

Institut de Physique (*Institute of Physics*): quai Franklin Roosevelt 1A.

Institut de Physique nucléaire (*Institute of Nuclear Physics*): place du 20 Août 9.

Institut de Géographie (*Institute of Geography*): place du 20 Août 7.

Institut de Géologie (*Institute of Geology*): 7 place du 20 Août 7.

Institut de Cristallographie et de Minéralogie (*Institute of Crystallography and Mineralogy*): place du 20 Août 7.

Institut de Paléontologie: place du 20 Août 7.

Attached to the Faculty of Applied Science:

Institut de Chimie et de Métallurgie (*Institute of Chemistry and Metallurgy*): 2 rue Armand Stevart.

Institut de Génie Civil (*Institute of Civil Engineering*): 6 quai Banning.

Institut de Mécanique (*Institute of Mechanics*): rue du Val-Benoît 75.

Institut de Thermodynamique (*Institute of Thermodynamics*): rue du Val-Benoît 75.

Institut Electrotechnique Montefiore (*Montefiore Institute of Electrotechnics*): 33 rue Saint-Gilles.

Attached to the Faculty of Medicine:

Institut Auguste Swaen (*Anatomy*): 20 rue de Pitteurs.

Institut Léon Fredericq (*Physiology, Biochemistry*): 17 place Delcour.

Institut de Pathologie et de Bactériologie (*Institute of Pathology and Bacteriology*): 1 rue des Bonnes-Villes.

Institut de Bactériologie, Pathologie et Thérapeutique (*Institute of Bacteriology, Pathology and Therapeutics*): boulevard de la Constitution 32.

Institut d'Hygiene (*Institute of Hygiene*): 16 place Delcour.

Institut de Pharmacie Alfred Gilkinet (*Alfred Gilkinet Institute of Pharmacy*): 5 rue Fusch.

Hôpital de Bavière: 66 boulevard de la Constitution, Liège, is the University Hospital.

General:

Centre de Calcul et de Traitement de l'Information (*Centre for the Calculation and Processing of Information*).

Centre d'Etude des Problèmes des Pays en Developpement (*Centre for the Study of Problems of Developing Countries*).

Service des Langues Vivantes (*Service for Living Languages*).

UNIVERSITÉ CATHOLIQUE DE LOUVAIN—KATHOLIEKE UNIVERSITEIT TE LEUVEN

(Catholic University of Louvain)

4 RUE KRAKEN, LOUVAIN

Telephone: 22304.

Founded 1425 by Papal Bull.

Rector Magnificus: His Excellency Mgr. A. DESCHAMPS.

Honorary Rector Magnificus: H.E. Mgr. H. VAN WAEYENBERGH.

Secretaries-General and General Administrators: Prof. E. DE JONGHE, Prof. M. WOITRIN.

Treasurer: Rev. Canon J. BILLIAUW.

Registrar: L. VAN BILLOEN.

Library: *see under* Libraries.

Number of teachers: 975, including 348 professors.

Number of students: 18,119, of whom 16,389 are Belgians (12,660 men, 3,729 women).

All courses are given in French and Dutch.

DEANS:

(F.—in charge of French-speaking students;

D.—in charge of Dutch-speaking students.)

Faculty of Theology: Prof. J. COPPENS (F. and D.).

Faculty of Canon Law: Prof. H. WAGNON (F. and D.).

Faculty of Law: Prof. P. DE VISSCHER (F.); Prof. Z. VAN HEE (D.).

Faculty of Medicine: Prof. P. LACROIX (F.); Prof. J. VAN DEN BROUCKE (D.).

Faculty of Philosophy and Letters: Prof. P. RUWET (F.); Prof. A. VAN WINDEKENS (D.).

Faculty of Science: Prof. A. BRUYLANTS (F.); Prof. G. POLSPOEL (D.).

Faculty of Economic and Social Sciences: Prof. P. ROUSSEAUX (F.); Prof. G. EYSKENS (D.).

Faculty of Applied Sciences: Prof. A. HOUBERECHTS (F.); Prof. R. VAN CAUTEREN (D.).

PROFESSORS:

Faculty of Theology:

COPPENS, J., Old Testament Exegesis, Ancient Religious History, Scientific *Exposé* of Religion
DONDEYNE, A., Religious Philosophy, Metaphysics
DRAGUET, R., Oriental Literature, Syriac
ETIENNE, J., Moral Philosophy
GIBLET, J., New Testament
HAVET, J., Protestant Theology
HEYLEN, V.
HOUSSIAU, A., "De Sacramentis"
JANSSENS, L., Moral Theology, Moral Philosophy
MASSAUX, ED., Holy Scripture: New Testament
NEIRYNCK, F., New Testament
PHILIPS, G., Specialised Dogmatic Theology
THILS, G., General Dogmatic Theology
VANDEN BUSSCHE, H., New Testament
VAN ROEY, A., Patrology, Specialised Dogmatic Theology
VAN STEENBERGHEN, F., Medieval Philosophy, General Metaphysics
VIEUJEAN, J., Religion, Ecclesiastical History

Faculty of Canon Law:

DE SMET, J., Ecclesiastical History, History
FRANSEN, G., Canon Law
ONCLIN, W., Canon Law
STEPPE, J., History of Christian Oriental Art, Archæology, History of Art, Iconography
WAGNON, H., Canon Law

Faculty of Law:

BAUDHUIN, F., Public Finance
BONDUE, P., Penal Law
CAES, L., Pandects, Roman Law
COLLIN, F., Maritime Law
COPPENS, P., Commercial, Fiscal and Financial Law
DE BIE, P., Social Sciences
DE MEYER, J., Private Law, Philosophy of Law
DE RAEYMAEKER, O., Diplomatic Sciences
DERINE, R., Notarial Law
DE VISSCHER, P., Public Law, International Law
DE VISSCHERE, F., Administrative Law
DE VLEESCHAUWER, A., Commercial Law
DUPRIEZ, L. H., Statistics, Economics
EYSKENS, G., Public Finance, Political Economy
LAGASSE, A., Social Legislation, Industrial Legislation
LIÉNARD, R., Comparative Civil Law, Notarial Law
MALENGREAU, G., Colonial Politics
RENAULD, J., Civil Law, Philosophy of Law
RIGAUX, F., International Private Law, Civil Law
RONSE, J., Comparative Commercial Law
ROUSSEAUX, P., Political Economy
RUBBRECHT, J., Penal Law
STRUYE, P., Professional De-Ontology
VANDEPUTTE, R., Industrial Law, Comparative Law
VAN DIEVOET, G., Judicial Organisations Civil Proceedings, Civil Law
VAN HECKE, G., Civil Law, Private International Law
VAN HEE, Z., Notarial Law and Practice, Civil Law
VAN REEPINGHAM, C., Judicial Organisation, Competence, Civil Procedure

Faculty of Medicine:

APPELMANS, M., Ophthalmology
ARCQ, J., Pathology and Internal Therapeutics
AUBERT, X., General Physiology
BECKERS, J., General Surgical Pathology
BONTÉ, J., Anatomy
BORGHGRAEF, R., Human Physiology
BOUCKAERT, J., Physiology
BRUYNOGHE, G., Bacteriology
CASTILLE, A., Pharmaceutical Chemistry, Analysis of Foodstuffs
COLLE, J., Physiology of the Senses, Biophysics
DE DUVE, C., Physiological Chemistry
DE MONTPELLIER, G., Psychology
DE MOOR, P., Internal Medicine, Dietetics
DE MUYLDER, C., Minor Surgery, Pathological Surgery and Therapeutics
DE NAYER, P., Biometry of Physical Training
DENYS, P., Children's Diseases
DEQUEKER, R., Pharmacy
DEREYMAEKER, A., Neurology
DE SOMER, P., Bacteriology
DE VISSCHER, M., General Pathology
GUNS, P., Oto-Rhino-Laryngology
GYSELEN, A., Pathology and Therapeutics, Internal Disease
HAVEN, E., Dermatology
HERS, G., Physiological Chemistry
HINNEBERT, P., Surgical Pathology
HOET, J., Clinical Medicine, Internal Pathology
JOOSSENS, J., Internal Pathology and Therapeutics
LACQUET, A., Clinical Surgery
LACROIX, P., Systematic Anatomy
LEJEUNE, A. D., Stomatology

MERTENS DE WILMARS, C., Industrial and Professional Psychology
MORELLE, J., Clinical Surgery
PUTZEYS, P., Medical Chemistry, Biological Chemistry
RENAER, M., Gynæcology, Obstetrics
RONSSE, C., Tropical Medicine
SCHOCKAERT, J., Gynæcology, Obstetrics
SIMONART, A., General Therapeutics, Pharmacology
VAN CAMPENHOUT, E., Embryology, Histology, Anatomy
VANDENBROUCKE, J., General Pathology, Clinical Medicine
VAN DER SCHUEREN, G., Anatomy, Radiotherapy
VAN DE VYVER, L., Stomatology
VAN GEHUCHTEN, P., Neurology
VERDUYN, H., Urology

Faculty of Philosophy and Letters:
AERTS, J. A., Latin, General and Classical Methodology, History of Pedagogy
AERTS, J. J., History of Modern Literature
AUBERT, R., Ecclesiastical History
DELLAERT, R., Scientific study of delinquent children
DENIS, V., Archæology and History of Art
DE RAEYMAEKER, L., Philosophy, General Metaphysics
DE RUYT, F., Latin Literature, Classical Archæology
DE SMAELE, F., Ancient Philosophy
DE WAELHENS, A., History of Modern Philosophy, Logic, Epistemology
D'ESPALIER, V., Experimental Didactics, Pedagogical Methods
DOPP, J.. Logic, Modern Philosophy
DRAYE, H., German Language and Literature
FAUVILLE, A., Psychology, Pedagogy
FRANKARD, P., Organisation of Teaching
GARITTE, G., Greek Palæography, Coptic Language
GEERTS, V. M., Pedagogical Authors
GÉNICOT, L., Modern History, History of Belgium, Medieval Latin
GIELE, M., Ancient Philosophy, Metaphysics
GILLE, A., Pedagogy
GROULT, P., Medieval French Literature and Philology
HAAG, H., Contemporary History
HANSE, J., French Literature and History of Medieval Literature
HAROUX, H., Belgian Parliamentary History
HOFINGER, M., History of Asian Science, Greek Literature
JODOGNE, O., History of French Grammar, Dialectology
KNOPS, L., Psychology
KRIEKEMANS, A., Psychology and Logic
LAMOTTE, E., Oriental Philology
LAROCHE, J., Psychology
LAVALLEYE, J., History of Art and Archæology
LENAERTS, R., Musicology
LEYS, D., German Language, Onomastics
LOUSSE, E., Contemporary History, History of Law
MANIET, A., Celtic Literature, Comparative Grammar
MEUNIER, J., Methodology, History of Pedagogy
MICHAUX, M., Latin Literature, Ancient History, Epigraphy
MOELLER, C., Dogmatics, Literature
MOGENET, J. L., History of Latin Literature, Greek Authors
NASTER, P., Archæology and History of Art
NUTTIN, J., General and Experimental Psychology, Social Psychology
PAUWELS, J.-L., Phonetics, Dutch Philology, German Methodology
PEREMANS, W., Ancient History, Greek Epigraphy, Papyrology
POUILLIART, R., History of French Literature
REEKMANS, A., Latin Literature, Greek Palæography
ROBIJNS, J., Musicology
ROELANDTS, K., Onomastics, Gothic, History of Dutch Grammar
ROMBAUTS, E., History of Dutch Literature
RUWET, J., Modern and Contemporary History
RYCKMANS, J., Comparative Grammar of Semitic Languages
SCHEURWEGHS, G., English Philology and Language
THINÈS, L., Psychology
TORHOUDT, A., Greek Authors and Literature
VAN COETSEM, F. Phonetics
VANDERHEYDEN, J., English and American Literature
VAN HAECHT, L., Psychology
VAN HOUTTE, J., Geography, History of Belgium and of the Middle Ages
VAN HOUTTE, Psychology
VAN RIET, G., Logic, Epistemology
VAN ROEY, J.
VAN'T DACK, E., Roman Institutions, Greek and Latin Epigraphy
VAN WINDEKENS, A., Classics and Oriental Philology
VERBEKE, G., Philosophy and Metaphysics, Ancient Philology
VERGOTE, A., Epistemology
VERGOTE, J., Papyrology, Greek and Coptic Language
WENIN, C., Pyschology
WYLLEMAN, A., Moral Philosophy, Encyclopædia of Philosophy

Faculty of Science:
ALARDIN, F., Descriptive Geometry, General Mathematics
ANTOINE, R., Forestry
BAEYENS, J., Agrology and Pedology
BALLIEU, R., Projective Geometry, Algebra, Mathematical Analysis
BORGERS, A., Mathematics, Logistics
BOUCKAERT, L., Elasticity, Theoretical Physics
BRECKPOT, R., Inorganic and Analytical Chemistry
BRUYLANTS, A., General Chemistry, Organic Chemistry
BUBLOT, G., Agriculture
BUFFEL, K., Systematic Botany
CAPRON, P., Experimental Physics, Radio-active Phemomena, Nuclear Physics and Chemistry
DEBAUCHE, H., Systematic Zoology
DE BÉTHUNE, P., Geology, Hydrology, Mineralogy and Petrography, Physical Geography
DE BOCK, A., Physics
DE CLERCK, J., Analytical Chemistry, Brewing
DE HEMPTINNE, M., Nuclear Physics and Spectroscopy
DELFOSSE, J.-M., Nuclear Physics, Geometry
DEMAL, J., Zoology
DEURINCK, R., Applied Descriptive Geometry
DE VUYST, A., General and Special Zootechnics
D'OLIESLAGER, J., Physics, Analytical Mechanics
DONDEYNE, J., Physiochemistry
DUMON, A., General Agriculture, Genetics
ESTIENNE, V., Biological Chemistry, Phytopharmacy
FLORIN, H., Differential and Integral Calculus
FRATEUR, J., Distilling Industries, Technology of Agricultural Industries
FRIPIAT, J., Physical Chemistry of Soil
GEUKENS, F., Geology, Crystallography
GILLES, A., Systematic Botany
GODART, O., Astronomy, Meteorology
GULLENTOPS, F., Geology, Physical Geography, Pre-historic Archæology
HEUTS, J., Genetics, Plant Breeding, Limnology
HUYSKENS, P., Chemistry
JUNGERS, C., Physical Chemistry, General Inorganic Chemistry
KAISIN, F. J., Geology
KOCH, H., Zoology
LADRIÈRE, J., Cosmology, Social Philosophy
LAUDELOUT, H., Soil Biochemistry
LAVENDHOMME, R., Geometry
LEBRUN, J., General Ecology
LECOMPTE, M., Palæontology, Mineralogy, Geology
LEFÈVRE, M., Human Geography
LEMAÎTRE, G., Mathematical Methodology, Calculus, Analytical Mechanics, History of Mathematical and Physical Sciences
LONTIE, R., Analytical Chemistry
LOIUS, A., General Botany
MACQ, P., Electronics, Analytical Geometry
MALCORPS, G., Rural Engineering, Graphic Statics
MANNEBACK, C., Mathematical Physics, Electrical Theory
MARIËNS, P., Mathematics, Analytical Mechanics, Physics
MARTENS, P., Vegetable Palæontology, General Mycology, Systematic Botany
MEIRE, R., Agricultural Engineering
MULLENDERS, W., Botany, Agriculture and Tropical Biology
OPSOMER, J., Colonial Agriculture
POLSPOEL, G., Geography
ROBYNS, W., Botany
SIMONART, P., General and Special Microbiology, Scientific Dairying
SMETS, G., Organic Chemistry, Applied Organic Chemistry
STANER, P., Tropical Phytopathology
VAN BOUCHOUT, V., Analytical Geometry, Graphic Statics
VAN BOVEN, J., General and Special Entomology
VANDEBROEK, G., Comparative Anatomy
VAN HIMBEECK, C., Agricultural Engineering
VAN HOOF, A., Topography, Geodesy, Mathematical Geography, Astronomy
VAN ITTERBEEK, A., Mathematical and Theoretical Physics, Analytical Mechanics
VAN MEERSSCHE, M., Crystallography, Physical Chemistry
VAN PAEMEL, O., Mathematics
VAN TIGGELEN, A., General Inorganic and Analytical Chemistry, Spectrochemistry
VERHAEGEN, L., Physics
VERHULST, G., General Inorganic and Organic Chemistry

Faculty of Applied Sciences:
BUCKENS, F., Applied Mathematics, Design and Construction of Machines
COLARD, J., Political Economy
DE BEER, E., Construction Hydraulics
DEBRUYN, H., Electric Machinery
DE CUYPER, J., Mechanical Preparation of Ores and Coal
DE GREVE, L., Mathematics and Mechanics
DEMEURE DE LESPAUL, C., Mining

DERUYTTERE, A., General Metallurgy and Siderurgy
DE STRIJCKER, R., Metallurgy and Metallography
GILLON, E., Electricity, Telegraphy and Telephony
HELLINCKX, L., Industrial Chemistry
HOUBERECHTS, A., Thermodynamics, Machine Construction
JESPERS, P., Electrical Machinery
LEMAIRE, R., Architecture and Archæology
LUYCKX, A., Physics, Nuclear Chemistry
MOREAU, J., Mineralogy, Applied Geology
PÉTERS, J., Industrial Mechanics
PIETERMAAT, F., Electricity, Telegraphy and Telephony
REYNTJENS, G., Industrial Construction, Hydraulics
VAN CAUTEREN, R., Construction and Design of Machinery
VAN DER WAETEREN, T., Thermotechnic Laboratory
VAN HAUTE, A., Industrial Electrochemistry

Faculty of Economic and Social Sciences:
BAECK, L., Economic analysis of developing countries
BÉZY, F., Economic Structure of the Congo
CARDYN, J., Business Organisation
DE BRUYNE, P., International Trade
DE JONGHE, E., Social Philosophy, History of Social Thought
DEREUME, E., Accountancy, Industrial Economy
DRÈZE, J., Statistical Analysis
LOEYS, M., Political Economy
MAHIEU, P., International Transactions
MAS, A., Commercial Arithmetic, Accountancy, Industrial Economy
MERTENS, DE WILMARS, J., Economics
MICHEL, M., Mathematical Methods in Business Administration
PIERRE, J., Organisation of Management
URBAIN, Y., Belgian Social History, Economic History
VAES, U., Industrial Planning and Management
VANDENBORRE, H., Transport Economics
VAN GESTEL, C., Social Teaching of the Church
VAN MECHELEN, F., Demography, Sociology, Statistics
VAN WINCKEL, F., General Mathematics
WOITRIN, M., International Trade, Theory of Employment

ATTACHED SCHOOLS:

(F.—in charge of French-speaking students;
D.—in charge of Dutch-speaking students.)

Institut Supérieur de Philosophie (*Higher Institute of Philosophy*): 2 place Cardinal Mercier, Louvain; f. 1889; library of 40,000 vols.; publ. *Revue Philosophique de Louvain*.
President: Mgr. L. DE RAEYMAEKER.

Institut Supérieur des Sciences Réligieuses (*Higher Institute of Religious Sciences*): f. 1945.
President: Prof. A. HOUSSIAU.

Institut des Sciences Politiques et Sociales (*Institute of Political and Social Sciences*): attached to the Faculty of Economic and Social Sciences; 41 rue de Tirlemont, Louvain; f. 1892; library of 7,500 vols.; publ. *Annales de Droit et des Sciences politiques*.
Presidents: Prof. H. HAAG (F.); Prof. J. DE MEYER (D.).

Institut des Sciences Familiales et Sexologiques (*Institute of Family and Sex Sciences*): f. 1961.
President: J. A. SCHOCKAERT.

Ecole de Criminologie (*School of Criminology*): attached to the Faculty of Law; f. 1919.
President: Prof. P. BONDUE.

Institut Agronomique (*Agronomical Institute*): attached to the Faculty of Science; 72 avenue Cardinal Mercier, Heverlee; f. 1878; publ. *Agriculture* (each term).
President: Prof. J. E. OPSOMER.

Institut des Sciences Economiques (*Institute of Economics*): attached to the Faculty of Economic and Social Sciences; 2 rue des Doyens, Louvain; f. 1929.
Presidents: Prof. J. BEZY (F.); Prof. M. LOEYS (D.).

Institut des Sciences Economiques Appliquées (*School for Applied Economics*): attached to the Faculty of Economic and Social Sciences; 2 rue des Doyens, Louvain; f. 1897.
Presidents: V. VAES (F.); Prof. P. MAHIEU (D.).

Institut des Sciences Actuarielles (*Institute of Actuaries*).
President: Prof. F. VEREYCKEN.

Institut Supérieur d'Archéologie et d'Histoire de l'Art: attached to Faculty of Philosophy and Letters; rue des Flamands 91, Louvain; f. 1942.
President: Prof. J. LAVALLEYE.

Institut Orientaliste (*Institute for Oriental Studies*): attached to Faculty of Philosophy and Letters; f. 1936; publs. *Le Muséon* (periodical), *Bibliothèque du Muséon*.
President: Prof. J. VERGOTE.

Institut de Psychologie et de Pédagogie (*Institute of Psychology and Pedagogy*): attached to the Faculty of Philosophy and Letters; 96 rue de Tirlemont, Louvain; f. 1926.
President: Prof. A. FAUVILLE.

Institut Africaniste (*African Institute*): attached to the Faculty of Philosophy and Letters; f. 1951.
President: Prof. V. VAN BULCK.

Institut Supérieur du Travail (*Higher Institute of Business Management*): f. 1951.
Director: Prof. P. MAHIEU.

Institut Interfacultaire d'Urbanisme et d'Aménagement du Territoire (*Inter-Faculty Institute on Urbanisation and Local Government*): f. 1960.
President: Prof. G. PEPERMANS.

Institut d'Etude des Pays en Développement (*Study Institute of Developing Countries*): f. 1963.
President: Prof. G. MALENGREAU.

Institut d'Education Physique (*Institute of Physical Training*): 101 boulevard de Tervueren; f. 1920.
President: Prof. P. DE NAYER.

Institut d'Etudes Paramédicales (*Institute of Paramedical Studies*): f. 1949.
Directors: Dr. P. DE SOMER; Dr. J. LEDERER; Sister J. M. HEYMANS.

COLLEGES

ÉCOLE DES HAUTES ÉTUDES COMMERCIALES ET CONSULAIRES

21 RUE SOHET, LIÈGE

Founded 1898.

President: A. NEEF DE SAINVAL.
Vice-President: V. VIENNE.
Director: L. WAHA.
Rector: R. DEMEUSE.
Treasurer: J. RIKAR.
Secretary: R. MOTTOULLE.
Librarian: J. MINSART.

The library contains 5,200 volumes.
Number of teachers: 32 professors.
Number of students: 162 men, 15 women, total 177.

ÉCOLE ROYALE MILITAIRE

AVE. DE LA RENAISSANCE 30, BRUSSELS

Telephone: 33.97.94.

Founded 1834.

Commandant: Maj.-Gen. E. ENGELEN, A.D.C. to the King.
Vice-Commandant: Col. (Aviation) B. H. UTENS.
Director of Military Instruction: Col. H. CARTIAUX.
Director of Studies: Col. L. VERBOIS.

Number of teachers: 137, including 57 professors.
Number of students: 421.

FULL PROFESSORS:

BAETSLE, P. L., Geodesy, Topography, Astronomy
BELCHE, L. N. A. N. A., Construction
BERNARD, H., Military and Contemporary History
CHARLES, J. E., Telecommunications
COEKELBERGHS, R. F. R., General Chemistry
DATH, J. R., Ballistics and Firing Techniques
DE GREVE, M., French Language and Literature
DERY, M. A. G., Electricity and Electrotechnology
DORSIMONT, A. E. A. J. G., Telecommunications
DUFOUR, G., Armament Techniques
FRANCKX, E. M., Mathematical Analysis and Probabilities
GIJSEN, E. J. M., Construction and Resistance of Materials
GODFRIND, P. E. D. G., Ballistics and Firing Techniques

LAMINE, T. P. O., Mathematics
MACDONNELLE, A., Mathematics
PIRET, A. L. G., Applied Mechanics
SCHEERE, J. L. R. G., Geology and Geography
SIBENALER, E., Mechanical Transport
THOMAS, E., Physics, *Director of Nuclear Centre*
TITS, F. M. J. V. C., Applied Chemistry
VAN DEN BERGEN, G. R. J., Rational Mechanics
VAN PASSEL, F., Dutch Language and Literature
VAN WAMBEKE, A. E. V., Construction and Soil Mechanics

FACULTÉ POLYTECHNIQUE DE MONS

RUE DE HOUDAIN, MONS

Founded 1837.

President of the Board: E. CORNEZ (Governor of Hainaut).
Rector: Prof. P. HOUZEAU DE LEHAIE.
Secretary: J. LIBIOULLE.

Library: *see under* Libraries.

Number of teachers: 69, including 32 professors.

Number of students: 398 men.

DEAN:

Prof. M. COGNEAUX.

PROFESSORS:

BALAND, J., Applied Mechanics
BARBENSON, W., Mathematical Analysis
BEUGNIES, A., Applied Geology
BOITE, R., Industrial Electricity
BOULANGER, G., Machine Engineering, Industrial Design, Mechanical Computing
BRISON, L., Mining Engineering
COGNEAUX, M., Electronics
DEGESVES, A., General Electrotechnics
DELATTRE, R., Theoretical Mechanics
DELVAL, J., Descriptive Geometry
DERWIDUE, L., Higher Algebra
DESSART, V., Applied Mechanics
DE VRIENDT, L., Fuels and Heat Engineering
FORBAT, N., Theoretical Mechanics
FRANEAU, J., Physics
GRÉGOIRE, C., Industrial Electricity
HOMES, G., Physics of Materials
HOUZEAU, P., Metallography
JACOBS, P., Electricity, Electrical Measurement
JACQUEMIN, R., Elasticity, Strength of Materials, Principles of Building
LEFEBVRE, S., Applied Chemistry
MAQUESTIAU, A., Organic Chemistry
MARLIÈRE, R., Geology, Stratigraphy, and Palæontology
MEUNIER, C., Elasticity, Strength of Materials, Principles of Building
MEUNIER, L., Electro-Chemistry, Nuclear Metallurgy, Non-Ferrous Metallurgy, Physical Chemistry
MOISET, P., Mechanical Preparation of Coal and Ore Dressing
MOLLE, R., Mechanical Engineering; Technology and Applied Metrology
POINT, J. J., Thermodynamics
VANDAEL, C., Analytical and Industrial Chemistry
VILAIN, A., Metallurgy
WINKLER, P., General and Physical Chemistry
WISER, P., Astronomy, Geodesy, Topography, Probabilities, Statistics

FACULTÉS UNIVERSITAIRES NOTRE-DAME DE LA PAIX

61 RUE DE BRUXELLES, NAMUR

Founded 1831.

Rector: A. WANKENNE.
Secretary and Treasurer: C.-J. JOSET.

Library: *see under* Libraries.

Number of teachers: 23 professors.

Number of students: 807 men and women.

Publications: *Les Etudes Classiques* (quarterly), *Bibliothèque de la Faculté de Philosophie et Lettres de Namur* (3 vols. a year), *Studia Pacis* (2 vols. a year), *Natura Mosana* (quarterly).

Faculty of Philosophy and Letters

DEAN:

J. VAN OOTEGHEM.

PROFESSORS:

BOLAND, A., Belgian History, Historical Criticism, Economic and Social History
DASNOY, A., Archæology
DE DORLODOT, BARON CH., Civil Law, Philosophy of Law
DE JONG, M., Dutch and Modern Literature, Dutch Philology and Language
DOUCET, J., Romance Philology
GHEQUIERE, A., Art
GUILLAUME, J., Modern Literature, French Literature and Romance Philology
HANOT, M., German Philology and Language
JOSET, C.-J., Medieval, Modern and Contemporary History, International Law
LAHAYE, E., Theology and Philosophy
LORIAUX, R., Greek
MAON, P., Roman Law
SOMERS, L.-H., Dutch Philology, English Philology and Langauge
VAN OOTEGHEM, J., Latin
WANKENNE, A., Roman Hisotry

Faculty of Economics

DEAN:

C.-J. JOSET.

PROFESSORS:

ABRAHAM, J. P., International Economics II
CALONNE, A., Elementary Mathematics
CEREXHE, E., Fundamental Legal Principles, Private Law
DANTINNE, J., Business Law
DE GROOTE, J., Economics and Finance: I Monetary Facts
DELACAVE, J., Economic Principles II
DEMBLON, L., Public Administration
DE MEESTER DE RAVENSTEIN, J. C., Advanced Mathematics for Economists
DERWA, L., Demography, Quantitative Methods I
JOSZ, C., Labour Economics
KERVYN DE LETTENHOVE, Baron A., Economics and Finance: II Public Finance
LAMFALUSSY, A., Macro-Economic Analysis
LEBRUN, P., Economic Principles I
MINON, P., Sociology
PAELINCK, J., Micro-Economic Analysis, Quantitative Methods II
QUERVIN, E., International Economics I
RAES, J., Natural Law, Social Philosophy, Contemporary Ideas, Christian Thought on Society
SCHWARTZ, R., Accounting, German Language
THOMAS, K., Economic English

VAN GINDERACHTER, J., Statistics
WIGNY, P., General Theory of Belgian and International Public Institutions

Faculty of Sciences

DEAN:

A. BAUCHAU.

PROFESSORS:

COLMANT, P., Chemistry
COURTOY, CH., Physics
DECONNINCK, G., Analytical Geometry
DENIS, J., Geography
GRIFFE, M., Chemistry
GROSJEAN, A., Geology
LENOBLE, FR., Philosophy
LHOAS, P., Botany
MERSCH, V., Physics
SCHONNE, A., Organic Chemistry

Faculty of Medicine

DEAN:

R. TROISFONTAINES.

PROFESSORS:

BAUCHAU, A., Zoology and Comparative Anatomy
BERBEN, J., Systematic and Topographic Anatomy
ELENS, A., General Physiology, Genetics, Anthropology
LAMMERANT, J., Special Physiology, Statistics
LELOUP, R., Histology, Embryology
TROISFONTAINES, R., Theology, Psychology
WATTIAUX, R., Physiological Chemistry

ASSOCIATE COLLEGE

Institut St. Bellarmin (*Classical Philology*): La Pairelle, Wépion-sur-Meuse; f. 1935.
Rector: F. LAMBERT.

HOGERE TECHNISCHE BROUWERIJSCHOOL SINT LIEVEN (Higher Technical School of Brewing and Chemistry)

GHENT, GILDESSTRAAT 7

Founded 1892.

Rector: Dr. Prof. W. T. BLANCQUAERT.
Secretary: L. JANSSENS.
Librarian: T.Ing. A. INGELS.

The library contains 2,720 volumes (technical books).

Number of teachers: 30, including 10 professors.

Number of students: 420 men and women.

Publication: *International Tijdschrift voor Brouwery en Moutery* (International Revue of Brewing and Malting).

INSTITUT AGRONOMIQUE DE L'ÉTAT

GEMBLOUX

Rector: J. BONNET.
Pro-Rector: A. LECRENIER.
Secretary of Academic Council: CH. DRICOT.

Library: *see under* Libraries.

Number of teachers: 40, including 30 professors.

PROFESSORS:

ANSIAUX, J.
BLANJEAN, L.
BONNET, J.
BOUDRU, M.
BRENY, R.
CASIMIR, J.
COPPENS, R.
CORIN, C.
DEBUISSON, J.
DONIS, C.
DRICOT, C.
FOUARGE, J.
GERLACHE, L.
HENNAUX, L.
HENUSSE, TH.
HESPEL, M.
LALOUX, R.
LAROSE, E.
LECLERCQ, J.
LECRENIER, A.
MANIL, G.
MANIL, P.
MARTENS, P.
NOIRFALISE, A.
RENARD, M.
SINE, L.
STOFFELS, E.
TEGHEM, J.
VANDENBRUEL, W.
VANDERWALLE, R.
WILLAM, A.

INSTITUT DES HAUTES ÉTUDES DE BELGIQUE

65 RUE DE LA CONCORDE, BRUSSELS

Founded 1922.

President: J. BAUGNIET.
Vice-President: Mlle LUCIE DE BROUCKÈRE.
Treasurer: Mlle EUGÉNIE HAUMAN.
Secretary: C. VAN DEN BORREN.

DIRECTORS OF SECTIONS:

Mathematics, Mechanics, Astronomy:
F. VAN DEN DUNGEN
P. GILLIS
TH. LEPAGE
Number of Professors: 3.

Physics and Chemistry:
Mlle LUCIE DE BROUCKÈRE
L. DELANGE
P. GLANSDORFF
G. HOMÈS
L. JEONER
ILYA PRIGOGINE
Number of Professors: 8.

Natural Science:
P. BRIEN
Dr. P. BORDET
Dr. A. DALCQ
P. DUVIGNEAUD
P. GOUROU
Dr. J. PASTEELS
Number of Professors: 14.

History and Philology:
P. BONENFANT
C. DELVOYE
M. LEROY
J. SHENGERS
Number of Professors: 16.

Sub-section Archaeology and Oriental Languages:
G. DOSSIN
Number of Professors: 9

Social, Political, Economic and Juridical Sciences:
J. BAUGNIET
P. CORNIL
H. JANNE
Number of Professors: 18.

Philosophy, Ethics, Pedagogy:
S. DECOSTER
E. DUPRÉEL
C. PERELMAN
Number of Professors: 7.

Arts and Letters:
C. BACKVIS
C. VAN DEN BORREN
A. VAN LOEY
R. MORTIER
Mlle SUZANNE SULZBERGER
Number of Professors: 17.

Industrial Psychology:
H. PLARD
C. TOMAS
W. TORDEUR

Ecole d'Ergologie: 65 rue de la Concorde, Brussels; f. 1925.

INSTITUT DE MÉDECINE TROPICALE PRINCE LÉOPOLD

155 RUE NATIONALE, ANTWERP

Founded by Royal Decree in 1931.

President: R. DECLERCK.
Vice-Presidents: W. KOELMAN, J. WILLEMS.
Director: Prof. Dr. P. JANSSENS.
Secretary: A. GRARE.
Librarian: G. ROELANTS.

Number of teachers: 17, including 10 professors.

PROFESSORS:

FAIN, Dr. A., Medical Zoology
JADIN, Dr. J., Protozoology and Hæmatology
JANSSENS, Dr. P., Tropical Pathology
LIMBOS, P., Tropical Medicine
MORTELMANS, J., Veterinary Pathology
PATTYN, Dr. S. R., Bacteriology, Virology

Clinique Léopold II: 43 rue Kronenburg, Antwerp; forms an annexe to the Institut de Médecine Tropicale Prince Léopold; treats patients from the Colonies.
Director: Prof. Dr. P. JANSSENS.

INSTITUT GRAMME DE LIÈGE
(School of Engineering)

1 QUAI DU CONDROZ, ANGLEUR-LEZ-LIÈGE

Founded 1906.

Principal: F. LAUWERS, S.J.
Vice-Principal: P. JANVIER, S.J.
Secretary-General: J. GARSOUS.
Librarian: M. TARGNION.

The library contains 13,000 volumes.
Number of teachers: 40.
Number of students: 295.
Publications: *Le Bulletin technique* (bi-monthly), *Les Nouvelles de chez nous* (monthly), *Annuaire.*

PROFESSORS (Full-Time):

BLANJEAN, G., Chemistry
CHARLIER, E., Machine Design and Metallography
CUYPERS, P., Calculus and Analytic Geometry
DAUBY, O., Electricity
*DELVAUX, P., Mathematics
DUSSART, J., Electricity
HARDY, T., Machine Design
JANVIER, P., Thermodynamics and Applied Mechanics
KATTUS, R., Machine Design
*LABARRE, M., Mathematics
LATHUY, L., Electricity
MALBRANT, E., Strength of Materials and Theory of Structures
MINETTE, M., Physics and Mechanics
*RION, R., Mathematics

* Preparatory Course.

INSTITUT SAINT-LOUIS

BLVD. DU JARDIN BOTANIQUE 43, BRUSSELS

Founded 1858.

Rector: Mgr. H. VAN CAMP.

Faculté Universitaire de Philosophie et Lettres

Secretary: Chanoine P. REUSENS.

The library contains 50,000 volumes.
Number of teachers: 24 professors.
Number of students: 220 men, 220 women, total 440.

PROFESSORS:

COPPIETERS DE GIBSON, D., Greek
DE KEYSER, E., Philosophy
DE LAUNOIS, M., Greek
ENGELSBORGHS, M., German Philology
KEERSMAEKERS, A., German Philology
KIES, A., Roman Philology
LEBEAU, P., German Philology
LORY, J., History
MAISTRIAUX, R., Law; Civil Law
MATHIEU, J., French Literature; Foreign Literature
MEUNIER, J.,
PAQUET, J., History
REUSENS, P., Philosophy and Law
SCHOONJANS, J.
SILVESTRE, H., Modern History
STEENBECKELIERS, G., Mathematics
TIHON, A., History
TULKENS, H., Economy
VAN BUNNEN, G., Roman Law
VAN CAMP, H., Logic and Psychology
VAN DEN BRUWAENE, M., Classical Philology for Latin
VAN HULLE, G., German Philology
VERMEYLEN, A., Roman Philology
WARZÉE, P., Art—Archæology

Ecole des Sciences Philosophiques et Religieuses

Founded 1925.

Secretary: Abbé D. COPPIETERS DE GIBSON.

Number of teachers: 9 professors.
Number of students: 438.

PROFESSORS:

COLETTE, J., History of Philosophy
DE CERF, P., Theory of Knowledge
DE KEYSER, E., Aesthetics
GESCHÉ, A., Catholic Dogma

GUELLUY, R., Catholic Dogma
KAMP, J., Metaphysics
LE BON, D., Introduction to Philosophy
REUSENS, P., Social Philosophy
RIGAUX, B., Catholic Dogma

INSTITUT CATHOLIQUE DES HAUTES ETUDES COMMERCIALES

2 BLVD. BRAND WHITLOCK, BRUSSELS

Founded 1934.

President: Prof. M. MASOIN.
Director: Prof. R. DEMAIN.
Secretary: Prof. P. DECERF.
Librarian: R. FLORIN.

The library contains 7,500 volumes.
Number of professors: 58.
Number of students: 443 men, 66 women, total 509.
Publication: *Reflets et Perspectives de la Vie Economique.*

ECOLE SUPÉRIEURE DES SCIENCES FISCALES

2 BLVD. BRAND WHITLOCK, BRUSSELS

Founded 1958.

President: Prof. M. MASOIN.
Director: Prof. P. SIBILLE.
Librarian: R. FLORIN.

The library contains 1,100 volumes.
Number of professors: 25.
Number of students: 80.

ECOLE SUPÉRIEURE DES CADRES

2 BLVD. BRAND WHITLOCK, BRUSSELS

Founded 1957.

Vice-President: Prof. R. DEMAIN.
Director: Prof. J. CORNEZ.

L'INSTITUT SUPÉRIEUR DE COMMERCE DE L'ÉTAT Á ANVERS

52 GOEMAERELEI, ANTWERP

Founded 1852.

Rector: Prof. F. CAMERLINCKX, PH.D.

Number of teachers: 158.
Number of students: 1,150.

DEANS:

Faculty of Economics: Prof. VAN ROMPU.
Institute for Translators and Interpreters: Prof. GOVAERT, PH.D.

INSTITUT SUPÉRIEUR DE COMMERCE SAINT-IGNACE

13 RUE DU PRINCE, ANTWERP

Founded 1852.

Rector: S. DHANIS.
Principal: A. TAYMANS.
Treasurer: K. CALMEYN.
Secretary: A. COUTURIER.
Librarian: L. BAUDEZ.

The library contains 100,000 volumes.
Number of teachers: 90, including 35 professors.
Number of students: 1,002 men.
Publications: *Annuaire Economisch en Sociaal Tijdschrift, Jaarboek.*

FULL PROFESSORS:

BAUDEZ, L., Transport, Port Economy
BOGAERTS, R., Accountancy
BURM, R., Technology
CLAES, V., German and Swedish
CLAUS, H., Mathematics
CLIQUET, M., Industrial Psychology
DEKEYSER, X., English
DELBAERE, G., Russian and German
ENGELBORGHS, M., English
GEERAERT, E., Business Economics
JESSEN, A., English
LENDERS, P., Economic History
LISSENS, R., German
MAURICE, E., French
MOTMANS, R., French
PONETTE, J., French
QUANJARD, P., Commercial Law
REYMEN, G., Statistics
ROOSE, L., English
SCHOUTENS, K., German
SCHYVENS, A., Spanish
SERVOTTE, J., German
STEENBERGEN, G. J., Dutch
TAELS, J., German and Swedish
TALLOEN, W., Geography
VAN ACKERE, J., Italian
VAN DEN EEDE, A., Mathematics
VANDER KERKEN, L., Philosophy
VAN ELSLANDE, E., French
VAN GEEL, M., Economics
VAN ISACKER, K., History
VAN OOTEGHEM, R., Economics
VANOSMAEL, PROS., English
VIRENQUE, P., Economics
WILLEMS, M., Organisation

INSTITUT SUPÉRIEUR COMMERCIAL ET CONSULAIRE

GRAND'-PLACE 23, MONS
Telephone: (065) 359.58,

Founded 1896.

Rector: Mgr. DAUBIN.
Secretary-General: P. DUBOIS.

The library contains 10,000 volumes.
Number of professors: 53.
Number of students: 263.
Publication: *Etude Economiques* (published each term).

INSTITUT TECHNIQUE SUPÉRIEUR DE L'ÉTAT

RUE DE SÉROULE 8, VERVIERS

Specialist school for training engineers and technicians in chemistry and textiles.

Director: G. SCHYNS.

INSTITUT UNIVERSITAIRE DES TERRITOIRES D'OUTRE-MER

(previously **Université Coloniale de Belgique**)

1 AVE. MIDDELHEIM, ANTWERP

Founded 1920.

President: A. WAUTERS.
Director: G. SCHMIDT.

The University Institute remains in existence, but its activities have been in suspension for the last three years awaiting new directives from the Government.

RIJKSLANDBOUWHOGESCHOOL (State Agricultural University)

COUPURE LINKS 235, GHENT
Telephone: 23.26.87.

Founded 1920.

Rector: Prof. Ir. K. L. PETIT.
Pro-Rector: Prof. J. VAN DEN BRANDE.
Secretary: Prof. L. EECKHOUT.
Registrar: R. DOBBELAERE.
Librarian: G. GENIE.

Library: *see under* Libraries.
Number of teachers: 50, including 30 professors.
Number of students: 189.
Publication: *Mededelingen van de Landbouwhogeschool en de Opzoekingsstations van de Staat te Gent.*

FULL PROFESSORS:

ALDERWEIRELDT, F.
BAPTIST, G.
BOESMAN, E.
CORTVRIENDT, S.
COTTENIE, A.
DE BOODT, M.
DE LEENHEER, L.
DERWAEL, F.
DE WILDE, L.
DOORME, H.
EECKHOUT, L.
GILLARD, A.
HENDRICKX, H.
HEYNDRICKX, G.
HEYNDRICKX, G. A.
KIPS, R.
MARTIN, J.
MOERMAN, J.
PETIT, K.
SLAATS, M.
STRYCKERS, J.
VAN DEN BRANDE, J.
VAN DEN HENDE, A.
VAN HOLDER, J.
VAN LANCKER, J.
VAN MIEGROET, M.
VERBELEN, A.
VERKINDEREN, A.
VOETS, J.
WILSSENS, A.

SCHOOLS OF MUSIC, ART AND ARCHITECTURE

Conservatoire Royal de Musique de Bruxelles: 30 rue de la Régence; f. 1832; 87 professors, 485 students; library of 360,000 vols.; museum of instruments; 4,178 exhibits; gives symphony concerts; Dir. M. POOT; Librarian A. VANDER LINDEN; Museum Conservator R. BRAGARD; publ. *Annual Report.*

Conservatoire Royal de Musique de Gand: Hoogpoort 50; Ghent; f. 1879; Dir. L. TORCK; Admin. Sec. Mlle A. DE CLERCQ; 68 mems.; all branches of music.

Conservatoire Royal de Musique de Liège: rue Forgeur 14; f. 1826; Dir. M. F. QUINET; Admin. Sec. R. BOHET; Adjnt. Sec. A. MAWET; 44 professors; students taken from 8 years of age; all branches of music.

Ecole Nationale Supérieure d'Architecture et des Arts Décoratifs (*National School of Architecture and Decorative Art*): 21 abbaye de la Cambre, Brussels; f. 1926; Dir. L. STIJNEN; library: *see under* Libraries.

Insas (*Institut National Supérieur des Arts du Spectacle*): 54 rue de Namur, Brussels 1; f. 1962; for advanced studies in dramatic art, cinema and broadcasting technique, including television; 2-, 3-, 4-year courses; Dir. R. RAVAR.

Koninklijk Vlaams Conservatorium van Antwerpen (*Royal Flemish School of Music*): St. Jacobsmarkt 11, Antwerp; f. 1898.

Director: F. PEETERS.

Administrator-Secretary: P. PRUYM BOOM.

Library: *see under* Libraries.

Number of professors: 85.

Number of students: men 263, women 252.

Publication: *Jaarverslag van het Koninklijk Vlaams Muziek-Conservatorium van Antwerpen.*

Nationaal Hoger Instituut voor Bouwkunst en Stedebouw-Antwerpen (*National Higher Institute of Architecture and Town Planning*): Mutsaertstraat 31, Antwerp; developed by successive stages from Royal Academy of Fine Arts f. by Teniers in 1663; received present statute by Royal Acts of 1946 and 1952; library; Dir. Fr. DE GROODT, ARCH., Admin. L. REYNAERTS.

Nationaal Hoger Instituut voor Schone Kunsten-Antwerpen (*National Higher Institute of Fine Arts*): Mutsaertstraat 31, Antwerp; f. 1887; Dir. M. MACKEN; Admin. L. REYNAERTS; Scientific Librarian G. PERSOONS.

BOLIVIA

Population 3,509,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

La Paz

Academia Boliviana: fifteenth in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; Dir. Porfidio Díaz Machicao; Sec. Enrique Kempff Mercado; Censor Juan Quirós; mems. Casto Rojas, Augusto Guzmán, Guillermo Francovich, Luis Felipe, Lira Girón, Luis Taborga, Fernando Ortíz Sanz, Moisés Alcázar, Enrique Saint Loup, Rodolfo Salamanca, Alberto Ostria Gutiérrez (elected), Manuel Carrasco Jiménez (elected); publ. *Revista.*

Academia Nacional de la Historia (*National Academy of History*): Avenida Abel Iturralde 205; f. 1929; 18 mems.; Pres. Dr. David Alvestegui; Sec.-Gen. Dr. Humberto Vázquez-Machicado.

Academia de la Lengua Aymara (*Acad. of the Aymara Language*).

Alianza Francesa: 20 de Octubre 2119, Casilla 1517; Dir. Gaston Prince.

Amigos de la Ciudad (*Friends of the City Assn.*): Plaza del Teatro Núñez del Prado 576, Casilla 911; f. 1916; 518 mems.; Pres. Humberto Muñoz Cornejo; publ. *Boletín Informativo* (weekly).

Anglo-Bolivian Cultural Institute: Calle Bueno, esq. F. Zuazo; library.

Asociación de Arquitectos de Bolivia (*Assn. of Bolivian Architects*): Casilla 1498; f. 1942; 35 mems.; Pres. Arq. Hugo López Videla; Vice-Pres. Arq. Gustavo Knaudt; Sec. Arq. Fernando Calderón; Treas. Arq. Gonzalo Cisneros.

Bolivian Centre for Scientific and Technological Documentation: Avda. Mariscala Santa Cruz 1175; f. 1963.

Deutsch-Bolivianisches Kulturinstitut: Casilla Correo 2195.

Centro Intelectual Galindo: Oficina Mapiri; f. 1924; Pres. Ismael Sotomayor.

Círculo de Bellas Artes (*Fine Arts Centre*): Oficina Plaza Teatro; f. 1912; Pres. Ernesto Peñaranda.

Consejo Nacional de Educación (*National Council for Education*): Yanacocha 475.

Dirección General de Estadística y Censos (*Department of Statistics*): Calle Ayacucho 55; f. 1897.

Fundación Universitaria "Simón I. Patino": Comercio 819, Casilla 1265; awards grants to assist Bolivian universities, students and culture; Pres. Dr. Luis Ballivián Saracho; Sec.-Gen. Dr. Alberto Salinas López.

Instituto Criminológico de Bolivia (*Criminological Inst.*): f. 1914.

Instituto Geográfico Militar (*Inst. of Military Geography*): Colombia s/n.

Instituto Nacional de Comercio (*National Inst. of Commerce*): Campero 94; museum, library.

P.E.N. Club de la Paz (Centro Internacional de la Asociación P.E.N.) (*International P.E.N. Centre*): Calle Goitia 17, Casilla 149; f. 1931; 40 Bolivian mems., 7 from other South American countries; Pres. Dr. Casto Rojas; Vice-Pres. José Salmón Ballivián; Sec. Yolanda Bedregal de Cónitzer.

Servicio Agrícola Interamericano (*Interamerican Agricultural Service*): Experimental stations and Demonstration centres at Belén, La Paz and Patacamaya, La Paz; Magdalena, Riberalta, Santa Ana del Yacuma and Trinidad, Beni; Chapare, La Tamborada and Toralapa, Cochabamba; Chinoli, Potosí; General Saavedra and San Javier, Santa Cruz.

Sociedad Arqueológica de Bolivia (*Archaeological Soc. of Bolivia*): Av. Chacaltaya 500, Casilla 1487; Pres. Prof. Alberto Laguna Meave; Sec. Prof. Ernesto Aliaga Suárez. The Society is divided into the following seven sections: Geology (Head, Rev. Antonio María Sempere), Palaeontology (Head, Dr. Leonardo Branisa M.), Anthropology (Head, Dr. Manuel Liendo Lazarte), Prehistory (Head, Prof. Max A. Bairon), Folklore (Head, Prof. Antonio González Bravo), Native Affairs (Head, Dr. Remmy Rodas Eguino), Prehistoric Architecture (Head, Ing. Gustavo Sanginés); publ. *Anales de la Arqueología de Bolivia.*

Sociedad Geográfica de La Paz (*La Paz Geographical Soc.*): Casilla 632; f. 1889; Calle Tiahuanaco 12; depts. of Pre-History, History, Folklore, Geography; 580 mems.; Pres. Juan Cabrera García; publ. *Boletín.*

Sociedad Rural Boliviana (*Rural Soc. of Bolivia*): Comercio 420.

Cochabamba

Sociedad de Pediatría de Cochabamba (*Pædiatrics Soc.*): Casilla 1429; f. 1945; 14 mems.; Pres. Dr. Julio Corrales Badani; Sec. Dr. Moisés Sejas.

Potosí

Sociedad Geográfica y de Historia "Potosí" (*Geographical and Historical Soc.*): Casa de Moneda, Casilla correo 39; Pres. Armando Alba; Sec. Alberto Subieta Torres; publs. *Colección de la Cultura Boliviana*, 20 vols., *Boletín.*

Santa Cruz de la Sierra

Sociedad de Estudios Geográficos e Históricos (*Geographical and Historical Society*): Plaza 24 de Setiembre; f. 1903; Pres. (1963–65) Dr. Hernando Sanabria Fernández; Vice-Pres. Dr. Marcelo Terceros Banzer; Sec. Hernán Ardaya Paz; publ. *Boletín.*

Sucre

Ateneo de Medicina de Sucre (*Athæneum of Medicine*): Pres. Dr. Agustín Benávides; Vice-Pres. Dr. Alberto Martínez; Sec.-Gen. Dr. Romelio A. Subieta.

Instituto Médico "Sucre" (*Medical Inst.*): San Alberto 8 and 10, Casilla 82; f. 1895; 27 mems., 3 hon., and 130 corresponding; library of 8,000 vols., including *Flora Peruviensis* and 16th-century edition of *Aforismos de Hipocrates*, 6,000 pamphlets; research and production of vaccines and sera; Pres. Dr. Ezequiel L. Osorio; Sec. Dr. José Aguirre; Librarian Dr. Gustavo Vaca Guzmán; publ. *Revista* (quarterly).

Instituto de Sociología Boliviana (ISBO) (*Inst. of Sociology*): functions as Instituto de Seminarios de Ciencias Sociales; Apdo. 215; f. 1941; 90 mems.; investigates economic, juridical and sociological problems; incorporates a library and a museum; Dir. Rafael García Rosquellas; publ. *Revista del Instituto de Sociología Boliviana.*

Instituto de Vacuna Antivariolosa (*Smallpox Vaccination Inst.*): Dir. Dr. ARMANDO SOLARES ARROYO.

Sociedad Geográfica "Sucre" (*Geographical Soc.*): Plaza 25 de Mayo (the old Legislative Assembly); f. 1887; 21 mems.; library; Dir. Dr. ALFREDO JÁUREGUI ROSQUELLAS; publ. *Boletín*.

LIBRARIES

Cochabamba

Biblioteca Central de la Universidad Mayor de San Simón: Av. Oquedo-Sucre; 21,000 vols.; Dir. AUGUSTO GUZMÁN.

La Paz

Biblioteca Central de la Universidad Mayor de San Andrés: Av. Villazón 465; f. 1930; 70,000 vols.; Dir. PORFIRIO DÍAZ MACHICAO.

Biblioteca del Congreso Nacional (*Congress Library*): Palacio Legislativo; f. 1912; 15,000 vols.; newspaper library; rare works on history, travel, theatre, etc.; Dir. RICARDO CORTÉS ARAÑA; Sec. ROSA MARÍA MENDOZA; publ. *Reports of Congress*.

Biblioteca de la Dirección de Cultura: Departamento de Inspección Cultural y Biblioteca: Alacaldía Municipal, Casilla 1856; f. 1832; 130,000 vols.; Dir. EFRAÍN VALDÉS OLAVE.

Biblioteca del Ministerio de Relaciones Exteriores y Culto (*Library of the Ministry of Foreign Affairs*): Ingavi 310; f. 1930; 10,039 vols.; private library; Dir. Prof. PACÍFICO LUNA QUIJARRO.

Biblioteca Municipal "Mariscal Andrés de Santa Cruz" (*Municipal Library*): Plaza Franz Tamayo; f. 1838; 80,000 vols.; 8 brs.; Dir. GABRIEL MONTANO ARANIBAR.

Potosí

Biblioteca Central de la Universidad Mayor y Autónoma "Tomás Frías": Casilla No. 54, Ave. Villazón; f. 1957; 15,000 vols.; Dir. ADOLFO VERA DEL CARPIO.

Biblioteca Municipal "Ricardo Jaimes Freires": f. 1920; 30,000 vols.; Dir. LUIS E. HEREDIA.

Sucre

Biblioteca Central de la Universidad Mayor de San Francisco Xavier: Plaza 25 de Mayo, Apdo. 212; Dir. HUGO POPPE ENTRAMBASAGUAS.

Biblioteca y Archivo Nacional de Bolivia (*Nat. Library and Archives*): Calle Bolívar; f. 1836; 26,000 vols.; Dir. GUNNAR MENDOZA.

MUSEUMS

La Paz

Museo "Casa de Murillo": Calle Jaen 666; f. 1950; folk art; Dir. MAX PORTUGAL.

Museo Nacional de Arqueología (*National Museum*): Calle Tihuanacu 93, Casilla oficial 64; f. 1846, reinaugurated 1960; archæological and ethnographical collections; Lake Titicaca district exhibits; Dir. Prof. GREGORIO CORDERO MIRANDA; publs. *Anales del Museo*, *Centenario del Museo 1940*.

Museo Nacional de Arte: Calle Socabaya 485; f. 1961; Dir. ADOLFO DE MORALES.

Potosí

Museo Nacional de la Casa de Moneda de Potosí (*Nat. Museum of the Potosí Mint*): Casilla 39; f. 1938; art, machinery, coins, dies, and unpublished archives of Colonial period; archæology, modern art; Hon. Dir. ARMANDO ALBA; Dir. HUGO HURTADO SUBIETA; publ. *see under* Sociedad Geográfica y de História de Potosí.

The "Casa Real de la Moneda", the Royal Mint, of the Imperial City of Potosí, first founded 1572, later rebuilt 1759, now restored, is said to be the most outstanding civic monument of the Colonial period in South America.

Sucre

Museo Antropológico: Apto. Postal 212, Universidad Mayor, Real y Pontificia de San Francisco Xavier de Chuquisaca; f. 1944; sections of Archaeology, Ethnography and Folklore; exhibits include items relating to the pre-Inca civilisations; Dir. Prof. Dr. JOSÉ FELIPE COSTAS ARGUEDAS; publ. *Boletín Antropológico*.

Museo Colonial "Charcas": Universidad de San Francisco Xavier de Chuquisaca, Apto. 212; Dir. Dr. MANUEL GIMÉNEZ CARRAZANA.

Museo de Bellas Artes (*Museum of Fine Arts*).

UNIVERSITIES

UNIVERSIDAD MAYOR DE "SAN SIMÓN" DE COCHABAMBA

CASILLA 658, COCHABAMBA

Telephone: 5501.

Founded 1832.

Rector: RICARDO ANAYA (acting).
Vice-Rector: Dr. JOSÉ REYES MORALES.
Secretary-General: Dr. LUIS FELIPE GUZMÁN.
Librarian: Dr. AUGUSTO GUZMÁN MARTÍNEZ.

Library contains 19,405 volumes.
Number of professors: 162.
Number of students: 1,174 men, 255 women, total 1,429.

DEANS:

Faculty of Law, and Social and Political Sciences: Dr. RENATO CRESPO PANIAGUA.
Faculty of Medicine: Dr. ALBERTO REQUENA TABORGA.
Faculty of Biochemistry and Pharmacy: Dr. MARIO GUZMÁN MORALES.
Faculty of Odontology: ALFONSO GALINDO QUIROGA.
Faculty of Agriculture: Ing. RENÉ SAAVEDRA ANTEZANA.
Faculty of Economic Sciences: Dr. RICARDO ANAYA ARZE.
Faculty of Physics and Mathematics: Arg. J. ANTONIO TAPIAS VILLAGRASA.
Practical School of Agriculture: QUERUBÍN DE LA ZERDA (*Director*).
Department of Culture: EDUARDO OCAMPO MOSCOSO (*Director*).
Department of Applied Botany: MARTÍN CÁRDENAS HERMOSA (*Director*).
Archæological Museum: E. IBARRA GRASSO (*Director*).

PROFESSORS (*Catedráticos*):

Faculty of Law and Social, Economic and Juridical Sciences:
ANAYA A., RICARDO, Public and Political Law
AYALA M., HERNÁN, Political Economy
CORNEJO S., ALBERTO, Social Legislation
CRESPO P., RENATO, History of Law
CUADROS M., ALFREDO, Finance and Statistics
D'AVIS SAENZ, JULIO A., Administrative Law
DAZA ONDARZA, ERNESTO, Constitutional Law
GUZMÁN, LUIS F., Penal Law and Criminology
LÉVY M., C. ENRIQUE, Mineral Law and Agrarian Legislation
LÓPEZ L., JULIO, Criminal Procedure and Forensic Practice
MARISCAL, PEDRO, Forensic Medicine
MENDIZÁBAL, ALFREDO, Civil Law—Part II

OLGUÍN, JOSÉ A., Introduction to Study of Law and Jurisprudence
QUIROGA, CASIMIRO, Civil Procedure
SALAZAR S., ANTONIO, Public International Law
TORRICO SIERRA, JOSÉ, Commercial Law
URQUIDI M., ARTURO, Sociology
ZABALAGA, LUCIO, Roman Law
ZEGADA, JOSÉ A., Civil Law—Part I

Faculty of Medicine:
ADRIÁZOLA, CÉSAR, Psychiatry
ARANÍBAR O., CARLOS, Pathology and Clinical Medicine
ARZE L., RICARDO, Urology
AYALA G., ALEJANDRO, Semeiology and Clinical Propædeutics
BARRERO, JORGE, Tuberculosis
CAPRIROLO C., CARLOS, Physical Pathology
CORRALES B., JULIO, Hygiene and Social Medicine
D'AVIS SAENZ, CARLOS, Clinical Medicine
FERNÁNDEZ L. F., ANTONIO, Topographical-Descriptive Anatomy—Part I, and Pathological Anatomy
GALINDO Q., WALTER, Pathology and Clinical Surgery
GUZMÁN LÓPEZ, ALBERTO, General Medical Physics
HARTMANN, JOSÉ A., General Biology, Embryology, Dermatology
LÓPEZ BLANCO, ROBERTO, Bacteriology and Immunology
LÓPEZ SUÁREZ, JOAQUÍN, Gynæcology
MALDONADO S., BENJAMÍN, Therapeutics and Radiology
MALDONADO S., HUGO, Topographical-Descriptive Anatomy—Part II
MALDONADO SOLÍS, RAÚL, Surgical Pathology
MARISCAL LEDEZMA, PEDRO, Forensic Medicine
MEDRANO, JOSÉ N., Pædiatrics
MELEÁN LÓPEZ, AURELIO, Histology
MOSCOSO Z., GASTÓN, Dietetics
MOSTAJO, JORGE, Ophthalmology
NAVARRO, JOSÉ M., General and Specialised Physiology
REQUENA TABORGA, ALBERTO, Surgical Pathology
RODRÍGUEZ, HUMBERTO, General Medical Chemistry
RODRÍGUEZ RIVAS, JULIO, Clinical Medicine
ROJAS T., JORGE, Oto-Rhino-Laryngology
SARACHO, EDUARDO, Parasitology and Tropical Diseases
TRIGO, ADRIÁN, Neurology
VELASCO, BELISARIO, Biochemistry
VILLAROEL, JULIO, Technique of Surgery

Faculty of Biochemistry and Pharmacy:
ASBÚN LAMA, WADY, Industrial Chemistry
BRIANZÓN, JAIME, General Biology
ESPINOZA, JOAQUÍN, Pharmacognosy
GUZMÁN, COCA J., Chemistry, Industrial Pharmacy
GUZMÁN MORALES, GONZALO, Clinical Analysis
GUZMÁN M., MARIO, Bromatology, Nutrition, Toxicology and Pharmaceutical Chemistry
KLÜGER, JULIO, Pharmaceutical Physics
LÓPEZ BLANCO, ROBERTO, Functional Analysis and Pharmaceutical Chemistry
MÉNDEZ CASTRO, HERNÁN, Galenic Pharmacy, Deontology, History of Chemistry and Pharmacy
MONTAÑO, JOSÉ E., Pharmaceutical Botany
ORTÍZ A., MARIO, Pharmacodynamics
RIVAS TORRICO, FEDERICO, Organic Chemistry
TAPIAS VILLAGRASA, ANTONIO, Functional Analysis and Mathematics
VELASCO Z., BELISARIO, Analytical Chemistry and Biochemistry

Faculty of Odontology:
APONTE, JULIO C., Child Dentistry
BAUER DE FROEHLE, LUCY, Orthodontics and Ceramics
BRIANZÓN, JAIME, General and Embryonic Biology
CABRERA QUEZADA, EDGAR, Therapeutics
CANEDO OSTRIA, RENÉ, Dental Surgery
CAPRIROLO, CARLOS, Physical Pathology
CASTRO, CELIAR, Specialised Anatomy
CORRALES BADANI, JULIO, Hygiene and Social Medicine
GALINDO, ALFONSO, Radiology and Parodontics
GUARDIA PALOMO, HUGO, Radiology
KLÜGER, JULIO, Bio- and Applied Physics
LÓPEZ BLANCO, ROBERTO, Bacteriology
MALDONADO SUÁREZ, BENJAMÍN, Therapeutics and Pharmacology
MELEÁN LÓPEZ, AURELIO, Histology
NAVARRO, JOSÉ M., Human Physiology
REYES MORALES, JOSÉ, Oral and Dental Pathology and Prosthesis
RODRÍGUEZ QUEVEDO, HUMBERTO, Medical Chemistry
ROJAS T., JAIME, Surgery and Exodontics
SALCEDO L., ALBERTO, Crowning
VELASCO, BELISARIO, Biochemistry

Faculty of Agriculture:
ANTEZANA, LUCIO, Agricultural Extension
ARANÍBAR, ANTONIO, Dairying
AVILA LAZO, GUILLERMO, Agriculture—Part I
BOLWEG, DIETER, Agriculture—Part II
CABALLERO, RAÚL, Organic, Analytical and Agricultural Chemistry
CÁRDENAS, MARTÍN, Genetics and Economic Botany
COCA ACHÁ, JOSÉ, Zootechnics
CORONEL, ABEL, Agrarian Economics
COSSÍO MONTAÑO, CARLOS, Statistics, Biometry and Phytotechnics
ESPINOZA C., JORGE, Agricultural Geology
GEBHART, ERNESTO, Agricultural Hydraulics
GOYTIA, DELFÍN, Forestry
HERBAS, REMBERTO, Phytopathology
MERCADO, RAÚL, Anatomy, Physiology, and Veterinary Hygiene
MURILLO DAZA, HUGO, Plant Technology
OVANDO, WENCESLAO, Agricultural Machinery
PONCE MONTÁN, WALTER, Agrarian Legislation
PRADA, ROBERTO, Meteorology and Climatology
ROCHA, DANIEL, Higher Mathematics
SAAVEDRA, RENÉ, Fruit Cultivation and Horticulture
TERRAZAS, FERRUFINO L., Agricultural Entomology
TERRAZAS, MONTANO I., Animal Health
TORRICO, OSCAR, Higher Mathematics
URQUIDI, JORGE, Rural Building
UZEDA, ANDRÉS, Botany
VARGAS PINTO, ALEJANDRO, Topography
ZERDA, QUERUBÍN DE LA, Zootechnics

Faculty of Physics and Mathematics:
ANAYA, FRANKLIN, Architectural Composition
ARDAYA, WALTER, Geometry and Descriptive Geometry
BALDERRAMA CAMACHO, ARTURO, Analytic Architecture
BELTRÁN, IVÁN, Wood Carving
BUSTOS, DANIEL, Perspective
EDUARDO SAENZ, ERNESTO, Geology and Hydraulics
FERREL, LEONARDO, Hygiene
GAMBOA, HERNÁN, Rational Arithmetic
GUARDIA, ALEJANDRO, Plastics, Modelling
GUZMÁN, M. MARIO, Chemistry
MALDONADO, JORGE, Rational Mechanics
MELEÁN, PEDRO, History and Geography
MORALES P. S., JORGE, Arithmetic, Algebra and Trigonometry
PAREJA MARISCAL, OSVALDO, Typography
PEREDO, HÉCTOR, Graphic Statics, Resistance of Materials
PEREDO, JAIME, Electricity
PICTOR BLANCO, RICHARD, English
RAMALO MENDOZA, JUAN, Editing, Orthography and Method
SEGURA, JOSÉ R., Materials
TAPIAS, ANTONIO J., Reinforced Concrete
TAPIAS, ENRIQUE, Physics
VARGAS, DAVID, Algebra and Analytical Geometry

Faculty of Economic Sciences:
ANAYA A., HÉCTOR, Mathematical Analysis
ANAYA OBLITAS, IVÁN, Economic Theory and Plane Geometry
ANAYA, RICARDO, Constitutional Law
ARANÍBAR CUETO, AUGUSTO, Building Theory
ARNEZ, ROBERTO, Economic History
CASTELLÓN, EDUARDO, Geometry, Infinitesimal Calculus
COSSÍO SALINAS, HÉCTOR, Administrative Law
CUADROS M., ALFREDO, Public Finance and Financial Policies
DAVID PEREYRA, ERNESTO, Labour Legislation
D'AVIS, JULIO A., Administrative Law
FUNES YÁÑEZ, LEÓNIDAS, Building Costs and Estimates
MENDIZÁBAL, ALFREDO, Introduction to Law
POOL, GASTÓN, Insurance
POZO, HERACLIO, Government Finance, Accountancy of Banks
RAMOS OSINAGA, MOISÉS, Economics
ROCHA, DANIEL, Financial Mathematics
ROMERO AMÉZAGA, LUIS, Political Economy
RUÍZ GONZÁLEZ, RAÚL, Economic Theory
TORRICO SIERRA, JOSÉ, Mercantile Law
VARGAS, DAVID, Actuarial Methods
VARGAS V., JULIO, Economic Geography
VEGA L., JOSÉ, Cost Accountancy
VILLAZÓN, ELÍAS, Accountancy of Public Corporations, Auditing

Practical School of Agriculture:
AGUILAR, DANIEL, Fruit Crops
AGUILAR, HÉCTOR, Cattle and Dairy Farming
CASTELLÓN, LUIS, Animal Breeding
GOITIA ESTRADA, DELFÍN, Agriculture, Parts I & II
GOITIA ESTRADA, JUAN J., Mathematics and Land Surveying
GROSBERGER ZAMBRANA, JUAN J.

UNIVERSIDAD CATÓLICA DE COCHABAMBA

COCHABAMBA

Founded 1964.

UNIVERSIDAD MAYOR DE "SAN ANDRÉS"

AV. VILLAZÓN 465, LA PAZ

Founded 1830.

Rector: Dr. Ing. JORGE MUÑOZ-REYES.
Vice-Rector: Dr. CASTO PINILLA B.
Secretary-General: Dr. JAIME ITURRI SALINAS.

Number of teachers: 273.

DEANS:

Faculty of Law: Dr. JAIME PRUDENCIO COSSÍO.
Faculty of Economics: Dr. EDUARDO NAVA MORALES.
Faculty of Philosophy and Letters: Dr. RUBÉN CARRASCO DE LA VEGA.
Faculty of Medicine and Surgery: Dr. JACOBO ABULARACH.
Faculty of Odontology: Dr. HUGO PÉREZ SALMÓN.
Faculty of Pharmacy and Biochemistry: Dr. LUIS SUÁREZ V.
Faculty of Architecture: Arq. GUILLERMO WILDE DEL CASTILLO.
Faculty of Civil Engineering: Ing. HUGO MANSILLA ROMERO.
Faculty of Industrial Engineering: Ing. ANTONIO SCHOLZ ABASTO.

DIRECTORS:

Institute of Exact Sciences: JORGE JÁUREGUI CANÉVARO.
Regional Institute of Geology: Ing. CELSO REYES.
Technical School: Ing. ENRIQUE LLANOS.

PROFESSORS:

Faculty of Law:
ANTEZANA PAZ, FRANKLIN, Political Economy
ARÁOZ LEVY, GASTÓN, Sociology
BALLIVIÁN SARACHO, LUIS, Civil Law
BEDREGAL, GUILLERMO, History of Law
CAJÍAS, HUÁSCAR, Criminology
CAREAGA, ALFREDO, Public Finance
FLORES, WALTER, Penal Law
LOAYZA VARELA, MARIO, Forensic Practice
MALDONADO, ABRAHAM, Agrarian Law
MOSCOSO DELGADO, JAIME, Introduction to Law
OJARA, MARIO, International Public Law
OROPEZA, NÉSTOR, Philosophy of Law
ORTÍZ PINTO, AGUSTÍN, Civil Law
PACHECO JIMÉNEZ, ISAIAS, Mining Law
PÉREZ PATÓN, ROBERTO, Law of Labour
PRUDENCIO COSSÍO, JAIME, International Private Law
RE VILLA QUESADA, ALFREDO, Administrative Law
ROMERO LINARES, RAÚL, Civil Law
SALCEDO, JOAQUÍN, Forensic Medicine
SANSOE, GIOVANNI, Roman Law
SARDON, RUBÉN, Civil Procedure
TERRAZAS TORREZ, CARLOS, Civil Law
VALENCIA VEGA, ALIPIO, Political and Constitutional Law

Faculty of Economics:
ARTEAGA, MOISÉS, Pure Mathematics
AVERANGA, ASTHENIO, Theory of Economics
BELZU MUÑOZ, FRANCISCO, Economics of Money and Credit
BEDREGAL RODÓ, LUIS, Financial Mathematics
BRAVO, FERNANDO, General and Economic Geography of Brazil
CAJÍAS, JAIME, Basic Accountancy
CANELAS, RENÉ, Administrative and Constitutional Law
CAPRILES, REMBERTO, Security and Social Law
CLAVEL, LUIS G., Mercantile Law
ESPEJO, MARIO, Higher Mathematics
FERNÁNDEZ, EDUARDO, Basic Accountancy
FERNÁNDEZ RIERA, JOSÉ, Auditing
GALLARDO, JORGE, Economic Theory
LAZO DE LA VEGA, OCTAVIO, Sociology
MANNIG, JAIME, General History and History of Bolivia
MENDIZÁBAL, REYNALDO, Social and Economic Structure of Bolivia
MERCADO, MANUEL, Mathematical Statistics
NAVA MORALES, EDUARDO, History of Economic Thought
PAZ SOLDÁN, JOAQUÍN, Economics of Money and Credit
REVOLLO, ALFONSO, International Commerce
REVOLLO, MANUEL H., Advanced Accountancy
RÍOS BELTRÁN, RAÚL, Econometrics
RODRÍGUEZ, FRANCISCO, Public Finance
RODRÍGUEZ, JAIME, Economics of Industry and Labour
ROLÓN ANAYA, MARIO, Sociology
SALAZAR SALMÓN, HUGO, Mining and Agrarian Economics
TRIGOSO, JUAN, Mathematical Analysis Part II
VALDEZ, ABELARDO, Actuarial Mathematics

Faculty of Philosophy and Letters:
CARRASCO DE LA VEGA, RUBÉN, Anthology, Logic and Philosophy
FERNÁNDEZ NARANJO, NICOLÁS, Ethics
FISCHER, ERICH, German
FRÍAS, MARIO, Latin
GUILLÉN, HERIBERTO, Pedagogy
IMAÑA CASTRO, TEODOSIO, Greco-Roman Literature
LIENDO LAZARTE, MANUEL, Biology
MACÍAS, LUIS, English
MESA, TERESA DE, Bolivian Culture and History
MIGUEL, BENJAMÍN, Metaphysics and Æsthetics
MIRANDA PACHECHO, MARIO, Modern Philosophy and Introduction to Philosophy
MONJE, ZACARÍAS, Archæology
OSSIO, LUIS, Introduction to History
QUIRÓZ, JUAN, Castillian and Spanish Literature
SORIANO, ARMANDO, Introduction to Literature
VIDAUREE, JOSÉ A., Religions

Faculty of Medicine and Surgery:
ABULARACH, JACOBO, Pathological and Clinical Surgery
ALVARADO, JOSÉ M., Psychiatry
ARAMAYO, JULIO M., Obstetrics
ARCE CASTRILLO, LEÓN, Physiology
ARINEZ ZAPATA, EDMUNDO, Pathology and Clinical Surgery
AYO, ULPINO, Radiology and Physiotherapy
BOTHELO, VIDAL, Therapeutics
CALDERÓN, RENÉ, Medical Psychology
CANELAS, VÍCTOR, Neurology
ELÍAS M., ABEL, Forensic Medicine and Toxicology
GARCÍA, JUAN M., Technical Surgery
GÓMEZ, VALENTÍN, Surgery and Pathology
HUMBOLDT, FERDIN, Normal Histology
HURTADO GÓMEZ, LUIS, Pediatrics
JAUREGUI, GUILLERMO, Pathology and Clinical Medicine
MACHICAO, NICANOR, Pathological Anatomy
MADUEÑO, SERAPIO, Physiology
MEJÍA, FLORENTINO, Descriptive Anatomy
MENDIZÁBAL, GREGORIO, Hygiene and Public Health
MENDOZA, GREGORIO, Urology
MERCADO, RODOLFO, Tropical Pathology
MONASTERIOS, REMBERTO, Ophthalmology
MORAES, JOSÉ, Topographical Anatomy
MORALES, ARMANDO, Pathological and Clinical Medicine
MORALES, ISMAEL, Clinical Medicine
PINILLA BARRANCO, CASTO, Physical Biology
RAMÍREZ, MARIO, Embryology
ST. LOUP, ENRIQUE, Gynæcology
SUÁREZ QUIROGA, JORGE, Dermatosiphilography
TRUJILLO, LAURENCIO, Clinical Biology
VALVERDE, LUIS, Parasitology

Faculty of Odontology:
ANTEZANA ESTRADA, JOSÉ, Public Health and Hygiene
ARDILES, JOSÉ, Prosthesis of Crowning and Bridging
BUSTILLOS, JUAN, Forensic Odontology
CABALLERO, ARMANDO, Physiology
CARDOZO, ALDO, Dental Pathology
CARRASCO, ARMANDO, Therapeutics
CARRETERO, JUAN, Prosthesis of Crowning and Bridging
DEL CASTILLO, HUGO, Maxillo-Facial Surgery
DE LA G. MURILLO, HUGO, Inorganic Chemistry
ESTENSSORO, JORGE, Semeiology
GUAMÁN, FLORENCIO, Pathological Anatomy
HURDAY, ALEJANDRO, Organic Chemistry
KNAUDT, JOSÉ, Clinical Bacteriology
MENA, RIGOBERTO, Surgery
PÉREZ SALMÓN, GUILLERMO, Physiology
PÉREZ SALMÓN, HUGO, Dental Operations
PIÉROLA, LUIS F., Embryology
PINELL DEL CASTILLO, LUIS, Materia Dentica
PRUDENCIO, OSCAR, Paradentosis
RÍOS MOSCOSO, JORGE, Prosthesis of Plates
SARDÓN, RAFAEL, Topographical Anatomy
TRIGO, HERNÁN, Infantile Odontology
VALDÉS, VICTOR R., Ceramics
VON BORRIES, TEODORO, Estomatology
ZAATA, JORGE, Maxillo-Dental Surgery

Faculty of Pharmacy and Biochemistry:
CASTILLO, ALFREDO DEL, Pharmacognosy
CERNADAS, CARLOS, Biochemistry and Clinical Analysis
CRIALES, ALFONSO, Pharmaceutical Botany
GAMBEROS, HUMBERTO, Inorganic Chemistry
GUERRA MERCADO, JUAN, Microbiology
MACHICAO, EDUARDO, Toxicology
MANRIQUE, RAYMUNDO, Bromatology
MOYANO, JAIME, Applied Mathematics and Chemistry
OCAMPO, ADALID, Organic Chemistry
ROCABADO, LEONIDAS, Physical Pharmaceutics
SUÁREZ, LUIS, Galenic Pharmacy
VALDIVIA, LUIS, Chemical Biology
ZALLES, ALFONSO, Analytical Chemistry
ZUBIETA, GUSTAVO, Physiology and Comparative Anatomy

Faculty of Architecture:
Aguilar Zenteno, Joaquín, Reinforced Concrete
Almarez A., Hugo, Modelling
Aranibar, L. Graciela, Regional Planning
Ascarrunz V., Adolfo, Hygiene and Equipment of Buildings
Ballon, S., Jorge, History of Art
Carrasco A., Gustavo, Architectural Drawing
Cernadas E., Javier, Architectural Workshop
De Mesa, José, History and Analysis of Architecture
Hurtado de Mendoza, Raúl, Architectural Workshop
Knaudt C., Gustavo, Architectural Workshop
López Z., José, Architectural Workshop
Mier Revilla, Roberto, Architectural Legislation
Miraada Pacheco, Mario, Philosophy of Art
Muñoz, Roberto, Mechanics as applied to Buildings
Murillo S., Walter, Architectural Drawing
Pérez Ribero, Ernesto, Architectural Workshop
Reyes E., Hugo, Construction of Buildings
Rivera Escobar, Hugo, Regional and Urban Planning
Rojo F., José A., Decorative Composition
Wilde del C., Guillermo, History and Analysis of Architecture

Faculty of Civil Engineering:
Alarcón, Abelardo, Mechanics and Technical Machinery
Azcuí I., Roberto, Bridges
Bilbao Llano, Pedro, Projects
Díaz Blanco, Antonio, Legal Engineering
Echazú, Alberto, Economics and Administration
Mansilla Romero, Hugo, Resistance and Materials
Monje Gómez, Luis, Hydraulics
Navajas M., René, Railways
Navarro F., Carlos, Soil Mechanics
Ossio, Luis, Constructions
Urquidi, Ricardo, Applied Geology and Engineering
Zubieta, Magín, Mathematics

Faculty of Industrial Engineering:
Caballero, José B., Exploitation
Castrillo, Hugo, Calculus and Chemical Engineering
Daroca, Adhemar, Projects and Estimates
Echalar, Agustín, Mechanism and Calculus of Machinery
Espinoza, Bernardino, Fluid Mechanics
Fernández, Alfonso, Extractive Industries
Gonzales, Eduardo, Mechanical Technology
Gonzales, Walter, Resistance and Structure
Honcharencko, Victor, Geology of Petroleum
Jung, Jorge, Organic Technology
Klingen, Leo, Mathematics
Lazo Paz, Alfonso, General Electronics
Leo J., Hans, English Techniques
Mariaca, Enrique, Building Mechanics
Morató, Rafael, Transport of Petroleum and Gas
Mustafa, Jorge, Petroleum and Gas Laboratory
Najera, René, Thermodynamics
Pereira F., Juan, Economics and Administration
Prada, Raúl, Special Electrotechnics
Ríos, Gastón, Electro-Chemistry
Ríos C., José, Organic Chemistry
Scholz, Antonio, Industrial Welfare and Security
Silva, Hugo B., General Metallurgy
Tavolara, Jaime, Technology of Air Transport
Tejada, Miguel, Petroleum Industry
Zalesky, George, Special Metallurgy

Institute of Exact Sciences: 9 Professors.

Regional Institute of Geology: 18 Professors.

Technical School: 20 Professors.

UNIVERSIDAD MAYOR Y AUTÓNOMA "TOMÁS FRÍAS"

AVENIDA DEL MAESTRO s/n,
CASILLA No. 36, POTOSÍ
Telephone: 1263.
Founded 1892.

Rector: Dr. Abelardo Villalpando R.
Vice-Rector: Ing. Raúl Salazar Rendon.
Secretary-General: Dr. Eustaquio Bilbao Rioja.
Secretary: Dr. Eddy Delgadillo R.
Director of the Department of Culture: Daniel Zambrana Romero.

Library of 15,738 volumes.
Number of teachers: 137.
Number of students: 1,200.
Publications: *Revista Universidad, Boletín Vida Universitaria,* etc.

Deans:

Faculty of Law, Political and Social Sciences: Dr. Feliciano Torrico.
Faculty of Engineering: Ing. Raúl Salazar R.
Faculty of Economics: Dr. Lic. Rómulo Chumacero.

Directors:

Academy of Fine Arts: Prof. Milguer Yapur.
Academy of Languages: Francisco Matijasevíc.
Institute of Commerce: Prof. Francisco Iñiguez.
Institute of Technical Training: Juan J. Navarro.
Institute of Trade Union Organisation: Dr. Conrado Moscoso.
Institute of Agriculture: Agr. Napoleón Velasco.

Professors (*Catedráticos*):

Faculty of Law, Political and Social Sciences:
Ayala, Justo P., Civil Law
Aléman, Héctor U., Mining Law and Petroleum Legislation
Bilbao R., Eustaquio, Commercial and Banking Law
Bohórquez Hugo R., Philosophy of Law
Cabezas, Alberto, Medical Law
Calderón, A. Ricardo, Forensic Law
Chacón Z., Alfredo, Civil Law
Delgadillo R., Eddy, Agrarian and Industrial Law
Dérpic M., Jorge, Political Economy
Espinoza, José G., Administrative Law
Flores C., Max, Political and Constitutional Law
Medrano Ossio, José, Penal Law and Criminology
Mendoza, Carlos, Roman Law and History of Law
Serrano P., Alfredo, Finance, Statistics and Taxation
Soliz C., Alfredo, Procedural and Penal Law
Torrico T., Feliciano, International Public and Private Law
Villalpando R., Abelardo, Labour Law and Social Politics
Vivado, Ricardo, Procedural Civil Law

Faculty of Engineering:
Ascarrunz, Raúl, Geology, Geomorphology, Geo-Chemistry
Avila, Raúl, Wells, Shafts
Caóipa, Leñidas, Concentrations, Metallurgy
Chacón G., Francisco, Elementary Mathematics
Escóbar, Flavio, Elementary Physics
González, Ing. Juan, Statics, Structures, Resistance of Materials
Iturralde, Carlos, Chemical Analysis
Liendo, Julio, Highways Engineering
Manzano, René, Topography, Railway Engineering
Mirando, Ricardo, Chemical Analysis
Ovando, Guillermo, Architecture, Organisation and Urbanism
Pedrazas, Gualberto, Political Economy and Legislation
Revollo A., Rafael, Exploitation of Mines
Ríos R., Eduardo, Mathematics and Physics
Rivera C., Benigno, Soil and Railway Mechanics
Salazar R., Raúl, Mineral Deposits, Exploitation of Minerals
Sánchez S., Jorge, Technical Drawing and Descriptive Geometry
Sánchez M., Luis, Hydraulics, Sanitary Engineering
Sandoval A., René, Mineral Economics and Subterranean Mensuration
Tórrez, Julio, General and Organic Chemistry
Trigosó, Juan, Reinforced Concrete, Bridges
Zubieta, Fermín, Mineralogy, Mineral Structures
Zuleat C., Máximo, Topography

Faculty of Economics and Finance:
Bonifaz, Oscar, Agrarian and Mining Economy
Calderón, Jaime, Public Finance
Campos Ll., Alberto, Industrial Economy and Transport
Celis, Jaime R. de, Monetary Economy
Chacón Z., Alfredo, Social Structure and Economy of Bolivia
Chacón T., Francisco, Financial and Actuarial Mathematics
Chumacero, Rómulo, Economic Theory, Economic Development
Duarte A., Humberto, Theory of Economic Cycles
Espada, Serapio, Statistics
Espinoza G., José, Civil and Administrative Law
Ibieta, Francisco, Mathematics
Miranda, Julio, Statistics and Demography
Molina, Vidal, Statistics
Pérez P., Augustín, Basic Accountancy
Pérez A., Ismael, Accountancy
Rocha, Antonio, Geography and History of Economics
Torrico, Feliciano, International Law
Villalba, Primo, Auditing
Villegas S., Antonio, Higher Accountancy
Zambrana R., Dulfredo, Mercantile and Social Law

Academy of Fine Arts:
ABASTOFLOR, LÍA DE, Theory of Piano
ARÉVALO, ANGEL, History of Music
BOHÓRQUEZ, RICARDO, Sculpture
DÍAZ T., JOSÉ, Piano Technique
IPORRE S., ALBERTO, Theory of Piano
IPORRE S., HUMBERTO, Piano
LOAIZA O., ALFREDO, Drawing
MERILES, RENÉ, Engraving
PICOLOMINI, BELISARIO, Solfeggio
ROCHA, BLANZA Z. DE, Piano
TAPIA, LUIS, Anatomy of Art
VALLEJO R., OSCAR, Violin, Contrabass, 'Cello
YAPUR, MILGUER, Painting

Academy of Languages:
BALDIVIESO, ROBERTO, Preparatory English
BONIFAZ, OSCAR, Advanced English
DELGADILLO, ELISABETH DE, German
ILLANES, FRANCISCO, Elementary English
MATIJASEVÍC, FRANCISCO, English
SOLIZ O., AIDA, Phonetics and Conversation
TÓRREZ, RÓMULO, French
ZAMBRANA, HUMBERTO, English

School of Political and Trade Union Studies:
CALDERÓN, Dr. FERNANDO, Politics
GUERRA, SALVADOR, Culture
HERRERA, JAIME, Introduction to Law
MONZÓN, SANTIAGO, University Extension Studies
MOSCOSO, Dr. CONRADO, Social Studies
ZILVETY, NEREO, Law

School of Technical Training:
CAMPOS, ALBERTO, Technical Drawing
CAREAGA, MARCO A., Radio-Technics
DANTE P., JERIA, Motors and Strength of Materials
ESPINOZA, REBECCA DE, Domestic Economy
FLORES, FAUSTO, Electricity
HOCHKOFLER, MARUJA DE, Weaving
JALDÍN, SERAFÍN, Mechanics
MANSILLA R., VIRGILIO, Arithmetic
NAVARRO, JUAN J., Industrial Security
OSSIO, LILIAN DE, Decorative Art
URQUIETA, FELIPE, Physics, Chemistry
ZULETA, A. JUAN, Spanish

School of Commerce:
ARAUJO V., EDUARDO, Spanish
AVENDANO, RUBÉN, Preparatory Studies
BASCONEZ, MANUEL, Geography
COSTAS, URBANO, Accountancy
DAVILA, RENÉ, Mechanography
ESTRADA, DEMETRIO, Mathematics
IÑIGUEZ, FRANCISCO, Arithmetic
IPORRE V., ALBERTO, Typing
MOLINA, VIDAL, Higher Accountancy
PANTOJA, ALFONSO, English
PÉREZ P., AUGUSTÍN, Accountancy
PÉREZ, ISMAEL, Industrial Accountancy
RODRÍGUEZ, LUIS, Trade and Mercantile Documents
TORRICO, RAÚL, Social Hygiene
VILLALPANDO, JUAN, Political Economy

School of Agriculture:
CHÁVEZ, NEPTALI, Horticulture and Agricultural Machinery
POZO, OCTAVIO, Preparatory Studies
VALDA, ARMANDO, Agricultural Anatomy and Morphology
VELASCO, JOSÉ M., Phytopathology, Entomology, Botany and Climatology
VELASCO, WALTER, General Zootechnics, Veterinary Science

UNIVERSIDAD MAYOR "GABRIEL RENÉ MORENO"

PLAZA 24 DE SEPTIEMBRE, SANTA CRUZ DE LA SIERRA

Founded 1880.

Rector: DARÍO SOCURO ARTEAGA.

Secretary-General: Dr. HUMBERTO PARADA CARO.

Library of 7,000 volumes.

Publications: *La Universidad, Revista Universitaria* (quarterly).

DEANS AND DIRECTORS:

Faculty of Law, Political and Social Sciences: Dr. CELSO CASTEDO BARBA.
Faculty of Economics and Finance: RÓMULO SORUCO.
Faculty of Veterinary Medicine: Dr. JORGE VACA PEREIRA.
Technological Institute: Cap. AUGUSTO VALENCIA (*Director*).
School of Agriculture: Dr. FELICIANO JORDÁN (*Director*).
School of Fine Arts: NICOLÁS MENACHO T. (*Director*).
Universidad Popular: MARIO IBÁÑEZ L. (*Director*).

As no professor list has been received this year or last from the Universidad Mayor "Gabriel René Moreno", the list has been deleted from the present edition.

UNIVERSIDAD MAYOR, REAL Y PONTIFICIA DE SAN FRANCISCO XAVIER DE CHUQUISACA (Universidad Nacional Autónoma)

APARTADO 212, SUCRE

Founded 1624 by Papal Bull of Gregory XV dated 1621 and Royal Charter of Philip III, 1622.

Rector: Dr. ANICETO SOLARES.
Vice-Rector: Dr. GUSTAVO MEDEIROS QUEREJAZU.
Secretary-General: Dr. JOSÉ IPIÑA DELGADILLO.
Head of the Department of Information and Culture: Dr. MARCEL VARGAS VACAFLOR.
Director of the Colonial "Charcas" Museum: Dr. MANUEL GIMÉNEZ CARRAZANA.

Library: f. 1942; 15,000 vols., also collection of pamphlets; Law Faculty and Social Science Library, 32,000 vols.; Faculty of Medicine Library, 5,000 vols.; Faculty of Economics Library, 1,800 vols.

Number of teachers: 224.
Number of students: 1,546.

Publications: *Universidad* (quarterly), *Revista de Estudios Jurídicos, Sociales y Políticos* (organ of the Faculty of Law), *Archivos Bolivianos de Medicina* (organ of the Faculty of Medical Science), *Revista del Instituto de Sociología Boliviana, Revista del Centro de Estudiantes de Derecho, Revista de Estudios Económicos y Financieros,* and scientific and literary works.

DEANS:

Faculty of Law, Political and Social Sciences: Dr. ROBERTO ALVARADO.
Faculty of Medicine: Dr. RICARDO BACHERER GUTIÉRREZ.
Faculty of Economics and Finance: Lic. FERNANDO ARDÚZ E.
Faculty of Odontology: Dr. CARLOS TÉLLEZ ORIAS.

DIRECTORS:

School of Agronomy: Agr. AGUSTÍN COLQUE.
School of Languages: Prof. JULIA TORRES ORO.
School of Chemistry and Pharmacy: MARÍA LUISA HENRICH.
School of Obstetrics and Nurses: Dr. MARIO RIVERA CORTÉZ.
School of Plastic Arts: JORGE URIOSTE.
School of Chemical Engineering: Ing. PASTOR BALDIVIESO.
People's University: Dr. HUGO POPPE ENTRAMBASAGUAS.

PROFESSORS:

Faculty of Law, Political and Social Sciences:
ACHÁ, HERNANDO, Political and Constitutional Law
ALVARADO, ROBERTO, General and American Sociology
ARCE, ALFREDO, Finance and Statistics
ARDUZ, HÉCTOR, Administrative Law
BONIFAZ, MIGUEL, Legislation concerning Indians
CAMACHO, ADRIÁN, Roman Law
DUCHÉN LOZADA, H., Administrative Law
DURÁN, MANUEL, Criminal Law
FRERKING S., OSCAR Labour Laws, Social Politics
GAMARRA, DANIEL, Political Economy
GARCÍA, RAFAEL, Legal Philosophy
MEDEIROS QUEREJAZU, GUSTAVO, Civil Law
MORALES Y U., CARLOS, Forensic Medicine
ORTÍZ, PASTOR, Civil Law
SALINAS B., CARLOS A., International Law
SANDI CALVIMONTES, ROGER, Introduction to Law
SANDOVAL, HUGO, Civil Law
VILAR, ADOLFO, Civil Proceedings
VILAR, ROBERTO, Criminal Proceedings and Forensic Practice
ZAMORA A. ARMANDO, Mercantile Law

Faculty of Economics nad Finance:
ABUAWAD, JORGE, Accountancy
ARCE, HUGO, Auditing
ARDUZ, FERNANDO, Statistics and Econometrics
ARDUZ, HUMBERTO, Mining and Petroleum Law
BUSTOS, ANUNCIO, Business Administration
CALDERÓN, VÍCTOR, Labour Law
CALVO P., RENÉ, Banking
CÉSPEDES, ANTONIO, Sociology
ECHEVARRÍA, HUMBERTO, Accountancy
FORTÚN, RENÉ, Administrative and Constitutional Law
GAMARRA, ALFREDO, Political Economy
GAMARRA, DANIEL, Political Economy
GAMARRA, FERNANDO, Taxation Law
GIMÉNEZ C., ALFREDO, Economic Geography
IPIÑA D., JOSÉ, Public Finance
PANIAGUA, HUGO, Mathematical Analysis
PELÁEZ, VÍCTOR, Mercantile Law
POPPE E., HUGO, History of Economic Doctrines
SALINAS, CARLOS A., International Law, Consular Legislation
SANDOVAL, HUGO, Civil Law
TORRES, LUIS, Commercial Mathematics
URDININEA, JOSÉ L., Statistics
VARGAS, VACAFLOR WILLY, Finance
VILAR VACARREZA, GASTÓN, Political Economy

Faculty of Medical Sciences (Schools of Medicine and Surgery, Chemistry, Pharmacy and Midwifery:

School of Medicine and Surgery:

AGUIRRE, ALBERTO, Radiology
AGUIRRE, JOSÉ, Dermato-Syphilography
ANDRADE, RICARDO, Medical Physics and Radiology
APARCIO MARTÍNEZ, FERNANDO, Semeiology
APARCIO MARTÍNEZ, WÁLTER, Parasitology and Mycology
BACHERER, RICARDO, Technique of Surgery
CABALLERO, RAFAEL, Forensic Medicine and Toxicology
CHUMACERO VARGAS, RAMÓN, Galenic Pharmacy
CÓRDOVA, RAÚL F. DE, Clinical Medicine
ECHALAR Z., WÁLTER, Internal Pathology
ENRÍQUEZ AZURDUY, NÉSTOR, Neuropathology and Neuro-surgery
FERNÁNDEZ M., EMILIO, Descriptive Anatomy
FLORES, CARMELA, Pharmacognosy
HENRICH ARÁUZ, MARIA LUISA, Inorganic Chemistry
LORA B., FERNANDO, Biological Chemistry
MALPARTIDA, DAVID, Hygiene and Epidemiology
MARTÍNEZ, ALBERTO, Psychiatry, Neuropathology
MARZANA, ROBERTO, Human Physiology
MENDOZA, RODOLFO, Descriptive Anatomy
MOSTAJO, PEDRO, Normal Histology, Embryology
NAVARRO, MEDARDO, Internal Pathology
NOGALES, LUIS, Bromatology
PADILLA, MARIO, Pathology
PARAVICINI, EDUARDO, Organic Chemistry
PEREIRA, LUIS, Pædiatrics
QUIROGA, ARMANDO, Phthisiology
RIVERA CORTÉS, MARIO, Obstetrics
RIVERA, LUIS, Physiology
ROMÁN, BERTHA, Bio-Statistics
SÁNCHEZ PORCEL, JAIME, Gynæcology
SAUMA K., LUIS, Urology
SHUTTS, MÓNICA, Public Health and Epidemiology
SOLARES, ANICETO, Ophthalmology
SOLARES, ARMANDO, Oto-Rhino-Laryngology
SUBIETA ROSEMBLUTH, ROMELIO, Therapeutics
TORRES, MARIA LUISA, Analytical Chemistry
TORRICOS, FIDEL, Medical Botany, Pharmaceutical Physics
VALDA GARCÍA, BENIGNO, Descriptive Anatomy
VALENCIA, GABRIELA, Dietetics
VILLAFANI, LUIS, Pathology
ZAMORA, JORGE, Bacteriology and Immunology

Faculty of Odontology:

ANDRADE RÍOS, RICARDO, Physical Medicine
ARAUJO, FERNANDO, Orthodontics
ARCE LORA, ALFONSO, Descriptive Anatomy
AUZA MOREIRA, JUAN J., Mouth Surgery
CARVAJAL, VICTOR M., General and Oral Bacteriology
LORA BARRÓN, FERNANDO, Chemical Biology
MALDONADO, JULIO, Operative Dentistry
MOSTAJO LOZANO, PEDRO, Histology
PACHECO, VÍCTOR, Dental Prosthetics
PARAVICINI BENAVIDES, EDUARDO, Organic Chemistry
PORCEL GALLO, ALFONSO, Physiology and General Pathology
RENDÓN, ALFONSO, Dental Materials
RIVERA, RICARDO, Radiology and Therapeutics
SÁNCHEZ, LUIS, Special Pathology
TÉLLEZ, CARLOS, Paradontics
VILLAFANI B., WÁLTER, Crowns and Bridges

UNIVERSIDAD MAYOR Y AUTÓNOMA "JEAN MISAEL SARACHO"

CALLE MARQUES CAMPERO No. 882, TARIJA

Telephone: 1269.

Founded 1946.

Rector: Dr. ANGEL BALDIVIESO ECHAZÚ.
Secretary-General: Dr. EDMUNDO TORREJÓN CARDOZO.
Director of Administration: Lic. MARIO RUIZ GARCÍA.
Librarian: NÉSTOR SOSA DURÁN.

Number of teachers: 135.

Number of students (1963): 588 men, 173 women, total 761.

Publications: *Revista Universidad, Boletín de Información.*

DEANS:

Faculty of Law: Dr. OSCAR VARAS APARICIO.
Faculty of Economics: Dr. ALBERTO SÁNCHEZ ROSSEL.
Faculty of Odontology: Dr. MACEDONIO TRIGO VÁSQUEZ.

DIRECTORS:

School of Agriculture: Ing. MILTON CASTELLANOS ESPINOZA.
School of Languages: Prof. JULIO CALVO.
School of Nursing: Dr. ENRIQUE PALMERO.
Technological Institute: JOSÉ ZAMORA.
Institute of Commerce: Lic. MANUEL CUEVAS.

PROFESSORS:

Faculty of Law and Political and Social Sciences:

ARAOZ C., JORGE, Introduction to Law and History of Law
BALDIVIESO, ANGEL, International Public Law and Financial Law
BLADEZ, JAIME, Criminal Proceedings
CAMPERO V., MANUEL, Criminology
DELIO, JULIO, Penal Law
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ACADEMIES

Rio de Janeiro, GB.

Academia Brasileira de Letras (*Brazilian Academy*): Av. Presidente Wilson 203; f. 1897; library, 30,000 vols.; Pres. AUSTREGÉSILO DE ATHAYDE; Sec.-Gen. LUIS VIANA FILHO; Treas. ANÍBAL FREIRE DA FONSECA; Librarian BARBOSA LIMA SOBRINHO; publ. *Revista da Academia* (annals); preparing exhaustive *Dictionary of the Portuguese Language*; annual prizes awarded for best Brazilian works in prose, verse and drama.

MEMBERS:

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	TAVARES, ADELMAR.

Academia Nacional de Farmacia (*National Academy of Pharmacy*): Rua Andradas, 96; publ. *Boletim*.

Academia Nacional de Medicina (*National Academy of Medicine*): Caixa Postal 459, ZC-00; f. 1829 as Sociedade de Medicina de Rio de Janeiro, then Academia Imperial de Medicina 1831; library 20,000 vols.

Academia Brasileira de Ciências (*Brazilian Academy of Sciences*): Caixa Postal 229, ZC-00; f. 1916; 120 senior, 80 junior mems.; Pres. CARLOS CHAGAS; Vice-Pres. ARISTIDES A. P. LEÃO, PASCHOAL SENISE; Exec. Sec. WALTER B. MORS; Sec. PAULO ERICHSEN DE OLIVEIRA; Treas. HUGO SOUZA LOPES; publ. *Anais*.

Bahia

Academia de Letras da Bahia (*Academy of Letters*): Praça 15 de Novembro 283, Caixa Postal 662; f. 1917; 40 mems., 19 corresponding in Brazil, 6 abroad; library, 6,000 vols.; Pres. LUIZ PINTO DE CARVALHO; Vice-Pres. MAGALHÃES NETO; Sec. EDITH MENDES DA GAMA E ABREU; publ. *Revista* (every six months).

Belo Horizonte

Academia de Ciências de Minas Gerais (*Academy of Science*).

Academia Mineira de Letras (*Minas Gerais Academy of Letters*).

Cuiaba, Mato Grosso

Academia Matogrossense de Letras (*Mato Grosso Academy of Letters*): Rua 13 de Junho 173; f. 1921; Pres. JOSÉ DE MERQUITA; publ. *Revista*.

Curitiba

Academia Paranaense de Letras (*Paraná Academy of Letters*): Rua Dr. Murici 854, Caixa Postal 670; f. 1936; 36 mems., 7 corresponding; Pres. OSCAR MARTINS GOMES; Sec.-Gen. CIRO SILVA; Treas. VALFRIDO PILOTO; Librarian DURVAL BORGES; publ. *Revista*; library of rare works.

Espirito Santo

Academia de Letras (*Academy of Letters*).

Florianopolis

Academia Catarinense de Letras (*Santa Catarina Academy of Letters*): Rua Tenente Silveira 6; f. 1920; 40 mems., 20 corresp. mems.; library 2,078 vols.; Pres. OTHON D'EÇA; Sec.-Gen. ALTINO FLÔRES; Treas. OSWALDO MELLO; Librarian MANCIO DA COSTA; publ. *Revista*.

Fortaleza, Ceará

Academia Cearense de Letras (*Ceará Academy of Letters*): publ. *Revista*.

Maceió

Academia Alagoana de Letras (*Alagoas Academy of Letters*).

Manaos

Academia Amazonense de Letras (*Amazonas Academy of Letters*): Rua Ramos Ferreira 1009; Dir. Dr. LEÔNCIO SALIGNAC E SOUZA; Sec. MÁRIO YPIRANGA MONTEIRO; publ. *Revista*.

Paraíba

Academia de Letras (*Academy of Letters*).

Piauí

Academia de Letras de Piauí (*Piauí Academy of Letters*): publ. *Revista*.

Pôrto Alegre

Academia Riograndense de Letras (*Rio Grande Academy of Letters*): Rua Siqueira Campos 1159; publ. *Revista*.

Recife

Academia Pernambucana de Letras (*Pernambuco Academy of Letters*): Rua do Hospício 130; f. 1901; library, 10,000 vols.; 40 mems., unlimited number of hon. and corresp. mems in Brazil and abroad; Pres. Dr. CEILO MEIRA; Sec. Dr. LAURÊNIO LINS DE LIMA; publ. *Revista*.

São Paulo

Academia de Letras de São Paulo (*São Paulo Academy of Letters*): publ. *Revista*.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

AGRICULTURE

Rio de Janeiro, GB.

Departamento de Pesquisa e Experimentação Agropecuárias (*Department of Agricultural and Animal Research*): Lrgo. da Misericordia s/n; f. 1962; Department of Ministry of Agriculture; library of 23,367 vols.; Dir. ADY RAUL DA SILVA; Librarian ANGELA MARIA LYRA PORTO.

Divisão de Tecnologia Agrícola e Alimentar (*Division of Food and Agricultural Technology*): Rua Jardim Botânico 1024; f. 1962; Dir. Dr. OSCAR RIBEIRO.

Divisão de Pedologia e Fertilidade do Solo (*Division of Pedology and Soil Fertility*): Rua Jardim Botânico 1024; f. 1962; Dir. Dr. WALDEMAR MENDES.

Divisão de Defesa Sanitaria Vegetal: Edifício do Museu Histórico, 3° andar, Largo da Misericórdia s/n; f. 1920; Dir. JEFFERSON FIRTH RANGEL; library of 3,646 vols., pamphlets and periodicals; publs. *Boletim Fitossanitário, Monographs.*

Sociedade Nacional de Agricultura (*National Agricultural Society*): Avenida General Justo 171, C.P. 1245; f. 1897; library, 30,000 vols.; Pres. LUIZ SIMÕES LOPES; Sec.-Gen. LUIZ MARQUES POLIANO; Librarian SONIA MARIA RIBEIRO SANTIAGO; publs. *A Lavoura* and pamphlets.

Belém

Instituto Agronômico do Norte (*Northern Agricultural Institute*): f. 1941; 28 mems.; scientific research of the agricultural resources of the Amazon Valley; special reference to rubber, native oil and fibre-producing plants; laboratory; Dir. JOSÉ MARIA PINHEIRO CONDURÚ; publs. technical bulletins and circulars; library of 30,000 vols.

Campinas

Instituto Agronômico em Campinas, Estado de São Paulo (*Institute of Agronomy of Campinas*): Caixa Postal 28; f. 1887; library, 65,000 vols.; *Divisions:* Agronomy, Experimental Stations, Soils, Agricultural Mechanics and Technology, Biology and Administration; *Sections* include: Coffee, Cotton, Fibre Plants, Cereals, Oil Plants, Tobacco, Medicinal and Insecticide Plants, Sugar Cane, Vegetables and Flowers, Citrus, Tropical Fruits, Grapes, Fruits of Temperate Climates, Legumes, Roots and Tubers, Tropical Plants; Chemistry, Irrigation, Genetics, Cytology, Botany, Phytopathology, Entomology, Physiology, Statistics, Agricultural Climatology, Virology; 17 experimental stations in the State of São Paulo; 130 research workers; exchange of specimens; Dir. Dr. G. PINTO VIÉGAS; Librarian ERNESTO MANOEL ZINK; publs. *Bragantia, O Agronómico, Farmers' Bulletin.*

Recife (Pernambuco)

Estação Experimental de Curado (*Curado Experimental Station*): Caixa Postal 205; Dir. JOSÉ CLOVIS DE ANDRADE.

ANTHROPOLOGY, ETHNOLOGY AND FOLKLORE

Rio de Janeiro, GB.

Comissão Nacional de Folclore (*National Folklore Commission*): Palácio Itamaraty, Rua Marechal Floriano; Dept. of the Brazilian Institute of Education, Science and Culture (IBECC); Sec.-Gen. RENATO ALMEIDA.

Belém, Pará

Instituto de Antropologia e Etnologia do Pará (*Institute of Anthropology and Ethnology of Pará*): Caixa Postal 684, Belém; Pres. NAPOLEÃO FIGUEIREDO; publ. *Monografias* and books on Brazilian anthropology, archæology, etc.

ARCHÆOLOGY

Recife

Instituto Arqueológico, Histórico e Geográfico Pernambucano (*Pernambuco Archæological, Historical and Geographical Institute*): Rua do Hospicio 130; f. 1862; library, 18,000 vols.; 50 mems., 130 corresp. mems., 5 hon. mems.; Pres. Archbishop Dom CARLOS DE GOUVEIA COÊLHO; Perm. Sec. Dr. OLYMPIO COSTA Jr.; Librarian Dr. LAURO BORBA; publ. *Revista.*

BIOLOGY AND ENTOMOLOGY

Pôrto Alegre

Sociedade de Biologia do Rio Grande do Sul (*Institute of Natural Sciences and Genetics*): Universidade do R. G. do Sul, Av. Paulo Gama; f. 1947.

Rio de Janeiro, GB.

Instituto de Biologia Animal (*Institute of Animal Biology*): Av. Maracaná 222; library of 2,000 vols.

Sociedade de Biologia do Brasil: Caixa Postal 1587, ZC-00; f. 1947.

São Paulo

Estação Experimental de Biologia e Piscicultura (*Experimental Station for Biology and Pisciculture*): f. 1938; under the Ministry of Agriculture; Dir. Dr. ALMIR PERÁCIO.

Instituto Biológico (*Biological Institute*): Avda. Rodrigues Alves 1252, Caixa Postal 7119; f. 1927; Dept. of Defesa Sanitaria da Agricultura; 226 mems.; library of 85,000 vols.; Dir.-Gen. Dr. PAULO NOBREGA; Librarian CECÍLIA DE T. UCHÔA GOMES; publs. *Arquivos* (annually), *O Biológico* (monthly).

Sociedade Brasileira de Entomologia (*Brazilian Entomological Society*): Caixa Postal 9063; f. 1937; Pres. LAURO P. TRAVASSOS FILHO; publ. *Revista Brasileira de Entomologia.*

Sociedade de Biologia de São Paulo (*São Paulo Biological Society*): Caixa Postal 12993; f. 1921; Pres. J. LOPES DE FARIA; Sec. VICTORIA ROSSETTI; publ. *Revista.*

BOTANY

Rio de Janeiro, GB.

Serviço Florestal (Jardim Botânico) (*Forestry Service and Botanical Gardens*): Rua Jardim Botânico 1008; f. 1920; Dir. Dr. CAMILO ALTAMIRO BARBOSA PEREIRA; formerly Instituto de Biologia Vegetal; library of 8,565 vols., pamphlets and periodicals on national parks, botany, silviculture, forestry and plant biology; publs. *Arquivos do Jardim Botânico, Arquivos do Serviço Florestal, Rodriguésia.*

Sociedade Botânica do Brasil (*Botanical Society of Brazil*): Jardim Botânico; f. 1950; Pres. DARDANO DE ANDRADE LIMA; Sec.-Gen. FERNANDO ROMANO MILANEZ.

Jardim da Praça de República (*Public Gardens*): laid out 1865 by Auguste F. M. Glazion, who collected 23,000 plants; Herbario Glazion forms the most noteworthy exhibit in the Botanical Division of the National Museum.

Santa Catarina

Herbário "Barbosa Rodrigues": Itajaí; f. 1942; 127 mems.; Dir. P. RAULINO REITZ; publs. *Sellowia, Flora Ilustrada Catarinense.*

São Paulo

Instituto de Botánica (*Botanical Institute*): Caixa Postal 4005; f. 1938; Dir. Dr. ALCIDES RIBEIRO TEIXEIRA.

CHEMISTRY

Rio de Janeiro, GB.

Associação Brasileira de Química (*Brazilian Chemical Association*): Av. Rio Branco 156 (Sala 907), Caixa Postal 550; resulted in 1951 from the merger of the Sociedade Brasileira de Química (f. 1922) and the Associação Brasileira de Química (f. 1940); 3,289 mems., 9 corresponding, 206 collective, 3,074 individual; library of 3,200 vols.; Pres. C. E. NABUCO DE ARAUJO; publs. *Anais, Boletim* (monthly), *Revista* (bi-monthly), *Indice Biográfico* (annually); *Revista Engenharia e Química;* regional brs. at Bahia, Campinas, Minas Gerais, Distrito Federal, Paraíba, Paraná, Pernambuco, Rio Grande do Sul, Santos, São Paulo, Volta Redonda, and members in all the States of Brazil.

Sociedade Brasileira de Química (*Brazilian Chemistry Society*): Rua 13 de Maio 23; Sec. Dr. A. ALBUQUERQUE; publ. *Revista.*

EDUCATION

Rio de Janeiro, GB.

Associação Brasileira de Educação (*Brazilian Educational Association*): Av. Rio Branco 91, 10° andar, Caixa Postal 1471; f. 1924; library; Pres. MARCOS ALMIR MADEIRA; publ. *Educação.*

Associação de Educação Católica do Brasil (*Asscn. for Catholic Education in Brazil*): Rua Martins Ferreira 23; f. 1945; supervises 2,394 schools, seminaries and faculties; Pres. P. ARTHUR ALONSO, S.J.; publ. *Cadernos da AEC.*

Centro Brasileiro de Pesquisas Educacionais (*Brazilian Centre of Educational Researches*) of the Instituto Nacional de Estudos Pedagógicos (National Institute of Pedagogical Studies): Rua Voluntários de Pátria, 107; f. 1953; 5 Regional Centres in São Paulo, Bahia, Minas Gerais, Rio Grande do Sul and Pernambuco; Dir. ANÍSIO TEIXEIRA; Exec. Dir. PÉRICLES MADUREIRA DE PINHO; library 47,000 vols.; publs. *Revista Brasileira de Estudos Pedagógicos, Bibliografia Brasileira de Educação, Educação e Ciências Sociais*; books: *Curriculo, Programas e Método, Inquéritos e Levantamentos, Sociedade e Educação, Cursos e Conferências, Manuais para os Professôres*; text books.

Conselho Federal de Educação (*Federal Board of Education*): Palacio da Educação, Rua da Imprensa 16, 5° andar; library; 24 mems.; Pres. Dr. DEOLINDO COUTO; Vice-Pres. Dr. ABGAR RENAULT; Sec.-Gen. Dr. CELSO KELLY; Publ. *Documenta.*

Fundação "Getúlio Vargas": Praia de Botafogo, 186; f. 1944; 244 mems.; subsidises many educational institutes including the Instituto Brasileiro de Administração, Instituto Brasileiro de Economia, Instituto de Seleção e Orientação Profissional, Instituto de Direito Publico e Ciência Politica, Departamento de Ensino; Pres. Dr. LUIS SIMÕES LOPES; Executive Dir. Dr. ALIM PEDRO; publs. *Conjuntura Econômica* (national and international editions), *Revista de Direito Administrativo, Revista Brasileira de Economia, Arquivos Brasileiros de Psicotécnica, Revista de Direito Público e Ciência Política, Cadernos de Administração Pública, Revista de Administração de Emprêsas.*

Instituto Brasileiro de Educação, Ciência e Cultura (IBECC) (*Brazilian Institute of Education, Science and Culture*): UNESCO National Commission, Av. Presidente Vargas 62; Sec.-Gen. RENATO ALMEIDA.

Sociedade Brasileira de Cultura Inglesa (*Brazilian Society for English Culture*): Av. Graça Aranha 327, C.P. 821; f. 1934; Pres. A. CAMILLO DE OLIVEIRA; Admin. Dir. J. X. MARQUES DO COUTO, Jr.; Education Dir. F. G. WOOD, M.B.E.; brs. at Jardim Botânico, Copacabana, Botafogo, Brasília, Tijuca, Méier, Niteroi, Governador, Petrópolis, Campo Grande, Caxias and Barra do Piraí; affiliated society at Juiz de Fora; library of 20,550 vols.

Pôrto Alegre, Rio Grande do Sul

Centro Regional de Pesquisas Educacionais do Rio Grande do Sul (*Rio Grande do Sul Centre of Educational Research*): Av. João Pessoa, 535, 1° andar; library; Dir. ALVARO MAGALHÃES; publs. *Correio do CRPE* (monthly), monographs.

Recife

Instituto Joaquim Nabuco de Pesquisas Sociais: Av. 17 de Agôsto, 2187; f. 1949; sociological studies for agrarian workers in Brazil's north; Dir. MAURO MOTA; publ. *Boletim.*

São Paulo

Instituto "Nami Jafet" Para o Progresso da Ciência e Cultura (*"Nami Jafet" Institute for the Advancement of Science and Culture*): Rua Agostinho Gomes 1455; f. 1961; awards annual prizes of three million cruzeiros in cash, a gold medal, diploma and scholarships; established in memory of the late industrialist Prof. Nami Jafet; Chair. of Consultative Council Prof. A. C. PACHECO E SILVA; Chair. of Bd. of Dirs. Prof. ALFREDO BUZAID; Exec. Sec. RONE AMORIN.

ENGINEERING

Rio de Janeiro

Comissão Nacional de Energia Nuclear (CNEN) (*Commission for Nuclear Energy*): Avda. Almirante Barroso, 81-2° andar; f. 1956; study and proposal of measures relevant to a national policy; Chair. Prof. LUIZ CINTRA DO PRADO; mems.: Prof. FRANCISCO DE ASSIS MAGALHÃES GOMES, Prof. JONAS CORREIA SANTOS, Prof. LUIZ RENATO CALDAS, Prof. FAUSTO WALTER LIMA.

Nuclear Engineering Institute of Rio de Janeiro: Dir. JONAS CORREIA SANTOS.

Atomic Energy Institute of São Paulo: Prof. RÓMULO RIBEIRO PIERONI.

Radioactivity Research Institute of Belo Horizonte: Dir. Prof. CASSIO MENDONÇA PINTO.

Instituto de Pesquisas da Marinha (*Institute of Marine Research*): Rua Ipirú, s/n° Praia da Bica, Ilha do Governador; f. 1962; marine research and development; 30 mems.; library 3,573 vols.; Chief of Research Dept. LUIZ AUGUSTO LOWNDES BRASIL.

São Paulo

Associação de Engenharia Química pela Escola Politécnica da Universidade de São Paulo (*Society of Chemical Engineers*): Praça Coronel Fernando Prestes 74; f. 1944; 300 mems.; Pres. LUIZ STRAUNARD PIMENTEL; Sec. KAZUO FUKUHARA.

FINE ARTS, LITERATURE

Rio de Janeiro, GB.

Instituto Brasileiro de Bibliografia e Documentação: Av. General Justo 171, 3° andar; f. 1954; co-ordinates scientific and technical bibliographical information services throughout the country; maintains a union catalogue of Brazilian libraries and of scientific and technical periodicals of Brazilian libraries; Pres. Mrs. LYDIA DE QUEIROZ SAMBAQUY.

P.E.N. Clube do Brasil (Associação Universal de Escritores) (*International P.E.N. Centre*): Praia do Flamengo 172, 10°; f. 1936; 225 mems.; monthly free lectures; theatrical performances; auditorium with 345 places; Pres. Dr. CLAUDIO DE SOUZA; publs. *Boletim,* novels, poetry.

Sociedade Brasileira de Autores Teatrais (*Soc. of Playwrights*): 97-3° andar, Av. Almirante Barroso; publ. *Revista de Teatro.*

Sociedade Brasileira de Belas Artes (*Brazilian Society of Fine Arts*): Rua Araujo Porto Alegre 70; Pres. SALVADOR PONJALO SABATE; library open to artists.

Sociedade de Autores y Criticos (*Authors' and Critics' Soc.*).

Guiratinga, Mato Grosso

Associação de Intercambio Cultural: Av. General Rondon 572; f. 1946; 700 mems.; Dir. RAIMUNDO MARANHÃO AYRES; publ. *Novo Mundo* (bi-monthly).

São Paulo

Federação Brasileira de Associaçoes de Bibliotecários—FEBAB (*Brazilian Federation of Library Associations*): rua Santo Antônio 733, sala 91; f. 1959; to act for the library associations at a national level; to serve as a centre of documentation and bibliography for Brazil; 15 mem. associations; Pres. LAURA GARCÍA MORENO RUSSO.

Sindicato dos Compositores Artisticos, Musicais e Plásticos do Estado de São Paulo (*Arts and Music Society*): f. 1922; fmrly. Soc. Paulista de Belas Artes; 300 mems.; annual exhibitions.

União Cultural Brasil-Estados Unidos (Brazil-United States Cultural Union): Casa Roosevelt, Rua Coronel Oscar Porto 208, Caixa Postal 7197; f. 1938; courses in English and Portuguese and specialised courses; 938 mems., 60 teachers, 5,000 students; library of 17,000 vols., Exec. Sec. FLÁVIO M. NOBRE DE CAMPOS; publs. *Boletim, Informativo, Revista*, many books.

GENEALOGY

São Paulo

Instituto Genealógico Brasileiro (*Genealogical Institute*): Rua Dr. Zuquim 1525; Pres. Colonel SALVADOR DE MOYA; Sec. Dr. JORGE BUENO DE MIRANDA; library of 972 vols. on genealogy and heraldry; publs. *Anuário Genealógico Brasileiro, Anuário Genealógico Latino, Revista Genealógica Brasileira, Biblioteca Genealógica Brasileira, Biblioteca Genealógica Latina, Indices Genealógicos Brasileiros, Subsidios Genealogicos.*

GEOGRAPHY AND HISTORY

Rio de Janeiro, GB.

Centro de Pesquisas de Geografia do Brasil (*Centre for Geographical Research*): Av. Pres. Antônio Carlos 40, 9° andar; research work in regional, physical, cultural and economic (including agrarian) geography; Dir. HILGARD O'REILLY STERNBERG; publs. *Bibliografia Geográfica Brasileira, Bibliografia Cartográfica Brasileira* (both annual), monographs.

Instituto Brasileiro de Geografia e Estatística (*Brazilian Geographical and Statistical Institute*). *See under* "Statistics".

Instituto Histórico e Geográfico Brasileiro (*Brazilian Historical and Geographical Institute*): Avenida Augusto Severo 8; f. 1838; library 280,000 vols.; Pres. JOSÉ CARLOS DE MACEDO SOARES; Sec. Dr. VIRGILIO CORREA, Jr.; Librarian LUCIA F. LAHMEYER; publ. *Revista*.

Sociedade Brasileira de Geografia (*Brazilian Geographical Society*): Praça da República 54, 1° andar; f. 1883; library 9,000 vols.; 250 mems., 30 hon., 5 associates, 600 corresponding; Pres. Dr. HERBERT CANABARRO REICHARDT; Sec.-Gen. and Librarian JOÃO DE MELLO MORAES; publ. *Revista*.

Sociedade Luso-Africana do Rio de Janeiro (*Portuguese-African Society of Rio de Janeiro*): Praça Tiradentes 60; f. 1930; Pres. ANTÔNIO COELHO ANDRADE SEQUEIRA; Sec. ANTÔNIO DE SOUSA AMORIM.

Aracajú

Instituto Histórico e Geográfico de Sergipe (*Sergipe Historical and Geographical Institute*): Rua de Itabaianinha. 41; f. 1912; Pres. MANUEL FERREIRA DA SILVA NETO; publ. *Revista*.

Belém

Instituto Histórico e Geográfico do Pará (*Para Historical and Geographical Institute*): Praça D. Pedro II 35, Caixa Postal 595; f. 1917; Pres. MAURICIO CORDOVIL PINTO; First Sec. Major ADOLPHO PEREIRA DOURADO.

Curitiba

Instituto Histórico, Geográfico e Etnográfico Paranaense (*Historical, Geographical, Ethnographic Institute of Paraná*): Rua José Loureiro 43; f. 1900; Pres. Prof. OSVALDO PILOTO; Sec. Dr. SAUL LUPION DE QUADROS; publ. *Boletim*.

Florianopolis

Instituto Histórico e Geográfico de Santa Catarina (*Santa Catarina Historical and Geographical Institute*): Rua Tenente Silveira 69; f. 1896; Pres. Prof. Dr. HENRIQUE DA SILVA FONTES; Sec. ALVARO TOLENTINO DE SOUSA; publs. *Revista* (quarterly), and related works.

Fortaleza, Ceará

Instituto do Ceará (*Ceará Institute*): Alberto Neponuceno 332; f. 1887; library, 14,000 vols.; includes the following commissions: History, Manuscripts and Archæology; Geography, Ethnography and Social Science; Science and Letters; Pres. THOMAZ POMPEU SOBRINHO; Sec.-Gen. RAIMUNDO GIRÃO; Librarian JOSÉ WALDO RIBEIRO RAMOS; publs. *Boletim, Revista, Historia do Ceará.*

Goiania

Instituto Histórico e Geográfico de Goiaz (*Historical and Geographical Institute*): rare collections of letters and newspapers; publs. *Boletim* (quarterly); works.

Joao Pessoa, Paraíba

Instituto Histórico e Geográfico Paraibano (*Paraíba Historical and Geographical Institute*): Caixa Postal 37; f. 1905; library, 6,000 vols.; 40 mems., 30 corresponding; Pres. Prof. CLOVIS LIMA; Sec. J. VEIGA JUNIOR; publ. *Revista*.

Maceió (Alagoas)

Instituto Histórico de Alagoas (*Alagoas Historical Institute*): Rua João Pessoa 382; f. 1869; 30 mems.; library; 7,800 vols.; Pres. Dr. ORLANDO VALERIANO DE ARAÚJO; Sec. Dr. ABELARDO DUARTE; publ. *Revista*.

Manaos

Instituto Geográfico e Histórico do Amazonas: Rua Bernando Ramos 131; Pres. Dr. JOÃO PEREIRA Jr.; MACHADO, Sec. Dr. GERALDO PINHEIRO; publ. *Revista*.

Natal

Instituto Histórico e Geográfico do Rio Grande do Norte (*North Rio Grande Historical and Geographical Institute*): Rua da Conceição 622; f. 1902; library, 12,000 vols.; Pres. Dr. ALDO FERNANDES RAPOSO DE MÉLO; Librarian Dr. JOÃO EPITÁCIO FERNANDES PIMENTA; publ. *Revista*.

Pôrto Alegre

Instituto Histórico e Geográfico do Rio Grande do Sul (*South Rio Grande Historical and Geographical Institute*): publ. *Revista*.

São Luiz, Maranhão

Instituto Histórico e Geográfico do Maranhão (*Maranhão Historical and Geographical Institute*): Rua Oswaldo Cruz 634; f. 1925; Pres. Des. ELISABETO BARBOSA CARVALHO; Sec.-Gen. Dr. OLAVO CORREIA LIMA; publ. *Revista do Instituto Histórico e Geográfico do Maranhão*.

São Paulo

Instituto Histórico e Geográfico de São Paulo (*São Paulo Historical and Geographical Institute*): Rua Benjamin Constant 158; f. 1894; library, 30,000 vols.; Pres. Dr. AURELIANO LEITE; Sec. LUIS TENORIO DE BRITO; publ. *Revista*.

Instituto Geográfico e Geológico (*Geographical and Geological Institute*): f. 1886; library 50,000 vols., periodicals and pamphlets; 21,000 maps; Dir. Eng. VALDEMAR LEFÈVRE; Sections: Geodesy, Topography, General Geology, Economic Geology, Geographical Research, Drawing Office, Map Room, Library, Geological Museum, Chemical Laboratory; publs. *Boletim, o I.G.G.* maps and monographs.

Salvador (Bahia)

Instituto Geográfico e Histórico da Bahia (*Bahia Geographical and Historical Institute*): Avenida 7 de Setembro; f. 1894; library, 17,634 vols.; Pres. Dr. FRANCISCO DE MAGALHÃES NETO; Secs. Drs. AUGUSTO A. MACHADO and FRANCISCO DA CONCEIÇÃO MENEZES; publ. *Revista* (annually).

Vitória

Instituto Histórico e Geográfico do Espirito Santo (*Historical and Geographical Institute*): Av. República 58; f. 1916; Pres. CHRISTIANO FERREIRA FRAGA; Sec.-Gen. RENATO JOSÉ COSTA PACHECO; publ. *Revista do Inst. Hist. e Geog. do Espirito Santo.*

GEOLOGY AND MINERALOGY

Rio de Janeiro, GB.

Departamento Nacional do Produço Mineral (*National Department of Mineral Production*): Avda. Pasteur 404, Praia Vermelha; f. 1907; Dept. of Ministry of Mines and Energy; Dir. FERNANDO LACOURT; comprises the following Divisions: Geological and Mineralogical (publs. *Boletim, Relatórios Anuais, Avulsos, Notas Preliminares e Estudos*, monographs); Development of Mineral Production (publs. *Boletim*, monographs, maps, related works); Water (publs. *Boletim, Anuário Pluviométrico*, special papers); Laboratory (publs. *Boletim, Avulsos*); *see also* Library.

INTERNATIONAL CULTURAL INSTITUTES

Rio de Janeiro, GB.

Aliança Francesa: Av. Presidente Antônio Carlos, 58-3°; Sec.-Gen. PAUL MONDOLONI.

Conselho Britânico (*British Council*): Avenida Portugal, 360, Urca., Caixa Postal 2237; Rep. J. A. CAYTON, O.B.E.; library 8,000 vols.

Instituto Brasil-Estados Unidos (*Brazil-U.S.A. Institute*): Av. N. S. Copacabana 690; Pres. ROBERTO M. OLIVEIRA; Executive Sec. RAIMUNDO VIANA; 7 brs.

Instituto Cultural Brasil-Alemanha (*Brazil-German Cultural Institute*): Av. Graça Aranha 416, 9°; f. 1956; Pres. CÂNDIDO MOTA FILHO; Executive Dir. WILHELM KELLER; publ. *Noticiário.*

Instituto Cultural Brasil-Japão (*Brazil-Japan Cultural Institute*): Av. Franklin Roosevelt 39; f. 1957; 500 mems.; library of 5,000 books; Dir. TEITARO TAKAHASHI.

Istituto Italiano di Cultura (*Italian Cultural Institute*): Rua Cardoso Junior 95; Dir. Prof. FERNANDO CAPECCHI; library of 4,000 vols.

São Paulo.

Casa de Goethe: Rua Augusta 1470; f. 1957; Dir. Dr. D. M. NOACK.

Istituto Italiano di Cultura: Rua Frei Caneca 1071; Dir. Prof. EDOARDO BIZZARRI.

LAW

Rio de Janeiro, GB.

Instituto dos Advogados do Brasil (*Institute of Brazilian Lawyers*): Av. Marechal Câmara 210; Pres. JOÃO DE OLIVEIRA FILHO; library 17,000 vols.

Ordem de Advogados Brasileiros (*Brazilian Bar Association*): Rua Moncorvo Filho 90; f. 1843.

São Paulo

Instituto dos Advogados de São Paulo (*Inst. of Advocates*) Rua Senador Feijó, 176, 9°; f. 1916; 350 mems.; Chair. Prof. JOSÉ BARBOSA DE ALMEIDA.

MEDICINE, SURGERY

Rio de Janeiro, GB.

Associação Brasileira de Farmacêuticos (*Brazilian Pharmaceutical Association*): Rua dos Andradas 96, 10°, Caixa Postal 948; f. 1916; comprises the following Comms.: *Económica e Ética Farmacêutica* (Pharmaceutical Economics and Ethics); *Desenvolvimento Cultural* (Cultural Development); *Propaganda e Intercambio Associativo* (Propaganda and Exchange); *Legislação Comercial* (Commercial Legislation); *Legislação Sanitaria* (Sanitary Legislation); *Legislação Tributaria* (Tax Legislation); *Legislação de Marcas e Patentes* (Trade Marks and Patents); library; 950 mems., hon. and corresponding, 117 in Argentina, Belgium, Chile, Colombia, Cuba, Ecuador, France, Holland, Italy, Paraguay, Peru, Portugal, Spain, Switzerland, United States, Uruguay, Venezuela; Pres. NUÑO ALVARES PEREIRA; Admin. Vice-Pres. JAYME P. GOMES DA CRUZ; Social Vice-Pres. JOSÉ MESSIAS DO CARMO; Sec.-Gen. IVO DE ALMEIDA REBELLO; Treas. PIERRE D'ALMEIDA TELLES; publ. *Revista Brasileira de Farmácia* (monthly).

Associação Brasileira de Odontologia (*Brazilian Dental Association*): Av. 13 de Maio 13-10°; f. 1937; 1,500 mems.; library 4,000 vols.; Pres. Dr. MARIO ARAÚJO; publ. *Revista Brasileira de Odontologia* (monthly).

Subsidiary: Seção Cultural (Advanced School), Rua A. Guanabara 17/21, 8°.

Instituto "Benjamin Constant" (*Institute for the Blind*): formerly Instituto de Cegos; f. 1854 as Imperial Instituto de Meninos Cegos (*Imperial Institute for Blind Children*); the Institute took its present name from its third Director, Benjamin Constant (1869-89); library; Dir. JAIRO MORAES; publs. monthly review in Braille, *Revista Brasileira para Cegos.*

Instituto de Nutrição (*Institute of Nutrition*): Largo da Misericordia 24; f. 1946; Dir. Prof. CLEMENTINO FRAGA FILHO; publ. *Arquivos Brasileiros de Nutrição.*

Instituto Nacional de Farmacologia (*National Institute of Pharmacology*): Av. Pres. Antônio Carlos 207, 1°.

Instituto Oswaldo Cruz (*Oswaldo Cruz Institute*): Avda. Brasil, C.P. 926; f. 1900; library 200,000 vols.: scientific staff of 150; Dir. Prof. FRANCISCO DA ROCHA LAGOA; Librarian RUTH MARTINS DE MAGALHÃES; publs. *Memorias* and monographs.

Instituto de Médicos Especialistas (*Institute of Medical Specialists*): 220 Av. Atlântica.

Laboratório Químico Farmacêutico do Exército (*Army Laboratory of Pharmaceutical Chemistry*): Rua Licínio Cardoso 250; f. 1873; Dir. DEUSDEDT BATISTA DA COSTA.

Serviço Nacional de Lepra (*Service for the Control of Leprosy*): Rua Washington Luis 13; f. 1941; Dir. Dr. NOEL NUTLES; publ. *Boletim.*

Sociedade Brasileira de Dermatologia e Sifilografia (*Brazilian Dermatological and Syphilographical Society*): Caixa Postal 389; f. 1912; 1 hon. Pres., 40 hon. mems., 81 corresponding mems., 248 mems.; Pres. Dr. R. D. AZULAY; Sec.-Gen. Dr. JARBAS A. PORTO; publ. *Anais Brasileiros de Dermatologia e Sifilografia.*

Sociedade Brasileira de Psiquiatria, Neurologia e Medicina Legal (*Brazilian Society of Psychiatry, Neurology and Forensic Medicine*): Rua Álvaro Ramos 405; f. 1907; Pres. Dr. HEITOR PERES; publ. *Arquivos Brasileiros de Neuriatria e Psiquiatria.*

Bahia

Associação Bahiana de Medicina (*Medical Society*): Avda. Sete de Setembro 48, 1°; f. 1894; Pres. Dr. José Silveira; Sec.-Gen. Dr. Menandro Novaes; publ. *Anais*.

Sociedade de Pediatria de Bahia (*Pædiatrics Society*): Avda. Joanna Angélica 75; 43 mems.; Pres. Dr. Elysio Pereira de Athayde; publ. *Pediatria e Puericultura*.

Belo Horizonte

Instituto "Ezequiel Dias" (Instituto de Biologia e Patologia Médica): Caixa Postal 26, Gameleira; under the Secretariat of Health and Public Welfare; Dir. Dr. Lívio Renault; publ. *Memórias*.

Butantan, São Paulo

Instituto Butantan (*Butantan Institute*): Avda. Vital Brazil, Caixa Postal 65; f. 1901; Library, 52,751 vols., on ophiology and bio-medical sciences; famous snake farm; Public Health Institute for research and the production of vaccines, sera, etc.; Hospital Vital Brasil (snake, spider and scorpion accidents); Dir. D. A. Vallejo-Freire; publ. *Memórias* (annually).

Campinas, São Paulo

Instituto "Penido Bournier": a leading centre for clinical ophthalmological studies in South America.

Maceió

Sociedade de Medicina de Alagoas (*Alagoas Medical Society*): Rua do Comércio 150; f. 1917; Dir. Dr. Ezechias da Rocha; publ. *Arquivos*.

Recife

Sociedade de Medicina (*Medical Society*): f. 1897; publ. *Anais*.

São Paulo

Associação Paulista de Medicina (*São Paulo Medical Association*): Avda. Brigadeiro Luiz António 278, Caixa Postal 2103; f. 1930; 7,300 active mems., 1,139 corresponding, 15 foreign; Pres. Henrique Mélega; Sec.-Gen. Dr. Ruy de Souza Pacheco; Librarian Pura Torres; publ. *Revista*, *Boletim* (both monthly).

Centro de Medicina Nuclear: Faculdade de Medicina, Universidade de São Paulo, Caixa Postal 22022; f. 1949; Dir. Dr. Tede Eston.

Instituto "Adolfo Lutz": Caixa Postal 7027; f. 1892; Central Laboratory of Public Health for the State of São Paulo; library 35,000 vols. incl. periodicals; Dir. Dr. Ariosto Büller Souto; Librarian Olinda Hempel de Camargo; publ. *Revista*.

Instituto de Criminologia do Estado de São Paulo (*Institute of Criminology*): Rua Conde do Pinhal 52; Dir. F. Rocco.

Instituto "Oscar Freire" (*Oscar Freire Institute*): Rua Teodoro Sampaio 115, Caixa Postal 4350; f. 1918; for instruction and research in forensic medicine; library, 3,000 vols.; Dir. Prof. Dr. Hilario Veiga de Carvalho; publ. *Boletim*.

Instituto Pasteur: Avda. Paulista 393; f. 1903; for the prevention of rabies; Dir. Dr. Carlos Gonçalves Machado.

Instituto de Radium São Francisco de Assis (*St. Francis of Assisi Radium Institute*): Avda. Brigadeiro Luiz António 1892; f. 1940; Dir. Nelson Carvalho.

Sociedade Brasileira de Historia da Medicina (*Soc. of History of Medicine*).

Sociedade de Medicina e Cirurgia de São Paulo (*São Paulo Medical and Surgical Society*): f. 1895; Pres. Prof. Dr. Carlos Gama; Gen. Sec. Dr. Pedro Ayres Netto; publ. *Revista de Medicina e Cirurgia de São Paulo*.

Sociedade de Medicina Legal e Criminologia de São Paulo (*Forensic Medicine and Criminological Society*): Caixa Postal 4350; f. 1921; 11 founder mems., 19 hon. mems., 191 mems., 5 associate, 184 corresponding; Pres. Prof. Dr. Hilário Veiga de Carvalho; Sec.-Gen. Dr. João Carvalhal Ribas; publ. *Arquivos* (annually).

Meteorology, Astronomy

Rio de Janeiro, GB.

Observatório Nacional do Rio de Janeiro (*Rio de Janeiro National Observatory*): Rua General Bruce 586; f. 1827; library; the Observatory operates 2 magnetic observatories and a seismological station; Dir. Lelio I. Gama; publs. *Anuário, Boletim sismológico, Táboas de Mares, Boletim Magnético, Anais, Medidas micrométricas de estrellas duplas, Publicações do Serviço Magnético, Publicações do Serviço Astronómico.*

Servico de Meteorologia (*Meteorological Institute*): Edifício do Entreposto Federal da Pesca, Praça 15 de Novembro 2, 5° a.; f. 1921; Dir. Dr. Jesus Marden Dos Santos; library of 40,000 vols., pamphlets and periodicals; Librarian Dr. Moacyr Orsini de Castro; publ. *Boletim Diário do Tempo*.

Pôrto Alegre

Instituto Regional de Meteorologia "Coussirat Araújo" (*Regional Meteorological Institute*): Ministério da Agricultura; f. 1909; Dir. Eng. José Luiz Paranhos de Araújo; publ. *Boletim Meteoro-Agrícola do Rio Grande do Sul*.

Philosophy

Rio de Janeiro, GB.

Sociedade Brasileira de Filosofia (*Brazilian Philosophical Soc.*): Praça da República 54; f. 1927; 80 mems., 8 hon., 5 Brazilian corresp., 12 foreign; Pres. Dr. Herbert Canabarro Reichardt; Sec.-Gen. Prof. Arnaldo Claro de São Thiago; publ. *Anais*.

Curitiba

Instituto Neo-Pitagórico (*Neo-Pythagorean Institute*): Templo das Musas, Rua Dario Velozo 460, Vila Isabel, Caixa Postal 1047; f. 1909; 375 mems.; library, 15,000 vols.; Pres. Dr. Rosala Garzuze; publs. *A Lâmpada* (quarterly), *Circulares* (annually), *Biblioteca Néo-Pitagórica* (half yearly), *Curso de Filosofia e Pitagorismo* (annually), *Boletim do I.N.P.* (Portuguese and English editions—quarterly), *International Bulletin* (quarterly), *Escola Primaria*, etc.

Politics, Economics

Rio de Janeiro, GB.

Centro Latino Americano de Pesquisas em Ciências Sociais (*Latin American Centre for Research in the Social Sciences*): Av. Pasteur 431, Praia Vermelha; f. 1957; library 5,787 vols.

Instituto Brasileiro de Relacões Internacionais (*Brazilian Institute of International Relations*): Av. Treze de Maio 23, Sala 1219; f. 1954; 1,500 vols.; Gen. Sec. Jean Casimir; Dirs. Bertram Hutchinson, Carlos Alberto de Medina; publs. *América Latina, Biografia*.

Instituto Nacional de Ciência Política (*Nat. Inst. of Political Science*): 90 Mexico.

Science

Rio de Janeiro, GB.

Centro Brasileiro de Pesquisas Físicas (*Brazilian Centre for Physics Research*): Av. Venceslau Brás 71; f. 1949; Pres. Darci Ribeiro; Scientific Dir. José Leite Lopes; Librarian Maria Sylvia Lindgren Alves; library, 8,000 vols.; publ. *Notas de Física* and Monographs.

Campinas

Centro de Ciências, Letras e Artes (*Science, Letters and Arts Centre*): Rua Bernardino de Campos 989, Caixa Postal 76; f. 1901; library, approx. 30,000 vols.; Pres. Dr.

João de Sousa Coelho; Gen. Sec. Aristides da Costa Verdade; Librarian G. Zinck; publ. *Revista*; museum and art gallery attached.

Recife

Office de Recherche Scientifique et Technique Outre-Mer (O.R.S.T.O.M.): Brazilian branch: Caixa Postal 1251; pedology, hydrology; Dir. M. E. Guichard.

São Paulo

Fundação Moinho Santista (*Moinho Santista Foundation*): 150 Rua Boa Vista; f. 1955; capital 30 million cruzeiros; purpose: to promote the advancement of science, letters and arts in Brazil by granting every year the Moinho Santista prizes consisting of the following: gold medal, diploma of recognition for outstanding service in any of the scientific, literary or artistic fields, plus four million cruzeiros; Chair. Prof. Jorge Americano; Vice-Chair. Prof. Ernesto Moraes Leme; Sec. Eugenio Belotti.

Sociedade Brasileira Para o Progresso da Ciência (*Brazilian Society for Scientific Progress*): Caixa Postal 11,230; f. 1948; 2,000 mems.; Pres. Gastão Rosenfeld; Sec.-Gen. José Baeta Vianna; publ. *Ciência e Cultura* (quarterly).

Departamento de Zoologia da Secretaria da Agricultura do Estado de São Paulo: Avda. Nazaré 481, Caixa Postal 7172; f. 1939; Dir. Paulo Emilio Vanzolini; publs. *Arquivos de Zoologia Estado de São Paulo, Papeis Avulsos do Depto. de Zoologia* (irregular).

Sociedade Cientifica de São Paulo (*Scientific Society of São Paulo*): Caixa Postal 1904, Caixa Postal 2679; f. 1939; Pres. Dr. Gastão F. de Almeida; Gen. Secs. Prof. Dr. R. F. Moreira, Dr. M. F. de Almeida; Dir. of Scientific Council Prof. Dr. A. B. A. de Moura; Departments: Law (Prof. Dr. Lino M. Leme), Chemical Technology (Prof. Dr. P. G. da Fonseca), Geology and Mineralogy (Prof. C. Slater), Astronomy (Prof. Dr. Alipio Leme), Architecture (Dr. J. D. Gama), Genealogy (Cel. S. de Moya), Philology (Prof. A. de Moura), Medicine (Dr. Josias F. de Almeida), History and Pre-History (Dr. Gastão F. de Almeida), Topography (Prof. Dr. P. F. Mesquita); Librarian A. de Moraes Barros; 12,000 vols.; publs. bulletins, annual reports.

Statistics

Rio de Janeiro, GB.

Instituto Brasileiro de Geografia e Estatística (*Brazilian Geographical and Statistical Institute*): Av. Franklin Roosevelt 166; f. 1936; composed of two branches: The National Council of Geography and the National Council of Statistics; Pres. Gen. Aguinaldo José Senna Campos; publs. *Revista Brasileira de Estatística, Anuário Estatístico do Brasil, Boletim Estatístico, Revista Brasileira de Geografia, Boletim Geográfico.*

National Council of Geography: Sec.-Gen. Waldyr da Costa Godolphin; Librarian Elenir Coutinho; library, 40,000 vols.; publs. *Revista Brasileira de Geografia* and *Boletim Geográfico.*

National Council of Statistics: Sec.-Gen. Ten. Cor. Germano Seidl Vidal; Librarian Nice dos Santos Vilela; Library, 18,787 vols., 3,038 periodicals; publs. *Anuário Estatístico do Brasil, Revista Brasileira do Estatística, Boletim Estatístico* and *Revista Brasileira dos Municípios.*

Technology

Rio de Janeiro, GB.

Instituto de Oleos (*Institute of Oils*): Av. Maracanã 252; f. 1929; library of 3,800 vols.

Instituto Nacional de Tecnologia (*National Technological Institute*): Av. Venezuela 81; f. 1935; Dir. Sylvio de Abreu; Librarian Moema Cruz Perrone; Sec. Prof. Paulo de M. Mendes da Rocha; publ. *Boletim, Relatório.*

São Paulo

Instituto de Pesquisas Tecnológicas (*Institute for Technological Research*): Cidade Universitaria Armando de Salles Oliveira, C.P. 7141; f. 1899 as "Gabinete de Resistência dos Materiais"; present name since 1934; testing and technological research; library of 40,000 books and journals; Dir. Prof. Francisco João Humberto Maffei; publs. *Publicação* (irregular), *Boletim* (irregular), *Relatório* (yearly).

Salvador, Bahia

Instituto de Tecnologia da Bahia (*Technological Institute of Bahia*): Rua Rio S. Francisco 1, Monte Serrate; f. 1946; library of 2,000 vols.; 9 technologists; Dir. Eng. Jorge de Lacerda Kelsch.

LIBRARIES AND ARCHIVES

Rio de Janeiro, GB.

Arquivo Nacional (*National Archive*): Praça da República 26; f. 1838; Dir. José Honório Rodrigues; Librarian Geraldo Martinelli; specialises in history of Brazil, technique of archives and legislation; 30,000 vols.

Biblioteca Britânica do Rio de Janeiro (*English Library*): Rua Sachet 39, 2° andar, Caixa Postal 178; f. 1826; 12,000 vols.; publ. *Report.*

Biblioteca Central de Educação (*Central Educational Library*): Department of Education and Culture, Rua Edgar Gordilho 63, Caixa Postal 1702; f. 1932; Dir. Rosy Bleggi Peixoto; 61,206 vols.

Biblioteca da Associação Brasileira de Imprensa (*Library of Brazilian Printing Association*): R. Araújo Pôrto Alegre 71, 8° andar; f. 1908; 47,000 vols.; Dir. Fernando Travassos.

Biblioteca da Casa de Rui Barbosa (*Rui Barbosa's Library*): Rua S. Clemente 134; f. 1930; over 40,000 vols. based on author's own collection purchased by the State; Dir. Prof. Américo Jacobina Lacombe; publs. complete works of Rui Barbosa; catalogue; in 1952 a centre for research in law and philology was created at Rui Barbosa's house.

Biblioteca da Escola Politécnica (*Polytechnic School Library*): Largo de São Francisco; Dir. Rusino de Almeida Pizarro; 34,000 vols.; publs. *CTC—Revista de Física, Jornal Politécnico.*

Biblioteca da Faculdade Nacional de Direito (*Library of Faculty of Law*): Rua Moncorvo Filho 8; Dir. Lineu de Albuquerque; 35,000 vols.; private State library.

Biblioteca da Faculdade Nacional de Medicina (*Library of the Faculty of Medicine*): Av. Pasteur 458; f. 1833; Librarian Emilia Bustamente; 100,000 vols.; loan service.

Biblioteca Demonstrativa "Castro Alves" do Instituto Nacional do Livro (*Castro Alves Library of the National Book Institute*): Associação dos Servidores Civís do Brasil, Rua Pedro Lessa 36, 2°; f. 1947; 47,870 vols.; Dir. George Cunha de Almeida; model library.

Biblioteca do Instituto da Ordem dos Advogados Brasileiros (*Library of Lawyers' Institute*): Rua Marechal Câmera 210; f. 1843; Dir. Dr. FORTUNATO AZULAYDE; 17,000 vols.

Biblioteca do Mosteiro de S. Bento (*Library of the St. Benedict Monastery*): Caixa Postal 2666-ZC-00; f. 1600; Librarian D. MIGUEL VEESER, O.S.B.; 56,000 vols.; also in the towns of São Paulo, Bahia and Olinda.

Biblioteca Municipal (*Municipal Library*): Av. Pres. Vargas 1261; f. 1873; Dir. FRANCISCO GOMES MACIEL PINHEIRO; 100,000 vols.; 10 brs.; publs. *Boletim do Museu Municipal de Folclore* (monthly), *Boletim Simón Bolivar da Seção Pan-Americana* (monthly), *Boletim Bibliográfico* (monthly), *Boletim da Seção Guanabarina* (monthly).

Biblioteca Nacional do Rio de Janeiro (*National Library*): Avda. Rio Branco 219-39; f. 1810, with 60,000 vols. from the Real Biblioteca de Ajuda brought to Brazil by the Royal Family of Portugal in 1808; Dir. ADONIAS AGUIAR FILHO; *c.* 1,000,000 vols., 600,000 MSS., 250,000 engravings, maps, etc., 185 incunabula, 650,000 vols. of periodicals. Is divided into the following sections: Acquisition, Cataloguing, Circulation, Rare Works, Administrative, and a School of Librarianship. The Library acts as Registo de Direitos Autorais (registration of authors' copyright), and also operates an international exchange service with foreign countries; many rare volumes, including two copies of the Mainz Bible dated 1462; important collections of engravings, MSS. and early Brazilian newspapers; publs. *Anais da Biblioteca Nacional* from 1876, *Documentos Históricos Boletim Bibliográfico* (bi-annually).

The Library has a School of Librarianship under the direction of Snr. ANTONIO CAETANO DIAS.

Real Gabinete Português de Leitura (*Royal Portuguese Reading Room*): Rua Luis de Camões 30; f. 1837; Pres. ALBINO SOUZA CRUZ; Librarian ARTHUR FARIA; 950 mems.; 200,000 vols.; 16th-century editions of *Os Lusiadas* by Camões, etc.; under a decree of 1935 of the Portuguese Government, the Library receives copies of all works published in Portugal; publs. *Boletim de Bibligrafia e Informações.*

GOVERNMENT DEPARTMENT LIBRARIES

Biblioteca do Centro Brasileiro de Pesquisas Educacionais (*Library of the Brazilian Centre of Educational Research*): Rua Voluntários da Pátria 107; f. 1938; 50,000 vols., including periodicals; specialised semi-public library on Social Sciences; Dir. ANÍSIO SPÍNOLA TEIXEIRA; Librarian ELZA N. ALVES; publ. *Bibliografia Brasileira de Educação.*

Biblioteca do Conselho Nacional de Economia (*Library of the National Council of Economy*; formerly the Federal Council of Foreign Trade): Rua Senador Dantas 74, 14°; f. 1952; 17,500 vols.; 100 periodicals; collection of Brazilian laws, 1808-1964; publs. *Revista, Exposição da Situação Econômica do Brasil, Relatório Anual.*

Biblioteca do Departamento de Imprensa Nacional (*Library of Government Stationery Office*): Av. Rodrigues Alves; f. 1940; 18,079 vols.; Librarian DAGMAR DIAS; publ. *Boletim* (monthly).

Biblioteca do Departamento Nacional da Industria e Comércio (*Library of National Department of Industry and Commerce*): Av. Presidente Antônio Carlos 251; f. 1922; Librarian J. STREET; 15,000 vols.

Biblioteca do Departamento Nacional da Produção Mineral (*Library of National Department of Mineral Production*): Av. Pasteur 404, Praia Vermelha; 44,060 vols. and 50,000 pamphlets on mineralogy, geology and applied sciences; exchange service; Librarian DOLORES IGLESIAS.

Biblioteca do Departamento Nacional de Saúde (*Library of National Health Department*): Rua do Resende 128; Librarian ADILIA FLORENTINA FONSECA; publ. *Arquivos de Higiene.*

Biblioteca do Exército (*Army Library*): Ministry of War; f. 1881; Librarian MARINA DA SILVA FERREIRA; 45,000 vols.; military science, history, geography, philosophy and a collection of Brasiliana; publ. *Boletim Informativo* (monthly).

Bibliotecas do Ministério da Agricultura (*Libraries of the Ministry of Agriculture*): Rua Mata Machado; f. 1921; central library 45,000 vols.; Librarian ADOLFO MIRANDA PACHECO. There are 15 libraries under the Ministry, of which the most important are those of the following organisations:

Divisão de Defesa Sanitária Vegetal (*Plant Pests*): (*see under* Learned Societies).

Instituto de Biologia Animal (*Animal Biology*): Universidade Rural, Quilômetro 47, Estrada Rio-São Paulo; library of 35,000 vols., pamphlets and periodicals; Librarian Dr. FRANCISCO ESCOBAR; publs. *Boletim Técnico, Boletim de Divulgação de Pesquisas do Instituto Econômica Rural, Revistas Agronomia e Veterinária.*

Instituto de Química Agrícola (*Agricultural Chemistry*): (*see under* Learned Societies).

Serviço de Estatística da Produção (*Statistics of Production*): Largo da Misericordía s/n; 43,577 vols., pamphlets and periodicals; statistics, economics, agricultural, dairy and meat production; Librarian MARIA DE LOURDES DE SOUZA BREVES.

Serviço Florestal (*Forestry Service*): (*see under* Learned Societies).

Serviço de Informação Agrícola (*Agricultural Information*): Edifício do Ministério da Agricultura, Largo da Misericórdia s/n; serves as the Ministry's information office and central library; 33,100 vols., pamphlets and periodicals on agriculture and veterinary science; Librarian AIDA MAGALHÃES BIFONE; publ. *Notícias Bibliográficas.*

Serviço de Proteção dos Indios (*Protection of Indians*): Rua Mata Machado s/n, Maracanã, D.F.; 11,000 vols., pamphlets and periodicals; ethnology and anthropology; Librarian NILO OLIVEIRA VELOSO.

Superintendência do Ensino Agrícola e Veterinária (*Instruction in Agriculture and Veterinary Science*): Largo da Misericordía s/n; 7,000 vols., pamphlets and periodicals; Librarian LYDIA NOBREGA DE LEMOS.

Biblioteca do Ministério da Educação e Cultura (*Library of the Ministry of Education and Culture*): Rua da Imprensa 16, 4° andar; f. 1937; Librarian EMY DO AMARAL PAMPLONA; 29,704 vols.

Biblioteca do Ministério da Fazenda (*Library of the Ministry of Finance*): Avda. Pres. Antônio Carlos 375-12° andar; f. 1943 by incorporation of various departmental libraries; 47,116 vols., 186 current periodicals; Librarian FRANCISCA BUARQUE DE ALMEIDA; publs. *Boletim* (monthly), *Catálogo* (annually).

Biblioteca do Departamento Nacional da Produção Mineral (*Library attached to the Ministry of Mines and Power*): Avda. Pasteur 404, Praia Vermelha; 72,000 vols. on mineralogy; Librarian DOLORES IGLESIAS; publ. *Bibliografia e Indice da Geologia do Brasil.*

Biblioteca do Ministério das Relações Exteriores (*Library of Ministry of Foreign Affairs*): Avda. Marechal Floriano 196; f. 1906; Librarian LYDIA COMBACAU DE MIRANDA; 231,480 vols., including periodicals; law, history, geography, politics and economics; rare books, including first work printed in Brazil, and only extant

copy in S.A. of Richard Flecknoe's *Relation of Ten Years' Travells in Europe, Asia, Africa, and America*; publs. *Bibliografia Mensal* and *Bibliografia Anual*.

Mapoteca do Ministério das Relações Exteriores (*Maps Section of the Ministry of Foreign Affairs*): Avenida Marechal Floriano 196; Head ISA ADONIAS, geographer; 30,000 maps and atlases, including about 800 old and rare manuscript maps, 300 engraved maps from XVII and XVIII centuries and 2,500 maps of the Brazilian international boundaries, since colonial period; iconographic collection of 8,000 photographs, portraits; rare manuscript atlases, etc.; publ. *Bibliografia Cartográfica*.

Biblioteca do Ministério do Trabalho, Industria e Comércio (*Library of Ministry of Labour, Industry and Commerce*): Av. Pres. Antônio Carlos 251; f. 1871; Dir. JOEL SILVEIRA; Librarian ODETTE DUARTE OLIVEIRA; 50,000 vols.; 850 collections of newspapers; publs. *Registro Bibliográfico* (annually), periodical catalogues.

Biblioteca do Serviço de Documentação do Ministério da Justiça (*Library of Ministry of Justice*): Rua México 128, 5° andar; f. 1941; Librarian ODETTE D. OLIVEIRA; 26,664 vols., of which 12,275 are on law, sociology, labour, and political science; very rare collection of laws of Portuguese colonial period; publ. *Jus Documentação*.

Biblioteca do Serviço de Estatística Econômica e Financeira (*Library of Department of Economics and Finance*): Rua Luiz de Camões 68; f. 1900; Librarian HELENA SOARES BRANDÃO; 10,000 vols.

Servico de Documentação Geral da Marinha (*General Documentation Service of the Ministry of Marine*): Ministério da Marinha, 3° andar; f. 1802; Dir. Vice-Admiral LEVY ARAÚJO PAIVA MOIRA; Librarian HENRIQUE MARTINS; five divisions: (1) Maritime History of Brazil; (2) Naval Library of approx. 80,000 vols.; (3) Publications: *Subsídios para Historia Marítima do Brasil*, *Revista Marítima Brasileira*, *A Marinha em Revista*, and technical works; (4) Naval Archives; (5) Naval Museum.

Brasília D.F.

Biblioteca da Câmara dos Deputados (*Library of the Chamber of Deputies*): Palácio do Congresso, Praça dos Três Poderes; f. 1866 at Rio de Janeiro; 150,000 vols.; 99,125 vols. of periodicals; Dir. LEDA LABOURIAU; publ. *Boletim da Biblioteca da Câmara dos Deputados*.

Biblioteca do Senado Federal (*Library of the Federal Senate*): Praça dos Três Poderes; 50,000 vols.; Dir. AUREA DE BARROS RÊGO.

Aracajú, Sergipe

Biblioteca Pública do Estado de Sergipe (*Sergipe State Public Library*): f. 1851; Dir. ALFREDO MONTES DE ARAÚJO PINTO; 153,750 vols., including periodicals.

Bahia

Biblioteca Pública da Bahia (*Bahia Public Library*): Praça Tomé de Souza; f. 1811; Dir. Dr. PÉRICLES DINIZ GONÇALVES FILHO; 72,114 vols.

Biblioteca do Gabinete Português de Leitura (*Portuguese Reading Room and Library*): Praça 13 de Maio; Librarian JAIME SILVA; 15,000 vols.

Biblioteca do Grêmio Literário (*Library of Literary Association*): f. 1860; 15,000 vols.

Belém

Biblioteca e Arquivo Público do Pará (*Pará Public Library and Archives*): Rua Campos Sales; f. 1871; Dir. R. MORAES; 45,000 vols., 200,000 MSS.; publ. *Anais da Biblioteca e Arquivo Público*.

Biblioteca do Grêmio Literário e Comercial Português (*Library of the Portuguese Literary and Commercial Union*): Rua Senador Manuel Barata 237; f. 1867; Sec. ANÍSIO DE SOARES TEIXEIRA; 29,568 vols.; exchange service.

Belo Horizonte

Biblioteca Pública (*Public Library*): Rua da Bahia 1149; f. 1898; Dir. J. GUIMARÃES MENEGAL; 22,000 vols., 400 vols. of Braille written by the library.

Curitiba

Biblioteca Pública do Paraná (*Paraná Public Library*): Rua Cándido Lopes, Curitiba; f. 1857; 100,000 vols.; Dir. Prof. UBALDO PUPPI.

Biblioteca da Universidade do Paraná (*University of Paraná Library*): Rua 15 de Novembro s/n; f. 1947; centre of bibliography and documentation; 5,000 vols. in central library, 23,000 vols. in Faculty of Philosophy, Sciences and Letters, etc.

Florianopolis

Biblioteca Pública do Estado de Santa Catarina (*Santa Catarina State Public Library*): Rua Trajano 20; f. 1855; Dir. CARLOS DA COSTA PEREIRA; 40,000 vols.

Fortaleza, Ceará

Biblioteca da Universidade do Ceará: Ave. Visconde de Cauípes 2995; f. 1958; 60,000 vols.

Biblioteca Pública do Ceará (*Ceará Public Library*): Rua Floriano Peixoto 447; 15,000 vols.; Librarian HILZANIR CALS DE ABREU.

João Pessoa

Biblioteca Pública do Estado da Paraiba (*Paraiba Public Library*): Av. General Osório 253; f. 1859; Dir. GERALDO EMILIO PORTO; 10,000 vols.

Juiz de Fóra

Biblioteca da Sociedade Propagadora Esdeva: Rua Halfeld 1179; f. 1891; 23,000 vols.

Maceió

Biblioteca do Instituto Histórico de Alagoas (*Library of Alagoas Historical Institute*): Rua João Pessoa 382; f. 1869; Perm. Sec. ABELARDO DUARTE; 7,800 vols.

Manaos

Biblioteca e Arquivo Público de Manaos (*Manaos Public Library and Archives*).

Biblioteca da Associação Comercial do Amazonas (*Library of Amazonas Society of Commerce*): Rua Guilherme Moreira 281, Caixa Postal 119; f. 1902; Librarian ANTONIO PEREIRA LIMA; 7,950 vols. on trade, industry, agriculture, finance, economics, history, geography and legislation.

Niterói

Biblioteca Pública do Estado do Rio de Janeiro (*Public Library of the State of Rio*): Praça da República; f. 1927; possesses rare early works, newspapers and valuable first editions; 80,000 vols., notably dictionaries, encyclopædias, reference books; Dir. ALBERTINA FORTUNA BARROS; publs. include *A Biblioteca Universitária em 1943*, *Do Génio da Língua Portuguesa*.

Ouro Preto

Biblioteca da Escola de Minas de Ouro Preto (*Librory of the Ouro Preto School of Mines*): Praça Tiradentes; f. 1876; Dir. JOAQUÍM MAIA; Librarian J. P. XAVIER DA VEIGA; 47,000 vols.

Paraíba

Biblioteca Municipal (*Municipal Library*): f. 1876; Librarian D. GARCÍA; 8,000 vols.

Pelotas

Biblioteca Pública Pelotense (*Public Library*): Praça Pedro Osório 103; f. 1875; Librarian HUMBERTO CANARIM; 25,000 vols.; museum; publ. *Boletim* (monthly).

Petrópolis

Biblioteca Municipal (*Municipal Library*): f. 1871; Librarian MARIA HELENA DE AVELLAR PALMA; 100,000 vols.; 2 branches.

Pôrto Alegre

Biblioteca Pública do Estado do Rio Grande do Sul (*Rio Grande do Sul State Public Library*): Rua Riachuelo s/n; f. 1871; 83,220 vols.; Dir. LUCÍLIA MINSSEN.

Biblioteca da Escola Técnica Parobé (*Library of Parobé Technical School*): Rua Sarmento Leite 425; f. 1906; Dir. Eng. EDMUNDO G. CONRAD; 4,000 vols.

Recife

Biblioteca Pública do Estado de Pernambuco (*Pernambuco State Public Library*): f. 1852; Dir. OLYMPIO COSTA JR.; *c.* 80,000 vols.

Servicio Central de Informações Bibliográficas: Universidade do Rio Grande do Sul, Av. Paulo Gama, s/n.

Cidade do Rio Grande

Biblioteca Rio Grandense (*Rio Grande Library*): Rua General Osório; f. 1846; Dir. FLORA V. DE CASTRO; about 100,000 vols., 2,000 maps.

Rio Negro

Biblioteca do Convento dos Franciscanos (*Library of Franciscan Monastery*): f. 1922; Sec. FREI ALFREDO SETÁRO, O.F.M.; 20,000 vols.

Santos

Biblioteca da Sociedade Humanitária dos Empregados no Comércio (*Library of Cultural Society of Commercial Employees*): Praça José Bonifacio 59, Caixa Postal 9; f. 1887; Librarian ALBERTO RODRIGUES; 16,936 vols.

São Luiz

Biblioteca Pública do Estado (*Public State Library*): Praça de Panteon; f. 1829; 38 mems.; Dir. MARIA JOSÉ VAZ DOS SANTOS; Librarian ROBERTO TAMARA; 45,000 vols.; collections of more than 15,000 engravings, and newspapers dating back to 1821.

São Paulo

Biblioteca Central da Universidade de São Paulo: Rua Helvetia 55, Caixa Postal 8191; f. 1947; 28,000 vols.; bibliographical information centre; Librarian MARIA LUISA MONTEIRO DA CUNHA.

Biblioteca Municipal Mario de Andrade (*Municipal Library*): Rua Consolação 94; f. 1925; Dir. SERGIO MILLIET; 400,000 vols.; incorporates former Biblioteca Pública do Estado de São Paulo; a few MSS., collections of old maps, rare editions; arts and micro-film sections; publ. *Boletim.*

Biblioteca do Conservatório Dramático e Musical de São Paulo (*Library of Academy of Music and Drama*): Av. São João 269; f. 1906; 28,000 vols.; Dir. Prof. Dr. CARLOS ALBERTO GOMES CARDIM FILHO.

Biblioteca do Departamento do Arquivo do Estado do São Paulo (*Library of São Paulo State Archives*): Rua Antônia de Queiroz 183; f. 1892; 22,000 vols.; collections of rare books, MSS., periodicals, maps, and plans; private State library; Librarian ARACY FRAGATA; publs. *Boletim, Documentos Interessantes para a Historia e Costumes de São Paulo, Documentos Avulsos, Inventários e Testamentos,* and, periodically, documents from the Archives.

Biblioteca do Departamento de Profilaxia da Lepra do Estado de São Paulo (*Library of Department for Prevention of Leprosy*): Av. Enéas Carvalho Aguiar, 301, Caixa Postal 8027; f. 1932; Librarian LUIZA KEFFER; 60,000 vols., valuable collection of works, reviews, maps on dermatology and leprosy, and rare works dating from 1600; publs. *Sumário Bibliográfico* (monthly analyses from reviews), *Revista Brasileira de Leprologia, Indice Bibliográfico de Lepra, 1500-1945,* by Luiza Keffer, *Indice Bibliográfico de Lepra, 1910-1956, Indice da Bibliografia Dermatológica Brasileira, 1930-1950,* catalogues of periodicals; translations of works on leprosy; consultations by correspondence and appointment; public State library.

Biblioteca "George Alexander" (*George Alexander Library*): Rua Maria Antônia 403; f. 1870 as Mackenzie Library, present name 1926; Librarian HELOISA DE ALMEIDA PRADO; 40,750 vols. and children's library.

Biblioteca do Museu Paulista (*São Paulo Museum Library*): Caixa Postal 8032, f. 1895; Dir. Dr. MARIO NEME; Head of Library, Archives and Publications Dept. NICIO RIBEIRO BARBOSA; 43,000 vols.; rare 16th and 17th century works; specialised semi-public library; publs. *Anais, Revista do Museu Paulista,* and *Boletim do Museu Paulista* (*see under* Museums).

Biblioteca Pedagógica Central: Rua D. Veridiana 220; f. 1931; Librarian JOSÉ DE OLIVEIRA ORLANDI; 11,794 vols.; publ. *Revista de Educação.*

Biblioteca do Clube Português de São Paulo: Av. São João 126; f. 1920; Dir.-Librarian FRANCISCO HENRIQUE LOPES; 15,000 vols.; publ. *Portugália.*

Biblioteca da Secretaria da Agricultura (*Library of São Paulo State Department of Agriculture*): Caixa Postal 8116; f. 1907; Chief Librarian CARMEN ARRUDA BOTELHO LORENA; 30,000 vols. publs. pamphlets on agricultural bibliography; Dir. of Agricultural Publicity MANOEL DOS REIS ARAÚJO.

Villa de Iconha

Biblioteca Iconhense (*Iconha Library*): Librarian A. J. DUARTE; 5,000 vols.

MUSEUMS

Rio de Janeiro, GB.

Museu Carpológico do Jardim Botânico do Rio de Janeiro (*Museum of Carpology of the Botanic Garden*): Rua Jardim Botânico 1008; Dir. Dr. FERNANDO ROMANO MILANEZ; specialises in Botany.

Museu da Divisão de Geologia e Mineralogia (*Museum of the Geological and Mineralogical Division of the Ministry of Mines and Energy*): Av. Pasteur 404, Praia Vermelha; Dir. J. R. DE ANDRADE RAMOS; collections of minerals, rocks and fossils of Brazil.

Museu da Secção de Tecnologia do Serviço Florestal do Ministério da Agricultura (*Museum of the Technological Department of the Forestry Service—Ministry of Agriculture*): Rua Major Rubéns Vaz, 122, Gávea; f. 1938; Dir. Dr. NEARCH AZEVEDO DA SILVEIRA; specialises in wood technology; contains 7,000 samples of wood from Brazil and other countries; display of forestry products and hand-made wood objects; publs. *Arquivos do Serviço Florestal, Revista Florestal e Rodriguésia.*

Museu de Arte Moderna do Rio de Janeiro (*Museum of Modern Art*): Av. Beira Mar, Caixa Postal 44 ZC.00; f. 1948; Exec. Dir. ALOYSIO DE PAULA; Assoc. Exec. Dir. Dr. CARMEN PORTINHO; collections representing different countries; exhibitions, courses, concerts, films; publs. catalogues, bulletins.

Museu de Caça e Pesca (*Museum of Hunting and Fishing*): Praça 15 de Novembro, Ed. da Pesca, 4° andar; f. 1939; collections include vertebrates, mammals, birds and reptiles from the principal regions of Brazil; scientific expeditions; publ. *Monograph.*

Museu de Geográfia do Brasil (*Museum of Geography of Brazil*): Av. Calógeras 6-B, sobreloja; f. 1943; Dir. Prof. LÚCIO DE CASTRO SOARES; Dept. of the National Council of Geography.

Museu de Policia (*Police Museum*): Rua Francisco Eugênio 228, 1°; f. 1945; collections of guns and instruments used in crimes, Afro-Brazilian magi, gambling material; Dept. of Public Security.

Museu de Saúde do Serviço Nacional de Educação Sanitária (*Health Museum—National Service of Sanitary Education*): rua Coelho e Castro 6, 10°; f. 1952; covers embryology, teeth, nutrition, anatomy and pathology; library of 2,200 vols.

Museu do Indio (*Indian Museum*): rua Mata Machado 127, Maracaña; f. 1953; Dir. JOSIAS FERREIRA DE MACEDO; exhibitions and expeditions, photographic collection and library includes films and recordings of music and songs.

Museu do Instituto Histórico e Geográfico Brasileiro (*Museum of the Brazilian Historical and Geogrpahical Institute*): Av. Augusto Severo 4, 2°; f. 1838; history, geography and ethnography collection.

Museu e Arquivo Histórico do Banco do Brasil (*Museum of the Historical Archives of the Bank of Brazil*): Av. Rio Branco 65-16°; f. 1955; Dir. FERNANDO MONTEIRO; collection of Brazilian coins of 3,483 pieces in gold, silver and copper, also mint coins and 14,683 coins from other countries; library of 20,435 vols.; publ. *Mapa Numismático.*

Museu Histórico da Cidade do Rio de Janeiro (*Historical Museum of the City*): Estrada Santa Marinha, s/n, Parque da Cidade, Gávea; f. 1934; Dir. PASQUALINO DE ALMEIDA E SILVA; history and art; library.

Museu Histórico Nacional (*National Historical Museum*): Praça Marechal Ancora, s/n; f. 1922; Dir. Dr. JOSUÉ MONTELO; now contains the former Military and Naval Museums; collection of naval prints and paintings, besides historical exhibits; organises courses in museology; library; publs. guides, catalogues, pamphlets.

Museu Nacional (*National Museum*): Quinta da Bôa Vista, São Cristóvão; f. 1818; Dir. Dr. LUIZ DE CASTRO FARIA; Sections: geology, mineralogy, botany, zoology, anthropology, ethnography, and education; *c.* 1,000,000 specimens; library, 180,000 vols.; publs. *Arquivos do Museu Nacional* (1876), *Boletim* and *Revista do Museu Nacional, Manuais, Publicações Avulsas* (1944), guides, catalogues, pamphlets, etc.

Museu Nacional de Belas Artes (*National Museum of Fine Arts*): Avda. Rio Branco 199; f. 1938; collections of Brazilian and European paintings and sculpture; graphic arts and furniture; primitive art, numismatics, posters, photographs; exhibitions; library of 8,000 vols.; Dir. JOSÉ ROBERTO TEIXEIRA LEITE; publs. *Anuario, Boletim,* catalogues, etc.

Belém (Pará)

Museu Paraense Emílio Goeldi (*Goeldi Natural History and Ethnographical Museum*): Caixa Postal 399; f. 1871; Dir. Dr. WALTER ALBERTO EGLER; natural history, anthropology and ethnography of the Amazon region; zoological and botanical garden; publ. *Boletim do Museu Paraense Emílio Goeldi* (four separate series, on Anthropology, Botany, Geology and Zoology, numbered in order of publication).

Belo Horizonte (Minas Gerais)

Museu Histórico (*Historical Museum*): Rua Bernardo Mascarenhas s/n, Cidade Jardim; f. 1941; Dir. MARIO LÚCIO BRANDÃO; local collection.

Campinas (São Paulo)

Museu de História Natural (*Natural History Museum*): Bosque dos Jequitibás; f. 1939; Founder and Dir. REYNALDO A. WUNSCHE.

Campo Grande (Matto Grosso)

Museu Regional D. Bosco (*D. Bosco Regional Museum*): Av. Mato Grosso s/n; f. 1951; Dir. ANGELO JAYME VENTURELLI; ethnographic collection.

Curitiba (Paraná)

Museu Paranaense (*Paraná Museum*): Rua Buenos Aires 200; f. 1876; Dir. Prof. MARILIA DUARTE NUÑES; historical, anthropological, ethnographical and archaeological collections; publs. *Arquivos do Museu Paranaense, Nova Série, Arqueologia* and special papers.

Florianópolis (Santa Catarina)

Casa de Vitor Meireles (*Victor Meireles' House*): Rua Saldanha Marinho 3; f. 1952; paintings and water colours of the artist.

Fortaleza (Ceará)

Arquivo Público e Museu Histórico do Estado do Ceará (*State Historical Museum*): Praça da Sé 332; public archives and historical museum.

Museu Histórico e Antropológico do Ceará (*Ceará State Historical and Anthropological Museum*): Av. Visconde de Cauipe 2431, Benfica; f. 1933; Dir. RAIMUNDO GIRÃO.

Goiânia (Goiás)

Museu Estadual (*Goiás State Museum*): Praça Cívica; f. 1946; Dir. REGINA LACERDA; general museum.

Itatiaia (Rio de Janeiro)

Museu Regional do Parque Nacional do Itatiaia (*Regional Museum of Itatiaia National Park*): f. 1942; local flora.

Itú (São Paulo)

Museu Repúblicano Convenção de Itú (*Itú Convention Republican Museum*): Rua Barão de Itaim 69; f. 1923; Cons. MARIA ANTÔNIA L. SAMPAIO; historical; an affiliation of **Museu Paulista,** São Paulo.

Macapá (Território do Amapá)

Museu Territorial do Amapá (*Amapá Territorial Museum*): Fortaleza de S. José de Macapá; f. 1948; zoology, archæology, ethnography and numismatics; expeditions.

Manaus (Amazonas)

Museu do Instituto Geográfico e Histórico do Amazonas (*Museum of the Historical and Geographical Institute of Amazonas*): Rua Bernardo Ramos 131.

Natal (Rio Grande do Norte)

Museu do Instituto Histórico e Geográfico do Rio Grande do Norte: Rua da Conceição 622.

Olinda (Pernambuco)

Museu Regional de Olinda (*Regional Museum of Olinda*): Rua do Amparo 128; f. 1934; historic and regional art.

Ouro Preto (Minas Gerais)

Museu da Escola Nacional de Minas e Metalurgia (*Museum of National School of Mines*): f. 1876; affiliated to the University of Brazil; Dir. Prof. SALATHIEL TORRES.

Museu da Inconfidência (*History of Democratic Ideals and Culture in Minas Gerais*): Praça Tiradentes; f. 1938; library, 2,100 vols.; Dir. ORLANDINO SEITAS FERNANDES.

Petrópolis (Rio de Janeiro)

Museu Imperial (*Imperial Museum*): Av. 7 de Setembro 94; f. 1943; 15,880 period exhibits of Brazilian Empire and Petrópolis history 1808–89, notably imperial regalia, jewels and apparel valued at 150 million cruzeiros; special library on the history of Brazil 16,000 vols.; Dir. FRANCISCO MARQUES DOS SANTOS; publ. *Anuário.*

Pôrto Alegre (Rio Grande do Sul)

Museu "Julio de Castilhos" (*State Museum*): Rua Duque de Caxias 1231; f. 1903; Dir. Dr. DERLY DE A. CHAVES, PH.D.; 4,550 exhibits of national history, including the 1835 Revolutionary period, the Paraguayan War, and collection of Indian pieces; armoury and antique furniture.

Recife (Pernambuco)

Museu do Estado (*State Museum*): Av. Rui Barbosa 960; f. 1929; Dir. JOSÉ MARIA CARNEIRO DE ALBUQUERQUE E MELO; collection of local history.

Museu do Instituto Arqueológico, Histórico e Geográfico Pernambucono: Rua do Hospício 130.

Rio Grande (Rio Grande do Sul)

Museu Oceanográfico (*Oceanographic Museum*): Praça Tamandaré; f. 1953; maritime fauna; Pres. Dr. ELIÉZER DE CARVALHO RIOS.

Sabará (Minas Gerais)

Museu do Ouro (*Gold Museum*): f. 1946; Dir. Dr. ANTÔNIO JOAQUIM DE ANDRADE E ALMEIDA; museum housed in a building dated 1730; Sections: Technical, Historical, Artistic; antique methods of gold mining and smelting; gold ingots, 18th century silverware, 18th century furniture and typical handicrafts of the mining districts.

Salvador (Bahia)

Museu de Arte Antiga: Instituto Femenino da Bahia (*Early Art Museum: Bahia Feminine Institute*): Rua Monsenhor Flaviano 2; f. 1933; Dir. HENRIQUETA MARTINS CATHARINO; collections of religious art, Brazilian art and feminine apparel; also the **Museu de Arte Popular:** f. 1929; gold, silver, jewelry, clothing, weapons.

Museu do Estado da Bahia (*Bahia State Museum*): Avda. Joana Angélica 198; f. 1918; Dir. JOSÉ ANTÔNIO DO PRADO VALLADARES; library, 4,890 vols.; 9,254 exhibits; general collection, with emphasis given to art, particularly Bahian Colonial art; publ. *Publicacões do Museu.*

Museu do Instituto Geográfico e Historico da Bahia: Av. Sete de Setembro; f. 1894; Dir. FRANCISCO DA CONCEIÇÃO MENEZES; mineralogy section, geography, history and folklore.

Museu do Instituto Nina Rodrigues: Rua Alfredo Brito; f. 1896; legal medicine and anthropology.

São Paulo

Museu de Arte Moderna (*Modern Art Museum*): Rua Sete de Abril 230, 2°; f. 1946; Dir. WOLFGANG PFEIFFER; Art Dir. SERGIO MILLIET; promotes the *Bienais*, an exhibition of international character consisting of canvas, sculpture, engravings, drawings, and architectural works; school of craftsmanship.

Museu de Arte de São Paulo: 7 de Abril, 230; f. 1947; Dir. P. M. BARDI; collection of classical and modern paintings, Italian, Spanish, Dutch, Flemish, and French schools; also representative works by Portinari and Lasar Segall; art and music schools and Junior Orchestra attached; Chair. ASSIS CHATEAUBRIAND; publ. *Habitat.*

Museu da Curia Metropolitana (*Metropolitan Synod Museum*): Praça Clovis Bevilacqua 37; f. 1919; Dir. Padre JOÃO KULAY; religious art, numismatics.

Museu do Departamento de Zoologia da Secretaria da Agricultura de São Paulo (*Museum of the Department of Zoology, Secretariat of Agriculture, São Paulo*): Av. Nazareth 481, C.P. 7172; f. 1939; 1,000,000 samples of Brazilian and world fauna; library 50,000 vols.; Dir. P. E. VANZOLINI; publs. *Arquivos de Zoologia do Estado de São Paulo, Papeis Avulsos do Departamento de Zoologia.*

Museu de Etnografia "Plínio Ayrosa" da Faculdade de Filosofia, Ciências e Letras (*Ethnographical Museum of the Faculty of Philosophy, Science and Letters, São Paulo University*): Caixa Postal 8105; f. 1934; Dir. Prof. EGON SCHADEN; over 3,000 exhibits relating to Brazilian Indian cultures, including fine Canella and Bororo collections, Tupi ceramics, Rio Negro wooden signal drums; specialised library open to the public by appointment; publs. series on anthropology.

Museu Florestal "Octavio Vecchi" (*Forestry Museum*): Caixa Postal 1322; f. 1931; Dir. Eng. Agr. ARMANDO VENTURA; a dependency of the Servico Florestal do Estado; forestry and forest technology, collections of local timber.

Museu Folclórico da Discoteca Pública Municipal (*Museum of Folklore of the Public Municipal Record Collection*): Av. Brigadeiro Luiz Antônio 278, 7° andar; f. 1937; 778 pieces.

Museu Paulista (*Paulist Museum*): Alto do Ipiranga; f. 1895; Dir. HERBERT BALDUS; library, 43,000 vols.; historical, ethnological, numismatic specimens; publs. *Anais, Boletim, Revista.*

Pinacoteca do Estado de São Paulo (*State Art Gallery*): Praça da Luz 2; f. 1906; 17 mems.; Dir. TULIO MUGNAINI; publs. catalogues, lectures on art.

Teresópolis (Rio de Janeiro)

Parque Nacional da Serra dos Orgãos (*National Park*): f. 1940; Dir. GIL SOBRAL PINTO; museum.

Terezina (Piauí)

Casa "Anísio Brito" (*"Anisio Brito's House*): Rua Coelho Rodrigues 1016; f. 1941; library and public archives and Piauí historical museum.

Vitória (Espírito Santo)

Museu de Arte Religiosa (*Museum of Religious Art*): Rua José Marcelino s/n; f. 1945; museum of the colonial sacred art.

Museu Capichaba: Av. 15 de Novembro, Jucutuquara; f. 1939; State Museum consisting of sections on archæology, ethnography, sacred art, weapons, folklore and numismatics.

UNIVERSITIES

UNIVERSIDADE DE ALAGOAS

MACEIO

Founded 1961.

Faculties of Philosophy, Science and Letters, Medicine, Law and Odontology.

UNIVERSIDADE DA BAHIA

RUA AUGUSTO VIANA, S/N SAO SALVADOR, BAHIA

Telephone: 78-90.

Founded 1946.

Rector: Prof. M. C. Du Pin e Almeida.

Number of teachers: 540.

Number of students: 5,787.

Libraries: Law Faculty, 3,500 vols.; Medical Faculty, f. 1836, 28,000 vols.

Directors:

Faculty of Architecture: Prof. Walter Velloso Gordilho.

Faculty of Economics: Prof. Sandoval Leitáo da Silva.

Faculty of Law: Prof. Nelson de Sousa Sampaio.

Faculty of Medicine: Prof. Carlos Geraldo de Oliveira.

Faculty of Odontology: Prof. Arnaldo Silveira.

Faculty of Pharmacy: Prof. Adolpho Diniz Gonçalves.

Faculty of Philosophy: Prof. Isaias Alves de Almeida.

Polytechnic School: Prof. Alceu Hiltner.

School of Fine Arts: Prof. Carlos Sepulveda.

School of Librarianship: Prof. Felisbela Liberato de Mates Carvalho.

School of Nursing: Prof. D. Nilza Marques M. Garcia.

School of Administration: Prof. Lafayette Pondé.

School of Agriculture: Prof. José de Vasconcelos Sampaio.

School of Ballet: Prof. Rolf Gelewski.

School of Dietetics: Prof. Adriano de Azevedo Pondé.

School of Geology: Prof. Silvio Matoso.

School of Theatre: Prof. Nilda Spencer.

School of Music: Prof. H. J. Koellreuter.

Professors (*Catedráticos*):

Faculty of Architecture:

Bastos do Amaral, Leopoldo, Higher Mathematics
Braga Guimarães, Admar, Urban Social Organisation
Caetano da Silva, Oscar, Town Planning and Landscape Architecture
César Pires, Tito, Strength of Materials, Building Study
Figueirêdo Brandão, Jair de, Modelling
Fraga, Albérico, Legislation and Political Economy
Furtado de Simas, Carlos, Applied Physics
Gama Abreu, Jayme de, Hygiene
Gomes Simões, Hélio, Studies of Brazil
Lemos Lopes, Messias, Shadows, Perspective, Stereotomy
Lima Pitta, Climério de, Reinforced Concrete
Rebouças, Diógenes, Architectural Composition
Sávio Sobral, Hernani, Building Materials, Soil Studies
Silva, Newton Raimundo da, Drawing
Simas Filho, Américo Furtado de, Production Organisation, Comparative Architecture
Simas Saraiva, Frederico, Topography, Building Techniques
Souza Avila, Guilherme de, Mechanics, Graphic Statics
Velloso Gordilho, Walter, Structural Systems, Architectural Composition

Faculty of Economics:

Alves dos Santos, João, Finance and Fiscal Legislation
Baqueiro Buonavita, Lafayette, Financial Mathematics
Braga, Ivo, International Commerce and Exchange
Calmon de Passos, José Joaquim, Civil and Commercial Legal Procedure
Cardoso Pedrão, Fernando, Income Distribution
Costa e Silva, Ubirajara da, Analytical Mathematics and Actuarial Mathematics
Dantas Pina, Pedro, Balance Structure and Analysis
Figueiredo, Antonio, Mathematical and Demographical Statistics
Franco Vieira, Oldegar, Institutions of Public Law
Gomes dos Santos, Orlando, Institutions of Social Law
Gradin Boulhosa, V. C., International Commerce and Exchange
Lacerda Alves, Antonio Frederico de, Organisation, Industrial and Agricultural Book-keeping
Machado, Augusto Alexandre, Political Economy
Machado, Hermano Augusto P., Financial Science
Matta, Edoard Paulo da, Comparative Study of Economic Systems
Mendonça, João Inacio de, Principles of Applied Sociology and Economy
Pinto de Aguiar, Manuel, Money and Credit
Piva, Mario, Industrial Finance
Ribeiro Cunha, Dario, General Accounting, Public Accounting
Rodrigues Martinez, Militino, Income Distribution
Silva Freitas, Cicero Simoes da, Administrative Science
Souza Oliveira, Nelson de, Economic Statistics, General and Applied Statistics
Souza Sampaio, Nelson de, Institutions of International Law

Faculty of Law:

Azevedo Ponde, Lafayette de, Administrative Law
Baleeiro, Aliomar de Andrade, Financial Science
Balthazar da Silveira, Avandro, Civil Law
Calmon de Passos, Jose, Judicial Civil Law
Carvalho Filho, Aloysio de, Penal Law
Castro, Auto Jose de, Philosophy and Law
Chaves, Raul Affonso Nogueira, Penal Law
Coelho Nogueira, Adalicio, Roman Law
Cunha Goncalves, Aderbal da, Civil Law
Duarte Guimarães, Nestor, Introduction to Science of Law
Fernandes de Barros, Mario da F., Commercial Law
Ferreira Spinola, Lafaiete, Public International Law
Gomes dos Santos, Orlando, Civil Law
Guimarães Gottschalk, Elson, Labour Law
Machado Augusto Alexandre, Political Economy
Martins Catharino, Jose de, Labour Law
Pereira Fraga, Alberico, Judicial Civil Law
Ramos Marinho, Josaphat, Constitutional Law
Raymundo da Silva, Adhemar, Judicial Penal Law
Santos Faria, Sylvio, Financial Science
Santos Seabra, Decio, Commercial Law
Souza Sampaio, Nelson de, General Theory of State
Tourinho Junqueira Ayres, Jayme, Civil Law
Valente de Lima, Estacio Luiz, Forensic Medicine
Viana Neto, Luiz, International Private Law
Viana Filho, Luiz, International Private Law

Faculty of Medicine:

Adeodato de Souza Filho, José, Clinical Obstetrics
Almeida Seabra, João José de, Propædeutic Surgery
Alves Guimarães, Newton, Clinical Dermatology and Syphilography
Araújo Faria, Flavio de, Clinical Surgery
Augusto de Araújo, Cesar, Clinical Medicine
Augusto Novis, Jorge, Physiology
Azevedo Ponde, Adriano de, Clinical Medicine
Bulcão d'Argollo Ferrão, Rodrigo, Operation Techniques and Experimental Surgery
Coelho des Santos, José, Anatomy and Pathological Physiology
Costa Pinto Marback, Heitor da, Opthalmics
Figueira Santos, Roberto, Clinical Medicine
Gaudenzi Tripoli, Francisco, Physiological Chemistry
Geraldo de Oliveira, Carlos, Physical Biology
Leal Costa, Alexandre, Parasitology
Magalhães Neto, Francisco, Hygiene
Menezes Silva, Raphael de, Anatomy
Miraglia, Tulio, Histology and General Embryology
Oliveira, Hosannah de, Clinical Pediatrics and Infant Hygiene
Peltier de Queiroz, Alicio, Clinical Gynæcology
Penna Costa, Arudy, Microbiology
Pires da Veiga, Edgard, Pharmacology
Pondé, Edistio, Clinical Neurology
Ramos, Helio, General Pathology
Rocha, Heonir de Jesus, Clinical Therapeutics
Rocha Salles, Benjamin da, Infant Clinical Surgery and Orthopædics
Rodrigues de Moraes, Carlos, Clinical Oto-Rhino-Laryngology
Rosa Prata, Aluizio, Tropical and Infectious Diseases
Silveira, José, José, Phthisiology

SILVEIRA MASCARENHAS, AUGUSTO DA, Propædeutic Medicine
SOARES PIRES, NELSON, Clinical Psychiatry
VALENTE, JORGE, Clinical Urology
VALENTE DE LIMA, ESTADIO LUIZ, Forensic Medicine

Faculty of Odontology:
ANDRADE PASSO, ELIAS DE, Metallurgy and Applied Chemistry
BANDEIRA DOS SANTOS, JAYME, Physiology
BRASIL, PINHEIRO JOÃO, Technical Odontology
BROCHADO, ALDEMIRO JOSÉ, Anatomy
GLICERIO DA SILVA FERA, CARLOS, Clinical Odontology
LOPES PONTES, GERALDO S. B., Hygiene and Legal Odontology
LOPES PONTES, RAYMUNDO, Prosthetics
MIRAGLIA, TULIO, Histology
OLIVEIRA LIMA, JUTORIB DE, Microbiology
RODRIGUES DA SILVEIRA, ARNALDO, Buco-Facial Prosthetics
TORRES HOMEM, JOSÉ VICENTE, Orthodontics and Odontopediatrics

Faculty of Pharmacy:
BARREIRA DE ALENCAR, MAURO, Galenic Pharmacy
CARVALHO, ADALBERTO DE, Hygiene, Legislative Pharmacy and History of Pharmacy
COLOMBO BARRETO, AIR MIGUEL, Zoology and Parasitology
COUTINHO, JOELVIRO ELSIO, Pharmacognosy
COUTINHO, METZKER ELSIMAR, Chemical Biology
DINIZ GONÇALVES, ADOLPHO, Analytical Chemistry
FRANCO DE ARAUJO, DIRCE, Microbiology
PEREIRA DA ROCHA, NILMAR VICENTE, Organic Chemistry
SILVA, PENILDON, Applied Physics and Pharmacy
TOBIAS NETO, JOSÉ, Chemical Toxicology and Bromatology

Faculty of Philosophy:
Social Science:
AZEVEDO, THALES OLYMPIO GOES DE, Anthropology and Ethnography
BORROMAEUS OTT, CARLOS, Anthropology and Ethnography
MARINHO BARBOSA, GENTIL, General and Applied Statistics
MESQUITA, RENAT O ROLLEMBERG DA CRUZ, Sociology
NAVARRO DE BRITO, LUIS AUGUSTO FRAGA, Political Science
BATISTA NEVES, JOAQUIM, Political Economy and Economic History

Philosophy:
CASTRO, AUTO JOSÉ DE, History of Philosophy
PINHEIRO LIMA, PADRE FRANCISCO, Philosophy
SIMOES, RUY, Philosophy

Pedagogy:
CARVALHO FLORENCE, GUIOMAR DE, History and Philosophy of Education
GAMA E ABREU, EDITH MENDES, General and Special Didactics
MENDONÇA, JOÃO INACIO DE, General Psychology
PITHON PINTO, ANTONIO, Administration and Comparative Education

English-Germanic Literature:
ANDRADE VEIGA, CLAUDIO DE, French Language and Literature
PHEIXOTO, MANOEL, English Language and Literature
ROSSI, NELSON, Philology and Portuguese Language
SA PEREIRA, GABRIELA DE, German Language and Literature

Modern Literature:
GALEFFI, MARIA LUIGIA MAGNAVITA, Italian Language and Literature
GARCIA LABORDA, AURELIO, Spanish Language and Literature
MONTEIRO, GEOVANA BENEDITA, Hispanic-American Literature
PEIXOTO, MANUEL, English Language and Literature
VASCO DA GAMA, NILTON, Romance Philology
VEIGA, CLAUDIO DE ANDRADE, French Language and Literature

Geography:
ANDRADE SAMPAIO LAURO DE, Brazilian Geography
SANTOS, MILTON ALMEDIA DOS, Human Geography

History:
CALASANS BRANDAO DA SILVA, JOSÉ, Modern History
DIAS TAVARES, LUIZ HENRIQUE, Brazilian History
FIGUERE DO FILHO, GODOFREDO, History of Brazilian Art
MONIZ DE BITTENCOURT, JORGE CALMON, History of America
MURICY, ARARY SAMPAIO, Ancient and Medieval History

Physics:
PERRET SERPA, LUIZ, Theoretical Physics
SILVA RAMOS, ALVARO DA, General and Experimental Physics

Natural History:
ALMEDIA SEABRA, JOÃO JOSÉ DE, Zoology
LEAL COSTA, ALEXANDRE, Botany
MOREIRA PINTO, JOSÉ, General Biology
PEIXOTO DE MAGALHÃES, FRANCISCO, General Biology

Mathematics:
MOURA BASTOS, LUIZ DE, Analytical Mathematics and Superior Analysis
SILVA GOMES, ARISTIDES DA, Projective Analytical Geometry
TAVARES FILHO, PEDRO MUNIZ, Rational Mechanics

Chemistry:
GUADENZI, TRIPOLI FRANCISCO, Organic Chemistry
GUIMARÃES, ARQUIMEDES PEREIRA, Physical Chemistry
TOBIAS NETO, JOSÉ, General Chemistry, Inorganic and Analytical Chemistry

UNIVERSIDADE CATÓLICA DA BAHIA

SALVADOR, BAHIA

Founded 1961.

Faculties of Economics, Law and Philosophy.

UNIVERSIDADE DE BAURO

BAURO

Founded 1965.

DEAN:

Prof. Dr. P. DE T. ARTIGAS.

PROFESSORS:

Faculty of Pharmacy and Odontology:
ARAUJO, P. A. DE, Materia Dentica
ATTA, A. G., Physiology
BRANDÃO, H. J. S., Pathology
CARDOSO, O. DOS S., Dental Restoration
KLOBUSTIZKY, D. DE, Biochemistry
MARQUES, A. L. V., Microbiology
SALZANO, H., Anatomy and Histology
TAMAKI, T., Dental Prosthetics

The following faculties have recently been established:
Faculty of Medicine
Faculty of Law
Faculty of Technical Sciences
Faculty of Economy

UNIVERSIDADE DO BRASIL

AVENIDA PASTEUR, 250,
RIO DE JANEIRO,
GUANABARA STATE

Telephone: 463907.

Founded 1920.

Rector: Dr. PEDRO CALMÓN MUNIZ DE BITTENCOURT.
Vice-Rector: Dr. DEOLINDO COUTO.

Number of teachers: 1,402.
Number of students: 8,225.

Publications: *Anais da Universidade do Brasil, Boletim da Universidade do Brasil, Anais da Faculdade Nacional de Odontologia, Anuário da Escola Nacional de Engenharia, Anuário da Escola Nacional de Quimica, Arquivos da Escola Nacional de Belas Artes, Bibliográfia Geográfica do Brasil, Boletim de Geográfia, Boletim de História, Cadernos de Ciências Sociais, Jornal de Psiquiatria, Revista da Faculdade Nacional de Filosofia.*

DIRECTORS:

Faculty of Architecture: Prof. RAYMUNDO BARBOSA DE CARVALHO NETTO.
Faculty of Economics: Dr. T. BRANDÃO CAVALCANTI.
Faculty of Law: Prof. HERMES LIMA.
Faculty of Medicine: Dr. FRANCISCO BRUNO LOBO.
Faculty of Odontology: Dr. CHRYSO DE LEÃO.
Faculty of Pharmacy: Prof. HERMES LIMA.
Faculty of Philosophy: Prof. EREMILDO LUIZ VIANA.
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School of Engineering: Dr. RUFINO ALMEIDA PIZARRO.
School of Mining and Metallurgy: Dr. SALATHIEL TORRES.
School of Music: Prof. JOSANIDIA SODRÉ.
School of Chemistry: Dr. ANIBAL C. BITTENCOURT.
School of Physical Education and Sports: Dr. WALDEMAR ARENO.
"Anna Nery" School of Nursing: Prof. D. WALESCA PAIXÃO.

PROFESSORS:

Faculty of Architecture:
Architecture:
ALVES DE SOUZA, WLADIMIR, Theory of Architecture
AZAMBUJA, DAVID ZAVIER DE, Decorative Composition
BARBOSA DE C. NETTO, RAYMUNDO, Technique of Construction
BAVA, UBI, Artistic Design
EWERARD NUNES PIRES, PAULO, Architectural Composition
FERREIRA SANTOS, PAULO, Architectural Composition

Flexa Ribeiro, Carolos Otavio, History of Art
Fonseca, Ademar da Cunha, Rational Mechanics
Furtado Simas, José, Structural Systems
Haddad, Chafi, Higher Mathematics
Hime, Eugenio, Applied Physics
Mascarenhas da Silva, Ildefonso, Political Economy
Mayerhofer, Lucas, Analytical Architecture
Memoria Archimedes, Architectural Composition
Moreira da Rocha, Aderson, Ferro-Concrete
Nogueira da Paula, Luiz, Organisation of Work
Octacilio de Saboya Ribeiro, José, Urban Architecture
Oliveira Júnior, Nestor de, City Sanitation
Pompeu Pinheiro, Gerson, Shadow Perspective
Rabello A. Pires, Maria, Descriptive Geometry
Ribeiro Viegas, Mauro, Materials of Construction
Santos Reis, Felippe dos, Resistance of Materials

Urban Studies:
Countinho Lobo, Durval, Social Organisation of Cities
Octacilio de Saboya, Ribeiro, Urban Evolution
Oliveira Reis, José de, Municipal Administration
Penna Firme, Raúl, Theory and Practice of Planes
Penna Guedes da Silva Rosa, Newton Rural Architecture
Pernetta, Augusto, Urban Statistics and Documentation
Xavier Andrade Pedrosa, Homero, Public Utility Services

Faculty of Economics:
Aguiar Costa Pinto, Luiz, Principles of Sociology Applied to Economics
Almedia Santos, Genival de, Distribution of Social Income
Ayers, Couto, Alvaro, Revision and Expert Accountancy
Baster Pilar, Luiz Pedro, Legislative and Finance
Brandão Cavalcanti, Themistocles, Institutions of Public Law
Campos, Nilton, Social Psychology and Economics
Canedo de Magalhães, Guilherme A., Institutions of Private Law
Correa, Oscar Dias, Political Economy
Dias da Silva, Ismar, General Accounting
Dias Leite Júnior, Antonio, Structure of Economic Organisation
Domingues, Carlos Augusto G., Practice of Civil and Commercial Processes
Feijó Sampaió, Alde, Distribution of Social Income
Felippe Kafuri, Jorge, Trade Reports
Florentino, Américo Matheus, Banking and Insurance Organisation
Garcia de Miranda Neto, Antonio, General and Applied Statistics
Gilson, Iberê, Public Accounting
Gouvêa de Bulhoes, Octávio, Value and Formation of Prices
Jobin Bittencourt, Raúl, Economic History
Kingston, Jorge, Economic Statistics
Lima Menezes, Djacir, Financial Enterprises
Lisbôa Browne, Alfredo, Political Economy

Lopes Rodrigues, Eduardo, Financial Science
Mascarenhas da Silva, Idlefonso, Institutions of Social Law
Mello Carvalho, Thales de Faria, Financial Mathematics
Montano, Umberto, Industrial and Agricultural Accounting
Moreira Pinto, Mauro Antonio, Mathematics and Statistics
Nogueira de Paula, Luiz, Comparative Studies of Economic Systems
Nunes da Silva Guimaraes, José, International Commerce
Nunes Pereira, Altamirano, Economic Geography
Oliveira Campos, Robertodde, Money and Credit
Porto Carreiro, Oscar Edivaldo, Mathematical Statistics and Demography
Pôrto Moitinho, Alvaro, Administrative Science
Sán Thiago Dantas, Francisco C. de, Institutions of Civil and Commercial Law
Souz Montello, Jessé de, Mathematical Analysis

Faculty of Law:
Albuquerque Mello, Linneu de, Public International Law
Arinos de Mello Franco, Affonso, Constitutional Law
Bessone de O. Andrade, Darcy, Commercial Law
Bilac Pinto, Olave, Administrative Law
Buys de Barros, Aoamiro, Financial Science
Calmon Moniz de Bittencourt, Pedro, General Theory of State
Costa Pereira, Aguinaldo, Constitutional Law
Estellita, Guilherme, Civil Judiciary Law
Ferreira de Souza, José, Commercial Law
Guedes C. Gondim Neto, Joaquim, Civil Law
Guimarães, Hahnemann, Civil Law
Lima, Hermes, Introduction to the Science of Law
Lins Palmeira, Pedro, Civil Judiciary Law
Londres da Nóbrega, Vandick, Roman Law
Madureira de Pinho, Desmosthenes, Penal Law
Mangabeira, Francisco, Political Economy
Moraes Filho, Evaristo de, Labour Law
Paulo da Rocha, Clóvis, Civil Law
Penteado Stevenson, Oscar, Penal Law
Pereira Viana, Ataliba, Constitutional Law
San Thiago Dantas, Francisco C., Civil Law
Silva Campos, Francisco Luiz de, Philosophy of Law
Souza Gomes, Helio de, Legal Medicine
Teixeira Valladão, Haroldo, Private International Law
Tornaghi, Helio Bastos, Penal Judiciary Law

Faculty of Medicine:
Abreu Fialho, Silvio de, Ophthalmology
Aciolli Rabello, Francisco Eduardo, Dermatology and Syphilology
Alipio Bruno Lobo, Francisco, Histology and Embryology
Andrade, Mariano Augusto de Andrade, Surgery

Canejo, Alberto Francisco, Anatomy and Physiological Pathology
Carvalho, Paulo de, Urology
Castro Pinheiro Guimarães, Ugo de, Surgery
Cesar Martins, Thales, Physiology
Chagas, Filho Carlos, Physical Biology
Figueiredo, Carlos Augusto de O., Urology
Fraga Filho, Clementino, Medicine
Froes da Fonseca, Alvaro, Anatomy
Goes, Raulo de, Microbiology
Ibiapina, Antonio, Phthisiology
João Feijo, Gentil Luiz, Medicine
Leme Lopes, José, Psychiatry
Lima, Carlos Cruz, Medical Propædeutics
Lima, Ermiro, Oto-Rhino-Laryngology
Lima, Octavio Rodrigues, Obstetrics
Lopes Pontes, José de Paula, Medicine
Lutz, Gualter Adolpho, Legal Medicine
Magalhães Gomes, Edgard, Medicine
Mameri Abedur, Assad, Surgery
Moraes Grey, Jorge de, Surgical Propædeutics
Motta Maia, Manoel Claudio de, Operational Techniques
Nogueira Junior, Anibal da Rocha, Therapeutics
Nunes Couto, Deolinda Augosto de, Neurology
Pereira Monteiro, Alfredo Alberto, Surgery
Ribeiro da Fonseca, Olimpio O., Parasitology
Ribeiro de Araujo, Achiles, Surgery and Infantile Orthopædics
Rodrigues da Silva, José, Tropical Diseases and Infections
Rocha, José Martinho da Rocha, Pediatrics
Rosa, José Vitor, Radiology
Scorzelli Júnior, Achilles, Hygiene
Silva Fialho, Amadeu da, Anatomy and Physiological Pathology
Silva Lacaz, Paulo da, Chemical Physiology

Faculty of Odontology:
Armando, Roberto Alvares, Histology and Microbiology
Armando Jurgensen, Claudio, Microbiology
Arruda de Brito, Abelardo, Technical Odontology
Bevilacqua, Sylvio, Surgical Odontology
Edimo Soares Martins, José, Orthodontology and Child Dentistry
Estevam de Lima, Ermiro, Anatomy
Ferreira Pires, José, Surgical Odontology
Leão Fontes, Chryso de, Buco-Facial Prosthetics
Lessa Bastos, Decio, Histology
Martins Alvarez, José, Metallurgy and Applied Chemistry
Mello Doria, Alvaro de, Hygiene and Legal Odontology
Moojen de Oliveira, Virgilio, Dental Prosthetics
Pedreira, Rugerpe Antonio, Pathology and Applied Therapeutics
Vignoli, Jayme, Physiology

Faculty of Pharmacy:
Alvares Pereira, Nuno, Pharmacodynamics
Belfort Bethlem, Maria Luiz, Chemical Bromatology
Diniz da Silva, Emilio, Galenic Pharmacy
Goes, Paulo de, Microbiology
Medina Quintela, Donaldson, Analytical Chemistry

Morães, Ruy Gómes de, Zoology and Parasitology
Noronha da Costa, Alvaro, Chemical Pharmacy
Occhioni, Paulo, Applied Botany and Pharmacy
Pecegueiro Gomes da Cruz, Jayme, Pharmacognosy
Rodrigues Pereira, Lafayette, Applied Physics and Pharmacy
Silva Jardim, Alcides Figueiredo da, Industrial Pharmaceutical Chemistry
Silva Júnior, Marcelo, Hygiene and Legal Pharmacy
Silva Júnior, Marcelo, Public Health
Silva Lacaz, Paulo da, Organic Chemistry and Biology
Taveira, Mario, Chemical Bromatology and Toxicology

Faculty of Philosophy:

Social Sciences:
Abreu da Rocha Freire, Lucy, Human Geography
Alayde Soares, Wanda, History of Philosophy
Apolônio de Castro, Josué, Human Geography
Kingston, Jorge, General and Applied Statistics
Leal, Hildebrando, Sociology
Lima Menezes, Djacir, Economic History
Nunes, Leal, Victor, Politics
Ribeiro, Darcy, Brazilian Ethnography
São Paulo de Vasconcelos, Mariha, Anthropology and Ethnography
Zbrozek, Jerzy Zbigniew, Ethics and Aesthetics

Philosophy:
Borges Vieira Pinto, Alvaro, History of Philosophy
Campos, Nilton, Psychology
Leal, Hildebrando, Sociology
Prado Mendonca, Eduardo, Philosophy
Zbrozek, Jerzy Zbigniew, Ethics and Aesthetics

Pedagogy:
Alayde Soares, Wanda, History of Philosophy
Avidos Peixoto, Maria Eisal, Biological Fundamentals of Education
Fortes Abu-Merhy, Nair, School Administration and Comparative Education
Faria Góes Sobrinho, José de, Statistical Education
Jobim Bitencourt, Raul, History and Philosophy of Education
Kanitz Vicente Viana, Dulce, Educational Psychology
Leal, Hildebrando, Sociology
Muller Bueno, Lauro, History of Education
Otoni de Carvalho, Luci, Complementary Mathematics

Anglo-Germanic Literature:
Amoroso Lima, Alceu, Brazilian Literature
Ferreira da Cunha, Celso, Portuguese Language
Kohnen, Franz, German Language and Literature
Kohnen, Mansueto, German Language and Literature
Matoso Câmara Júnior, Joaquim, Linguistics
Oliveira Gomes, Aila de, English Literature and Language

Classical Literaure:
Berge, Reinholt José Augusto, Greek Literature and Language
Faria Júnior, Ernesto de, Latin Language and Literature
Ferreira da Cunha, Celso, Portuguese Language
Martins Moreira, Thiers, Portuguese Literature
Matoso Câmara Júnior, Joaquim, Linguistics
Silva Neto, Serafim da, Romance Philology
Trindade Negrão, Maria José da, Brazilian Literature

Romance Literature:
Alvim Correia, Roberto, French Language and Literature
Amoroso Lima, Alceu, Brazilian Literature
Grassia Sebeno Biachini, Aida, Italian Language and Literature
Faria Júnior, Ernesto de, Latin Language and Literature
Ferreira da Cunha, Celso, Portuguese Language
Karacuchansky Josef, Bela, Hispanic American Literature
Lisboa, José Carlos, Spanish Language and Literature
Martins Moreira, Thiers, Portuguese Literature
Matoso Câmara Júnior, Joaquim, Linguistics
Silva Neto, Serafim da, Romance Philology

Geography:
Castro, Josué Apolonio de, Human Geography
Demangeot, Jean, Regional Geography
Lenz Cesar, Heldio Xavier, Cartography
Queiroz Rabelo, Clarindo de, Mineralogy and Petrography
Ribeiro Leuzinger, Victor, Physical Geography
Rocha Freire, Lucy Abreu da, Human Geography
São Paulo de Vasconcelos, Marina, Anthropology and Ethnography
Sternberg, Hilgard, Geography of Brazil

History:
Albuquerque Lima, Silvio Julio de, History of America
Leite Linhares, Maria Yedda, Modern and Contemporary History
Pintado y Camacho, Ramiro Fernandez, Iberian Civilisation
Vianna, Eremildo Luiz, History of Antiques
Vianna, Hélio, History of Brazil

Physics:
Abdelhay, José, Mathematical Analysis and Higher Analysis
Dias Tavares, Armando, General and Experimental Physics
Leite Lopes, José, Theoretical Physics and Higher Physics
Mansueto Giulio Lattes, Cesar, Nuclear Physics
Oliveira Júnior, Ernesto Luiz de, Geometry
Sussekind Rocha, Plinio, Rational Mechanics

Natural History:
Arens, Karl, Botany
Azevedo Pacheco Leão, Aristides, Comparative Animal Anatomy and Physiology
Calheiros da G. de M. Keitão, Aloisio, Zoology
Chagas Filho, Carlos, Biophysics
Coelho Barrozo, Neuza Amazonas, Palæontology of Invertebrates
Ferreira d'Azevedo, Mozart, Complementary Physics
Ladgen Cavalcanti, Antonio Geraldo, General Biology
Moreira Couceiro, Antonio, Histology and Comparative Animal Biology
Queiroz Rabélo, Clarindo de, Mineralogy and Petrography
Ribeiro Lessa, Octacilio, Bio-Geography
Teixeira Coelho Fo., Thomaz Alberto, Geology and Palæontology

Mathematics:
Abdelhay, José, Mathematical and Higher Analysis
Bassi, Achille, Topological Analysis
Dias Tavares, Armando, General Physics
Melo N. Abdelhay, Maria Yolanda de, Complementary Mathematics
Mouzinho Leite Lopes, Maria Laura, Geometry
Nachbin, Leopoldo, Algebraical Topology
Oliveira Júnior, Ernesto Luiz de, Geometry
Silveira M. Rodrigues Pereira, Gaspar, Complementary Mathematics
Sussekind Rocha, Plinio, Rational Mechanics

Chemistry Course:
Cardoso, João Christovão, Physical Chemistry and Higher Chemistry
Consane Perrone, João, Biochemistry
Frota Pessoa, Elisa Esther N., General and Experimental Physics
Galper, Marcos, Complementary Mathematics
Krauledat, Werner Gustav, General Chemistry
Silveira Ramos, Athos da, Organic Chemistry
Távora Filho, Elysiário, Mineralogy and Petrography
Tiommo, Jaime, Electro-Magnetic Theory

Didactics:
Alves de Matos, Luiz Narciso, General Didactics
Carvalho Florence, Edwiges de, Educational Psychology
Spínola Teixeira, Anísio, Comparative School Administration

Journalism:
Andrad Rizzini, Carlos de, Publicity
Carneiro Leão, Mucio, Ethics and Legislation of Printing
Castro, Josué Apolônio de, Human Geography
Dias Pequeno, Marcial, Newspaper Administration
Freire Ribeiro, Pedro, History of Civilisation
Kelly, Celso, History of Art
Leal, Hildebrando, Sociology
Nunes Leal, Victor, Politics
Pinheiro Jobin, Danton, Technique of Journalism
Rocha Freire, Lucy Abreu da, Human Geography
Rodrigues da Silva, Romeu, Political Economy
Simeão Leal, José, Technique of Periodical Press
Sternberg, Hilgard, Geography of Brazil
Tude de Souza, Fernando, Radiodiffusion
Vianna, Hélio, History of Brazil

School of Fine Arts: 25 professors
School of Engineering: 38 professors
School of Mining and Metallurgy: 32 professors
School of Music: 56 professors
School of Chemistry: 22 professors

School of Physical Education and Sports: 18 professors
"Anna Nery" School of Nursing: 50 professors

AFFILIATED INSTITUTES
(Instituicões Anéxas)

Centro de Pesquisas de Geográfia do Brasil (*Research Centre of Brazilian Geography*): Av. Pres. Antônio Carlos 40, 9° andar, Rio de Janeiro.
Director: Dr. HILGARD O'REILLY STERNBERG.

Departamento de Fisica de Escola Nacional de Engenharia (*Physics Department, National Faculty of Engineering*): Largo de São Francisco 24, Rio de Janeiro.
Chief: Prof. A. J. COSTA NUNES.

Nucleo de Estudos e Pesquisas Científicas da Faculdade Nacional de Filosofia (*Centre of Studies and Scientific Researches, National Faculty of Philosophy*): Av. Pres. Antônio Carlos 40, Rio de Janeiro.
President: Dr. JOÃO CRISTOVAO CARDOSO.

Centro de Estudos de Lógica Matemática da Faculdade Nacional de Filosofia (*Centre of Studies on Mathematical Logic, National Faculty of Philosophy*): Av. Pres. Antônio Carlos 40, 6° andar, Rio de Janeiro.
President: Dr. JORGE EMANUEL FERREIRA BARBOSA.

Centro de Pesquisas Endocrinológicas da Universidade do Brasil (*Centre of Endocrinological Researches*): Rua Santa Luzia 206, Rio de Janeiro.
Director: Prof. CLEMENTINO FRAGA FILHO.

Centro de Pesquisa de Genética da Faculdade Nacional de Filosofia (*Centre of Genetics Research, National Faculty of Philosophy*): Av. Pres. Antônio Carlos 40, Rio de Janeiro.
Director: Prof. ANTONIO GERALDO LAGDEN CAVALCANTI.

Departamento de História Natural da Faculdade Nacional de Filosofia (*Department of Biology, National Faculty of Philosophy*): Av. Pres. Antônio Carlos 40, Rio de Janeiro.
Chief: Prof. THOMAZ ALBERTO TEXEIRA COELHO FILHO.

Instituto de Biofísica (*Institute of Biophysics*): Av. Pasteur 458, Rio de Janeiro.
Director: Prof. CARLOS CHAGAS FILHO.

Instituto de Microbiologia Médica (*Institute of Medical Microbiology*): Av. Pasteur, 250, Rio de Janeiro.
Director: Prof. PAULO DE GOES.

Instituto de Neurologia (*Institute of Neurology*): Av. Venceslau Brás, 95, Rio de Janeiro.
Director: Prof. DEOLINDO COUTO.

Instituto de Nutrição (*Institute of Nutrition*): Largo da Misericórdia 24, Rio de Janeiro.
Director: Dr. CLEMENTINO FRAGA FILHO.

Instituto de Psicologia (*Institute of Psychology*): Av. Nilo Peçanha, 155, 6° andar, Rio de Janeiro.
Director: NILTON CAMPOS.

Instituto de Psiquiatria (*Institute of Psychiatry*): Av. Venceslau Brás 71, Rio de Janeiro.
Director: Prof. ADAUTO BOTELHO.

Instituto de Puericultura (*Institute of Pediatrics*): Av. Alte. Trompowski, Ilha do Fundão.
Director: Prof. JOSE MARTINHO DA ROCHA.

Centro de Pesquisas de Mecânica dos Solos da Escola Nacional de Engenharia (*Centre of Research on Soil Mechanics, National Faculty of Engineering*): Largo de S. Francisco 24, Rio de Janeiro.

Centro de Pesquisas de Resistencia dos Materiais da Escola Nacional de Engeharia (*Centre of Research on Materials Resistance, National Faculty of Engineering*): Largo de S. Francisco 24, Rio de Janeiro.

Instituto de Eletrotécnica (*Institute of Electrotechnics*): Praça da Republica 22, Rio de Janeiro.
Director: Prof. ERNANI DA MOTTA REZENDE.

Museu Nacional (*National Museum*): Quinta da Boa Vista-São Cristóvão, Rio de Janeiro.
Director: Dr. JOSE CANDIDO DE MELLO CARVALHO.

UNIVERSIDADE DE BRASÍLIA

BRASÍLIA, D.F. (APT. 15)
Telephone: 2-8155, 2-6066, 2-6866.

Founded 1961; inaugurated 1962.

Rector: Prof. Dr. ZEFERINO VAZ.
Vice-Rector: (Vacant).
Librarian: Prof. A. LELLIS CORRÊA.

Number of teachers: 209.
Number of students: 1,215.

CO-ORDINATORS OF COURSES IN CENTRAL INSTITUTES:

Letters: Prof. C. VERSIANI DOS ANJOS.
Human Sciences: Prof. A. L. MACHADO NETO.
Library Science: Prof. E. NERY DA FONESCA.
Mathematics: Prof. LEOPOLDO NACHBIN.
Arts: Prof. A. ÁQULA DA ROCHA MIRANDA.
Biology: Prof. M. ROCHA E. SILVA.
Physics: Prof. J. TIOMNO.
School of Architecture: O. NIEMEYER.

ADDITIONAL UNITS FUNCTIONING WITHIN THE UNIVERSITY:

Centre of Cultural Extension.
Co-ordinator: Prof. R. POMPEU DE SOUZA BRASIL.

Brazilian Centre for Portuguese Studies.
Co-ordinator: Prof. G. A. BAPTISTA DA SILVA.

Integrated Centre of Secondary Education (for University entrance training).
Director: Prof. J. A. ARAGÃO.

UNIVERSIDADE CATÓLICA DE CAMPINAS

RUA MARECHAL DEODORO 1099, CAMPINAS, SÃO PAULO

Founded 1955.

Rector: Mons. EMILIO JOSÉ SALIM.
Secretary-General: ROBERTO PINARELLO ALMEIDA.

Number of teachers: 230.
Number of students: 2,163.

DIRECTORS:

Faculty of Economics: Prof. JOSÉ VICENTE.
Faculty of Law: Prof. CARLOS FOOT GUIMARÃÉS.
Faculty of Odontology de Campina: Prof. JOÃO CUMERCINDO GUIMARÃES.
Faculty of Philosophy, Science and Letters: PE. AMAURY CASTANHO.
Academy of Choral Singers "Maestro Julião": Prof. LUIZ BIELA DE SOUZA.
School of Librarianship: CÔNEGO TOMAS VAQUERO.
School of Nursing "Madre Maria Teodora": IRMÁ MARIA ANTONIETA DE BARROS.
School of Social Service: MADRE MARIA MESQUITA SAMPAIO.

PROFESSORS:

Faculty of Economics: 22
Faculty of Law: —
Faculty of Odontology (Campinas): 22
Faculty of Philosophy:
Pedagogy: 8
English-Germanic Literature: 5
Romance Literature: 7
Geography: 9
History: 7
Mathematics: 8
Didactics: 4
Academy of Choral Singers, "Maestro Julião": 18
School of Librarianship: 5
School of Nursing, "Madre Maria Teodora": 58

FUNDAÇAO UNIVERSIDADE DE CARATINGA

CARATINGA, MINA GERAIS

Founded 1964.

UNIVERSIDADE DO CEARÁ

RUA VISCONDE DE CAUÍPE 2853 FORTALEZA, CEARÁ

Telephone: 3-0249, 3-0240 and 1-1911.

Founded 1955.

Rector: Dr. ANTONIO MARTINS FILHO.
Vice-Rector: Prof. RAIMUNDO RENATO DE ALMEIDA BRAGA.
Secretary: Prof. JOSE MILTON DE VASCONCELOS DIAS.
Librarian: MARIA DE CONCEIÇÃO SOUSA.

Number of teachers: 495.
Number of students: 4,851.
Publications: *Boletim, Anais.*

DIRECTORS:

Faculty of Economics: Prof. ARY DE SA CAVALCANTE.
Faculty of Law: Prof. LUIZ CRUZ DE VASCONCELOS.

Faculty of Medicine: Prof. OCELO PINHEIRO.
Faculty of Pharmacy and Odontology: Prof. AILTON GONDIN LÓSSIO.
Faculty of Philosophy, Sciences and Languages: Prof. Pe. ANTÔNIO BATISTA LUZ.
School of Agronomy: Prof. BRISCO BEZERRA.
School of Engineering: Prof. GENESIO MARTINS ARAUJO.
School of Nursing: Sister SYRENA DE CASTRO BONFIM.
School of Social Services: Prof. MARIA AUREA BESSA.
Faculty of Philosophy (Crato): Prof. JOSÉ NEWTON ALVES DE SOUZA.
Faculty of Sciences (Economics) (Crato): Prof. SAMPAIO LACERDA.
Faculty of Philosophy (Sobral): Prof. GERARDO GOMES.

PROFESSORS:

Faculty of Economics: 51
Faculty of Law: 38
Faculty of Pharmacy and Odontology:
Pharmacy: 24
Odontology: 30
Faculty of Philosophy, Sciences and Languages: 20
Faculty of Philosophy (Catholic): 51
Faculty of Medicine: 134
School of Agronomy: 34
School of Engineering: 65
School of Nursing: 27
School of Social Services: 22

UNIVERSIDADE DO ESPÍRITO SANTO

VITÓRIA, ESPÍRITO SANTO

Founded 1955.

Rector: Dr. NEWTON DE BARROS.

Number of teachers: 133.
Number of students: 401.

DIRECTORS:

Faculty of Economics: Prof. ALTAYR MORAES.
Faculty of Odontology: Prof. SEBASTIÃO DA SILVA MARRECO.
Faculty of Philosophy: Prof. JOSÉ LEÃO.
School of Engineering: Prof. DIDO FONTES DE FARIA BRITO.
School of Fine Arts: Prof. MARCELO VIVACQUA.

PROFESSORS:

Faculty of Economics: 6
Faculty of Odontology: 17
Faculty of Philosophy:
Pedagogy: 8
English-Germanic Literature: 5
Romance Literature: 9
Geography and History: 4
Geography: 4
History: 3
School of Engineering: 27
School of Fine Arts: 10

UNIVERSIDADE FLUMINENSE

RUA MARECHAL DEODORO
NITERÓI, RIO DE JANEIRO

Founded 1964.

UNIVERSIDADE DE GOIÁS

C.P. 86, GOIANIA, GOIÁS

Telephone: 6-4429.

Founded 1959.

Chancellor: Dr. F. GOMES DOS SANTOS.
Rector: Pe. ORMINDO VIVEIROS DE CASTRO.
Chief Administrative Officer: Dr. B. ODILON ROCHA.

Number of teachers: 133.
Number of students: 1,266.

DEANS:

Faculty of Economics: Prof. JOSÉ LOBO FILHO.
Faculty of Law: Prof. JERONIMO GERALDO DE QUEIROZ, S.J. (22 professors).
Faculty of Philosophy: Pe. LUIZ THOMAZZI, S.J.
School of Nursing, "São Vicente de Paulo", Hospital: Ir. JOSEFA DIAS LIMA.
School of Social Service: Prof. MARIA ANTOINETA ESMERALDO CABRAL (31 professors).

UNIVERSIDADE FEDERAL DE GOIÁS

GOIANA, GOIÁS

Founded 1964.

Rector: Prof. Dr. C. NATAL E SILVA.

UNIVERSIDADE DO ESTADO DA GUANABARA

TRAVESSA EURICLES DE MATTOS 17, LARANJEIRAS, RIO DE JANEIRO, GB.

Telephone: 45-8034.

Founded 1961.

Chancellor: C. F. WERNECK DE LACERDA.
Vice-Chancellor: M. T. TOURINHO SARAIVA.
Rector: Prof. H. LISBOA DA CUNHA.
Chief Administrative Officer: Prof. L. P. CORDEIRO DE SOUZA.

Number of teachers: 601.
Number of students: 4,827.

Publications: *Revista, UEG-Notas e Informações, R.E.S., Boletim da Associaçqo dos Diplomados.*

DEANS:

Training College of Faculty of Philosophy, Sciences and Letters: Prof. A. R. BARBOSA.
School of Nursing: Dr. L. S. M. RODRIGUES PEREIRA.
Faculty of Administration and Finances: Prof. L. S. VIVEIROS DE CASTRO.
Faculty of Economic Sciences: Prof. A. R. DA C. MARQUES.
Faculty of Medical Sciences: Dr. A. P. CARNEIRO.
Faculty of Law: Prof. O. A. TENÓRIO.
Faculty of Engineering: Dr. C. D. NETTO.
Faculty of Philosophy, Sciences and Letters: Prof. A. MAGNO DA SILVA.

Faculty of Social Science: Prof. N. CIDADE PALMEIRO.
Institute of Criminology: Dr. B. M. FILHO.
Institute of Political and Social Economy: Dr. A. DE A. BALEEIRO.
Institute of Physics: Prof. F. A. GOMES FILHO.
Institute of Hygiene: Dr. J. S. BANDEIRA DE MELLO.

UNIVERSIDADE DE JUIZ DE FORA

JUIZ DE FORA, MINAS GERAIS

Founded 1961.

Rector: M. BORGES DE MATTOS.

Faculties of Medicine, Law, Economics, Philosophy and Letters.

INSTITUTO MACKENZIE

RUA MARIA ANTÓNIA, 403, SÃO PAULO

Telephone: 32-6161.
Telegraphic Address: Collemack.

Founded 1870 as the *Escola Americana.* In 1886 secondary school courses were added; the School of Engineering was created in 1896, the Commercial School in 1902 and the Technical School in 1932. In 1947 the Faculty of Architecture was separated from the School of Engineering, the Faculty of Economics was founded in 1950 and the Law School in 1954.

President: Dr. OSWALDO MULLER DA SILVA.
Vice-President: Gr. GUARACY A. RIBEIRO.
Director-Treasurer: Cel. THEODORO ALMEIDA PUPO.
Librarian: D. HELOISA ALMEIDA PRADO.

Number of teachers: 390.
Number of students: 7,164.

The Institute consists of the Universidade Mackenzie (below).

UNIVERSIDADE MACKENZIE

RUA MARIA ANTÓNIA 403, SAO PÃULO

Telephone: 341314.

Rector: Prof. Dr. HENRIQUE GUILHERME THUT.
Secretary-General: ENÉAS BASTOS E SOUZA.

DIRECTORS:

School of Engineering: Prof. Dr. A. V. DO COUTO.
Faculty of Agriculture: Prof. Dr. JOÃO FRANCISCO PORTILHO DE ANDRADE.
Faculty of Philosophy, Science and Letters: Prof. FRANCISCO BRANDL HOFFMAN.
Faculty of Economics: Prof. PAULO GUARACY SILVEIRA.
Faculty of Law: JORGE AMERICANO.

PROFESSORS (*Catedráticos*):

Faculty of Philosophy, Science and Letters:
School of Philosophy:
CAMPELLO, JORGE FREIRE, Sociology
PENNA, JOÃO B. DAMASCO, Psychology

School of Physics and Mathematics:
ANTUNES, ARNALDO NORA, Mathematical Physics
MORAES, ABRAHÃO DE, Theoretical and Advanced Physics
SANGIORGI, OSVALDO, Experimental Physics

Classical and Neo-Latin School:
BECKER, IDEL, Spanish Language and Literature, Hispanic-American Literature
BOSI, ALFREDO, Latin
LEONI, GIULIO DÁVIDE, Italian Language and Literature
MIAZZI, MARIA LUIZA FERNANDEZ, Romanic Philology
MELLO, ELISA PRESTES, Portuguese Literature
MOISÉS, MASSAUD, Brazilian and Portuguese Literature

School of Engineering:
COUTO, ANTÓNIO VALENTE DE, Qualitative, Quantitative and Technical Chemical Analysis
KOSUTA, FRANCISCO J. ESTEVES, Descriptive and Projective Geometry
KRAUER, RODOLFO, Jr., Technological, Physical, Electrical, Industrial and Analytical Chemistry
LAEY, ADOLFO OTTO DE, Organic Chemistry, Geology and Biochemistry
ORLANDI, SERAFIM, Topography, Astronomy and Geodesy
SMIT, JAROSLAV

Faculty of Economics:
BAILÃO, JAMIL MUNHOZ, Comparative Economy
BASILE, ERNESTO, Tax and Fiscal Legislation
CAMPOS, LICURGO DO AMARAL, General and Public Accounts
CAROPRESO, ARMANDO, Company Finance
CAVALHEIRO, LUIZ A. F., Mathematical Analysis
GONÇALVES, ORESTES, Finance
MACEDO, GENESIO BORGES DE, Public Law Institutions
MARTINS, CORIOLANO M., Money and Credit
PAGANO, AÚTHOS (Count), Statistical Methods
PAGANO, SEBASTIÃO (Marquis), Distribution of Social Income
POLITI, S. M., Structure of Economic Organisations
REZENDE, JOSÉ IGNACIO BENEVIDES DE, Sociology applied to Economics, Economic Theory
SANTOS, FRANCISCO RÍBEIRO DOS, Social and Private Law Institutions
SCACIOTA, JOSÉ, Finance
SILVA, JOSÉ APARECIDO, Political Economy
STEVENSON, JOÃO PENTEADO E., Civil and Commercial Law Institutions

Faculty of Architecture:
ANDRADE, JOÃO F. P. DE, Analytical Architecture
KOSUTA, FRANCISCO JOSÉ ESTEVES, Stereotomy, Descriptive Geometry
MONTE, ROBERTO FRADE, Reinforced Concrete
ORLANDI, SERAFIM, Topography

Faculty of Law:
ALMEDIA, JOAQUIM CANUTO MENDES DE, Civil Judicial Law
ALMEIDA, JOSÉ BARBOSA DE, Commercial Law
AMERICANO, JORGE, Public International Law
ASHCAR, CAMILLO, History of National Law
BRITO, LUIZ ARAUJO CORREIRA DE, Private International Law
COSTA, PHILOMENO JOAQUIM DA, Commercial Law
FÁVERO, FLAMÍNIO, Forensic Medicine
HELENE, HÉLIO, Administrative Law
LEITE, FERNANDO RUDGE, Civil Law
LOPES, ALFREDO CECÍLIO, Political Economy
MACEDO, GENÉSIO BORGES, General Theory of the State
MELO, JOÃO DE DEUS CARDOSO DE, Penal Judicial Law
NETO, MANUEL AUGUSTO VIEIRA, Civil Law
NORONHA, EDGARD MAGALHÃES, Penal Law
OLIVEIRA, PERCIVAL DE, Civil Judicial Law
REZENDE, JOSÉ IGNÁCIO BENEVIDES DE, Roman Law
SANTOS, FRANCISCO RIBEIRO DOS, Introduction to Law
SANTOS, MOACYR AMARAL, Civil Judicial Law
SCACIOTA, JOSÉ, Finance

UNIVERSIDADE DO MARANHÃO

SÃO LUIS, MARANÃO

Founded 1964

Faculties of Philosophy, Medicine, Economics.

UNIVERSIDADE DE MINAS GERAIS

ESPÍRITO SANTO 1186, BELO HORIZONTE, MINAS GERAIS

Founded 1927.

Rector: A. PIMENTA.
Vice-Rector: LUIZ ADELMO LODI.

Number of teachers: 816.
Number of students: 3,601.

Publications: *Revisty da U.M.G., Boletim, Kriterion, Anuário da Escola de Engenharia, Anuário e Anais da Faculdade de Medicina, Revista da Faculdade de Filosofia, Publicações da Faculdade de Ciências Econômicas.*

DIRECTORS:

Faculty of Economics: Prof. FRANCISCO DE ASSIS CASTRO.
Faculty of Law: Prof. ALBERTO DEODATO.
Faculty of Medicine: Prof. OSCAR VERSIANI CALDEIRA.
Faculty of Odontology and Pharmacy: Prof. HENRIQUE LUIZ LACOMBE.
Faculty of Philosophy: Prof. ANTONIO CAMILLO DE FARIA ALVIM.
School of Architecture: Prof. JOSÉ GERALDO DE FARIA.
School of Engineering: Prof. MARIO WRNECK ALENCAR LIMA.
"Carlos Chagas" School of Nursing: Sister EMILIA CLARIZIA.

PROFESSORS:

Faculty of Economics: 58
Faculty of Law: 34
Faculty of Medicine: 38
Faculty of Odontology and Pharmacy:
Odontology: 18
Pharmacy: 22
Faculty of Philosophy:
Social Sciences: 9
Philosophy: 9
Pedagogy: 11
English-Germanic Literature: 6
Classical Literature: 6
Romance Literature: 9
Grography: 11
History: 9
Physics: 8
Natural History: 8
Mathematics: 5
Chemistry: 7
Didactics: 9
School of Architecture: 36
School of Engineering: 50
"Carlos Chagas" School of Nursing: 54

UNIVERSIDADE CATÓLICA DE MINAS GERAIS

BELO HORIZONTE, MINAS GERAIS

Founded 1959.

Rector: DOM SEFAFIM FERNANDES ARAÚJO.

Number of teachers: 267.
Number of students: 681.
Publication: *Alma Mater.*

DIRECTORS:

Faculty of Law: Prof. ANTONIO A. DE MELO CANCADO.
Faculty of Medicine: Prof. LUCAS M. MACHADO.
"Santa Maria" Faculty of Philosophy, Sciences and Letters: Father ORLANDO O. VILLELA.
School of Social Service of Minas Gerais: Prof. MANOELA LOPES.
"Hugo Werneck" School of Nursing: SOROR STELLA ARTACHO.

PROFESSORS:

Faculty of Law: 19
Faculty of Medicine: 38
Faculty of Philosophy:
Philosophy: 8
Pedagogy: 10
English-Germanic Literature: 2
Classical Literature: 5
Romance Literature: 5
Geography and History: 5
Geography: 5
History: 4
Mathematics: 3
Didactics: 11
School of Social Services: 30

UNIVERSIDADE RURAL DO ESTADO DE MINAS GERAIS (Agricultural University)

VIÇOSA, MINAS GERAIS

Telephone: 24.

Founded 1948.

Rector: E. P. MAGALHÃES.
Secretary-General: Dr. TARCÍSIO GOMIDE.
Librarian: LUIZ MARIA DE MOURA.

Number of teachers: 158.
Number of students: 899.

DIRECTORS:

Higher School of Agriculture: Dr. GERALDO MARTINS CHAVES.

Higher School of Forestry: Dr. ARLINDO DE PAULA GONÇALVES.
Higher School of Domestic Science: MARIA DAS DORES DE CARVALHO FERREIRA.
Extension Service: Dr. GILBERTO PEREIRA DE MELO.

PROFESSORS:

AROEIRA, JUREMA SOARES, General Fruit Growing
BARROS, EDGARD VASCONCELOS, Rural Sociology
BORGES, JOSÉ MARCONDES, Production Technology
BRANDÃO, ERLY DIAS, Rural Accountancy and Administration
BRANDÃO, SILVIO STARLING, Special Agriculture
BRUNE, WALTER, Biochemistry
CAMPOS, JOAQUIM, General Zootechnics
CHAVES, GERALDO MARTINS, Phytopathology
COUTO, FLAVIO AUGUSTO DE ARAUJO, Horticulture
DAKER, ALBERTO, Agricultural Hydraulics
DE ALENCAR, JOSÉ, General Microbiology
DOROFEEFF, ALEXIS, Soil Studies
GOMES, FABIO RIBEIRO, Statistics
GOMES, MAURICIO ROBEIRO, Special Zootechnics
GONÇALVES, ARLINDO DE PAULA, General Silviculture
MAGALHÃES, EDSON POTSCH, Rural Economy
MATTOSO, JOAQUIM, Special Zootechnics
RIBEIRO FILHO, JOSÉ, Special Agriculture
SCHLOTTFELDT, CARLOS SOCIAS, Genetics
SHIMOYA, CHOTARO, General Botany
TORRES, ANNIBAL JOSÉ ALVES, Animal Hygiene and Cleanliness
TORRES, JOSÉ RODOLPHO, General Zootechnics
VANETTI, FREDERICO, Entomology

UNIVERSIDADE MINEIRA DE ARTE

BELO HORIZONTE, MINAS GERAIS

Founded 1964.

UNIVERSIDADE DO PARÁ

AVE. NAZARÉ 61, BELEM-PARÁ

Telephone: 43-72.

Founded 1957.

Rector: Prof. JOSÉ RODRIGUES DA SILVEIRA NETTO.
Central Library Administrator: Dr. CLODOALDO BECKMANN.

Number of teachers: 279, including 119 professors.

Number of students: 1,374.

DIRECTORS:

Faculty of Economics: Prof. ARMANDO DIAS MENDES.
Faculty of Law: Prof. ALOYSIO DA COSTA CHAVES.
Faculty of Medicine: Prof. ALFONSO RODRIGUES FILHO.
Faculty of Odontology: Prof. JOÃO BAPTISTA CORDEIRO DE AZEVEDO.
Faculty of Pharmacy: Prof. ELISIO PARENTE DE ARAUJO.
Faculty of Philosophy, Science and Letters: CONEGO APIO CAMPOS COSTA.
School of Engineering: Prof. JOSUÉ JUSTINIANO FREIRE.

PROFESSORS:

Faculty of Medicine:
AZEVEDO, PAULO CORDEIRO DE, Microbiology and Immunology
BARRETO, ARACY AMAZONENSE, Opthalmology
BORBOREMA, RUY TELLES, Biophysics
BORDALLO, ORLANDO CERDEIRA, Gynæcology
COSTA, ORLANDO RODRIGUES DA, Parasitology
GAMA, GUARACIABA QUARESMA, Surgery
GARCIA FILHO, JOSÉ GUTIERREZ, Clinical Medicine
HERMES, EDUARDO, Pharmacology
KLATUAU, BENEDITO C. MACEDO, Biochemistry
LEITE, JOSÉ MONTEIRO, Pathology
MACEDO, JOSÉ GUILHERME C., Physiology
MALCHER, CELSO C. DA GAMA, Otorhinolaringology
MELO, GERVASIO DE BRITO, Tropical Diseases
PESSÖA, HERMINIO, Surgical Propædeutics
PONTES, FLAVIO DE BRITO, Obstetrics
REBELLO, ALFREDO BARROSO, Legal Medicine
RODRIGUES FILHO, AFFONSO, Clinical Medicine
ROMARIZ, RUY ROMANO SILVA, Anatomy
ROSADO, PEDRO NICOLAU SANTOS, Neurology
SAMPAIO, MARIO MACHADO, Histology and Embryology
SANTOS, ABELÁRDO DOS, Pediatrics
SILVA, DOMINGOS BARBOSA DA, Dermatology
SILVEIRA NETTO, JOSÉ RODRIGUES, Hygiene

Faculty of Pharmacy:
ALBUQUERQUE, CARLOS RAMOS DE, Industrial Pharmaceutical Chemistry
ARAUJO, ALTINO CHAVES DE, Analytical Chemistry
ARAUJO, ELISIO PARENTE DE, Microbiology
BARROS, MARIA RUTH BRITO, Biological and Organic Chemistry
BASTO, AMYNTOR V. DO AMARAL, Hygiene
BATISTA, HERNANI COUTINHO DA SILVA, Chemical Bromatology
CARDOSO, ANIBAL DE FIGUEIREDO, Galenic Pharmacy
DIAS, RAYMUNDO DE MENDONÇA, Zoology and Parasitology
PINTO, AUGUSTO NUMA, Botany
PINTO, PHILOMENA CORDOVIL, Applied Physics
SILVA, ADAREZER COELHO DA, Pharmacognosy
SOUZA, RAUL PONTE, Chemical Pharmacy

Faculty of Odontology:
ALVARO, FRANCISCO GEMAQUE, Buco-Facial Prosthetics
AZEVEDO, JOÃO BAPTISTA CORDEIRO DE, Child Dentistry
AZEVEDO, PAULO CORDEIRO DE, Microbiology
AZEVEDO, RAYMUNDO CORDEIRO DE, Dental Prosthetics
BRAGA, MANOEL DA SILVA, Anatomy
CENTENO, ACACIO MACEDO, Technical Odontology
FIGUEUREDO, ABEL NUNES DE, Metallurgy and Applied Chemistry
FRANCO, JOÃO RENATO, Legal Odontology
LIMA, ELDONOR MAGALHÃES, Surgical Odontology
LOPRS, ADERSON BEZERRA, Physiology
PINGARILHO, JOSÉ MARCELLINO CARDOSO, General and Dental Pathology

Faculty of Law:
BITAR, ORLANDO CHICRE MIGUEL, Constitutional Law
CHAVES, ALOYSIO DA COSTA CHAVES, Political Economy
CHAVES, NETO, ERNESTO, General Theory of State
HENRIQUES, MARIO BRAGA, Commercial Law
KLAUTAU, ALDEBARO CAVALEIRO DE M., Penal Law
LIMA, JOAQUIM PIRES DOS SANTOS, Civil Judiciary Law
MACEDO, JOSÉ ACURCIO ARAUJO DE, Financial Science
MEIRA, CECIL AUGUSTO DE BASTOS, Civil Judiciary Law
MEIRA, CLOVIS OLINTO DE BASTOS, Legal Medicine
MEIRA, OTAVIO AUGUSTO DE BASTOS, Administrative Law
MEIRA, SYLVIO AUGUSTO DE BASTOS, Roman Law
MENDONÇA, OTAVIO, Private International Law
NORÕES E SOUZA, JOAQUIM GOMES, Civil Law
PAIVA, LOURENÇO DO VALE, Commercial Law
PEREIRA, BENEDITO LABAO, Labour Law
PERNAMBUCO FILHO, MIGUEL DE ALMEIDA, Public International Law
SOUZA, DANIEL QUEIMA COELHO DE, Introduction to the Science of Law
SOUZA, HAMILTON FERREIRA DE, Civil Law
SOUZA, JOAQUIM LEMOS GOMES DE, Civil Law
VASCONCELOS, CASSIO ESTANISLAU, Penal Judiciary Law
VIANA, EDGAR AUGUSTO, Penal Law

Faculty of Economics:
ALBUQUERQUE, RAIMUNDO NONATO MORAIS, Administrative Sciences
BORBOREMA, SALVADOR RANGEL DE, Value and Formation of Prices
BRITO, WILTON SANTOS, Distribution of Social Income
DUATRE, CAMILO SILVA MONTENEGRO, Financial Politics
GABBAY, MALUF, Methodical Statistics
LIMA, ANTONIO VIZEU DA COSTA, Economical Geography
LIMA, JOSÉ AQUILES PIRES DOS SANTOS, Principles of Sociology Applied to Economics
MACEDO, JOSÉ ACURCIO CAVALEIRO, Financial Science
MAROJA, STELIO DE MENDONÇA, General and Brazilian Economic History
MARTINS, EMILIO UCHÔA LOPES, Institutions of Public Law
MELO, PEDRO JOSÉ MARTIN DE M., History of Economic Doctrines
MENDES, ARMANDO DIAS, Evolution of Economic Conjuncture
MENEZES, ADRIANO VELOSO DE CASTRO, Structure of Economic Organisations
NAZARÉ, RAMIRO FERNANDES, Political Economy
NOGUEIRIA, FRANCISCO DE LAMARTINE, International Commerce and Exchange
OSAQUI, HENRIQUE, Comparative Study of Economic Systems
OTERO, CONSTANTINEO RIHEIRO, Statistics
PAUL, JOÃO GLUCK, Balance Structure and Analysis
SALGADO, FRANCISCO NUNES, Money and Credit

SOUZA FILHO, ERNESTINO Institutions of Private Law

Faculty of Philosophy, Sciences and Letters:
ATHIAS, JONATHAS PONTES, Physical Geography
BARATA, RUI GUILHERME, Brazilian Literature
BITAR, SIMÃO CHICRE MIGUEL, Human Geography
BONEFF, ALFREDO, General and Applied Statistics
CHAVEZ, MARIA ANUNCIADO RAMOS, History of Brazil
CHAVES, MARIA PAULA RAMOS, History of America
COIMBRA, CARLOS CARDOSO DA CUNHA, History and Philosophy of Education
CONDURU, JOSÉ MARIA HESKETH, General and Experimental Physics
CONDURU, RENATO PINHEIRO, Mathematical Analysis
COSTA, APIO PAES CAMPOS, Philology
COSTA, ORLANDO TEIXEIRA DA, Sociology
CUNHA, JOSÉ MARIA BITTENCOURT, Educational Psychology
FIGUEIREDO, ARTHUR NAPOLEÃO, Brazilian Ethnography and Tupy Language
GOMES, JOSÉ MARIA, Greek Language and Literature
GONÇALVES, REGINA MOREIRA, Brazilian Geography
KALUME, ELIAS GATASSE, Biology
MENDES, FRANCISCO PAULO, Portuguese Literature
MENDONÇA, OTAVIO, Modern History
MOREIRA, Jr., ANTONIO GOMES, Administration and Comparative Education
NUNES, BENEDITO DA COSTA, Philosophy
PEREIRA, ACY DE JESUS, Portuguese Language
PINTO, LEONEL CORRÊA, Psychology
PORTO, EDGAR PINHEIRO, Ancient and Medieval History
SILVA, ANGELITA FERREIRA DA, Educational Statistics
SILVA, ARMANDO BORDALO DA, Anthropology and Ethnography
SILVA, ORLANDO SAMPAIO, General and Special Didactics
SOUZA, DANIEL QUEIMA COELHO DE, History of Philosophy
SOUZA, ROMULO AUGUSTO DE, Latin Language and Literature
SANTOS, ROBERTO ARAUJO OLIVEIRA, Political Economy
TUPIASSU, AMILCAR ALVES, Politics
VIEIRA, FERNANDO MEDEIROS, Geometry
VIERIA, LUCIO SALGADO, Geology and Paleontology

School of Engineering:
ABREU E SOUZA, MILTON DE, Artistical Drawing
ALVES, OMIR CORRÊA, Descriptive Geometry
BAGANHA, LUIZ GONZAGA, Roads and Railroads
BAHIA, LOURIVAL DE OLIVEIRA, Hygiene
BITAR, MIGUEL DE PAULO RODIGUES, Physics
BRITO, RUI DA SILVEIRA, Resistance of Materials
CABRAL, HOMERO, Economical Statistics, Finance
CAMACHO, JOSÉ CHAVES, Applied Mechanics
CARVALHO, AGENOR PENA DE, Harbour Engineering
CHAVES, CLADIO LINS VASCONCELOS, Geology
DUARTE, DJALMA MONTENEGRO, Physics
FORTUNATO, HILDEGARDO BENTES, Bridges, Ferro-concrete
FREIRE, JOSUÉ JUSTINIANO, Rational Mechanics
LIMA, JOAQUIM PIRES DOS SANTOS, Administrative Law
MELO, ARTEMIDORO CABRAL DE, Calculus
NUNES, WALDYR ACATAUASSÚ, Hydraulics
OLIVEIRA, JOSÉ COUTINHO, Analytical Geometry
OLIVEIRA, CAMILO SÁ E SOUZA, Technical Drawing
PAES, JOÃO MARIA DE LIMA, Stability of Constructions
PEREIRA, JARBAS DE CASTRO, Materials of Construction
PEREIRA, RAUL RODRIGUES, Astronomy
PIRES, OCTAVIO BITTENCOURT, Thermodynamics
SEIXAS, FELICIANO CORRÊA, Civil Contruction
SILVA, JOÃO DIAS DA, Topography
SOUZA, RAYMUNDO FELIPE DE, Chemistry

UNIVERSIDADE DA PARAÍBA
RUA DUQUE DE CAXIAS 81,
JOÃO PESSOA, PARAÍBA

Founded 1955.

Rector: Dr. JOÃO TOSCANO GONÇALVES DE MEDEIROS.

Number of teachers: 218.
Number of students: 814.

DIRECTORS:

Faculty of Economics: Dr. CLÁUDIO SANTA CRUZ COSTA.
Faculty of Law: Dr. HÉLIO DE ARAÚJA SOARES.
Faculty of Philosophy: Dr. EMANUEL DE MIRANDA ENRIQUES.
Faculty of Medicine: Prof. HUMBERTO NÓBREGA.
Faculty of Odontology: Dr. PÉRICLES GOUVEIA.
Faculty of Engineering: Gen. JOSÉ DE OLIVEIRA LEITE.
Polytechnic School: Dr. ANTONIO DA SILVA MORAIS.
School of Social Service: Madre MARIA FRANKLIN DE ANDRADE.
School of Nursing: Prof. IRANY MACIEL PONTES.

PROFESSORS:

Faculty of Economics: 20
Faculty of Law: 21
Faculty of Medicine: 32
Faculty of Odontology: 14
Faculty of Philosophy:
Phliosophy: 5
Pedagogy: 8
English-Germanic Literature: 3
Romance Literature: 9
Geography: 4
History: 4
Didactics: 10
School of Engineering: 12
Polytechnic School: 31

UNIVERSIDADE DO PARANÁ
RUA 15 DE NOVEMBRO S/N,
CAIX POSTAL 441,
CURITIBA, PARANÁ

Founded 1912.

Rector: Prof. J. N. DOS SANTOS.
Vice-Rector: Prof. B. PINHEIRO MACHADO.
Secretary: Prof. ANTONIO RAMOS MAY.

Libraries are attached to the School of Engineering and the respective faculties.

Number of teachers: 637.
Number of students: 5,019.

Publications: *Anuário da Universidade, Revista Paniáfrica, Revista Técnica, Revista Logos* and *Boletim da Universidade do Paraná.*

DIRECTORS:

Faculty of Law: Prof. ILDEFONSO MARQUES.
Faculty of Medicine: Prof. ANCHISES MARQUES DE FARIA.
Faculty of Odontology: Prof. LEVY DE BRITO BUQUIRA.
Faculty of Pharmacy: Prof. CARLOS STELLFELD.
Faculty of Philosophy, Science and Letters: Prof. HOMERO DE BARROS.
Faculty of Economics: Prof. ULYSSES DE CAMPOS.
School of Engineering: Prof. RALPH JORGE LEITNER.
School of Chemistry: Dr. NILTON EMILIO BÜHRER.
School of Agriculture and Veterinary Science: Prof. LYCIO GREIN DE CASTRO VELLOZO.
School of Librarianship: Prof. MARIA DE LOURDES TAVARES.

PROFESSORS:

Faculty of Law:
CARTAXO, ERNANI GUARITA, Roman Law
GOMES, OSCAR MARTINS, Private International Law
GRANDE, HUMBERTO, Philosophy of Law
GUIMARÃES, ARY FLORÊNCIO, Civil Judiciary Law
LUZ, NELSON FERREIRA DA, Public International Law
MARQUES, IDLEFONSO, Penal Law
MONIZ DE ARAGÃO, EGAS DIRCEU, Civil Judiciary Law
MOTTA, OMAR GONÇALVES DA, Industrial Law and Labour Legislation
MUNHOZ, LAERTES DE MACEDO, Penal Law
OLIVEIRA FRANCO SOBRINHO, MANOEL DE, Administrative Law
PEREIRA, ALTINO PORTUGAL SOARES, Civil Law
PEREIRA, CARLOS ARAÚJO DE BRITTO, Commercial Law
ROCHA LOURES, JOÃO ALVES DA, Science of Finances
SANTOS, JOSÉ NICOLAU DOS, General Theory of the State
TEIXEIRA, NAPOLEÃO LYRIO, Forensic Medicine
VELLOZO, ATHOS MORAES DE CASTRO, Penal Law
VIEIRA NETTO, JOSÉ RODRIGUES, Civil Law

Faculty of Medicine:
ABREU, MÁRIO BRAGA DE, Clinical Surgery
BRAGA, HOMERO DE MELLO, Clinical Pædiatrics and Child Hygiene
BETTEGA, JOÃO ERNANI, Phthisiology
CARNEIRO, MILTON ERICHSEN, Parasitology
COLLE, AUGUSTO, Pathological Anatomy and Physiology
CÔRTES, ATLÂNTIDO BORBA, Clinical Medicine

Falce de Macedo, Maria, Physiological Chemistry
Faria, Anchises Marques de, General Pathology
Ferreira do Amaral Fo, Victor, Clinical Obstetrics
Guimarães, Alô Ticoulat, Clinical Psychiatry
Matos Barreto, Joaquim de, Histology and General Embryology
Mello, Orlando de Oliveira, Clinical Therapeutics
Moreira, Carlos Estrella, Anatomy
Munhoz, Milton de Macedo, Hygiene
Noronha Miranda, Ruy, Clinical Dermatology and Syphilology
Paula Soares Netto, Francisco, Tropical and Infectious Diseases
Rocha, João Átila, Clinical Urology
Romanó, Dante, Experimental Surgery
Rucker, Heinz, Child Surgery and Orthopædics
Santos, Ântenor Pamphilo dos, Physiology
Schwab, Artur Otto, Biophysics
Silveira, Helleno Azevedo da, Clinical Propædeutics
Silveira, Octávio da, Clinical Neurology
Simas Alves, Ernani, Forensic Medicine
Vianna, João Xavier, Microbiology
Vieira de Alencar, João, Clinical Surgery

Faculty of Odontology:
Bassetti Jo, Francisco, Pathology and Applied Therapeutics
Buquera, Levy de Britto, Clinical Dentistry
Caron, Múcio, Prosthesis
Cavanha, Armando Oscar, Technical Odontology
Kloss Neto, André, Oral and Facial Prosthesis
Matos Barreto, Joaquim de, History and Microbiology
Moreira, Carlos Estrella, Anatomy
Moreira, Júlio Estrella, Clinical Dentistry
Munhoz, Milton de Macedo, Hygiene
Tizzot, João Alves, Orthodontics

Faculty of Pharmacy:
Anjos, Octávio Pereira dos, Galenic Pharmacy
Carneiro, Milton Erichsen, Zoology and Parasitology
Falce de Macedo, Maria, Biological Chemistry
Pereira de Almeida, Mauro, Organic Chemistry
Santos, Ântenor Pamphilo dos, Physiology, Toxicology and Bromatology
Schwab, Artur Otto, Analytical Chemistry
Sigel Fo, Ernesto, Chemical Pharmacy
Stellfeld, Carlos, Pharmacognosy

Faculty of Philosophy, Science and Letters:
Arns, Osvaldo, Greek Language and Literature
Barros, Homero Baptistade, Ancient and Medieval History
Bossman, Reinaldo, German Lanugage and Literature
Braga, Homero de Mello, Biology
Castagnola, Luigi, Italian Language and Literature
Castro, Francisco Alberto de, Organic Chemistry and Bio-chemistry
Castro Engler, João B. de, Latin Language and Literature
De la Cruz Coronado, Guillermo, Spanish Language and Literature
Espirito Santo, Liguarú, History and Philosophy of Education
Fernandes, José Loureiro, Anthropology and Ethnography
Figueiredo, José Carlos de, Geography of Brazil
Franco, Joaquim M. M., Geology, Paleontology
Lacerda Pinto, Manoel, Politics
Linhares, Temistocles, Brazilian Literature
Mader, Algacyr Munhoz, Geometry
Mansur Guérios, Rosário Farani, Brazilian Language
Martins, Wilson, French Language and Literature
Motta, Omar Gonçalves da, Sociology
Moure, Pe. Jesus, Zoology
Munhoz, Laertes de Macedo, Portuguese Literature
Munhoz da Rocha, Gabriel, Psychology
Munhoz da Rocha Netto, Bento, American History
Paula, José Bittencourt de, Comprehensive Mathematics
Pavão, Zélia Milléo, Statistics
Pilotto, Oswaldo, Educational Statistics
Pinheiro Machado, Brasil, Brazilian History
Poeck, João, Physical Chemistry
Ribeiro, Francisco José Gomes, Educational Administration, Comparative Education
Santos, José Nicolau dos, Human Geography
Stellfeld, Carlos, Botany
Weber, Ludwig Johann, Mineralogy and Petrography
Westphalen, Cecília Maria, Modern and Contemporary History
Woiski, Albano, General and Specialized Didactics
Wouk, Miguel, Romance Philogogy

Faculty of Economics:
Almeida, Artur Santos de, Political Economy
Campos, Ulysses de, International Commerce and Exchange
Carneiro, David Antonio da Silva, Applied Economics
Costa, Eloy da Cunha, Political Finance
Fávaro, Faustino, Price Valuations
Lopes, Othelo Werneck, Public Accountancy
Macedo, Alceu Ribeiro de, General Accountancy
Macedo, Oswaldo Pereira de, History of Economics
Mello E. Silva, Ulysses de, Sociological Theory
Moreira, Henrique Estrella, Mathematical Complements
Pereira, Altino Portugal Soares, Currency and Credit
Reichmann, Ernani Corrêa, Structure of Organic Economics
Requião, Rubens, History of Economic Practices
Sampaio, Edgard Chaulbaud, Distribution of National Income

School of Engineering:
Aguiar, Paulo Müller de, Railways
Asinelli, Máximo A., Bridges, Reinforced Concrete
Beckert, A. I., Physics
Beltrão, Alceu Trevisani, Topography
Castro, Francisco Alberto de, Technological Chemistry
Cavallín, José, Descriptive Geometry
Chamecki, Samuel, Stability of Constructions
Claro, Olavo Del, Calculus
Leitner, Raplh Jorge, Construction Materials
Mader, Algacyr Munhoz, Physics
Meister, Rubens, Architecture
Pereira, Orlando Silveira, Free Design
Puppi, Ildefonso Clemente, Hygiene
Souza, Pedro V. P. de, Hydraulics
Zanello, Hipérides, Applied Mechanics

School of Chemistry:
Almeida, Mauro Pereira de, Organic Chemistry
Beckert, Arnaldo Isidoro, Physics
Bigarella, João José, Mineralogy
Bührer, Nilton Emilio, Organic Technology
Carvalho, Durval Eduardo de, Applied Analytical Chemistry
Ceccon, Oswaldo, Inorganic Chemistry
Claro, Olavo Del, Analytical Geometry
Correa, Dirceu, Organic Chemistry
Furtado, Jucundino da Silva, Descriptive Geometry
Leprevost, Alsedo, Analytical Qualitative Chemistry
Lima, Leo da Rocha, Industrial Apparatus
Puppo, Antenor da Silva, Microbiology
Ribas, Janisvaldo de Paula, Inorganic Technology
Romanus, Olavo, Organic Analysis
Salum, Tufi, Industrial Economy
Schiavon, Jocelin Walton, Physical Chemistry
Spitzner, Reinaldo, Analytical Quantitative

School of Agriculture and Veterinary Science: 27 professors
School of Librarianship: 9 professors

UNIVERSIDADE CATÓLICA DO PARANÁ

RUA 15 DE NOVEMBRO, 1,050, 1° ANDAR, C.P. 2293, CURITIBA

Founded 1959.

Rector: Dom Jerónimo Mazzaroto.
Vice-Rector: Frei João Crisóstomo Arns.

Number of teachers: 309.
Number of students: 1,209.

Directors:

Faculty of Economics: Frei João Crisóstomo Arns.
Faculty of Law: Des. Antonio F. Ferreira da Costa.
Faculty of Medicine: Prof. Brasílio de Castro.
Faculty of Philosophy, Science and Letters: Prof. Fernando Correa de Azevedo.
School of Nursing "Madre Marie Leonie": Irmã Luiza Odila Benato.
School of Social Service: Prof. Rosa Sicuro.

Professors:

Faculty of Economics: 30
Faculty of Law: 25
Faculty of Medicine: 49
Faculty of Philosophy:
Social Sciences: 13
Philosophy: 8
Pedagogy: 14
English-Germanic Literature: 8
Classical Literature: 6
Romance Literature: 9
Geography and History: 13

Natural History: 12
Mathematics: 9
Journalism: 17
Didactics: 16
School of Social Service: 16
School of Nursing: 50

UNIVERSIDADE CATÓLICA DE PERNAMBUCO

RUA DO PRINCIPE, 526, RECIFE

Founded 1951.

Rector: Pe. FRANCISCO T. BRAGANCA.

Number of teachers: 49 (School of Engineering).

Number of students: 929.

Publications: *Boletim Universitario da U.C., Symposium.*

DIRECTORS:

Faculty of Economics: ALUÍSIO M. CARVALHO.
Faculty of Philosophy, Science and Letters: JOSÉ TORRES COSTA.
School of Engineering: JOSÉ TORRES PIRES.

UNIVERSIDADE RURAL DE PERNAMBUCO

PEDRA MOLE, DOIS IRMÃOS, RECIFE

Founded 1954.

Rector: Prof. M. R. FILHO.

Number of teachers: 109.

Number of students: 331.

DIRECTORS:

School of Agriculture: Prof. MARIO BEZERRA DE CARVALHO (52 professors).
School of Veterinary Science: Prof. HUMBERTO VERNET (42 professors).

UNIVERSIDADE CATÓLICA DE PETRÓPOLIS

AV. BARÃO DO AMAZONAS 124, PETRÓPOLIS

Faculties of Law, Philosophy, Science and Letters.

UNIVERSIDADE DO RECIFE

RUA DO HOSPÍCIO, 619, RECIFE, PERNAMBUCO

Founded 1946.

Rector: Dr. JOÃO ALFREDO GONÇALVES DA COSTA LIMA.

Number of teachers: 524.

Number of students: 3,175.

Publications: *Anais da Faculdade de Medicina, Anais da Sociedade de Biologia, Monográfias da Faculdade de Filosofia, Revista Académica da Faculdade de Direito.*

The University has a Central Library Service, Rua do Hospício 619, Recife, and specialised libraries attached to the faculties, schools and institutes.

DIRECTORS:

Faculty of Law: Prof. JOSÉ SORIANO DE SOUSA NETO.
School of Engineering, Pernambuco: Prof. AURINO JOSÉ DUARTE.
Faculty of Medicine: Prof. ANTONIO SIMÃO DOS SANTOS FIGUEIRA.
Faculty of Odontology: Prof. ROMILDO TÔRRES E SILVA.
Faculty of Economics: Prof. JOÃO DUARTE DIAS.
Faculty of Philosophy, Recife: Madre MARIA DA CONCEIÇAO MACHADO.
Faculty of Philosophy, Pernambuco: Prof. NILO DE OLIVEIRA PEREIRA.
School of Chemistry, Pernambuco: Prof. ALBERTO MARTINS MOREIRA.
School of Fine Arts, Pernambuco: Prof. JOÃO ALFREDO GONÇALVES DA COSTA LIMA.
School of Librarianship: Prof. CORDELIA ROBALINDO CAVALCANTI.

PROFESSORS:

Faculty of Economics: 7
Faculty of Law: 27
Faculty of Medicine: 42
Faculty of Philosophy (Pernambuco):
Social Sciences: 8
Philosophy: 9
Pedagogy: 5
English -Germanic Literature: 3
Classical Literature: 4
Romance Literature: 9
Geography: 6
History: 7
Natural History: 5
Mathematics: 4
Didactics: 12
Faculty of Philosophy (Recife):
Social Sciences: 8
Philosphy: 8
Pedagogy: 14
English-Germanic Literature: 5
Romance Literature: 11
Geography and History: 9
Natural History: 10
Didactics: 11
Faculty of Architecture: 23
Faculty of Odontology: 15
School of Chemistry: 22
School of Fine Arts: 27
School of Librarianship: 5

UNIVERSIDADE FEDERAL DO ESTADO DO RIO DE JANEIRO

RUA MARECHAL DEODORO, NITERÓI, STATE OF RIO DE JANEIRO

Founded 1961.

Rector: D. D. DE ARAUJO.

Faculties of Economics, Law, Pharmacy, Philosophy and Medicine.

PONTIFÍCIA UNIVERSIDADE CATÓLICA DO RIO DE JANEIRO

RUA MARQUÊS DE SÃO VICENTE, 209, RIO DE JANEIRO, GUANABARA STATE

Telephone: 272388

Founded 1940

Grand Chancellor: His Eminence THE CARDINAL ARCHBISHOP OF RIO DE JANEIRO.
Rector: R.P.L. DIAS DE MOURA, S.J.
Vice-Rector: R.F. LAERCIO DIAS DE MOURA, S.J.
Librarian: JOSÉ DINKO MAVAK, S.J.

Library: 42,000 volumes.

Number of teachers: 41●.

Number of students: 1,349.

Publications: *Verbum* (quarterly), *Anuario, Coleçao Servir* (Social Sciences Services), *Boletim da P.U.C.* (quarterly).

DIRECTORS:

Faculty of Philosophy: Prof. PAULO CESAR M. DA SILVA.
Faculty of Law: Dr. LUIZ AUGUSTO DE REGO MONTEIRO.
School of Social Service: Prof. ARACY CARDOSO.
Polytechnic School: Dr. CARLOS ALBERTO DEL CASTILLO.

PROFESSORS:

Faculty of Philosophy:
Social Sciences:
CERRUTI, PE. PEDRO, Religion
DACCORSO NETTO, CESAR, Mathematics
DIEGUES JÚNIOR, MANUEL, Ethnography
HORTA NOVAES, PAULO AFFONSO, History of Economic Doctrines
LEAL, HILDEBRANDO, Sociology
LEME LOPES, PE. FRANCISCO, Philosophy
MARTINS MOREIRA, THIERS, Politics
NUNES GUIMARÃES, JOSÉ, Political Economy
PEREIRA DE ALMEIDA, PE. FELIX, Ethics
PIQUET CARNEIRO, AMÉRICO, Anthropology and Ethnography
SODRÉ VIVEIROS CASTRO, LAURO, General and Applied Statistics

Philosophy:
AZEVEDO RIBEIRO, GUILHERME DE, History of Philosophy
BASTOS DE AVILA, PE. FERNANDO, Sociology
CERRUTI, PE. PEDRO, Religion
LEITE PENIDO, PE. MAURILIO T., Psychology
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
PEREIRA DE ALMEIDA, PE. FELIX, Ethics
TAUZIN, FREI SEBASTIÃO, Logic

Pedagogy:
ACCIOLY DE SA, PAULO, Statistical Education
BARRETO FILHO, JOSÉ, Educational Psychology
BASTOS DE AVILA, PE. FERNANDO, Sociology
CERRUTI, PE. PEDRO, Religion
DACCORSO NETTO, CESAR, Mathematics
GUERRA, LEOPOLDINO VICENTE, Biological Education
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
MEIRELES PADILHA, TARCISIO, History of Philosophy
MIRANDO SANTOS, THEOBALDO, History of the Philosophy of Education
MOREIRA LELLIS, RAUL, Administrative and Comparative Education
PARGA NINA, MARIA LUCIA, History of Education

English-Germanic Literature:
ALONSO, HELIO, Portuguese Language
AMOROSO LIMA, ALCEU DE, Brazilian Literature
CERRUTI, PE. PEDRO, Religion
DAMIÃO BERGE, FREI, Latin Literature and Language
ELIA, SILVIO EDMUNDO, Brazilian Literature
HAUER, WILFRID, German Language
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
MACHADO DA SILVA, PAULO CESAR, English and American Language and Literature

MANSUETO KOHNEN, FREI, German Literature
MULLER, GERMANO, Latin Language
RENAULT, ABGAR, English Language and Literature
SILVEIRA, TASSOQ DA, Portuguese Literature
VALENTE DO COUTO TELLES, LYGIA, English Literature

Classical Literature:
ALONSO, HELIO, Portuguese Language
AMOROSO LIMA, ALCEU DE, Brazilian Literature
CERRUTI, PE. PEDRO, Religion
DAMIÃO BERGE, FREI, Latin Language and Literature
ELIA, SILVIO EDMUNDO, Brazilian Literature
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
MAGNE, PE. AUGUSTO, Greek Language and Literature
MULLER, GERMANO, Latin Language
PEREIRA DE ALMEIDA, PE. FELIX, Greek Language
SILVA NETTO, SERAFIM DA, Romance Philology
SILVEIRA, TASSO DA, Portuguese Literature

Romance Literature:
ALONSO, HELIO, Portuguese Language
ALVES DE SOUZA, ISAURA, French Language
ALVIM CORREA, ROBERTO, French Language and Literature
AMOROSO LIMA, ALCEU DE, Brazilian Literature
BERGE, FREI DAMIÃO, Latin Language and Literature
CAMARINHA DA SILVA, Hispanic-American Literature
CERRUTI, PE. PEDRO, Religion
ELIA, SILVIO EDMUNDO, Brazilian Literature
IGLESIAS, EUGENIO, Spanish Language and Literature
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
MULLER, GERMANO, Latin Language
SILVA NETTO, SERAFIM DA, Romance Philology
SILVEIRA, TASSO DA, Portuguese Literature
SPINELLI, VICENTE, Italian Language and Literature

Geography:
BRAGA VIEIRA DA FONSECA, JAMES, Human Geography
CERRUTI, PE. PEDRO, Religion
DIEGUES JÚNIOR, MANUEL, General and Brazian Ethnography
FROES DAY ABREU, SILVIO, Brazilian Geography
LACOMBE, AMERICO JACOBINA, History of Brazil
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
O'REILLY STERNBERG, HILGARD, Physical Geography
PIQUET CARNEIRO, AMERICO, Anthropology and Ethnography

History:
BRAGA VIEIRA DA FONSECA, JAMES Human Geography
CERRUTI, PE. PEDRO, Religion
DIEGUES JÚNIOR, MANUEL, General and Brazilian Ethnography
FROES DE ABREU, SILVIO, Brazilian Geography
LACOMBE, AMERICO JACOBINA, Brazilian History
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
LUIZ VIANNA, EREMILDO, Ancient and Medieval History
PIQUET CARNEIRO, AMERICO, Anthropology and Ethnography
PIRAGIBE DA FONSECA, ROBERTO, Modern History
SILVEIRA, FREI IDLEFONSO, Church History
VIANNA, HELIO, American History

Mathematics:
CERRUTI, PE. PEDRO, Religion
FARIA BELLO Jr., MARIO DE, Geometry
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
MAGNO DA SILVA, ATILA, Physics
MARIA, ORLANDO DE, Celestial Mechanics and Mathematical Physics
NÓGUEIRA, RIO, Analytical Mathematics
SERRA COSTA, JOSÉ DE JESUS, Rational Mechanics

Journalism:
ALMADA HORTA PORTO, RUBENS D', Administration
CERRUTI, PE. PEDRO, Religion
CHAVES, DE MELLO, GLADSTONE, Portuguese
ESTELLITA, ROSAURO, English Language
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
MANSUETO KOHNEN, FREI, History of Art
MOREIRA IPANEMA, MARCELO, History and Legislation of the Press
PEREIRA, EVALDO SIMAS, Techniques of Journalism
PEREIRA DA SILVA, FIRMO, Juridical Institutions
PINHO DE ALMEIDA, FERNANDO MIGUEL, Brazilian History
REGO LIMA, RAUL DO, Ethics
SILVEIRA, TASSO DA, Contemporary Literature
TUDE DE SOUZA, FERNANDO, Radio Journalism
VASCONCELLOS, MANOEL MARIA DE, Publicity

Didactics:
BRAGA VÍEIRA DA FONSECA, JAMES, Special Didactics of Geography and History
BARRETO FILHO, JOSÉ, Psychological Education
CERRUTI, PE. PEDRO, Religion
ELIA, SILVIO EDMUNDO, Portuguese
FONTES PEIXOTO, ROBERTO JOSÉ, Special Didactics of Mathematics
GUERRA, LEOPOLDINO VICENTE, Biological Education
LEAL, HILDEBRANDO, Sociological Education
LELLIS, RAUL MOREIRA, Administration and Comparative Education
LEME LOPES, PE. FRANCISCO, Introduction to Philosophy
MACHADO DA SILVA, PAULO CESAR, Special Didactics of Anglo-Germanic Letters
PESSOA CAMARA, D. HELDER, General and Special Didactics
SOBRINO POROTO, LEONIDAS, Special Didactics of Romance Letters

Faculty of Law:
ALBUQUERQUE MELLO, LINNEU DE, International Public Law
BARRETO CAMPELO, FRANCISCO, Penal Law
CHARMONT DE MIRANDA, VICENTE, Judicial Civil Law
COSTA CARVALHO, LUIZ ANTONIO DA, Judicial Civil Law
FERREIRA DE SOUZA, JOSÉ, Commercial Law
FONTOURA SOBRAL PINTO, HERACLITO, Penal Law
GALLOTTI, ANTONIO, General Theory of State
LACERDA NOGUEIRA, HAMILTON DE, Forensic Medicine
LEME LOPES, PE. FRANCISCO, Juridicial Deontology
MADUREIRA PINHO, DEMOSTHENES, Juridicial Penal Law
MOREIRA, THEIRS MARTIN, Administrative Law
MONIZ DE BITTENCOURT, PEDRO C., Constitutional Law
NONATO DA SILVA, OROZIMBO, Civil Law
REGO MONTEIRO, LUIZ AUGUSTO DE, Industrial and Labour Law
RODRIGUES SILVA, ROMEU, Political Economy
SA FILHO, FRANCISCO, Financial Science
SABOIA LIMA, AUGUSTO, Civil Law
SAN TIAGO DANTAS, FRANCISCO C. DE, Roman Law
SERAPIAO DE CARVALHO, DANIEL, Civil Law
SILVA, O.A., PE. EMILIO, Religion
TEIXEIRA VALLADAO, HAROLDO, International Private Law
VIEIRA COELHO, JOSÉ, Philosophy of Law
ZBROZEK, JERSY, Introduction to Science of Law

Polytechnic School: 76 professors

UNIVERSIDADE DO RIO GRANDE DO NORTE

AV. HERMES DA FONSÊCA, 780,
NATAL, RIO GRANDE DO NORTE
Telephone: 20-26, 22-80, 23-08.

Founded 1958.

Rector: Prof. ONOFRE LOPES DA SILVA.
Secretary: YOLANDA DANTAS.
Librarian: ZILA DA COSTA MAMEDE.

Number of teachers: 138.
Number of students: 1,880.
Publication: *Boletim Universitario.*

DIRECTORS:

Faculty of Law: Prof. OTTO DE BRITO GUERRA.
Faculty of Medicine: Prof. Dr. JOÃO DA COSTA MACHADO.
Faculty of Pharmacy: Prof. Dr. GENÁRIO ALVES FONSÊCA.
Faculty of Odontology: Prof. ANTÓNIO PÍPOLO.
Faculty of Philosophy: Prof. FRANCISCO PEREIRA CHAGAS.
School of Engineering: Prof. Dr. JOSÉ HENRIQUES BITTENCOURT.
School of Social Service: Prof. MARIA DE LOURDES MIRANDA.

PROFESSORS:

Faculty of Law: 22
Faculty of Medicine: 10
Faculty of Pharmacy and Odontology: 14
Faculty of Philosophy:
Romance Literature: 9
Geography: 7
History: 5
School of Social Sciences: 27

UNIVERSIDADE DO RIO GRANDE DO SUL

AVENIDA JOÃO PESSOA,
PORTO ALEGRE,
RIO GRANDE DO SUL

Founded 1936.

Rector: Prof. J. C. FONSECA MILANO.

Vice-Rector: Prof. PERY PINTO DINIZ DA SILVA.
Secretary-General: NELSON BORBÁ DOS SANTOS.

Number of teachers: 1,015.
Number of students: 4,250.
Libraries attached to the:
School of Engineering: f. 1896; 10,400 vols.
Law Faculty: f. 1906; 17,000 vols.
Medical Faculty: f. 1898; 20,000 vols.
Faculty of Philosophy: f. 1942; 22,700 vols.
Faculty of Economics: f. 1909; 9,200 vols.
School of Agriculture and Veterinary Medicine: f. 1910; 6,300 vols.
Law Faculty (Pelotas): 4,600 vols.
Faculty of Architecture: 4,430 vols.

Publications: *Boletim Informativo do Centro de Estudos e Pesquisas Econó-micas, Boletim Universitário, Anuária.*

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Faculty of Economics: Dr. PERY PINTO DINIZ DA SILVA.
Faculty of Philosophy: Prof. LUIZ PILLA.
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Faculty of Odontology: Prof. Dr. OTHON SANTOS E SILVA.
Faculty of Pharmacy: Prof. GERMANO ROMAN ROS.
School of Engineering: Prof. Dr. LUIZ LESEIGNEUR DE FARIA.
School of Agriculture and Veterinary Medicine: Prof. OUTUBRINO CORRÊA.
School of Geology: Prof. IRAJÁ DAMIANI PINTO.
School of Librarianship: Prof. ZENAIRA GARCIA MARQUEZ.
School of Nursing: Prof. CELINA MENDES DA CUNHA.
Faculty of Odontology, Pelotas: Prof. ERY SCHRAMM.
Faculty of Law, Pelotas: Prof. Dr. BRUNO DE MEDONÇA LIMA.
Faculty of Pharmacy, Santa Maria: Prof. JOSÉ MARIANO DA ROCHA FILHO.
Faculty of Medicine, Santa Maria: Prof. JOSÉ MARIANO DA ROCHA FILHO.

PROFESSORS:

Faculty of Law:
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DA ROCHA, ELOY JOSÉ, Labour Legislation
DA ROCHA, FRANCISCO DE PAULO B., Constitutional Law
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ESTRELLA, HERNANI, Commercial Law
FERREIRA PAES, ELPÍDIO, Roman Law
LEITÃO DE ABREU, JOÃO, Introduction to the Science of Law
OLIVEIRA FREITAS, AMADEU F. DE, Public International Law
PAPAI EO, CELSO CESAR, Legal Medicine
PEREIRA DE AZAMBUJA, DARCY, State Laws, Constitutional Law
PEREIRA CORRÊA DA CAMARA, ARMANDO, Philosophy of Law
PILLA RIBEIRO, ELMO, Private International Law
SÁ, MEM DE, Political Economy
SALGADO MARTINS, JOÃO, Penal Law
SCHNEIDER, EDGAR LUIZ, Finance
SIMCH FRANCISCO J., Jr., Penal Judiciary Law
VELLINHO DE LACERDA, GALENO, Civil Judiciary Law

Faculty of Economics:
ALMEIDA, MANOEL LUZARDO DE, Evolution of Economic Cycles
BABOT MIRANDA, JORGE, Value and Formation of Prices
BUAES, NAGIPE, Tax Laws, Finance
CAMPOS, SEBASTIÃO GOMEZ DE, Company Finances
CASTRO, EUCLIDES HENRIQUE DE, Political Economy
CORREA, ACÉLIO, Social Law, Funds
CORTESE, VIRGÍLIO, Organisation, Accountancy, Banking, Finance, Credit
DA ROCHA, CIBILIS VIANNA, General Accountancy
DA SILVA, PERY PINTO DINIZ, Institutions of Civil and Commercial Law
DESJARDINS, HENRIQUE, Organisation, Accountancy, Insurance
DIEHL, WALTER JOSÉ, Elements of Finance, Tributary and Fiscal Legislation
FAY DE AZEVEDO, ARMANDO, Public Law
FILCHTINER, MAURICIO, Demographic and Economic Statistics
FIORI DRUCK, CLIO, Commercial Law
FLECK, ERNANI, Analytical and Advanced Mathematics
GOMES DE CAMPOS, SEBASTIÃO, Economic Organisations
HERVÉ, ABIO, Administration
KOPF, HILDO, Organisation, General, Industrial and Agricultural Accountancy
LEITA, MANOEL MARQUES, Distribution of Income
MACHADO CARRION, FRANCISCO, Economics
MACHADO ROSA, HELIO, Eeonomic Geography
MORAES, EUCLIDES, Financial Mathematics
ORNSTEIN, ERNESTO, Actuarial Mathematics
PEREIRA, ARMANDO T., Political Economy
PINTO DINIZ, PERY, Private Law
RAMOS, AUREO, Accountancy
RAVANELLO, HOLY, Public Accountancy
STEINBRUCK, ALFREDO, Complements of Mathematics
TAUFER, LIVIO, Structure and Analysis of Equilibria
TEIXEIRA DE MEDEIROS, LAUDELINO, Comparative Study of Economic Systems
TRUDA PALAZZO, JOSÉ, International Commerce and Exchange
WILTGEN, EDGAR, Statistics, Demography, Mathematics

Faculty of Philosophy:
Social Sciences:
COSTA, RENATO, Economics
BALDUINO RAMBO, PE., Anthropology, Ethnography
MARIA FIORI, ERNANI, Philosophy
MEDEIROS, LAUDELINO T. DE, Sociology
OLIVEIRA, CAYOBY VIEIRA DE, Complements of Mathematics
PEREIRA DA CÂMARA, ARMANDO, History of Philosophy
PEREIRA DE AZAMBUJA, DARCY, Politics
SANTOS, LIGIA M. DOS, General and Applied Statistics

Philosophy:
CIBILS, LUIZ ALBERTO, Sociology
MACIEL, NILO ANTUNES, Psychology
MARIA FIORI, ERNANI, Philosophy
PEREIRA DA CÂMARA, ARMANDO, History of Philosophy

Pedagogics:
AMARAL, ANNA IRIS DO, Educational Psychology
CAMPOS, JOSÉ GOMES DE, School Administration
CIBILS, LUIZ ALBERTO, Sociology
MAGALHÃES, ALVARO, History and Philosophy of Education
OLIVEIRA, CAYOBY VIEIRA DE, Complements of Mathematics
PAIM, MARIA I. DE M., Complements of Mathematics
PEREIRA DA CÂMARA, ARMANDO, History of Philosophy
PETRUCCI, SALVADOR, Educational Statistics
SANTOS, LIGIA M. DOS, General and Applied Statistics
SILVA, OSCAR MACHADO DA, Psychology

English-Germanic Literature:
BEM VEIGA, ALBINO DE, Portuguese Literature
GROSSER, FERNANDO, English Language and Literature
PAES, ELPIDIO FERREIRA, Latin Language and Literature
SILVA, SYLVIO RAMOS DA, North American Literature
TOCHTROP, LEONARDO, German Language and Literature

Classical Literature:
BEM VEIGA, ALBINO DE, Portuguese Literature
BUNSE, HEINRICH A. W., Romance Philology
PAES, ELPIDIO FERREIRA, Latin Language and Literature
PALEIKAT, JORGE, Greek Language and Literature
PAULA C. GOMES, FRANCISCO DE, Portuguese Literature
SILVA, GUILHERMINO CESAR DA, Brazilian Literature

Romance Literature:
BACK, JAYME, French Language and Literature
BEM VEIGA, ALBINO DE, Portuguese Literature
FERREIRA, JOÃO FRANCISCO, Hispanic American Literature
LODEIRO, JOSÉ, Spanish Language and Literature
PAES, ELPIDIO FERREIRA, Latin Language and Literature
PAULA C. GOMES, FRANCISCO DE, Portuguese Literature
RICCI, ANGELO, Italian Language and Literature
SILVA, GUILHERMINO CESAR DE, Brazilian Literature

Geography:
BALDUINO RAMBO, PE., Anthropology and Ethnography
BINA MACHADO, MARIA DE A., Geography of Brazil
DAMIANI PINTO, IRAJÁ, Geology and Palæontology
MACHADO CARRION, FRANCISCO, Modern and Contemporary History
MÁRIO PRUNES, LOURENÇO, Human Geography
PARANHOS DE ARAUJO, JOSÉ LUIZ, Physical Geography

History:
BALDUINO RAMBO, PE., Anthropology and Ethnography
LAURENT, OTHELO S., History of Antiquity and the Middle Ages
LAYTANO, DANTE DE, History of Brazil
MACHADO CARRION, FRANCISCO, Modern and Contemporary History
MÁRIO PRUNES, LOURENÇO, Human Geography
SILVA SCHMITT, DORIVAL DA, History of America

Physics:
DILLENBURG, DARCY, General and Experimental Physics
JACOB, GERHARD, Theoretical and Higher Physics
RODRIGUES, ANTONIO, Geometry
SEVERO MOTTA, LUIZ, Rational Mechanics, Celestial Mechanics, Mathematical Physics
TIETBÖHL, ARY NUNES, Mathematical Analysis, Higher Analysis

Natural History:
AZAMBUJA, JOSÉ R. A. DE, Jr., Mineralogy and Petrography
DAMIANI PINTO, IRAJÁ, Geology and Palæontology
FELIZARDO, JORGE GODOFREDO, Zoology
MUCCILLO, ROMEU, General Biology
SCHULTZ, ALARICH RUDOLF HOLGER, Botany

Mathematics:
DICK, TUISKON, Organic Chemistry, Biochemistry
GEISEL, BERNARDO, General, Inorganic and Analytical Chemistry
OLIVEIRA, CAYOBY VIEIRA DE, Complements of Mathematics
PILLA, LUIZ, Chemical Physics, Higher Chemistry

Journalism:
BEM VEIGA, ALBINO DE, Portuguese Language
BINA MACHADO, MARIA DE A., Geography of Brazil
BRUNO, SALVADOR, Periodicals
CORRÊA, ERNESTO, Newspapers
COSTA, RENATO, Economics
DUNCAN, SYLVIO WALLACE, Newspaper Administration and Publicity
LAYTANO, DANTE DE, History of Brazil
LAURENT, OTHELO S., History of Antiquity and the Middle Ages
MACHADO CARRION, FRANCISCO, Modern and Contemporary History
MÁRIO PRUNES, LAURENÇO, Human Geography
MEDEIROS, LAUDELINO T. DE, Sociology
PEREIRA DE AZAMBUJA, DARCY, Politics
ROCHA, GERALDO OTAVIO, Ethics, History and Legislation of the Press
RUSCHEL, NILO MIRANDO, Radio Journalism

Didactics:
AMARAL, ANNA IRIS DO, Educational Psychology
CAMPOS, JOSÉ GOMES DE, School Administration and Comparative Education
PASHECO, GRACIEMA, General and Special Didactics
PETRUCCI, SALVADOR, Educational Statistics
SILVA, OSCAR MACHADO DA, Psychology

Faculty of Medicine:
ALMEIDA MARTINS COSTA, DECIO DE, Pædiatrics and Child Hygiene
AVILA, CESAR, Orthopædics
BOPP, CLOVIS, Dermatology and Syphilology
BORGES, FORTES, ARÍ, Neurology
CASTILHO, WALTER HUGO, General Pathology
CASTILHOS M. PEREIRA, FRANCISCO DE, Histology and General Embryology
CORREA MEYER, IVO, Ophthalmology
CUTIN, MOISES, Oto-Rhino-Laryngology
DI PRIMIO, RAÚL, Parasitology
DICK, TUISKON, Physiological Chemistry
DOMINGUES CARNEIRO, JOSÉ FERNANDO, Phthisiology
FARACO, EDUARDO ZACARO, Therapeutics
FERREIRA, ALVARO B., Clinical Medicine
FISCHER, JOÃO CAHEN, Operative Technique and Experimental Surgery
FONSECA MILANO, JOSÉ CARLOS, Anatomy
FREITAS, OTHON, Obstetrics
GOMES, FRADIQUE CORRÊA, Gynæcology
GONÇALVES, MANOEL L., Pharmacology
LOUZADA, ANTONIO PEYROUTON, Tropical Infectious Diseases
MACIEL, RUBENS, Clinical Medicine
MARIANTE, TOMAZ L., Clinical Medicine
MARTINS JOB, JOSÉ, Clinical Medicine
MAURELL MOREIRA, PAULO, Hygiene
MEDEIROS, HELIO LOPES, Biophysics
MONTEIRO, JACÍ, Clinical Surgery
OLIVEIRA E SILVA, JOSÉ HILARIO DE, Clinical Surgery
PAGLIOLO, ELYSEV, Surgical Propædeutics
PASTOUS FREITAS, ANTONIO SAINT, Clinical Medicine
PEREIRA, OSCAR BELMIRO MANOEL MAY, Microbiology
PILLA, RAÚL, Physiology
PRUNES, CELESTINO, Forensic Medicine
SARMENTO BARATA, LUIZ SOARES, Urology
SOUZA, DÉCIO S., Psychiatry
TIBIRICA, PAULO Q. T., Pathological Anatomy

Faculty of Odontology:
BRANDÃO, GASPAR DE CARVALHO SOARES Buco-facial Prosthesis
CHAHÉR, JOSÉ, Pathology and Applied Therapeutics
EBLING, HARDY, Histology
FONSECA MILANO, JOSÉ CARLOS, Anatomy
FONSECA MILANO, NICOLAU, Clinical Odontology
GUIMARÃES, LUIZ CARLOS, Clinical Odontology
MELLO, ANTONIO VERÍSSIMO DE, Odontology, Odontopædiatrics
PEREIRA LOURO FILHO, PAULO, Microbiology
PILLA RAUL, Physiology
PRUNES, CELESTINO MOURA, Hygiene and Legal Odontology
ROSAT, ANTONIO, Dental Prosthesis
SANTOS E SILVA, OTHON DOS, Odontological Technique
SOUZA, JOÃO BENEDICTO DE, Dental Prosthesis
SUFFERT, LÉO WERNER, Metallurgy and Applied Chemistry

Faculty of Pharmacy:
CHAGAS DE SOUZA, FRANCISCO CARLOS, Microbiology
MOREIRA, PAULO MAURELL, Hygiene and Pharmaceutical Legislation
OLIVEIRA, HENRIQUE, Toxological and Bromatological Chemistry
PAULA CALLEYA, FRANCISCO DE, Galenic Pharmacy
PRIMIO, RAUL FRANCO DI, Zoology, Parasitology
RIBEIRO DANTAS, RUBEM GREEN, Biological Chemistry
RIBEIRO FILHO, JOAQUIM, Organic Chemistry
ROCHA, JOSÉ VIANNA, Chemical Pharmacy
ROS, GERMANO ROMAN, Analytical Chemistry
SCHMITT SAINT'ANNA, BELKIS MARIA, Pharmacology
SIECZLOWSKI, FLÁVIO, Physics Applied to Pharmacy
SILVEIRA NETTO FILHO, ALFREDO, Botany Applied to Pharmacy
VASCONCELLOS, ENNIO MONIZ, Industrial Pharmaceutical Chemistry

School of Engineering: 55 professors
School of Nursing: 42 professors
School of Agronomy and Veterinary: 21 professors

Faculty of Architecture:
ALBUQUERQUE GRAEFF, EDGAR DE, Architectural Theory
AZEVEDO MOURA, FERNADO DE, Structural Systems
CARVALHO, ADALBERTO RODRIGUES DE, Sanitation, Public Utilities
CARVALHO SCHMITT, CARLOS DE, Graphic Statics
CASTILHOS, JULIO RIBEIRO DE, Modelling
CAUDURO, RICARDO, Applied Physics
CORRÊA, ERNANI DIAS, Analytical Architecture
EICHENBERG, URANO, Domestic Hygiene
ESPARTEL, LÉLIS, Construction Techniques, Topography
FARIA, LUIZ LESEIGNEUR DE, Mathematics
GNOCHI, ANGELO GUIDO, History of Art
GONZALES BLANCO, DIEGO, Construction Materials
GRUNDIG, FREDERICO WERNER HUGO, Construction Stability
LUBKE, MAX WALDEMAR, Municipal Administration
LUNARDI, FERNANDO PETERSEN, Design
MARTINS DA ROSA, ALEXANDRE, Political Economy
MÜLLER, FREDRICO MICHEL, Artistic Composition
PAIVA, EDWALDO PEREIRA, Urban Studies, Landscape Architecture
PAIVA, LEOVEGILDO, Work Organisation
PELLEGRINI, SERGIO HELIO, Large-scale Architecture
PIANCA, JOÃO BAPTISTA, Brazilian Architecture
RIBEIRO, DEMÉTRIO, Architectural Composition
RIPOLL, EMILIO MABILDE, Stereotomy
TIETBÖHL, ARY NUÑES, Higher Mathematics
WOLFF, IVO, Concrete

PONTIFÍCIA UNIVERSIDADE CATÓLICA DO RIO GRANDE DO SUL

PRACA D. SEBASTIÃO 2,
PORTO ALEGRE

Telephone: 9-28-96.

Founded 1948.

Rector: C. I. J. OTAO.
Registrar: Ir. ELVO CLEMENTE.
Librarian: Ir. DIONISIO FUERTES ALVAREZ.

Number of teachers: 312.
Number of students: 2,950.

DIRECTORS:

Faculty of Economics and Political Sciences: Dr. ANTONIO CÉSAR ALVES.
Faculty of Law: Dr. BALTAZAR GAMA BARBOSA.
Faculty of Philosophy: Prof. Ir. FAUSTINO JOÃO.

Faculty of Odontology: Prof. DANIEL JUCKOWSKI.
Faculty of Engineering: Prof. ALVARO LEÃO DE CARVALHO DA SILVA.
Catholic Faculty of Philosophy (Pelotas): Prof. P. JOÃO ZATERA.
Faculty of Philosophy (Santa Maria): Madre CONSUELO.
Faculty of Philosophy (Passo Fundo): P. ALCIDES GUARESCHI.
Faculty of Philosophy (Ijuí): FREI MATIAS.
Faculty of Philosophy (M. Champagnai): Prof. JOÃO BATISTA CAMILOTTA.
School of Social Service: Prof. LUCIA GAVELLO CASTILLO.
Institute of Psychology: Prof. HUGO DANILO.
Institute of Sociology: Prof. JOSÉ DANTON DE OLIVEIRA.

PROFESSORS:

Faculty of Political and Economical Science: 46
Faculty of Law: 26
Faculty of Philosophy:
Social Science: 8
Philosophy: 13
Pedagogy: 8
English-Germanic Literature: 12
Classical Literature: 10
Romance Literature: 12
Geography and History: 25
Mathematics: 10
Chemistry: 6
Journalism: 10
Didactics: 6
Faculty of Odontology: 45
School of Social Service: 29
School of Engineering: 42

UNIVERSIDADE RURAL DO BRASIL (Agricultural University)

KM. 47 RODOVIA RIO-SAO PAULO, ITAGUAÍ, RIO DE JANEIRO

Founded 1944.

Rector: Prof. P. DACORSO FILHO.
Secretary: Dr. F. S. DOS S. OLIVEIRA.
Registrar: Dr. H. A. BARREIRA.
Head of Administration: J. M. FONTES.
Librarian: M. CASTRO.

Library: 35,942 volumes.
Number of teachers: 138.
Number of students: 1,000.

DIRECTORS:

National School of Agriculture: Prof. A. A. ROCHA.
National School of Veterinary Science: Prof. J. VOGEL.
Specialised Extension Courses: Prof. A. F. DE CASTRO.
School of Technical Education: Dr. K. R. MATTHIAS.
School of Home Economics: Prof. ANNE M. C. G. MARSAUD.
School of Forestry: Prof. L. C. ARAUJO.

PROFESSORS:

National School of Agriculture:
ALVAHYDO, ROBERTO, Analytical Chemistry
ARAUJO, L. C., Horticulture and Silviculture
BARRETO, HELIO SAUL RAMOS, Agricultural Chemistry
CAMARA, A. DE L., Agricultural Mechanics
CARVALHO, HOMERO ROBERTO, Rural Engineering
CAVINA, RÔMOLO, Rural Economics
DE CASTRO, ABEILARD FERNANDO, Agricultural Geology
DOMINGUES, OCTÁVIO, General Zootechnics
FONSECA, HILTON JOSÉ DE SALLES, Drawing
GONÇALVES, CINCINNATO RORY, Agricultural Entomology
GROSSMANN, AMÉRICO, Specialised Agriculture
MONTEIRO FILHO, H. DA C., Agricultural Botany
NASCIMENTO FILHO, ALFREDO CESAR DO, General Agriculture
PEREIRA, PAULO COSTA, Organic Chemistry
ROCHA, AURELIO AUGUSTO DA, Agricultural Physics
SABUGOSA, JOSÉ DE MELLO, Specialised Zootechnics
SILVEIRA, VERLANDE DUARTE, Phytopathology and Microbiology
SOARES, BENEDITO ABILIO MONTEIRO, Agricultural Zoology

National School of Veterinary Science:
ALBUQUERQUE, ELOY HARDMAN CAVALCANTI DE, Industry and Inspection of Animal Products
ALVES DE SOUZA, MOACYR, Infectious, Contagious and Parasitical Diseases of Domestic Animals, Sanitation
BRIQUET JUNIOR, RAUL, General Zootechnics, Breeding and Housing of Domestic Animals
DACORSO FILHO, PAULO, Pathological Anatomy and Technics of Necropsis
DE ALMEIDA, J. L., Infectious, Contagious and Parasitical Diseases
DEMIRANDA, R. M., Specialised Zootechnics
IFF, E., Pharmacology
LEITE XAVIER, VICENTE, Microbiology and Immunology
LÔBO, BRUNO ALIPIO, Histology and Immunology
MUCCIOLO PASCHOAL, Industry and Inspection of Animal Products
NOVAES, DJALMA, Hygiene and Animal Nutrition
OLIVEIRA, ALZIDO DE, Anatomy of Domestic Animals
UBATUBA, FERNANDO BRAGA, Organic and Biological Chemistry
VOGEL, JADYR, General Pathology and Semeiology
VOGEL, L., Physiology
WILWERTH, L. M., Clinical and Surgical Pathology, Obstetrics

UNIVERSIDADE DE SANTA CATARINA

FLORIANÓPOLIS-SANTA CATARINA

Founded 1955.

Rector: JOÃO DAVID FERREIRA LIMA.

Number of teachers: 61.
Number of students: 533.

DIRECTORS:

Faculty of Economics: Prof. ROBERTO LACERDA.
Faculty of Law: Dr. JOÃO DAVID FERREIRA LIMA.
Faculty of Pharmacy and Odontology: Prof. LUIZ OSWALDO D'ACÂMPORA.
Faculty of Philosophy: Dr. HENRIQUE DA SILVA FONTES.

UNIVERSIDADE DE SANTA MARIA

RUA FLORIANO PEIXOTO 1184, SANTA MARIA RIO GRANDE DO SUL

Founded 1961.

Rector: Prof. J. M. DA ROCHA FILHO.

Faculties of Law, Pharmacy, Economics, Medicine.

UNIVERSIDADE DE SÃO PAULO

CIDADE UNIVERSITÁRIA "ARMANDO DE SALLES OLIVEIRA", CAIXA POSTAL 8191, SÃO PAULO

Telephone: 8-21-11.

Founded 1934.

Rector: Prof. Dr. LUÍS ANTONIO DA GAMA E SILVA.
Vice-Rector: Prof. Dr. MARIO GUIMARÃES FERRI.
Secretary-General: Dr. JÚLIO MARIO STAMATO.

Number of teachers: 2,042.
Number of students: 13,342.

DEANS:

Faculty of Law: Prof. Dr. LUÍS EULÁLIO DE BUENO VIDIGAL.
Faculty of Medicine: Prof. Dr. JOÃO ALVES MEIRA.
Faculty of Science, Philosophy and Letters: Prof. Dr. MÁRIO GUMARÃES FERRI.
Faculty of Pharmacy and Biochemistry: Prof. Dr. HENRIQUE TASTALDI.
Faculty of Odontology: Prof. Dr. ANTÔNIO ADMASTOR CORRÊA.
Faculty of Veterinary Medicine: Prof. Dr. EUCLYDES ONOFRE MARTINS.
Faculty of Hygiene and Public Health: Prof .Dr. ÁLVARO GUIMARÃES FILHO.
Faculty of Economics and Business Administration: Prof. Dr. DIRCEU LINO DE MATOS.
Faculty of Architecture and Town Planning: Prof. Dr. LOURIVAL GOMES MACHADO.
Polytechnic School: Prof. Dr. THARCISIO DAMY DE SOUZA SANTOS.
"Luiz de Queiroz" Higher School of Agriculture: Prof. Dr. HUGO DE ALMEIDA LEME.
School of Nursing: Prof. MARIA ROSA DE SOUZA PINHEIRO.
Faculty of Medicine (Ribeirão Prêto): Prof. ZEFERINO VAZ.
School of Nursing (Ribeirão Prêto): Prof. GLETE DE ALCÂNTARA.
School of Engineering (São Carlos): Prof. Dr. THEODORETO DE ARRUDA SOUTO.

PROFESSORS:

São Paulo

Faculty of Law:
ANTUNES, JOSÉ PINTO, Political Economy
ATALIBA NOGUEIRA, JOSÉ CARLOS DE, General Theory of State
AZEVEDO, NOÉ, Penal Law
BUZIAD, ALFREDO, Civil Judiciary Law
CESARINO JR., ANTÔNIO FERREIRA, Social Legislation

Corrêa, A. A. C., Roman Law
Gama e Silva, Luís Antônio da, International Private Law
Garcia, Basileu, Penal Law
Leme, Ernesto de Moraes, Commercial Law
Lima, O. de S., Civil Law
Marcondes Machado, Sylvio M., Commercial Law
Masagão, Mário, Administrative Law
Mendes de Almeida, Joaquim Canuto, Penal Judiciary Law
Monteiro, Honório Fernandes, Commercial Law
Monteiro, Washington de Barros, Civil Law
monteiro de Barros Filho, Theotonio, Financial Science
Motta Filho, Cândido, Constitutional Law
Nazo, Nicolau, Civil Law
Oliveira e Costa, Jr., João Baptista de, Legal Medicine
Reale, Miguel, Philosophy of Law
Rodrigues, Silvio, Civil Law
Santos, Moacyr Amaral, Civil Judiciary Law
Silva Telles, Jr., Goffredo da, Introduction to the Science of Law
Soares de Mello, José, Penal Law
Vidigal, Luís Eulálio de Bueno, Civil Judiciary Law

Faculty of Medicine:
Bastos, Eurico da Silva, Clinical Surgery
Carvalho, Hilário Veiga de, Forensic Medicine
Corbett, Charles Edward, Pharmacology
Corrêa Neto, Alípio, Clinical Surgery
Décourt, Luiz Venere, Medicine
Franco do Amaral, Antônio Dácio, Parasitology
Freire, Jerônimo Geraldo Campos, Urology
Godoy Moreira, Francisco Elias, Orthopædics and Traumatology
Junqueira, Luiz Carlos Uchôa, Histology and Embryology
Lacaz, Carlos da Silva, Microbiology and Immunology
Malgahães, Paulo Braga, Ophthalmology
Marcondes Machado, Pedro de Alcantara, Pediatrics
Medina, José Bonifácio, Obstetrics and Gynæcology
Meira, João Alves, Tropical Diseases and Infections
Mignone, Constantino, Pathological Anatomy
Nova, Raphael da, Otorhinolaryngology
Pacheco e Silva, Antônio Carlos, Psychiatry
Raw, Isaias, Chemical Physiology and Physical Chemistry
Sampaio, Sebastião de Almeida Prado, Dermatology and Syphilography
Silva, Alberto Carvalho da, Physiology
Sousa, Odorico Machado, Descriptive Anatomy and Topography
Tolosa, Adherbal Pinheiro Machado, Neurology
Ulhôa Cintra, Antônio Barros de, Medicine
Vasconcellos, Edmundo, Surgery

Faculty of Science, Philosophy and Letters:
Almedia, Fernando Furquim de, Principles and Complements of Mathematics
Amora, Antônio Augusto Soares, Portuguese Literature
Angelini, Arrigo Leonardo, Educational Psychology
Aubreton, Robert Henri, Greek Language and Literature
Audubert, Albert, French Language and Literature
Azevedo, Aroldo Edgard, Geography of Brazil
Bernardes, Newton, Quantity Mechanics and Statistical Mechanics
Betarello, Italo Bonfim, Italian Language and Literature
Bruand, Yves Bernard, Introduction to Historical Studies
Bueno, Francisco da Silveira, Portuguese Philology and Language
Buthlay, Kenneth George, English Language and Literature and Anglo-American
Cabral, Annita de Castilho e Marcondes, Psychology
Carvalho, Laerte Ramos de, History and Philosophy of Education
Castro, Amélia A. Franco Domingues de, General and Special Didatics
Castrucci, Benedito, Projective, Descriptive and Analytical Geometry
Chnaiderman, Boris, Russian
Cilento, Guiseppe, Organic Chemistry and Biology
Coelho, Ruy Galvão de Andrada, Sociology
Costa, João Cruz, Philosophy
Debrun, Michel, Ethics and Philosophy of Values
Dias, Cândido Lima da Silva, Complements of Geometry and Higher Geometry
Drumond, Carlos, Native Languages of Brazil
Fava, Lindo, Statistics
Farah, Edison, Mathematical Analysis
Farah, Edison, Higher Analysis
Fernandes, Florestan, Sociology
Ferraz, Sylvia Barbosa, German Language and Literature
Ferri, Mário Guimarães, Botany
França, Ary, Human Geography
França, Eduardo D'Oliveira, History of Modern and Contemporary Civilisation
Franco, Ruy Ribeiro, Petrography
Guisebrecht, Ernesto, General and Inorganic Chemistry
Hollanda, Sérgio Buarque de, History of Brazilian Civilisation
Hugon, Paulo, Political Economy
Köllert, Rudolf, Structural Geology and Applied Geo-physics
Lattes, Cesare Mansueto, Higher Physics
Lebrun, Gérard, Logic and Philosophy of Sciences
Leinz, Viktor, Geology
Machado, Lourival Gomes, Politics
Mathias, Simão, Chemical Physics and Higher Chemistry
Mattos, Odilon Nogueria de, History
Maurer Jr., Theodoro Henrique, Romance Philosophy
Melcher, Geraldo Conrado, Prospecting and Aero-photo Geology
Mello, Astrogildo Rodrigues de, History of American Civilisation
Mello e Souza, Antônio Cândido de, Literary Theory and Comparative Literature
Mendes, Josué Camargo, Palæontology
Mendes, Renato da Silveira, Regional Geography
Moraes, Abrahão de, Physical Mathematics
Morejón, Júlio Gregório Garcia, Spanish Language and Literature and Hispanic-American Studies
Orsini, Luiz de Queiroz, Electronics
Pavan, Crodovaldo, General Biology
Pinkuss, Fritz, Hebrew
Ribeiro, José Querino, Comparative Education and School Administration
Rodrigues, Milton Camargo da Silva, Statistics
Sala, Oscar, Nuclear Physics
Saldanha da Gama, Reynaldo Ramos de, Mineralogy
Santos, Annibal Cipriano da Silveira, Pathological Psychology
Sawaya, Michel Pedro, Zoology
Sawaya, Paulo, General and Animal Physiology
Schaden, Egon, Anthropology
Schenberg, Mário, Rational, Celestial and Higher Mechanics
Senise, Pascgoal Ernesto Américo, Analytical Chemistry
Sherman, John Gilmour, Psychology
Silveira, João Dias da, Physical Geography
Simões de Paula, Eurípedes, History of Ancient and Medieval Civilisation
Siqueira, Sônia Apparecida, Iberian History
Souza Santos, Marcello Damy de, General and Experimental Physics
Stammreich, Hans, Molecular Physics
Teixeira, Lívio, History of Philosophy
Tonioli, Armando, Latin
Werebe, Maria José Garcia, Oriental Education
Zanini, Walter, History of Art

Faculty of Pharmacy and Biochemistry:
Artigas, Paulo de Toledo, Parasitology
Campos, Maria A. Pourchet de Chemical Toxicology and Bromatology
Cristini, Bruno José Carlos, Pharmaceutical Technology
Della, Serra Otavío, Anatomy
Faro Neto, Raphael, Chemical Analysis
Ferreira, Paulo Carvalho, Organic Chemistry
Grotta, Astolpho de Souza, Botany
Katchburian, Eduardo, Histology
Lesser, Walter Sidney Pereira, Hygiene and Public Health
Liberalli, Carlos H. R., Pharmotechnics
Limongi, José Papaterra, Pharmodynamics
Melardi, Ebe B., General Inogarnic Chemistry
Mingoja, Quintino, Chemical Pharmaceutics
Orsini, Aristóteles, Physics
Picosse, Milton, Anatomy
Ramos, Armando Otávio, Pharmodynamics
Sasso, Wilson da Silva, Histology
Tastaldi, Henrique, Bio-Chemistry
Toledo, Tharcilo Almeida Neubern, Pharmacognosy

Faculty of Odontology
Aldrovandi, Carlos, Dental Prosthetics
Arbens, Guilherme Oswaldo, Social and Preventive Odontology
Barbosa, José, Pathology
Corrêa, Antonio Adamastor, Clinical Dentistry
Dantas, Arthur do Prado, Orthodontics and Child Dentistry
Degni, Francisco, Materia Dentrica
Della Serra, Octavio, Anatomy
Guimarães, Jr., Paulino Clinical Surgery
Jardim, Cervantes, Clinical Odontology
Orsini, Demosthenes, Physiology
Santiago, Alberto de Oliveira, Microbiology

SASSO, WILSON DA SILVA, Histology
SILVA, CYRO ANDRADE, Radiology
VIANNA, CÍCERO DE BRITO, Maxillo-Facial Prosthetics

Faculty of Veterinary Medicine:
BONOLDI, VIRGÍLIO, Chemical Biology, Chemical Bromatology
CARVALHO, FERNANDO VARELA DE, Therapeutics, Pharmacology and Art of Formulation
D'ÁPICE, MÁRIO, Infectious Illness or Parasitology
FERRI, ANTÔNIO GUIMARÃES, Histology and Embryology
FREITAS, DONOBERTO CHACON DE, Microbiology and Immunology
LAMOUNIER, ROMEU DINIZ, Pathology and Clinical Medicine
MARTINS, EUCLYDES ONOFRE, Pathological Anatomy
MATERA, ERNESTO ANTÔNIO, Pathological and Clinical Surgery and Obstetrics
PAIVA, ORLANDO MARQUES DE, Anatomy of Domestic Animals
PIRATININGA, SEBASTIÃO NICOLAU, Pathology and Clinical Medicine
RIBEIRO NETTO, ADOLPHO, Hygiene, Biostatics and Public Health
SCHNEIDER, IHIEL SCHWARTZ, Animal Foodstuffs
TABARELLI NETO, JOSÉ DE FATIS, Physiology
VAZ, ZEFERINO, Medical Zoology and Parasitology
VEIGA, JOÃO SOARES, Zootechnics

Faculty of Hygiene and Public Health:
AYROSA GALVÃO, AUGUSTO LEOPOLDO, Epidemiology and Prophylaxy
AZEVEDO NETTO, JOSÉ M. DE, Treatment of Water
BARROS, JOSÉ MARTINS DE, Venereal Diseases and Leprosy
BERQUÓ, ELZA SALVATORI, Biostatics
GANDRA, YARO RIBEIRO, Food Hygiene
COUTINHO, JOSÉ DE OLIVEIRA, Parasitology and Rural Hygiene
CRISTIVÃO, DÁCIO DE ALMEDIA, Microbiology and Applied Immunology
GUIMARÃES FILHO, ALVARO, Pre-Natal Hygiene
LARA, VICENTE DE SAMPAIO, Personal Hygiene
MASCARENHAS, RODOLFO DOS SANTOS, Technique of Public Health
MEIRA, JOÃO ALVES, Transmission of Disease
PAULA SOUZA, RAPHAEL DE, Phthsiology
PEDROSO, ODAIR PACHECO, Hospital Administration
RIBEIRO, BENJAMIN ALVES, Hygiene of Work
WANCOLLE, ALEXANDRE, Chemical Sanitation
YASSUDA, EDUARDO RIOMEY, Water Systems

Faculty of Economics and Business Administration:
ALMEIDA, CLODOMIRO FURQUIM DE, Financial and Actuarial Mathematics
AMATUZZI, ATÍLIO, Accountancy
BERTHET, LUIZ ARTHAUD, Mathematics
BUENO, LUIZ DE FREITAS, Statistics
BOUCINHAS, JOSÉ DA COSTA, Cost Accountancy
CANABRAVA, ALICE PIFFER, Economic and General History of Brazil
CESARINO Jr., ANTÔNIO FERREIRA, Institutions of Social Law
CAMARGO, LENITA CORRÊA, Finance of Enterprises
CUNHA, MÁRIO WAGNER VIVEIRA DA, Science of Administration
CAMARGO, JOSÉ FRANCISCO DE, Political Economy, Economic Analysis
DELFIM NETO, ANTÔNIO, Brazilian Economy, Government Planning
FREITAS, PAULO LEITE DE, Civil, Commercial and Fiscal Suits
IMPROTA, MILTON, Industrial and Agricultural Accountancy
LEME, RUY AGUIAR DA SILVA, Production, Administration
LUDERS, HIRONDEL SIMÕES, Auditing, Accounts
MANZOLI, FLÁVIO FAUSTO, Statistics
MATTOS, DIRCEU LINO DE, Geography of Brazil
MONTEIRO DE BARROS FILHO, THEOTONIO M., Science of Finance, Political Finance
MONTORO, ANDRÉ FRANCO, Institutions of Private Law
MORALES, ANTÔNIO, Statistics and Demography
MORAES, LAERTE DE ALMEIDA, Political Economy
MOREIRA, GERALDO CAMPOS, Institutions of Civil Law
REZENDE, JOSÉ IGNÁCIO BENEVIDES DE, General Sociology
RODRIGUES FILHO, ANTÔNIO PERES, Banks and Insurance
SOUZA, RUBENS CINTRA GOMES DE, Fiscal Legislation
SOUZA, ROBERTO PINTO, Comparative Study of Economic Systems
VIEIRA, DORIVAL TEIXEIRA, Value and Formation of Prices
VILLAÇA, MARIA JOSÉ, Commercial Techniques and Negotiations

Faculty of Architecture and Town Planning:
ARTIGAS, JOÃO B. VILANOVA, Architectural Composition
BIRKHOLZ, LAURO BASTOS, Town Planning
BREVES FILHO, JOÃO AUGUSTO, Mechanics
CARDOZO, ROBERTO COELHO, Landscape Planning
CERQUEIRA CESAR, ROBERTO, Architectural Composition
CINTRA DO PRADO, LUIZ, General and Applied Physics
CORONA, EDUARDO, Theory of Architecture
CRUZ, PEDRO MOACYR DO AMARAL, Descriptive Geometry
DUARTE, HÉLIO DE QUEIROZ, Architectural Composition
ESCOREL, FERNANDO JOSÉ DE OLIVEIRA, Materials of Construction
FERRAZ, JOSÉ CARLOS DE FIGUEIREDO, Wooden, Metal and Reinforced Concrete Structures
GARCEZ, LUCAS NOGUEIRA, Hydraulics
GRAVINA, PEDRO BENTO JOSÉ, Large Structures
LANGENDONCK, TELEMACO H. DE MACEDO VAN, Resistance of Materials
LOPES, JUAREZ RUBENS BRANDÃO, Administration, Organisation and Political Economy
MANGE, ERNEST ROBERT DE CARVALHO, Artistic Design
MELLO, EDUARDO AUGUSTO KNEESE DE, Foreign Architecture
MESQUITA, PAULO FERRAZ DE, Topography, Elementary Astronomy
MILA, ARIOSTO, Theory of Construction
MOTTA, FLÁVIO, History of Aesthetic Art
NEVES, JOSÉ MARIA DA SILVA, Decorative Composition
PISANELLI, DOMINGOS, Differential and Integral Calculus
REIS FILHO, NESTOR GOULART, History of Architecture
SILVA, JOAQUIM BEZERRA DA, History of Architecture
SOUZA, ABERLARDO RIEDY DE, Architectural Composition

Polytechnic School: 54 professors
"Luiz de Queiroz" Higher School of Agriculture: 22 professors
School of Nursing: 12 professors

Ribeirão Prêto

Faculty of Medicine:
ALMEIDA, JOSÉ OLIVEIRA DE, Microbiology and Immunology
AZEREDO, ALMIRO PINTO DE, Opthalmology
BECHELLI, LUIZ MARINO, Dermatology
CORTE, HERNAN RAMON DAVANZO, Medical Psychology
FIGUEIREDO, JORGE ARMBRUST DE LIMA, Neurology
FREITAS, JOSÉ L. PEDREIRA DE, Hygiene and Preventive Medicine
GONÇALVES, JOSÉ MOURA, Biochemistry
GOVIAN, MIGUEL ROLANDO, Physiology
KÖBERLE, FRITZ, Pathology
LISON, LUCIEN ALPHONSE J., Human Morphology
MARTINEZ, ALBERTO RAUL, Obstetrics and Gynæcology
OLIVEIRA, HÉLIO L. DE, Medicine
PEREIRA, MANUEL, Forensic Medicine
PEREIRA BARRETTO, MAURO, Parasitology
ROCHA E SILVA, MAURÍCIO O. DE, Pharmacology
SANTOS, RUY ESCOREL FERREIRA, Surgery
SOUZA, JOSÉ PAULO MARCONDES DE, Orthopædics
WOISKI, JACOB RENATO, Pediatrics

São Carlos

School of Engineering: 20 professors
School of Nursing: 15 professors

UNIVERSITY INSTITUTIONS:

Museu Paulista, Instituto Astronômico e Geofísico, Instituto Oceanográfico, Instituto de Pesquisas Matemáticas, Instituto de Estudos Brasileiros, Instituto de Bilogia Marinha, Instituto de Pré-história, Instituto de Geografia, Instituto de Artes, Instituto de Biologia, Instituto de Ciências, Instituto de Física, Instituto de Geologia, Instituto de Quimica.

COMPLEMENTARY INSTITUTIONS:

Instituto Agronómico de Campinas, Serviço Florestal, Instituto Biológico, Departamento de Assistência ao Cooperativismo, Departamento de Zoologia, Instituto Butanã, Diretoria de Assistencia a Psicopatas, Instituto do Radium "Arnaldo Vieira de Carvalho", Escola de Sociologia Política, Escola de Polícia, Instituto "Adolfo Lutz", Departamento da Produção Animal, Instituto de Botânica, Instituto de Energía Atômica, Associação Paulista de Combate ao Câncer, Serviço de Sericultura, Diretoria do Ensino Agrícola, Departamento de Engenharia e Mecânica da Agricultura.

PONTIFÍCIA UNIVERSIDADE CATÓLICA DE SÃO PAULO

RUA MONTE ALEGRE 984,
SÃO PAULO
Telephone: 527483.
Founded 1946.

Grand Chancellor: His Eminence Cardinal CARLOS CARMELO DE VASCON-

celos Motta, Cardinal Archbishop of São Paulo.

Rector: Mgr. Antonio Alves de Sigueira, Assistant Archbishop of São Paulo.

First Vice-Rector: Dr. Ramon Ortiz.

General Secretary: Dr. José Feliciano Ferreira da Rosa Aquino.

Number of teachers: 540.

Number of students: 3,670.

Publications: *Revista de Universidade, Revista de Psicologia Normal e Patológica.*

DIRECTORS:

Faculty of Law: Dr. Agostinho Neves de Arruda Alvim.

Faculties of Philosophy, Science, and Letters:
- *São Bento:* Mons. Dr. Victor Ribeiro Nickelsburg.
- *"Sedes Sapientiae" Institute:* Dir. Anna Maria Meirelles de Moraes, c.r.

Faculty of Economics, Accountancy and Actuarian Studies "Coração de Jesus": Rev. Rafael Chroboczek.

Faculty of Industrial Engineering: Rev. José Gomes Bueno.

Faculty of Theology "Nossa Senhora da Assunção": Mgr. Luiz Gonzaga da Silva.

Faculty of Medicine (Sorocaba): Dr. João B. de Oliveira Costa, Jr.

PROFESSORS:

Faculty of Law:

Almedia Prado Fraga, José de, Civil Law
Alves de Carvalho Pinto, Carlos Alberto, Finance
Alves de Siqueira, Antonio, Religion
Aranha Bandeira de Mello, Oswaldo Administrative Law
Azevedo, Vicente de, Penal Judiciary Law
Barbosa de Campos, Paulo Vicente de, Jr., Civil Law
Bonilha, Paulo, Commercial Law
Buzaid, Alfredo, Civil Judiciary Law
Campos, Paulo de Tarso, Ecclesiastical Law
Correia, Alexandre, Roman Law
Fernandes Monteiro, Honorio, Commercial Law
Franco Montoro, André, Introduction to the Science of Law
Galvão de Sousa, José Pedro, Theory of the State
Gama Cerqueira, João da, Industrial Law and Legislation
Garcia, Basileu, Penal Law
Marques, José Frederico, Civil Judiciary Law
Masagão, Mário, Civil Law
Meirellles Teixeira, José Horacio, Constitutional Law
Nazo, Nicolau, Private International Law
Neves de Arruda, Alvim Agostinho, Civil Law
Oliveira Costa, João Baptista de, Jr., Forensic Medicine
Papaterra Limongi, João, Political Economy
Pinto Accioly, Hildebrando Pompeu, Public International Law
Queiroz, Antonio de, Jr., Penal Law
Van Acker, Leonardo, Philosophy of Law

Faculties of Philosophy, Science and Letters: São Bento

Amstaldem D., Polycarpo, Latin Language and Literature
Arruda Souto, Theodureto de, General and Experimental Physics
Ataliba Nogueira, José Carlos de, Sociology
Botelho Nunes, o.s.b., Rev., Religion
Breves, João Augusto, Jr., Statistics
Corrêa de Oliveira, Plinio, Modern History
Correia, Alexandre, History of Philosophy
Fernandes Monteiro, Honorio, Politics
Fonseca, Joaquim Alfredo da, Physical Geography
Furquim de Almeida, Fernando, Mathematical Analysis, Higher Mathematics
Gayotto, Francisco, Theoretical and Higher Physics
Gualberto, Rev. Noé, History of America
Kruse, D. Beda, General and Specialised Didactics
Monteiro de Camargo, José Octavio, Rational and Celestial Mechanics, Mathematics
Ortiz, o.s.b., Rev. Ramón, Religion
Pacheco Salles, José Benedicto, Ancient and Medieval History
Paula Assis, António de, Human Geography
Padin, D. Candido, Religious Instruction
Papaterra Limongi, João, Political Economy, History of Economic Doctrines
Pereira de Souza Lima, Mario, Romance Philology
Rezende Costa, D. João Francisco de, Anthropology and Ethnography
Ribeiro Nickelsburg, Rev. Victor, Religion
Rieppenhoff, D. Raphael, School Administration, Comparative Education
Santos, Rodrigues, José dos, Greek
Sawaya, Paulo, Biology
Van Acker, Leonardo, General Philosophy

"Sedes Sapientiae" Institute

Cintra do Prado, Luiz, General and Experimental Physics
Corrêa de Brito, Paula A., Rational Mechanics, Celestial Mechanics, Mathematics
Correia, Alexandre, History of Philosophy
Corrêa de Oliveira, Plinio, Ancient, Medieval and Modern History
Danti, s.j., Rev. P. José, Philosophy and Catholic Doctrine
Furquim de Almeida, Fernando, Mathematical Analysis
Gayotto, Francisco, Theoretical and Higher Physics
Gutierrez, Rev. P. Laurentino, Spanish Language and Literature, Latin American Literatures
Leoni, Guilio Davide, Italian Language and Literature
Meirellles de Moraes, Anna Maria, Catholic Doctrine
Moncau, Pedro, Jr., Anthropology, Ethnography
Moraes, Abrahão de, Geometry
Moraes, José Elias de, Biology
Ponzio Ippólito, Antonio, Geometry
Sampiao Bueno, Madre Anna Cecilia, Psychology, Comparative Education
Sampaio de Freitas, Madre Maria Etelvina, Statistics of Education
Santos Rodrigues, José doz, Latin
Schostal, Emil, German Language and Literature
Sigaud, Geraldo P., History and Philosophy of Education
Silva d'Azevedo, Adelino da, Latin Literature
Sodré Dória, Madre Célia, Educational Psychology
Souza Lima, Mário Pereira de, Portuguese Language and Brazilian Literature
Terraguso, Antoinette Mahieu, French Language and Literature
Van Acker, Leonardo, Contemporary Philosophy

Faculty of Economics, Accountancy and Actuarial Studies:

Aquino Rocha, Rev. Edgar de, Political Economy
Azevedo Ribeiro, Jair de, Public Law
Choroboczek, Rev. Rafael, Religion
D'Ambrosio, Nicolau, Financial Mathematics
Fernandes Stringari, Rev. José, Religion
Jacuzzi, Rev. Leonardo, Religion
La Laina, Caetano, Accountancy
Rodrigues de Mello, Astrogildo, Economic Geography
Trisotto, Rev. Nello, History of Economic Doctrines

Faculty of Industrial Engineering:

Breves, João Augusto, Jr., Rational Mechanics
Cerruti, Eurico, Physics
Ferreira, Joaquim, Jr., Applied Mechanics
Furquim de Almeida, Fernando, Descriptive and Projective Geometry
Gayotto, Francisco, Industrial Physics
Gomes Bueno, s.j., Rev. José, Religion
Guedes, Henrique Jorge, Topography
Kobal, João, Jr., Industrial Chemistry
Lacaz Neto, Francisco António, Analytical Geometry, Gnomonography
Lima da Silva Dias, Candido, Infinitesimal Calculus
Macedo Van Langendonck, Telemaco Hipólito de, Resistance of Materials, Graphic States
Marques de Almeida, Fernando Flávio, Mineralogy and Petrography
Monteiro Pinheiro, Horácio, Physical Chemistry and Electrochemistry
Nogueira, José Milton, Chemistry
Nogueira Garcez, Lucas, Hydraulics
Papaterra Limongi, João, Economics and Statistics
Roperto, Roberto, Analytical Chemistry
Soares Monteiro, Rev. Adauto, Physiochemistry and Electrochemistry
Tastaldi, Henrique, Technological Botany, Biochemistry and Zoology
Verlangieri, José, Hygiene

FUNDAÇÃO UNIVERSITARIA FEDERAL DE SÃO PAULO

(Federal University of São Paulo)

SÃO CARLOS, SÃO PAULO

Founded 1962.

The following establishments will be incorporated: The Pauline School of Medicine, The School of Nursing of the São Paulo Hospital, The Faculty of Medicine of Campinos, The Faculty of Law of Sorocabe, The Municipal Faculty of Economic Sciences of Santo

André, and the Conservatoire of Dramatic and Musical Art of São Paulo. Departments of mathematics, biology, geography, human sciences, and arts and letters will be added.

UNIVERSIDADE RURAL DO SUL

PRAÇA 7 DE JULHO 52, PELOTAS, RIO GRANDE DO SUL

Founded 1964.

Rector: Prof. C. R. PEIXOTO.

UNIVERSIDADE CATÓLICA SUL RIO-GRANDENSE DE PELOTAS

RUA RUY BARBOSA 412, PELOTAS, RIO GRANDE DO SUL

Founded 1960.

Rector: C. M. DE SÁ GURGEL.

Faculties of Economics, Philosophy and Law.

TECHNICAL INSTITUTES

ESCOLA NACIONAL DE MINAS E METALURGIA (School of Mining and Metallurgy)

PRAÇA TIRADENTES, OURO PRETO, M.G.

Founded in 1876 by the French scientist Henri Gorceix by special commission of Emperor Pedro II.

Director: Dr. SALATHIEL TORRES.

INSTITUTO ELECTROTECNICO DE ITAJUBA

RUA CORONEL RENO, 7, ITAJUBA, MINAS

Founded 1913.

Director: Prof. PEDRO MENDES DOS SANTOS.

Number of teachers: 25.
Number of students: 208.
Publication: *Hsinas Hidrielétricas.*

INSTITUTO TECNOLOGICO DE AERONAUTICÁ

SÃO JOS DOS CAMPOS, SÃO PAULO

Telephone: 450.

Founded 1947.

Rector: MARCO A. G. CECCHINI.
Registrar: ARP PROCOPIO DE CARVALHO.
Librarian: ABNER LELLIS VICENTINI.

Number of teachers: 120.
Number of students: 537.

DIRECTORS:

Department of Electronic Engineering: JOSÉ THOMAZ SENISE.
Department of Aeronautical Engineering: PADRAIC C. DUNNE.
Department of Mechanical Engineering: JEREMIAS CHRISPIM.

PROFESSORS:

BOFFI, LUIZ VALENTE, Conversion and Control of Energy
CANTANHEDE FILHO, LUIZ, Airlines and Ground Organisation
CECCHINI, MARCO A. G., Chemistry
DUNNE, PADRAIC C., Aeronautics and Structures
GORECKI, JACEK P., Aerodynamics
GUIMARÃES, MARIO A., Physics
HALL, KEITH W., Machine Design
HELANDER, LINN, Heat Transfer
KÜNZI, CHARLES, Production
PETROFF, ALEXANDER, Airplane Design
POMPEIA, PAULUS A., Physics
RABSON, GUSTAVE, Mathematics
RICARDO, OTAVIO, Structures
SCHNEIDEWIND, R., Metallurgy
TOLLE, PAULO ERNESTO, Administration and Law
TOWNE, STEPHEN, Solid Mechanics

Escola de Engenharía de Alagôas: Rua Cons, Sinimbu 206, Maceió, Al.; f. 1955.

Escola de Engenharía do Brasil Central: Praça Universitaria Goiania, Go.; f. 1954.

Escola de Engenharía do Juiz de Fóra: Rua Visc. de Maúa, Juiz de Fóra, MG.; f. 1915.

Escola de Engenharía do Triângulo Mineiro: Av. Guilherme Ferreira 217, Uberaba, MG.; f. 1957.

Escola Fluminesne de Engenharía: Rua Passo da Pátria 156, Niterói, RJ.; f. 1953.

Escola de Engenharía Industrial de Rio Grande: Rua Cel. Sampaio, Rio Grande, RS.; f. 1956.

Escola de Química Industrial do Pará: Praça da República, Belem, Pa.; f. 1956.

Escola de Química de Sergipe: Rua Campo do Brito 371, Aracajú, SE.; f. 1950.

Escola de Engenharía de São Paulo: nr. São Paulo, SP.; f. 1962.

SCHOOLS OF ART AND MUSIC

Rio de Janeiro, GB.

Escola Nacional de Belas Artes (*National School of Fine Arts*): Rua Araújo Alegre; f. 1816 by D. João VI of Portugal as Academia Imperial das Belas Artes; present name since 1890; is attached to the Universidade do Brasil; Dir. Prof. G. P. PINHEIRO.

Instituto Nacional de Música da Universidade do Brasil (*National School of Music, Brazil University*): Rua do Passeio 98; f. 1848 as Conservatório Imperial de Música, then Instituto Nacional de Música; library (f. 1890), 25,000 vols. of music; museum of instruments; Dir. Maestrina JOANIDA SODRÉ; Librarian MARIA HUGO BRAGA PINTO COELHO; publs. *Revista de Música Brasileira* (monthly), *Arquivos de Música Brasileira* (bi-annually).

Attached to the School is the:

Centro de Pesquisas Folceóricas (*Folklore Research*): f. 1943; Dir. (Técnico Pesquisador) Sra. DULCE LAMAS; Prof. LUIZ H. CORRÊA DE AZEVEDO; collections of native music on records.

Academia de Música "Lorenzo Fernandez" (*"Lorenzo Fernandez" Academy of Music*): Av. Rio Brenco, 311-11; f. 1954; Dir. D. HELENA LORENZO FERNANDEZ.

Conservatório Brasileiro de Música (*Brazilian Academy of Music*): Av. Praça Aranha, 57-12°; f. 1936; Dir. Professora ANTONIETTA DE SOUZA; publ. *Revista CBM.*

Conservatório Nacional de Canto Orfeônico (*National Academy of Choral Singers*): Av. Pasteur 350; f. 1943; Dir. OCTALIO DE SOUZA BRAGA.

São Paulo

Conservatório Dramático e Músical de São Paulo (*Academy of Music and Drama*): Av. São João 269; f. 1906; library, 24,000 vols.; Dir. Dr. C. A. GOMES CARDIM FILHO.

Escola de Arte Dramática de São Paulo: Avda. Tiradentes 141; Dir. ALFREDO MESQUITA.

Escola de Arte-Fundação Armando Alvares Penteado: Rua Alagoas 903; Dir. FLÁVIO L. MOTTA.

Escola de Belas Artes de São Paulo: Praça da Luz 2, São Paulo; f. 1925; teaching staff: 16; Dir. Arq. CARLOS A. GOMES CARDIM FILHO.

Instituto Musical "Santa Marcelina": Rua Cardoso de Almeida 541; Dir. Sister SOPHIA MARCHETTI.

Instituto Musical de São Paulo: Ruados Estudantes 32; f. 1927; Principal HERCILIA CASTILHO CARDOSO.

Seminário de Cinema: Rua Cunha Cago 152; Dir.-Pres. CASSIANO GABUS MENDES; trains technicians and screen writers.

Campinas

Conservatório de Canto Orfeônico "Maestro Julião" (*Maestro Julião Academy of Choral Singers*): Universidade Católica de Campinas, Rua Marechal Deodoro 1099; f. 1947; Dir. Prof. LUIZ BIELA DE SOUZA.

Goias

Escola Goiana de Belas Artes (*Goia School of Fine Arts*): Praça Civica 3; f. 1954; Dir. Dr. LUÍS DO CARMO CURADO.

Porto Alegre

Escola de Artes da Universidade do Rio Grande do Sul (*Institute of Fine Arts*): Rua Senhor dos Passos 248; f. 1908; Dir. Profa. AURORA MARIA CONCEIÇÃO DESIDÉRIO.

BULGARIA

Population 8,078,100

BULGARIAN ACADEMY OF SCIENCES

SOFIA, "7 NOEMVRI", 1

Founded 1869

Honorary President: Acad. TODOR PAVLOV.

President: LIUBOMIR KRĂSTANOV.

Vice-Presidents: VLADIMIR GEORGIEV, GEORGY UZUNOV, ROSTISLAV KAIŠEV.

General Scientific Secretary: LIUBOMIR ILIEV.

Library: *see* Libraries.

Publications: *Comptes Rendus, Spisanie* (Journal), *Priroda* (Nature).

MEMBERS:

ARNANDOV, M. (Literature).
BONČEV, E. (Geology).
BOŽINOV, A. (Painter).
BUREŠ, I. (Zoology, Entomology).
CANKOV, S. (Theology and Law).
CENOV, I. (Mathematics).
DACEV, A. (Theoretical Physics).
DASKALOV, H. (Agronomy).
DIMITROV, M. (Philosophy and History).
EMANUILOV, I. (Microbiology).
GANOVSKI, S. (Philosophy).
GEORGIEV, V. (Linguistics).
GEORGIEVA, R. (Genetics and Selection of Plants).
GOŠEV, I. (Theology and Archæology).
HADŽIOLOV, A. (Histology, Embryology).
HLEBAROV, G. (Animal Breeding).
HRISTOV, H. (Theoretical Physics).
HRISTOV V. K. (Geodesy).
IVANOV, D. (Organic Chemistry).
IVANOV, K. (Veterinary and Comparative Pathology).
JORDANOV, D. (Botany).
JOVČEV, J. (Geology).
KAIŠEV, R. (Physical Chemistry).
KAMENOV, E. (Economics).
KARASLAVOV, G. (Writer).
KOSEV, D. (History).
KRĂSTANOV, L. (Geophysics).
KRISTANOV, C. (Medicine).
MIHALČEV, D. (Philosophy).
MIJATEV, K. (Archæology).
NADŽAKOV, G. (Physics).
NATAN, Z. P. (Economics).
PAVLOV, K. (Plant Breeding).
PAVLOV, T. (Philosophy).
POPOV, A. T. (Agronomy).
POPOV, K. A. (Mathematics).
POPOV, P. M. (Plant Breeding).
RANKOV, G. (Organic Technology).
SNEGAROV, I. (History).
STAJNOV, P. G. (Composer).
STAJNOV, P. S. (Law).
STEFANOV, B. (Forestry).
STEFANOV, I. (Economics, Statistics).
STOJANOV, A. (Music).
STOJANOV, L. (Writer).
STOJANOV, N. (Botany).
UZUNOV, G. (Psychiatry).
VASILEV, L. (Law).

The Academy has nine departments, in which the following Institutes are included:

Department of Physics and Mathematics: Sec. Acad. A. DACEV.

Institute of Physics, with Atomic Research Station: f. 1946; Dir. G. NADŽAKOV.
Institute of Electronics: f. 1963; Dir. E. DŽAKOV.
Mathematical Institute with Computing Centre: f. 1948; Dir. L. ILIEV.
Institute of Geophysics: f. 1960; Dir. L. KRĂSTANOV.
Institute of Hydrology and Meteorology; f. 1953; Dir. I. MARINOV.
Central Laboratory of Geodesy: f. 1956; Dir. V. K. HRISTOV.
Section of Astronomy: f. 1958; Dir. N. BONEV.

Publs. *Izvestija, Physics-Mathematical Journal, Astronămičeski Kalendar.*

Department of Technical Sciences: Sec. Acad. A. BALEVSKI.

Institute for Technical Cybernetics: f. 1964; Dir. N. NAPLATANOV.
Institute of Water Problems: f. 1963; D. VELEV.
Institute of Technical Mechanics: f. 1963; Dir. J. SIMEONOV.
Central Laboratory of Energetics: f. 1962; Dir. G. RAŠEEV.
Section for Metals and Technology: f. 1960; Dir. A. BALEVSKI.
Section of Theory and History of Town Planning and Architecture: f. 1962; Head L. TONEV.

Publs. *Izvestija, Technical Thought.*

Department of Geology and Geography: Sec. Acad. B. KAMENOV.

"S. Dimitrov" Institute of Geology: f. 1947; Dir. E. BONČEV.
Institute of Geography: f. 1950; Dir. Ž. GĂLĂBOV.

Publs. *Isvestija, Journal of the Bulgarian Geological Society.*

Department of Chemical Sciences: Sec. Acad. B. KURTEV.

Institute of General and Inorganic Chemistry: f. 1960; Dir. G. BLIZNAKOV.
Institute of Organic Chemistry: f. 1960; Dir. B. KURTEV.
Institute of Physical Chemistry: f. 1956; Dir. R. KAIŠEV.

Publs. *Izvestija.*

Department of Biological Sciences: Sec. Acad. I. EMANUILOV.

Institute of Zoology with Museum: f. 1947; Dir. A. VĂLKANOV.
Institute of Botany with Botanical Garden: f. 1947; Dir. D. JORDANOV.
"M. Popov" Institute of Plant Physiology: f. 1948; Dir. K. J. POPOV.
Institute of Microbiology: f. 1947; Dir. A. TOSKOV.

Institute of Comparative Pathology of Animals: f. 1948; Dir. K. IVANOV.
Central Laboratory of Helmintology: f. 1954; Dir. K. MATOV.
Biochemical Research Laboratory: f. 1960; Dir. R. TSANEV.
Commission for Nature Preservation: Pres. G. PASPALEV.
Publs. *Izvestija, Flora na Bulgaria.*

Department of Medical Sciences: Sec. Acad. I. PENČEV.
Institute of Physiology: f. 1947; Dir. (Vacant).
Institute of Morphology: f. 1953; Dir. A. J. HADŽIOLOV.
Institute of Nutrition: f. 1960; Dir. T. TAŠEV.
Attached to the Department are Sections doing research work in Neurology and Psychiatry, Endocrinology, Cardio-vascular Diseases, Orthopœdics and Traumatology and Regeneration.
Publs. *Izvestija.*

Department of History and Pedagogics: Sec. Acad. D. KOSEV.
Institute of History: f. 1947; Dir. H. HRISTOV.
Institute of Archæology with Museum: f. 1921; Dir. D. DIMITROV.
Institute of Ethnography with Museum: f. 1947; Dir. H. GANDEV.
Institute for Balkan Studies: f. 1946; Dir. N. TODOROV.
Publs. *Izvestija, Sources of Bulgarian History, Historical Review, The Journal of Archæology.*

Department of Philosophy, Economics and Law: Sec. Acad. E. KAMENOV.
Institute of Philosophy: f. 1948; Dir. T. PAVLOV.
Institute of Economics: f. 1949; Dir. K. DOBREV.
Institute of Law: f. 1948; Dir. L. VASILEV.
Publs. *Izvestija, Philosophical Thought, Economic Thought, Legalistic Thought.*

Department of Linguistics, Literature and Fine Arts: Sec. Acad. P. ZAREV.
Institute of Bulgarian Language: f. 1951; Dir. L. ANDREJČIN.
Institute of Literature: f. 1948; Dir. S. BOŽKOV.
Institute of Music: f. 1948; Dir. P. G. STAJNOV.
Institute of Fine Arts: f. 1949; Dir. A. OBRETENOV.
Publs. *Izvestija, Balkan Linguistics, Literary Thought, Bulgarian Language.*

BODIES UNDER THE DIRECT SUPERVISION OF THE PRAESIDIUM OF THE BULGARIAN ACADEMY OF SCIENCES:
Committee for the Study of Productive Forces: Pres. I. ZAHARIEV.
Editorial and Publishing Council: Sec. K. IVANOV.
Central Library of the Bulgarian Academy of Sciences with Information and Documentation Department and Scientific Archives. *See under* "Libraries".
Service for the preparation of a Bulgarian Encyclopædia: Chief L. NANOV.
Publishing House of the Bulgarian Academy of Sciences and Printing House: Dir. K. KRĂSTEV.
Publs. *Izvestija, Abstracts of Bulgarian Scientific Literature in 9 series.*

ACADEMY OF AGRICULTURAL SCIENCES

SOFIA, 6 DRAGAN TZANKOV STR.

Founded 1961

President: (Vacant).
Vice-Presidents: Corresp. mem. K. BRATANOV, Acad. H. DASKALOV.
General Scientific Secretary: Prof. K. STOEV.

MEMBERS:

DASKALOV, H. (Agronomy).
GEORGIEVA, R. (Agronomy).
HLEBAROV, G. (Animal Breeding).
NEDELČEV, N. (Viticulture).
PAVLOV, K. (Agronomy).
POPOV, A. (Agronomy)
POPOV, P. (Agronomy).
STEFANOV, B. (Forestry).

CORRESPONDING MEMBERS:

BRATANOV, K. (Veterinary).
KOVAČEVSKI, I. (Agronomy).
KUMANOV, S. (Animal Breeding).
MILKOVSKI, J. (Agronomy).
PLATIKANOV, N. (Animal Breeding).
STOJANOV, V. (Forestry).

The Academy has four Departments in which the following Institutes are included:

Department of Agriculture.
Institute of Plant Breeding: Sofia; f. 1952; Dir. Acad. H. DASKALOV.
Institute of Tobacco: Plovdiv; f. 1950; Dir. D. ŠABANOV.
Institute of Wheat and Sunflower: near Tolbuhin; f. 1951; Dir. D. B. SIMEONOV.
Institute of Maize: Kneža; f. 1952; Dir. V. VĂLČINKOV.
Institute of Cotton: Čirpan; f. 1925; Dir. P. KONIŠEV.
Institute of Forage Crops: Pleven; f. 1955; Dir. M. I. MARINOV.
Complex Research Institute of Agriculture: Karnobat; f. 1925; Dir. G. TELKIEV.
Research Institute of Agriculture "Obrazcov Čiflik": near Ruse; f. 1905; Dir. P. ATANASOV.
Central Laboratory of Genetics: Sofia; f. 1963; Dir. Acad. R. GEORGIEVA.
"K. Malakov" Experiment Station: Sadovo, District of Plovdiv; f. 1902; Dir. C. CONEV.
Experiment Station on Roses and other Essential Oil-Yielding Crops: Kazanlăk; f. 1924; Dir. V. STAIKOV.

Department of Animal Husbandry and Veterinary Science.
Institute of Animal Husbandry: Kostinbrod Station, Sofia District; f. 1950; Dir. Corresp. mem. S. KUMANOV.
Veterinary Institute of Infectious and Parasite Diseases: Sofia; f. 1901; Dir. I. ČENČEV.
Veterinary Institute of Biology and Pathology of the Propagation of Livestock: Sofia; f. 1938; Dir. Corresp. mem. K. BRATANOV.
Attached to the Department are also two Institutes of Animal Husbandry in Stara Zagora and Kolarovgrad; three Veterinary Institutes in Tărnovo, Plovdiv and Stara Zagora; Apiculture Experiment Station in Sofia and Silkworm Breeding Experiment Station in Vraca.

Department of Viticulture, Fruitgrowing and Vegetable Crops
Institute of Viticulture and Wine Industry: Pleven; f. 1902; Dir. J. IVANOV.
Institute of Vegetable Crops: Plovdiv; f. 1930; Dir. A. MIHOV.
Institute of Plant Protection: Kostinbrod Station, Sofia District; f. 1935; Dir. Corresp. mem. I. KOVAČEVSKI.

Attached to the Department are also Institutes of Fruitgrowing in Plovdiv and Kjustendil and Fruit-growing Experiment Stations in Pomorie, Drjanovo and Gorna Orjahovica.

Department of Mechanisation and Economics of Agriculture.

"N. Puškarov" Institute of Soil Science and Agro-technics: Sofia; f. 1948; Dir. Doc. I. GĂRBUČEV.

Central Research Institute of Hydrotechnics and Meliorations: Sofia; f. 1952; Dir. G. NAČKOV.

Institute of Forestry: Sofia; f. 1928; Dir. Acad. B. STEFANOV.

Central Research Institute of Economics and Organisation of Agriculture: Sofia; f. 1935; Dir. P. HRISTOV.

Institute of Mechanisation and Electrification of Agriculture: Sofia; f. 1950; Dir. S. DIMOV.

Central Laboratory for Agrophysical Investigations: Sofia, Kv. Republika; f. 1962; Dir. Prof. R. ANDREIČIN.

Attached to the Academy of Agricultural Sciences is the Centre of Agricultural and Technical Information and Documentation; f. 1961; Chief S. SLAVOV; publs. *Abstracts of Bulgarian Scientific Literature* and *Information Bulletins*.

LEARNED SOCIETIES

THE ARTS

Bulgarian Musicians' Union: Sofia, G. Genov 21; f. 1965; Pres. D. RUSKOV.

Union of Bulgarian Actors: Sofia, Pl. Lenin 4; f. 1919; Pres. M. MINDOV; publ. *Teatăr*.

Union of Bulgarian Artists: Sofia, Moskovska 37; Pres. Prof. D. UZUNOV; publ. *Izkustvo*.

Union of Bulgarian Writers: Sofia, Angel Kănčev 5; f. 1913; Sec.-Gen. D. DIMOV; publs. *Literaturen front*, *Septemvri*, *Plamăk*.

Union of Bulgarian Architects: Sofia, Lege 10; f. 1965; Pres. G. STOILOV; publ. *Arhitektura*.

Union of the Bulgarian Cinema Workers: Sofia, ul. Rakovska 108; Pres. T. DINOV; publ. *Kinoizkustvo*.

Union of the Bulgarian Composers: Sofia, Iv. Vazov 2; f. 1947; Pres. F. KUTEV.

GENERAL

Union of Scientific Workers: Sofia, Tolbuhin 18; f. 1944; Pres. Prof. K. BRATANOV; publ. *Naučen Život*.

GEOGRAPHY AND GEOLOGY

Bulgarian Geographical Society: Sofia, Ruski 15; f. 1918; Pres. I. IVANOV; publs. *Izvestija*, *Problemi na geografijata*.

Bulgarian Geological Society: Sofia, P.B. 228; f. 1925; Pres. Prof. G. DIMITROV.

ECONOMICS, HISTORY, PHILOSOPHY

Historical Society: Sofia, Ždanov 5; f. 1964; Pres. D. KOSEV.

Sociological Society: Sofia, P. Eftimi 6; f. 1959; Sec. Ž. OŠAVKOV.

Union of the Bulgarian Economists: Sofia, Tolbuhin 18; f. 1964; Pres. Prof. KR. DOBREV.

LAW

Bulgarian Association for Penal Law: Sofia, Rakovska 108; f. 1961; Pres. ST. PAVLOV.

Bulgarian Association for International Law: Sofia, Benkovska 3; f. 1962; Pres. E. KAMENOV; publ. *Godišnik*.

MEDICINE, SCIENCES

Bulgarian Botanical Society: Bulgarian Academy of Sciences, Botanical Institute, Sofia 13; f. 1923; Pres. N. STOJANOV.

Bulgarian Oncological Society: Sofia-Dărvenica, Plovdivsko šose 6; Pres. Prof. N. ANČEV; publ. *Onkologija*.

Bulgarian Scientific Stomatological Association: Sofia, Bjalo more 8; Pres. Dr. BURKOV; publ. *Stomatologija*.

Society of Microbiologists, Epidemiologists, Hygienists and Medical Administrators in Bulgaria: Sofia, Dunav 2; Pres. L. CVETKOV; publ. *Higiena*.

Society of Anatomists, Histologists and Embryologists: Sofia, G. Sofijski 1; Pres. D. KADANOV; publ. *Eksperimentalna medicina i morfologija*.

Society of Anæsthesiologists: Sofia, Tolbuhin 18; Pres. Prof. A. ČERVENAKOV.

Society of Dermatologists: Sofia, G. Sofijski 1; Pres. Prof. BALEVSKA; publ. *Dermatologija i venerologija*.

Society of Forensic Medicine: Sofia, G. Sofijski 1; Pres. Prof. M. MARKOV.

Society of History of Medicine: Sofia, Bjalo more 8; Pres. Prof. B. BRATANOV.

Society of Internists: Sofia, ul. G. Sofijski 1; Pres. Prof. I. JONKOV; publ. *Vătrešni bolesti*.

Society of Medical Laboratory Technology: Sofia, Bjalo more 8; Pres. Prof. J. TODOROV.

Society of Natural Sciences: Sofia University; f. 1896; Pres. D. JORDANOV.

Society of Neurologists, Psychiatrists and Neurosurgeons: Sofia, G. Sofijski 1; Pres. Prof. G. UZUNOV; publ. *Nevrologija, psihiatrija i nevrohirurgija*.

Society of Obstetricians and Gynæcologists: Sofia, G. Sofijski 1; Pres. I. ŠTĂRKALEV; publ. *Akušerstvo i ginekologija*.

Society of Ophthalmologists: Sofia, Bjalo more 8; Pres. Prof. I. VASILEV; publ. *Oftalmologija*.

Society of Orthopædists and Traumatologists: Sofia, ul. G. Sofijski 1; Pres. Prof. B. BOIČEV; publ. *Ortopedija i travmatologija*.

Society of Oto-rhino-laringologists: Sofia, Bjalo more 8; Pres. Prof. G. BOIKIKEV; publ. *Otorinolaringologija*.

Society of Pathologo-anatomists: Sofia, Bjalo more 8; Pres. I. GORANOV.

Society of Pediatricians: Sofia, ul. G. Sofijski 1; Pres. Prof. L. RAČEV; publ. *Pediatrija*.

Society of Pharmaceutists in Bulgaria: Sofia, G. Sofijski 1; Pres. D. DALEV; publ. *Farmacija*.

Society of Phthisiologists: Sofia, D. Nestorov 19; Pres. Dr. M. DONEV; publ. *Ftisiatrija*.

Society for Physiological Sciences: Sofia, Bulgarian Academy of Sciences, Institute of Physiology; Pres. Prof. P. NIKOLOV.

Society of Physicists and Mathematicians: Sofia, Mathematical Institute, Anton Ivanov 1; f. 1962; Pres. Prof. B. PETKANČIN.

Society of Physiotherapeutists: Sofia, P. Grozdanov 42; Pres. S. BOIKIKEVA; publ. *Kurortologija i fizioterapija*.

Society of Surgeons in Bulgaria: Sofia, Bjalo more 8; Pres. K. STOJANOV; publ. *Hirurgija*.

Society of Sport Physicians: Sofia, Institute of Physiology of the Bulgarian Academy of Sciences; Hon. Pres. Prof. D. MATEEV.

Society of Roentgenologists and Radiologists: Sofia, Bjalo more 8; Pres. Prof. G. HADŽIDEKOV; publ. *Rengenologija i radiologija*.

TECHNOLOGY

Astronautical Society of Bulgaria: Sofia, Tolbuhin 18; f. 1963; Pres. Prof. N. BONEV; publ. *Astronavtika.*

Scientific and Technical Union of Agricultural Specialists: Sofia, Rakovska 108; Pres. B. KADINOV.

Scientific and Technical Union of Bulgarian Geodesists and Surveyors: Sofia, Rakovska 108; Pres. Prof. V. PEEVSKI.

Scientific and Technical Union on Chemical Industry: Sofia, Rakovska 108; Pres. N. VIDENOV.

Scientific and Technical Union on Civil Engineering: Sofia, Rakovska 108; Pres. S. KOLEV.

Scientific and Technical Union on Electrical Engineering: Sofia, Rakovska 108; Pres. Prof. P. VLĂČKOV.

Scientific and Technical Union on Food Industry: Sofia, Rakovska 108; Pres. Z. STOJANOV.

Scientific and Technical Union on Forest Engineering: Sofia, Rakovska 108; Pres. Prof. M. MARINOV.

Scientific and Technical Union on Mechanical Engineering: Sofia, Rakovska 108; Pres. M. POPOV.

Scientific and Technical Union on Mining Engineering, Geology and Metallurgy: Sofia, Rakovska 108; Pres. H. POPJORDANOV.

Scientific and Technical Union on Textile and Clothing: Sofia, Rakovska 108; Pres. Prof. A. KEVORKJAN.

Scientific and Technical Union on Transport: Sofia, Rakovska 108; Pres. A. POPOV.

Scientific and Technical Union on Water Works: Sofia, Rakovska 108; Pres. Prof. I. GADŽALSKI.

RESEARCH INSTITUTES

MEDICINE

Research Institute of Dermatology and Venerology: Sofia, G. Sofijski 1; f. 1951; Dir. Prof. P. POPHRISTOV; publ. *Trudove.*

Research Institute of Epidemiology and Microbiology, Sofia, Vladimir Zaimov 26; f. 1883; Dir. Dr. S. RANGELOVA; publ. *Trudove.*

Research Institute of Hæmatology and Blood Transfusion: Sofia, Plovdivsko šose 6; f. 1948; Dir. Prof. V. SERAFIMOV; publ. *Godišnik.*

Research Institute of Labour Protection and Occupational Diseases: Sofia, P. Napetov 56; f. 1948; Dir. M. LUKANOV; publ. *Naučni Trudove.*

Research Institute of Neurology and Psychiatry: Sofia, kv. Iztok; f. 1951; Dir. Prof. G. GANEV; publ. *Naučni Trudove.*

Research Institute of Obstetrics and Gynecology: Sofia, ul. Mihalaki Tašev 2; f. 1959; Dir. Asst. Prof. E. SVETOSLAVOVA.

Research Institute of Pediatrics: Sofia, ul. D. Nestorov 11; f. 1951; Dir. N. KOEVA; publ. *Naučni Trudove.*

Research Institute of Prosthetics and Rehabilitation Surgery: Sofia, ul. Urvič 13; f. 1953; Dir. I. ILIEV; publ. *Godišnik.*

Research Institute of Resort Science and Physiotherapy: Sofia, Ovča Kupel 3; f. 1949; Dir. Dr. M. DOINOV; publ. *Naučni Trudove.*

Research Institute of Sanitation and Hygiene: Sofia, Boul. Zaimov 26; f. 1880; Dir. Dr. L. GRIGOROV; publs. *Trudove, Izvestija.*

Research Institute of Stomatology: Sofia, ul. Bjalo more 8; Dir. Prof. T. BURKOV; publ. *Naučni Trudove.*

Research Institute of Tuberculosis: Sofia, ul. D. Nestorov 19; f. 1949; Dir. Prof. S. TODOROV.

Oncological Research Institute: Sofia, Plovdivsko šose 8; f. 1955; Dir. Prof. N. ANČEV; publ. *Naučni Trudove.*

TECHNOLOGY

Chemical-Pharmaceutical Research Institute: Sofia, Antim I 53; f. 1947; Dir. I. ZELJASKOV; publ. *Trudove.*

Electrical Industries Research and Design Institute: Sofia, Boul. Černi Vrăh 127; f. 1959; Dir. (Vacant); publ. *Godišnik.*

Central Research Institute of the Technology of Machine Building: Sofia, kv. Slatina; f. 1956; Dir. V. S. MIČEV; publ. *Godišnik.*

Research and Design Institute for Instrument Building and Automation: Sofia, ul. M. Petljakova 1; f. 1962; Dir. Asst. Prof. P. TRAIKOV.

Research Institute of the Chemical Industry: Sofia, ul. Oporska reka 5; f. 1954; Dir. G. MONEV; publ. *Godišnik.*

Research Institute of Cinematography and Radio: Sofia, ul. T. Strašimirov 2; f. 1953; Dir. S. ŠARLANDŽIEV; publ. *Izvestija.*

Research Institute of Coking Chemistry and Oil Processing: Sofia, Oporska reka 5; f. 1963; Dir. P. PLAČKOV; publ. *Godišnik.*

Research Institute of Communications: Sofia, Pavlovo; f. 1950; Dir. I. IVANOV; publ. *Sbornik.*

Research Institute of Energetics at the Committee for Energetics and Fuels: Sofia, Boul. Dondukov 2; f. 1954; Dir. Prof. N. NANČEV; publ. *Trudove.*

Research Institute of Ferrous Metallurgy: Sofia, Botunec-Kremikovci; f. 1962; Dir. S. BAGAROV; publ. *Godišnik.*

Research Institute of Geology: Sofia, Boul. G. Dimitrov 22; f. 1959; Dir. J. JOVČEV; publ. *Izvestija.*

Research Institute of Mining: Stara Zagora, ul. G. Kolev 73; Dir. D. NUKOLOV; publ. *Godišnik.*

Research Institute of Non-Ferrous Metallurgy: Plovdiv; f. 1963; Dir. N. KUNČEV; publ. *Godišnik.*

Research Institute of the Rubber and Plastics Industry: Sofia, Dărveniško šose; f. 1963; Dir. A. VASILEV; publ. *Godišnik.*

Research Institute of the Silicate Industry and Building Materials: Sofia, Boul. P. Napetov 50; f. 1963; Dir. J. LAZAROV; publ. *Godišnik.*

Research Institute for Water Supplies, Sewage and Sanitary Engineering: Sofia, Boul. P. Napetov 50; f. 1960; Dir. N. ČALĂKOV; publ. *Trudove.*

Research Institute of the Textile Industry: Sofia, Boul. Bukston 3; f. 1953; Dir. K. DŽIVANOV; publ. *Trudove.*

LIBRARIES AND ARCHIVES

Direction for State Archives: 5 ul. Ždanov, Sofia; f. 1952; under the direction of the Committee for Culture and Arts; Dir.-Gen. M. ALEKSIEV; publs. *Communications des Archives d'Etat, L'Aperçu d'Archives.*

Bulgarian Union of Public Libraries: Sofia, Alabin 31; f. 1911; Pres. B. BALABANOV; publ. *Čitalište.*

Central Historical State Archives: Sofia, ul. Ždanov 5; under the Direction for State Archives; f. 1952; documents from earliest times, including remnants from the Turkish occupation, until 1944; 455,574 dossiers and library of 4,900 vols.; Dir. P. PANAJOTOV; publ. *Guide.*

Central Library of the Bulgarian Academy of Sciences with Scientific Documentation and Information Department and Scientific Archives: Sofia, ul. 7 Noemvri 1; f. 1869; there are 39 affiliated institute libraries; library contains 745,250 vols.; Dir. E. SAVOVA; publs. *Izvestija, Abstracts of Bulgarian Scientific Literature* in 9 series.

Central Medical Library: Sofia, ul. G. Sofijski 1; f. 1919; 176,000 vols. and periodicals; Dir. VERA KJULJUMOVA.

Central State Archives of the Popular Republic of Bulgaria: Sofia, ul. Slavjanska 4; under the Direction for State Archives; f. 1952; documents on state organisations after September 1944; 279,500 dossiers and library of 9,612 vols.; Dir. I. PEIKOV.

City Library of Sofia: Sofia, ul. Gurko 1; f. 1930; 384,000 vols. and periodicals; Dir. DIMITRINA PANČEVA.

District Library: Haskovo; f. 1953; 120,000 vols.; Dir. L. ILIEVA.

District Library "Hristo Smirnenski": Pleven; f. 1954; 116,000 vols.; Dir. L. DONČEV.

"G. Pavlov" Veterinary Medical Institute Library: Sofia, Boul. Lenin 55; f. 1953; 43,000 vols.; Dir. L. HRISTOVA.

"Karl Marx" Higher Institute of Economics Library: Sofia Rakovska 114; f. 1921; 95,000 vols.; Dir. M. ALEKSIEVA

Military Historical Archives: Sofia, Skobelev 23; f. 1915.

Sofia City and District State Archives: Sofia, ul. Vitoša 2; f. 1952; 146,000 dossiers; Dir. E. DIMITROV.

There are 26 District State Archives in each of the district centres.

District Library: Burgas; f. 1889; 170,000 vols. and periodicals; Dir. I. NEDEVA.

Čitalište, "Iskra" Library: Kazanlăk; f. 1856; 117,000 vols. and periodicals; Dir. TODORA ARNAUDOVA.

Distri:t Library: Kolarovgrad (formerly Šumen); f. 1922; 275,000 vols. and periodicals; Dir. TONČO ANGELOV.

District Library: Ruse; f. 1891; 214,000 vols. and periodi cals; Dir. N. GANČEV.

District Library: Tirnovo; f. 1922; 257,000 vols. and periodicals; Dir. VASIL GLADILOV.

District Library: Varna; f. 1883; 263,000 vols. and periodicals; Dir. KĂNČO NAIDENOV.

Library of the Agricultural Institute: Sofia, Boul. Dragan Cankov 8; f. 1921 as branch of the University Library; 105,000 vols. and periodicals; Dir. K. ANGELOV.

Library of the Technological Institutes: Sofia, Boul. Dragan Cankov 2; f. 1942; 182,000 vols. and periodicals; Dir. PAVLINA ARMENKOVA.

National Library "Ivan Vazov": Plovdiv; f. 1882; 512,000 vols. and periodicals; Dir. STOJAN INDŽEV.

"Kiril i Metodi" National Library: Sofia, Boul. Tolbuhin 11; f. 1878; 851,125 vols., 4,918 MSS., 12,944 old and rare publications, 36,100 maps, prints and portraits, 27,463 vols. music and records, 687,918 archives; Depts.: acquisition and exchange; cataloguing; lending, reference; MSS. and rare books; Bulgarian historical archives; Orientalia; music; maps, prints, portraits, microfilms; depository copy; current bibliography; retrospective bibliography; select and special bibliography; Bulgarica and Balkanica; interlibrary loans; book preservation and restoration laboratory; microfilm and photo-laboratory; bindery and printing press; largest public scientific library in Bulgaria; Research Institute in library science, bibliography and book science; Dir. ORLIN VASILEV; Deputy Dir. KONSTANTINKA KALAIDŽIEVA; publs. *Bulgarski knigopis* (National Bibliography of Bulgaria), *Letopis na periodičnija pečat* (Select Bibliography of Articles), *Izvestija*, *Bibliotekar* (monthly), *Bulletin of the New Accessions in foreign languages* (in 4 series, monthly).

District Library: Stara Zagora; f. 1955; 130,000 vols. and periodicals; Dir. A. DOBREVA.

Sofia University Library: Sofia, Boul. Ruski 15; f. 1888; 690,000 vols.; Dir. N. CERVENKOV; publs. *Catalogues of the Library Organisation*, *Bibliography of Sofia University*, *Bibliography of Dissertations presented at the Universities in Bulgaria*.

District Library: Jambol; 47,000 vols. and periodicals; Dir. MINČO BELJANOZOV.

MUSEUMS AND ART GALLERIES

Sofia

Alexander Stambolisky Museum: Sofia; f. 1956; exhibits illustrating the life of Stambolisky (1879–1923); documents relating to the Agrarian Union Government of 1920–23 and to the Peasant Uprising in Pazardjik led by Stambolisky.

Archæological Museum of the Holy Synod: Sofia, 19 Lenin Square; Dir. D. PANDURSKI.

Central People's Army Museum: Sofia, 23 Boulevard Skobelev; f. 1918; exhibits relating to Bulgaria's military history from the earliest days; Dir. Prof. M. MIHOV.

Christo Smirnensky Museum: Sofia; the house of the poet Smirnensky (1898–1923); manuscripts of poems, letters, photographs, magazines.

Dimiter Blagoev Museum: Sofia, 34 L. Kossuth Street; the house in which Blagoev, founder of the Communist Party in Bulgaria, lived from 1905 to the end of his life; important documents from the period 1887–90 when Blagoev was the Director of the Skobelev High School; also many personal belongings and a portrait of Blagoev by Eugenia Georgieva; Dir. Z. ULZARI.

Georgi Dimitrov Central Museum: 1 Gourko Street, Sofia; f. 1953; not yet open to the public; Dir. MARIA SOUKMANDJIEVA.

Georgi Dimitrov Museum: Sofia, Opaltschenska Street 66; f. 1951; the house in which Dimitrov, distinguished leader of the Communist Party, lived from 1886 to 1923; furniture and personal belongings, his library and political documents; Dir. NADEJDA SIMEONOWA.

Museum of Sofia's History: Sofia, 27 Exarch Yossif Street; f. 1953; Dir. S. IGNATIEVSKI.

Museum of the Revolutionary Movement of Bulgaria: Sofia, 11 Narodno Sabrañié Square; f. 1947; Dir. M. PANEV.

Museum of the Zoological Institute of the Bulgarian Academy of Sciences: Sofia, Boul. Russki; formerly Natural Science Museum; f. 1889; Dir. Dr. G. PASPALEV.

National Archæological Museum (attached to the Bulgarian Academy of Sciences): Sofia, Boul. Stamboliiski 2; f. 1878; Dir. Corresp. mem. Prof. D. P. DIMITROV; publs. *Izvestija*, *Monographs*.

National Art Gallery: Sofia, 6 Moskovska Street; f. 1948; representative collection of national art and foreign art; br. in Cathedral Alexandre Nevsky (museum for ikons and applied arts); Dirs. NICOLAI SCHMIRGELA, A. BOSHKOV.

National Ethnographical Museum (attached to the Bulgarian Academy of Sciences): Sofia, Moskovska 6A; f. 1906 (re-formed 1949); ethnography and folklore; Dir. Prof. Dr. H. GANDER.

Nikola Vaptzarov Museum: Sofia, 37 Angel Kunchev Street; f. 1953; the house in which the poet and revolutionary Vaptzarov (1909–42) spent his last years; personal belongings and documents illustrating his life and work; manuscripts of all his poems, his complete library and many pictures; Dir. DORA STOYANOVA.

Vassil Kolarov Museum: Sofia, Assen Zlatarov Street 5; f. 1956; the house in which Kolarov lived; many of the rooms have been completely restored and contain valuable paintings, documents and other objects illustrating Kolarov's importance as a builder of the Communist Party in Bulgaria.

Provinces

Tzanko Tzerkovsky Museum: Biala Tcherkova, Tirnovo District; pictures and documents illustrating the life and work of the poet and prominent member of the Agrarian People's Union.

National Museum: Bourgas; f. 1925; Dir. GORO GOROV.

National Museum: Kazanluk; f. 1901; Dir. G. TABAKOVA.

Georgi Benkovsky Museum: Koprivshtitza; the house where Benkovsky (1844–76) was born; pictures, documents and many other objects illustrating the life of this revolutionary and leader of the 1876 April uprising.

Lajos Kossuth Museum: Kolarovgrad; f. 1949; the 19th century house in which Kossuth lived in exile from November 1849 to February 1850 after the defeat of the 1848 Hungarian Revolution.

Luben Karavelov Museum: Koprivshtitza; the house in which the poet and revolutionary Karavelov (1837–79) lived; exhibits relating to his life and work.

Stanislav Dospevsky Museum: Pazardjik; the house where the painter Dospevsky lived and worked (1860-1877); many pictures, icons and documents illustrating particularly the importance of Dospevsky as a portrait painter; Curator K. GHENTCHEFF.

Museum of Military History: Pleven, 157 G. Dimitrov Street; Dir. N. BOSHNAKOV; seven branches.

National Museum: Pleven; f. 1953; historical exhibits.

Art Gallery: Plovdiv, 15 Vassil Kolarov Street; Dir. SPAS ZAGOROV.

Museum of the Revolutionary Movement: Plovdiv, 14 A. Boukoureshtliev Street; Dir. I. TERSIJSKI.

National Archæological Museum: Plovdiv; 1 Suedinenié Square; f. 1882; four departments: Prehistoric, Classical, Medieval and Numismatic; Dir. CHR. DJAMBOV.

National Ethnographical Museum: Plovdiv, 2 Dr. Chomakov Street; Dir. I. STANEV.

Natural Science Museum: Plovdiv, 34 General Zaimov Street.

District Museum: Rousse; f. 1904; Dir. I. RADKOV.

District Museum: Sliven; Dir. G. SLAVOV.

Georgi Milev Museum: Stara Zagora; f. 1953; the house in which Milev's family lived; exhibits illustrating the life of the distinguished literary and art critic (1895–1925)

District Museum: Stara Zagora; f. 1907; Dir. DIMITER NIKOLOV.

P. K. Yavarov Museum: Chirpen, Stara Zagora District; f. 1954; the house where the poet Yavarov was born; the rooms have been completely restored and contain exhibits showing his life and work.

National Museum: Varna; Dir. KOSTA STOYANOV; publ. *Bulletin du Musée National à Varna.*

District Museum: Vidin; Dir. Y. ATANASSOVA.

District Museum: Vratsa; Dir. K. VODENICARSKI.

District Museum: Yambol; archæological and historical exhibits; Dir. V. DACEVA.

Iordan Yovkov Museum: Zheravna, Kotel District; a small museum in the house of Yovkov (1880–1937), the eminent Bulgarian writer.

UNIVERSITY

SOFIISKI UNIVERSITET "KLIMENT OHRIDSKY"

(University of Sofia)

BOULEVARD RUSKI 15, SOFIA

Founded 1888 as High School; granted charter 1909.

Rector: Prof. D. KOSSEV.

Pro-Rectors: Prof. M. BORISOV, Prof. C. IVANOV, Prof. N. POPOV.

Secretary: K. TARGOVSKA.

Library: *see under* Libraries.

Number of students: 7,248 men, 9028 women, total 16,276.

DEANS:

Faculty of Philosophy and History: Prof. G. HRUSANOV.

Faculty of Letters: Prof. ST. STOJKOV.

Faculty of Mathematics: Prof. A. MATEEV.

Faculty of Physics: Dr. T. ZLATEV.

Faculty of Chemistry: Dr. AL. SPASOV.

Faculty of Biology: Prof. B. KITANOV.

Faculty of Geology and Geography: Prof. L. DINEV.

Faculty of Law: Prof. B. SPASOV.

PROFESSORS:

Faculty of Philosophy and History:

ANGELOV, D., Byzantine History
ATANASOV, Z., Pedagogics
BANKOV, A., Logic
BOROV, T., History and Organisation of Soviet Archives; Library Science and Bibliography
BURMOV, AL., Bulgarian Medieval History
ČAKAROV, N., Pedagogics
DANOV, HR., Ancient History
DIMITROV, D., Archæology
GANDEV, HR., General History
HRISTOV, H., Bulgarian History
HRUSANOV, G., Pedagogics
JANČEV, R., Principles of Marxism-Leninism
KOSEV, D., Contemporary Bulgarian History
PIRJOV, G., Child Psychology; Psychology of Teaching
VASILEV, K., Historical Materialism
VLAHOV, T., Modern History

Faculty of Letters:

ANDREJČIN, L., Modern Bulgarian
BORŠUKOV, G., History of Bulgarian Press after the Liberation
DILEVSKI, N., Russian Language
DINEKOV, P., Bulgarian Literature
DURIDANOV, I., Linguistics
GEORGIEV, E., Slavonic Literature
GEORGIEV, VL., Linguistics
GEROV, B., Classical Philology
KUEV, K., Slavonic Literature
LEKOV, I., Elementary Slavonic Philology
MIHAJLOV, G.
MINKOV, M., English Phonetics, Composition, Literature; History of English, Gothic Language
MIRČEV, K., Old Bulgarian; Historical Bulgarian Grammar
OGNJANOV, L., German Literature
PECHEV, A., History of Ancient and West European Literature
POPOV, K., Modern Bulgarian
ROMANSKA, C., Slavonic Ethnography
RUSAKIEV, S., Russian Literature
STANČEV, ST., Theory and Practice of the Press
STOJKOV, ST., Bulgarian Dialectology; Modern Bulgarian
TOMOV, J., Spanish Philology
VANKOV, L., French Language
VELČEV, V., History of Russian 19th-Century Literature
VESELINOV, G., Bulgarian Literature
ZAREV, P., Literary Criticism

Faculty of Mathematics:

DACEV, A., Physics; Contemporary Theory of Physics
DOLAPČIEV, BL., Analytical Mechanics; Kinetics; Statistics and Dynamics
DŽAKOV, EM., Electrology
HRISTOV, HR., Electrodynamics and Optics; Mathematical Physics
ILIEV, L., Differential Equations; Arithmetic; Advanced Analysis
MATEEV, A., Projective Geometry
PETKANČIN, B., Analytical and Differential Geometry; Principles of Mathematics
TAGAMLICKI, J., Differential and Integral Calculus

Faculty of Physics (f. 1963):

BONEV, N., Astronomy, Astrophysics
BORISOV, M., Experimental Physics
DACEV, A., Physics; Contemporary Theory of Physics
DŽAKOV, E., Electrology
HRISTOV, HR., Electrodynamics and Optics; Mathematical Physics
KAEV, H., Radiophysics of Hyperfrequency
KRASTANOV, L., Dynamic Meteorology

Faculty of Chemistry:
Bliznakov, G., Mineral Chemistry
Kaisev, R., Physiochemistry
Kurtsev, B., Chemical Structure of Organic Compounds
Penčev, N., Analytical Chemistry
Seludko, A., Colloidal Chemistry

Faculty of Biology (f. 1963):
Gunčev, Z., Principles of Agriculture
Jordanov, D., Classification and Geology of Plants
Kitanov, B., Botany
Vozarev, K., Zoology

Faculty of Geology and Geography (f. 1963):
Bončev, E., Stratigraphic Geology; Geotectonic; Geology of Bulgaria; Geological Cartography
Cankov, V., Paleontology; Micropaleontology; Biostratigraphy
Dimitrov, C., Geology
Dinev, L., Economic Geography
Galabov, Ž., General Geomorphology; Physical Geography; Geography of Bulgaria
Kostov, I., Crystallography
Penčev, P., General Hydrology
Penkov, I., Economic Geography of Bulgaria

Faculty of Law (f. 1892):
Andreev, M., History of Bulgaria; Bulgarian Law
Angelov, A., Administrative and Fiscal Law of the Bulgarian People's Republic; Criminology
Kamenov, E., Political Economy
Kožuharov, A., Civil Law of the Bulgarian People's Republic
Kutikov, V., Public and Private International Law; Constitutional Law of Bourgeois States; Forensic Medicine and Psychiatry
Nenov, I., Penal Law of the Bulgarian People's Republic
Pavlov, S., Penal Procedure of the Bulgarian People's Republic
Radoilski, L., Labour Law of the Bulgarian People's Republic
Spasov, B., Constitutional Law of the Bulgarian People's Republic
Stalev, Z., Civil Procedure of the Bulgarian People's Republic
Totev, A., Theory of Statistics; Legal Statistics
Vasilev, L., Civil Law of the Bulgarian People's Republic; Law of Co-operatives and Collective Farms
Zahariev, V., Theory of the State and Law

HIGHER INSTITUTES

HIGHER INSTITUTE OF AGRICULTURE "GEORGI DIMITROV"

SOFIA, DR. TZANKOV BOUL. 8

Founded as an independent Institute 1953.

Rector: Prof. S. Radučev.
Vice-Rectors: E. Lazarov, T. Todorov.

Number of teachers: 285.
Number of students: 4,390.
Library: *see under* Libraries.
Publication: *Naučni trudove.*

DEANS:

Faculty of Agriculture: Prof. A. Kalojanov.
Faculty of Zootechnics: Prof. I. Georgiev.

PROFESSORS:

Faculty of Agriculture:
Christov, A.
Popov, A.
Lazarov, A.
Popov, V.
Kojnov, V.
Genčev, G.
Valkov, D.
Kovačev, D.
Levensson, E.
Stoičkov, J.
Konstantinov, L.
Bachnev, J.
Stoev, K.
Christov, M.
Kolev, Nikola.
Georgieva, Raina.
Radučev, S.
Minkov, M.
Kojedzhikov, C.

Faculty of Zootechnics:
Eftimov, B.
Dimov, D.
Pavlov, K.
Ivanov, N.
Dimov, Nikola.
Pavlov, P.
Radomirov, P.
Hadžidimitrov, P.
Dimitrov, P.
Ivanov, P.
Tatarov, B.
Kumanov, S.
Balevska, Rada
Russev, V.

HIGHER INSTITUTE OF AGRICULTURE "VASSIL KOLAROV"

PLOVDIV, RUE BULAIR 14

Founded as an independent Institute 1950.

Rector: Prof. M. Kondarev.
Vice-Rectors: I. Văzvăzov, Prof. V. Gruer.

Number of teachers: 122.
Number of students: 2,624.

DEANS:

Faculty of Agriculture: Doc. G. Staikov.
Faculty of Horticulture and Viticulture: Prof. T. Miortazov.

PROFESSORS:

Derimanov, M., Entomology
Dimitrov, S., Botany
Jotov, J., Agriculture
Kacarov, A., Agricultural Engineering
Kirjakov, K., Plant Physiology
Koinov, G., Plant Breeding
Maknev, H., Animal Husbandry
Marinov, M., Agricultural Melioration
Stančev, L., Agricultural Chemistry
Tenev, P., Viticulture
Velkov, V., Fruitgrowing

INSTITUTE OF BUILDING ENGINEERING

BOUL. C. SMIRNENSKI 1, SOFIA

Telephone: 6-17-71.

Founded as an independent Institute 1953.

Rector: Prof. Dr. Ing. I. C. Gadzălski.
Vice-Rector: Doc. M. N. Brainov.

Number of teachers: 280.
Number of students: 4,000.

DEANS:

Faculty of Building Engineering: Doc. Ing. T. Curinski.
Faculty of Hydro-Technical Engineering: Doc. Ing. I. S. Kinarev.
Faculty of Architecture: Doc. A. Dorosiev.
Faculty of Geodesy: Prof. A. Jončev.

PROFESSORS:

Baluschev, B.
Bojanov, P.
Brankov, G.
Christov, V.
Colakov, Z.
Damianov, A.
Delibascher, A.
Gadjalsky, H.
Groner, K.
Ivanov, G.
Jončev, V.
Kolev, B.
Kolev, S.
Kondarev, Nikola
Lazarov, V.
Markovsky, P.
Martchinkov, B.
Micěr, M.
Pelvsky, V.
Popov, A.
Popov, C.
Popov, I.
Radoslavov, T.
Raikov, A.
Stantchev, S.
Stoickov, A.
Stoilov, V.
Stoitchev, D.
Stojanov, B.
Tasev, P.
Tcholskov, S.
Tonev, L.
Tzolov, D.
Usunov, Nikola
Varbanov, C.
Varbanov, D.
Velev, D.

INSTITUTE OF CHEMICAL TECHNOLOGY

SOFIA, 56 DARVENITZA

Founded as an independent Institute 1953.

President: Doc. Dr. K. Kaischev.
Vice-Presidents: Prof. D. Elenkov, Doc. M. Marinov.

Number of teachers: 290.
Number of students: 6,913.

DEANS:

Faculty of Organic Technology: Prof. Ž. Tcholakov.
Faculty of Inorganic Technology and Metallurgy: Prof. D. Ivanov.

HIGHER INSTITUTE OF ECONOMICS AND FINANCE

SVISHTOV

Founded 1936.

Rector: Prof. Dr. V. NANKOV.
Vice-Rector: Doc. D. SPASOV.
Librarian: NIKOLA A. HALACHEV.

The library contains 77,320 volumes.
Number of teachers: 69.
Number of students: 1,850.

DEANS:

Faculty of Finance: Doc. I. DOČEV.
Faculty of Book-Keeping: Prof. P. MASTIKOV.

PROFESSORS:

GAVRIJSKI, V., Insurance
KACAROV, I., Insurance
MASTIKOV, P., Planning
NANKOV, V., Book Keeping
PAVLOV, V., Book Keeping
RUSENOV, M., Finance

HIGHER INSTITUTE OF ECONOMICS "KARL MARX"

SOFIA, RUE RAKOVSKI 114

Founded 1920.

Rector: Prof. A. ČAUŠEV.
Vice-Rector: Doc. S. CANKOV.
Librarian: MARIA ALEKSIEVA.

The library contains 80,000 volumes.
Number of teachers: 121, including 21 professors.
Number of students: 5,000.

DEANS:

Faculty of General Economics: Prof. H. MARINOV.
Faculty of Special Economics: Prof. H. KALIHAROV.

INSTITUTE OF ELECTRICAL AND MECHANICAL ENGINEERING

RUE DU 19-FEVRIER 1, SOFIA

Founded as an independent Institute 1953.

Rector: Prof. Dr. G. D. BRADISTILOV.
Vice-Rectors: Prof. V. M. GEROV, Doc. A. I. ATANASOV, Doc. J. B. DIMITROV.

Number of teachers: 780.
Number of students: 12,649.

DEANS:

Faculty of Electrical Engineering: Doc. P. M. WLATCHKOV.
Faculty of Heat Engineering and Machine Building: Doc. D. S. VALKOV.
Faculty of Technology of Machine Building: Doc. V. D. RADEV.
Faculty of Electronics and Radio Engineering: Doc. C. D. SHINEV.
Faculty of Communication and Transport: Doc. H. ŠINEV.

INSTITUTE FOR ELECTRIFICATION AND MECHANISATION OF THE CO-OPERATIVE FARM

ROUSSÉ, RUE ALEITE 3

Founded 1954.

Rector: Doz. Dipl. Ing. E. DANKOW.
Vice-Rector: Prof. Dipl. Ing. M. TODOROV.

HIGHER INSTITUTE FOR FOOD INDUSTRY

PLOVDIV, BOUL. LENIN 26

Founded as an independent Institute 1953.

Rectors: Dr. M. BEŠKOV, D. ATANASSOV.
Vice-Rector: Dr. E. ARISTOV.

Number of teachers: 128.
Number of students: 1,766.

HIGHER INSTITUTE OF FORESTRY

SOFIA, DARVENITZA

Founded as an independent Institute 1953.

Rector: Prof. Dr. A. BIOLCHEV.
Number of teachers: 88.

PROFESSORS:

BIOLCHEV, A.
DUHOVNIKOV, JU.
DAKOV, M.
GANČEV, A.
HRISTOV, ST.
RUSKOV, M.
TCHERNAEV, P.
TODOROV, N.
TOŠEV, B.
VENEDIKOV, M.
ZAHARIEV, B.

HIGHER MEDICAL INSTITUTE "I. P. PAVLOV"

PLOVDIV, 7 V. MARKOV ST.

Founded 1945.

Rector: Prof. T. ZAHARIEV.
Registrar: P. PETROV.
Librarian: E. GJULEVA.

Number of teachers: 222.
Number of students: 1,538.
Publication: *Folia Medica.*

PROFESSORS:

BATCHVAROV, B., Dermatology
BOSHEV, N., Physiology
BRATOVANOV, D., Epidemiology
DIMITROV, D., Phthisiology
DIMSHEV, D., Hygiene
GEORGIEV, I., Histology, Embryology
HADJISTAMOV, B., Orthopædics and Traumotology
HAJDUDOV, L., Hospital Surgery
IVANOVA, D., Physics
JANEV, E., Microbiology
JANKOV, M., Biology
JURUKOV, B., Internal Medicine
KOEN, E., Opthamology
LAMBREV, L., Obstetrics and Gynæcology
MANOLOV, N., Medical Sanitary Defence
MARKOV, S., Chemistry
MILENKOV, H., Pathology
MISHEV, P., Clinical Surgery
MIRONOV, P., Therapy
MITEV, I., Biochemistry
MITOV, A., Propædeutics of Internal Medicine
PEJCEV, P., Pharmacology
STANISHEV, D., Normal Anatomy
TASKOV, B., Infectious Diseases
TOSHEV, J., Propædeutics of Surgery
VAPCAROV, I., Pediatrics
VALKOV, T., Obstetrics and Gynæcology
VLAHOV, K., Radiology and Röntgenotherapy
ZAHARIEV, T., Social Hygiene
ZAPRJANOV, T., Neurology and Neurosurgery

HIGHER INSTITUTE OF MEDICINE

SOFIA, GEORGI SOFIISKI 1

Telephone: 5-18-11.

Founded 1918.

Rector: Prof. R. RADANOV.
Vice-Rectors: Prof. I. PETKOV, Prof. I. TEMKOV.
Librarian: VERA KJULJUMOVA.

Number of teachers: 394.
Number of students: 4,180.
Publication: *Travaux de l'Institut Médical Supérieur de Sofia.*

DEANS:

Faculty of Medicine: Prof. L. TOMOV.
Faculty of Stomatology: Doc. T. HRISTOV.
Faculty of Pharmacy: Doc. I. ISAEV.

PROFESSORS:

BAEV, B., Hospital Surgery
BALABANOV, K., Dermatology
BARDAROV, S., Microbiology
BOICHINOV, A., Pharmacognosy
BOIKIKEV, S., Rhinolaryngology
BOJANOV, B., Orthopædic Stomatology
DALEV, D., Pharmaceutical Chemistry
DAVIDOV, S., Surgical Stomatology
GOTZEV, T., Physiology
HADJIOLOV, A., Histology
IONKOV, I., Propædeutics of Internal Diseases
JIVKOV, E., Opthalmology
KADANOV, D., Anatomy
KAPITANOV, G., Surgical Propædeutics
KARABASHEV, NIKOLAI, Medical Physics
KARDJIEV, B., Pathological Anatomy
KIROV, I., Infectious Diseases
KOICHEV, B., Biochemistry
MARKOV, M., Forensic Medicine
NIKOLAEV, A., Röntology
PANEV, A., Health Organisation
PASKOV, D., Parmacology
PISAREV, S., Pathophysiology
POPIVANOV, R., Biology
POPOV, G., Faculty Surgery
PUHLEV, A., Hospital Therapeutics
RACHEV, L., Pediatrics
RADANOV, R., Phthisiology
RASHEV, M., Internal Diseases
SLAVKOV, B., Hygiene
SPASOV, A., Medical Chemistry
STARKALEV, ILIA, Obstetrics and Gynæcology
STRANSKI, D., Orthodentics
SUKAVOV, D., Therapeutic Stomatology
TRENDAFILOV, T., Inorganic and Analytical Chemistry
UZUNOV, G., Psychiatry
VEKILOV, G., Scientific Philosophy

INSTITUTE OF MINING AND GEOLOGY

SOFIA, DARVENITSA

Telephone: 6-22-14.

Founded 1953.

Rector: Prof. H. POPYORDANOV.
Vice-Rector: Doc. A. DEMIREV.
Librarian: PAVLINA ARMENKOVA.

Number of teachers: 173.
Number of students: 1,752.

DEANS:

Faculty of Mining: Doc. K. SEIRETOV.
Faculty of Geology: Doc. H. ANTONOV.

HIGHER INSTITUTE OF NATIONAL ECONOMY "DIMITR BLAGOEV"

VARNA, BOUL. "LENIN" 77

Founded 1921.

Rector: Prof. Dr. L. STANEV.
Vice-Rector: Doz. IV. VIDEV.
Librarian: I. MOOTAFOV.

Number of teachers: 86.
Number of students: 2,308.
The library contains 100,000 vols.
Publications: *Trudove, Izvestia.*

DEANS:

Faculty of Accountancy: STANISLAV HADJIEV.
Faculty of Commerce: S. TZONEV.

PROFESSORS:

GANEV, D., Economic Geography
GEORGIEV, D., Economics of Trade
GEORGIEV, G., Economics of Trade
KARKLISSIISKY, NIKOLA, Economics of Industry
RANKOV, V., Economic Planning
STANEV, L., Statistics
TELBISOV, K., Law
VELIKOV, B., Science of Commodities

HIGHER INSTITUTE OF PHYSICAL CULTURE "G. DIMITROV"

RUE TINA KIRKOVA 1

Founded 1942.

Rector: Prof. A. GHESHEV.
Vice-Rectors: Prof. P. SHTEREV, Prof. Dr. L. ILINOV.
Chief Administrative Officer: A. JANTCHEV.
Librarian: LYDIA ATCHKOVA.

Number of teachers: 158.
Number of students: 749 full-time, 953 correspondence.
The library contains 38,799 volumes.
Publication: *Trudove na VIF "G. Dimitrov"* (Works of the Higher Institute of G. Dimitrov).

HIGHER INSTITUTE OF VETERINARY SCIENCE

SOFIA, 55 LENIN BOUL.

Founded 1923.

Rector: Prof. C. ZAHARIEV.

Number of teachers: 87.
Number of students: 1,061.

SCHOOLS OF ART AND MUSIC

BULGARIAN STATE CONSERVATOIRE

SOFIA, BOUL. K. GOTVALD 11

First founded 1904; reorganised as a Conservatoire 1954.

Rector: Prof. V. AVRAMOV.
Vice-Rector: D. SAGAEV.

The library contains 32,000 volumes.
Number of teachers: 118 (including 39 professors).
Number of students: 899.

DEANS:

Faculty of Musical Theory, Composition and Conducting: G. DIMITROV.
Faculty of Instrumentation: S. DIMITROV.
Faculty of Vocal Performance: G. Z. ČERKIN.

INSTITUTE OF ART "NICOLAI PAVLOVICH"

SOFIA, RUE SIPKA 1

First founded 1896; reorganised as an Institute 1954.

Rector: Doc. A. POPLILOV.
Vice-Rector: Doc. I. MANDOV.

Number of teachers: 20.

DEANS:

Faculty of Fine Arts: Prof. P. PANAJOTOV.
Faculty of Applied Arts: Prof. A. VASILEV.

INSTITUTE OF DRAMATIC ART "KRASTJU SARAFOV"

SOFIA, RUE RAKOVSKI 108

Founded 1948.

Rector: V. KOLEVSKI.
Registrar: V. BODZILOV.
Librarian: B. TCHILINGIROVA.

There are Departments of Acting, Stage Production and History of Art.
Number of teachers: 79.
Number of students: 253.

STATE BALLET SCHOOL

SOFIA, RAKOVSKA 113

Founded 1951.

Director: N. IZOV.
Secretary: I. MARKOVA.

Number of teachers: 46.
Number of students: 156.

BURMA

Population 21,000,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Archæological Department: Ministry of Union Culture, Rangoon; revived in 1946; responsible for the maintenance of ancient monuments, epigraphical research, exploration and excavation of historical sites.

British Council, The: 67/69 Lewis Street, Rangoon; library of 21,000 vols., 429 periodicals; Rep. W. R. McAlpine.

Burma Council of World Affairs: Rangoon; objects: to promote the study of Burmese and international questions so as to develop a body of informed opinion on world affairs and Burma's position in the international scene; organises discussions, lectures, etc.; functions as the U.N. Association for Burma and is affiliated to the World Federation of U.N. Associations; Patron The Prime Minister; Pres. U Raschid; Vice-Pres. Oo Thein and Mr. Dinarath.

Burma Law Institute: Rangoon; research in Burmese Law; library.

Burma Research Society: c/o University Library, University of Arts and Science, Rangoon; f. 1910 to promote cultural and scientific studies in Burma, with special reference to their bearing on Burma and neighbouring countries; 883 mems.; 360 vols.; Pres. Prof. Aung Than; Hon. Sec. Prof. Nyi Nyi; publ. *Journal* (twice yearly).

Department of Ancient Literature and Culture: Ministry of Union Culture, Rangoon; its work includes: compilation of bibliography of Burmese books; collection, classification and preservation of published and unpublished literary works; editing of classical works for publication.

Economics Research Centre: Faculty of Social Sciences, University of Rangoon, Rangoon; conducts research into various economic aspects of the Burmese economy.

Harcourt-Butler Institute Laboratory: Rangoon; principal agency in Burma conducting research on human nutrition.

Institute of Public Administration and Management: 227-229 Boh Aung Gyaw Street, Rangoon; provides training for civil servants; library.

International Institute of Advanced Buddhistic Studies: Rangoon; a government-supported centre for research and study in Buddhism and other major religions.

Music and Musical Research Section: Ministry of Union Culture, Rangoon; standardises, notates and publishes classical songs; studies and records ancient styles of singing.

Sarpay Beikman Institute (formerly *Burma Translation Society*): 529-531 Merchant Street, and 361 Prome Road, Rangoon; f. 1947; objects: to produce, translate, publish and distribute Burmese and foreign books, thereby fostering the cultural development of Burma and encouraging research in Burmese literature and fine arts; library of 41,408 vols. (20,681 Burmese, 18751 English); Dir. U Htin Gyi.

Union of Burma Applied Research Institute: Kanbe, Rangoon; composed of the Analysis Dept., Metallurgy and Applied Geology Research Dept., Physics and Engineering Research Dept., Technical Information Centre, Instruments Dept., Applied Chemistry Research Dept., Ceramics Research Dept., Standards and Specifications Dept., Cellulose Research Dept., Atomic Minerals Dept., Pharmaceutical and Fine Chemicals Dept., Food Technology Dept. and the Union of Burma Atomic Energy Centre; Dir.-Gen. Dr. Freddy Ba Hli.

LIBRARIES AND MUSEUMS

Bernard Free Library: Rangoon.

Boyoke Aung San Museum: Rangoon; f. 1960.

British Council Library: Rangoon.

Independence Museum: Rangoon; f. 1961.

International Institute of Advanced Buddhistic Studies Library: Rangoon; 5,823 vols. in English, 2,736 vols. in Burmese, 3,459 periodicals; rare books and MSS. Division, including Pali; MSS. number 6,609; Librarian U Tin Oo.

Mon Library and Museum: Moulmein; f. 1955; collection of English and Burmese books and palm leaf MMS.; also a few Mon books; varied exhibits.

Municipal Public Library: Moulmein.

National Library, Museum and Art Gallery: Temporary address: Jubilee Hall, Pagoda Road, Rangoon; f. 1952.

National Library: 11,547 books, 11,905 pamphlets, periodicals, newspapers, prints, illustrations and publications of other government and international organisations.

National Museum: works of art, exhibits of historical and ethnographical interest.

Art Gallery: collection being assembled; frequent exhibitions. Each of these institutions will eventually be housed in a new building of its own.

State Library and Museum: Kyaukpyu; the library contains 2,358 books in Burmese and 2,722 in English; the museum contains silver coins, costumes, etc.

University of Mandalay Library: Mandalay; 45,000 vols.

University of Rangoon Library: University Estate, Rangoon; f. 1929, reorganised 1954; a total of 80,000 vols. in University and Departmental libraries; Librarian Wunna-Kyaw-Htin U Thein Han, M.A., D.L.T.

UNIVERSITIES AND COLLEGES

UNIVERSITY OF MANDALAY

MANDALAY

Founded 1958

(Formerly University College, Rangoon University; incorporating Judson College, the Medical College, the Agricultural College and Teachers' Training College.)

Chancellor: The Hon. Thado Thiri Thudhamma Dr. U THEIN MAUNG, M.A., LL.B. (Cantab.), BAR.-AT-LAW (Lincoln's Inn), LL.D. (Rangoon).

Vice-Chancellor: U KO LAY, M.SC. (London), A.I.C., D.I.C.

Museum: Exhibits of Burmese art and culture.

Number of students: 3,329.

Faculties of Arts, Science, Medicine and Agriculture; Law from 1962.

UNIVERSITY OF RANGOON

UNIVERSITY ESTATE, RANGOON

Telephone: Auto 31144

Founded 1920

Chancellor: The Hon. Prime Minister.

Vice-Chancellor: Dr. HTIN AUNG.

Rector: Dr. THA HLA.

Registrars: U MG MG SEIN (Administration), U BA THAN (Academic).

Librarian: U THEIN HAN.

Number of teachers: 887.
Number of students: 13,620.
Publication: *Calendar.*

DEANS:

Faculty of Education: U BA BWA.
Faculty of Engineering: Dr. MG MG KHA.
Faculty of Forestry: U KYI.
Faculty of Law: Dr. U MYINT.
Faculty of Medicine: Dr. U MG GALE.

The Faculties of Arts and Science and Social Science are under the direct control of the Rector.

PROFESSORS:

AYE, Dr. U (Clinical Medicine).
AYE, U TIN (Head of Translations and Publications).
BWA, U BA (Education).
HAN, U MYA (Civil Engineering).
HLAING, U Aye (Economics).
HTUN, Dr. H ZAW (Anatomy).
KAR, K. N. (Philosophy).
KHA, Dr. MG MG (Physics).
KHIN, U AUNG (Chemistry).
KYI, Dr. DAW THIN (Geography).
KYI, U (Forestry).
LAY, Dr. KO KO (Botany).
LYNSDALE, Dr. J. (Zoology).
MG, Dr. KYI (Clinical Surgery).
MIN, U MYO (English).
MYINT, U (Law).
NYI, Dr. NYI (Geology).
NYO, U KHIN (Military Science).
NYUNT, U BA (Western History and Political Science).
PAW, Dr. KYEE (Surgery).
PAW, WILLIAM (Commerce).
PEACOCK, B. A. V. (Anthropology).
SI, Dr. KHIN (Obstretrics and Gynaecology).
SUNDRUM, Dr. R. M. (Statistics).
THET, Dr. KYAW (Burmese History).
THWIN, Dr. HLA (Psychology).
TOKE, U BA (Mathematics).
TU, Dr. MYA (Physiology).
WIN, Dr. KHIN MG (Pathology).
WUN, U (Burmese).
ZAN, Dr. SHWE (Medicine).

AFFILIATED COLLEGES:

Defence Services Academy (*Degree College*): **Maymyo.**
Director: Col. KHIN NYO.
Number of students: 134.

Intermediate College: Basseir.
Principal: U KHIN NYUNT.
Number of students: 301.

Intermediate College: Kyaupyu.
Principal: U KYAW KHIN.
Number of students: 109.

Intermediate College: Moulmein.
Principal: U TOE AUNG.
Number of students: 759.

Veterinary College (*Degree College*).
Head: U PO THA SHINN.
Number of students: 39.

INSTITUTE FOR ADULT EDUCATION

PAZUNDAUNG MUNICIPAL SCHOOL BUILDING
BOTATAUNG PAGODA ROAD, P.O., RANGOON

Founded 1947

Chairman of Governing Body: Shwepaukpin U BA THANE.

Principal and Registrar: U SAN SHWE, M.A. (Cantab.), F.R.G.S.

Assistant Registrar: DAWSEIN LAT.

Number of teachers: 85 (5 professors).
Number of students: 1,500.

Provides university education for adult workers, leading to the examinations and degrees of Rangoon University.

PROFESSORS:

U SAN SHWE (English).
Dr. PO E., PH.D.(LOND), F.R.MET. SOC. (Science).
SAW MCCARTHY-GYAW, M.A.(Oklahoma) (Mathematics).
U SEIN WIN, M.A., F.R.S.A. (Burmese).
U MYA SEIN, M.A., B.L. (Pali).

STATE AGRICULTURAL INSTITUTE

PYINMANA

Two-year courses for about 125 students in agricultural teaching and extension work.

GOVERNMENT TECHNICAL INSTITUTE
MANDALAY

Number of students: 160.
Electrical, Mechanical and Civil Engineering.

GOVERNMENT TECHNICAL INSTITUTE
INSEIN

Number of students: 550.
Electrical, Mechanical, Civil and Mining Engineering.

COLLEGE OF TECHNOLOGY
RANGOON

Civil, Mechanical and Electrical Engineering.

BURMA INSTITUTE OF TECHNOLOGY
RANGOON

Founded 1961

The Institute has been built up with Russian aid and the loan of 10 professors and lecturers.

COLLEGES OF ART AND MUSIC

STATE SCHOOL OF FINE ARTS
RANGOON

Founded 1952

The School is under the direct control of the Ministry of Union Culture.

Courses, which are usually for two years, can be taken in Drawing, Commercial Art, Sculpture and Fine Art. Advanced courses can be followed in a third year.

STATE SCHOOL OF MUSIC AND DRAMA
RANGOON

Founded 1952

The School is under the direct control of the Ministry of Union Culture.

Courses, normally lasting two years, can be taken in Burmese Harp, Piano and Xylophone, Burmese Dancing (Male and Female), Singing of Burmese Classical Songs, String Instruments, Universal Music Notes, Burmese Verse, the Oboe and Orchestral Music.

STATE SCHOOL OF FINE ARTS, MUSIC AND DANCING
MANDALAY

Founded 1953

Principal: U SEIN NYUNT, W.K.H.

Department of Fine Arts: 2- and 3-year courses.
Instructors: U KAN NYUNT (Drawing), U AYE KYAW (Commercial Art), U CHIT MYE (Fine Art), U KYAW NYEIN (Sculpture).

Department of Music and Drama: 2- and 3-year courses.
Instructors: U MYINT THEIN, A.K.S. (Xylophone), DAW KHIN MAY (Burmese Harp), DAW THAUNG, W.K.H. and U MYA THWIN (Dancing), U BA CHIT (Burmese Orchestra), U HTOO and DAW HLA LAY SEIN (Singing), U CHIT HTWAY (String Instruments), U ON MAUNG (Piano), U KYAW DIN (Music Notes), U MYA THAUNG (Oboe).

BURUNDI

Population 2,393,724

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Institut des Sciences Agronomiques du Burundi (ISABU): B.P. 795, Bujumbura; f. 1962; applied agronomical research and farm management; Dir.-Gen. A. FOCAN.

Medical Laboratory: Bujumbura; devoted to clinical analyses and physio-pathological research; nutritional studies.

Service Météorologique de Bujumbura: Bujumbura; Dir. M. H. AREND.

LIBRARIES

Library of the University: Bujumbura; f. 1961; 8,000 vols.; Librarian F. LEROY.

U.S. Information Service Library: Bujumbura.

MUSEUM

Musée du Pays du Burundi: Kitega.

UNIVERSITY

UNIVERSITÉ OFFICIELLE DE BUJUMBURA

B.P. 1550, BUJUMBURA

Telephone: 3288

Founded 1960, name changed from Centre Universitaire Rumuri 1964

Rector: W. DEROUAU.
Registrar: F. UYTTERSPROT.
Librarian: F. LEROY.

Number of teachers: 37.
Number of students: 160.

DEANS:

Faculty of Philosophy and Letters: A. VERBRUGGHE.
Faculty of Economic and Social Sciences: R. ROUSSEAUX.
Faculty of Sciences: F. DEBOT.

PROFESSORS AND CHARGÉS DE COURS:

COUPEZ, A. (African Linguistics and Literature).
CRAHY, F. (Philosophy)
DEBOT, F. (Physics).
DECAUD, J. (Physiology).
DE CLERCK, L. (Common Law).
DEHOUSSE, M. (Mathematics).
DELCAMBE, L. (Biochemistry).
DELVAUX, A. (Chemistry).
DENIS, J. (Geography).
DEREINE, CH. (History).
DEROUAU, W. (Classics).
GENGOUX, J. (Literature).
KOLA, K. (Anatomy).
LEROY, F. (Classics).
PAULUS, J. (Psychology).
ROUSSEAUX, R. (Economics).
VAN DE VYVER, A. (Civil Law).
VERBRUGGHE, A. (Roman Law).

INSTITUTES

Technical School: Bujumbura; f. 1949; training apprentices, craftsmen and professional workers; four workshops; mechanics, masonry, carpentry, electrical assembling; 450 students.

Institut des Arts, Commerce et Métiers: Bujumbura; evening courses in book-keeping, stenography, English, French, music.

Centre Social et Educatif d'Usumbura: Bujumbura; f. 1957; courses in book-keeping, photography, electricity; 150 students.

CAMBODIA

Population 5,937,000

LEARNED SOCIETIES

Alliance Française: Phnom-Penh; Sec.-Gen. A. Roux.

Association des Amis du Lycée Bouddhique Preah Suramarith (*Samakum mitt buddhika vidyalay Preah Suramarith*): Wat Langka, Phnom-Penh; f. 1961; to encourage and develop the study of Pali and Cambodian.

Assocation des Bouddhistes du Cambodge (*Buddhika samakum Kampuchea ratth*): Phnom-Penh; f. 1952; affiliated to the World Buddhist Association; publ. *La Lumière Bouddhique*.

Association des Ecrivains Khmers: Phnom-Penh; f. 1962; for the encouragement of writers and the development of literature in the Khmère language; Pres. M. Hell Sumpha.

Institut Bouddhique: Phnom-Penh; f. 1930; Buddhist studies and the Khmère culture; publs. *Dictionnaire Cambodgien* and numerous bulletins.

LIBRARIES

American Library: Phnom-Penh; attached to the U.S. Embassy.

Bibliothèque de l'Institut Bouddhique: Phnom-Penh; books and MSS. in French, English, Thai, Burmese, Singhalese, Chinese, Tibetan, etc.; also documents in Cambodian and Pali on Buddhism and Cambodian folklore; 30,000 vols.

Bibliothèque du Centre Culturel de l'Alliance Française: Phnom-Penh.

Bibliothèque du Centre Royal de Documentation et d'Edition: Phnom-Penh.

Bibliothèque Nationale: Phnom-Penh; 31,000 vols., periodicals, national deposit library; Dir. Kim Khouan.

Bibliothèque Royale: Phnom-Penh.

Bibliothèque du Ministère de l'Information: Phnom-Penh.

Faculty of Law Library: Phnom-Penh.

Faculty of Medicine Library: Phnom-Penh.

Faculty of Sciences Library: Phnom-Penh.

MUSEUMS

Exposition Permanente des Réalisations du Sangkum Reastr Niyum: Phnom-Penh.

Musée de l'Armée: Phnom-Penh.

Musée de l'Institut Bouddhique: Phnom-Penh.

Musée du Palais Royal: Phnom-Penh.

Musée National: Phnom-Penh; the collection contains many specimens of the art of the ancient Khmère civilisation, items relating to the Cambodian royal dynasties, and ethnographical and ceramics sections. The archæological department includes bronzes, sculptures and steles. Stone sculpture of the 6th to the 14th centuries and wood sculpture of the 12th to the 18th centuries is represented. Two galleries are devoted to Buddhist art.

UNIVERSITY

UNIVERSITÉ ROYALE KHMÈRE

PHNOM-PENH

Founded 1960

Faculté de Droit et des Sciences Economiques: f. 1957 by the transformation of the Institut National d'Etudes Juridiques, Politiques et Economiques; professors of the History of Law, Private Law, Public Law, Political Economy.
Dean: Prof. Gour.
Number of students: 409.

Faculté de Médecine, de Pharmacie et des Sciences Paramédicales: f. 1953 by the transformation of the Ecole des Officiers de Santé; trains Doctors of Medicine, Doctors of Pharmacy, Dentists, and Health Officers.
Number of students: 313.

Faculté des Lettres et des Sciences Humaines: f. 1961; classical literature, modern languages, philosophy, linguistics, history, geography, art and archæology.

Faculté des Sciences: f. 1961; psychology, sociology, moral sciences and human sciences.

COLLEGES AND INSTITUTES

Ecole Royale d'Administration: Phnom-Penh; f. 1956; 2-year courses in business administration, diplomacy and public service.
Director: Tim Kenn.
Director of Studies: François Perret.
Number of teachers: 28.
Number of students: 200–250.

Ecole Nationale d'Agriculture, d'Elevage et de Sylviculture: Phnom-Penh; f. 1949; Dir. Prum Tep Savang.

Ecole Nationale des Travaux Publics, du Bâtiment et des Mines: f. 1961; 4-year courses for engineers, public works consultants, etc.

Ecole Nationale des Arts et Métiers: Phnom-Penh.

Ecole Technique Supérieure: Phnom-Penh; f. 1962; 5 faculties; to be completed in 1964.

Faculté des Sciences Commerciales: 35 R.V.P. Kossamak, Phnom-Penh; f. 1965; Dean Keo Mongkry.

Institut Technique Supérieur Preah Sihanouk Raj: Phnom-Penh; f. 1963; specialising in architecture and building, mining, agricultural hydraulics, electronics and textiles.
Number of students: 52.

Lycée Bouddhique Preah Suramarit (*Buddhist College*): Phnom-Penh; f. 1955; Rector Chau Seng.

TECHNICAL COLLEGES AND SCHOOLS OF ART AND MUSIC

Collège Technique: Kompong-Cham.

Collège Technique: Battambang; f. 1963.

Lycée Agricole de Prek Leap: Phnom-Penh; f. 1964; general agriculture, fisheries, forestry, land utilisation.

Ecole Nationale des Arts: Phnom-Penh; f. 1959.

Ecole Nationale de Théâtre: Phnom-Penh.

Ecole Nationale de Musique: Phnom-Penh.

Ecole Nationale de Sculpture: Pursat.

CAMEROON

Population 4,625,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Centre Culturel Français: Yaoundé.

Centre Technique Forestier Tropical (CTFT): B.P. 832, Doula; f. 1964; forestry research; publ. *Bois et Forêts des Tropiques*.

Compagnie Française pour le Développement des Fibres Textiles (CFDT): B.P. 777; brs. at Garoua, Maroua and Kaele; textile research.

Goethe Institut: B.P. 1067, Yaoundé; f. 1960; Dir. Dr. C. V. SCHOELER.

Institut de Recherches du Coton et des Textiles Exotiques—IRCT: Section Expérimentation Cotonière du Cameroun: B.P. 22, Maroua; genetics, agronomy and phyto-sanitary defence.

Institut de Recherches Scientifiques du Cameroun (IRCAM-ORSTOM): B.P. 193, Yaoundé; Pedology, Human Sciences, Hydrology, Nutrition and Medical Entomology; work-rooms, library, three laboratories; Dir. M. R. DIZIAIN.

Institut de Recherches pour les Huiles Oléagineuses (IRHO): Douala.

Institut Français de Recherches Fruitières Outre Mer: Nyombé; research station.

Institut Pasteur: Yaoundé.

Laboratoire Interdépartemental: B.P. 4046, Douala; attached to the Ministry of Health; research on hygiene and public health matters.

Service Géographique du Cameroun: Yaoundé, avenue Mgr.-Vogt, B.P. 157; Dir. B. MARTY.

UNESCO Centre for Producing Textbooks: Yaoundé; f. 1962; set up under the African Emergency Programme; provides printing equipment, printing supplies, expert editorial and technical staff; the textbooks cover all educational levels.

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Bibliothèque de l'Institut de Recherches Scientifiques: Douala; medical books and scientific documentation.

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LEARNED SOCIETIES

ANTIQUARIANISM

Antiquarian and Numismatic Society of Montreal: Château de Ramezay, Montreal; f. 1862; 200 mems.; Pres. DONALD F. ANGUS; Recording Sec. J. D. KING; publ. *Canadian Antiquarian and Numismatic Journal of Montreal.*

ARCHITECTURE

Alberta Association of Architects, The: 318 Revillon Building, Edmonton; f. 1906; 164 mems.; Hon. Sec. D. L. SINCLAIR.

Architects' Association of New Brunswick: 13 Germain Street, St. John, N.B.; Sec. Treas. J. R. MYLES.

Architectural Institute of British Columbia: 567 Burrard Street, Vancouver 1, B.C.; f. 1914; 324 mems.; Exec. Dir. WARNETT KENNEDY; Exec. Sec. R. S. DEACON.

Newfoundland Association of Architects: 30 Waterford Bridge Road, P.O. Box 5204E, St. John; Hon. Sec.-Treas. F. NOSEWORTHY, M.R.A.I.C.; 16 mems.

Nova Scotia Association of Architects: inc. 1932; 69 mems.; Hon. Sec. M. H. F. HARRINGTON, P.O. Box 173, Halifax, N.S.

Ontario Association of Architects: 50 Park Road, Toronto 5; f. 1890; 925 mems.; Sec. JOHN D. MILLER.

Province of Quebec Association of Architects: 1825 Dorchest Boulevard West, Montreal 25; f. 1890; 809 mems.; Exec. Dir. RAYMOND F. LAGUE; publ. *Register.*

Royal Architectural Institute of Canada: Exec. Offices: 88 Metcalfe Street, Ottawa; f. 1907; 2,000 mems.; Exec. Dir. ROBBINS ELLIOTT; Sec. MAURICE HOLDHAM; publ. *Journal* (monthly).

Saskatchewan Association of Architects: 2426 Hanover Avenue, Saskatoon, Sask.; Pres. JOSEPH PETTICK; Hon. Sec.-Treas. G. R. FORRESTER.

ART

Alberta Society of Artists: 2208 Amherst Street, Calgary; f. 1931; 75 mems.; Pres. J. S. PERROTT; Sec.-Treas. M. STAPLES; publ. *Highlights* (annual).

Art, Historical and Scientific Association: City Museum and Art Gallery, Vancouver; f. 1894; 200 mems.; Pres. ALFRED D. LONG; Sec. T. H. AINSWORTH, F.R.S.A., F.R.A.I.

Canadian Arts Council: Sec. Miss LOUISE BARETTE, 3936 Parc Lafontaine, Montreal.

Canadian Society of Graphic Art: Sec. JOY BAIN, 182 Madison Avenue, Toronto.

Canadian Society of Painters, Etchers and Engravers: 18 Grenville Street, Toronto; f. 1916; 60 mems.

Canadian Society of Painters in Water Colour: 119 Glen Road, Toronto; f. 1925; 38 mems.; Sec. Mrs. MIRIAM SQUIRES.

Contemporary Art Society: 60 St. James's Street West, Montreal; f. 1939; 85 mems.; Sec. ALLAN HARRISON.

Federation of Canadian Artists: 62 Rosehill Avenue, Toronto 5; f. 1941; 1,000 mems.; Sec. H. G. KETTLE.

Maritime Art Association: f. 1935; Pres. LIONEL STRONG MONCTON, N.B.; Sec. Mrs. C. S. FREDERICTON, N.B.

Ontario Society of Artists: 407 Birchmount Road, Scarborough, Ont.; f. 1872; 78 mems.; Pres. D. MACKAY HOUSTOUN, A.R.C.A.; Sec. ROY AUSTIN.

Sculptors' Society of Canada: 59 Brenville Street, Toronto; f. 1932; Sec. SHEILA WHERRY.

ASTRONOMY

Royal Astronomical Society of Canada: 252 College Street; Toronto 2B; f. 1890 as the Astronomical and Physical Society of Toronto, assuming its present name in 1903 with the grant of a Royal Charter: 16 active centres; 2,000 mems.; Nat. Sec. Rev. NORMAN GREEN; publs. *Journal* (bi-monthly), *Observers' Handbook* (annual, December).

CHEMISTRY

Chemical Institute of Canada: 48 Rideau Street, Ottawa; 33 local stations and 10 subject divisions and 37 student chapters; 6,800 mems.; Gen. Man. and Sec. T. H. G. MICHAEL, F.C.I.C.; official publs. *Chemistry in Canada* (monthly), *The Canadian Journal of Chemical Engineering* (bi-monthly).

Society of Chemical Industry (Canadian Section): f. 1902, 350 mems.; Hon. Sec. L. A. WHEABLE; c/o Canadian Industries Ltd., 630 Dorchester Blvd., West, Montreal.

EDUCATION

Association Acadienne d'Education: Pres. Dr. JOFFRE DAIGLE, Dalhousie, N.S.; Sec. M. LUCIEN BOUDREAU, CARAQUET.

Association of Universities and Colleges of Canada: 75 Albert Street (after January 1st, 1966—127 Slater Street), Ottawa 4 (formerly Canadian Universities Foundation, the executive agency of the National Conference of Canadian Universities and Colleges); Exec. Dir. G. C. ANDREW, M.A., D.C.L.; publs. *Admission Requirements of Canadian Universities* (annual); *Academic Vacancies: Part I: Openings in Universities and Colleges*; *Part II: Openings in Universities in Developing Countries* (3 times a year); *Canadian Universities and Colleges* (annual); *Proceedings, Association of Universities and Colleges of Canada* (annual); *University Affairs* (quarterly); all published in English and French.

Canada Council for the Encouragement of the Arts, Humanities and Social Sciences: 140 Wellington Street, Ottawa 4; f. 1957; the council provides fellowships and supports organisations in the arts, humanities and social sciences; it fosters Canadian cultural relations abroad; it provides the secretariat for the national commission for UNESCO; it administers a fund to assist Canadian Universities in their building programmes in the arts, humanities and social sciences; 21 mems.; Chair. JEAN MARTINEAU; Vice-Chair. J. FRANCIS LEDDY; Dir. JEAN BOUCHER; publs. *Annual Report*, *Canada Council News* (quarterly).

Canadian Association for Adult Education: 113 St. George Street, Toronto 5; Dir. ALAN THOMAS; Program Officer DIANA J. IRONSIDE; Nat. Sec., Citizens' Forum ISABEL WILSON; publs. *Food for Thought*, *Continuous Learning*.

Canadian Education Association: f. 1891; 1,000 mems.; Exec. Sec. C. B. ROUTLEY, 151 Bloor Street West, Toronto 5, Ont.; publs. *Canadian Education and Research Digest* (quarterly), *News Letter* (9 times a year).

Overseas Institute of Canada (*L'Institut Canadien d'Outre-Mer*): 75 Sparks Street, Ottawa 4, Ont.; f. 1961 to organise Canadian assistance in education and technical services for developing countries; 2,000 mems.; Pres. Maj.-Gen. D. C. SPRY; Hon. Sec. LOUIS BÉSUKÉ; publs. *News Bulletin* (quarterly), *Film List* (quarterly), *Directory of Canadians with Service Overseas* (annually).

ENGINEERING

Canadian Council of Professional Engineers (Co-ordinating Body for 11 Provincial Licensing Bodies): Suite 401, 116 Albert Street, Ottawa; total membership of affiliated associations in Alberta, British Columbia, Manitoba, New Brunswick, Newfoundland, Nova Scotia, Ontario, Prince Edward Island, Quebec, Saskatchewan, Yukon Territory; 45,000 mems. approx.; Exec. Sec. LEOPOLD M. NADEAU, P.ENG.

Canadian Electrical Association: 320 Tramways Building, 159 Craig Street West, Montreal; f. 1889; 1,600 mems., Gen. Man. B. C. FAIRCHILD; publs. *Reports*, *Proceedings*.

Canadian Institute of Mining and Metallurgy, The: 906 Drummond Building, 1117 St. Catherine Street West, Montreal 2; f. 1898; 6,000 mems.; Sec.-Treas. C. GEROW; publs. *Bulletin* (monthly), *Transactions* (annual).

Engineering Institute of Canada: 2050 Mansfield Street, Montreal 2; f. 1887; 18,500 mems.; Gen. Sec. GARNET T. PAGE; publs. *Engineering Journal* (monthly), *Transactions* (quarterly).

FORESTRY

Canadian Forestry Association: 3285 Cavendish Blvd., Suite 655, Montreal 28, Que.; f. 1900; Pres. B. F. AVERY; Gen. Man. J. L. VAN CAMP; publ. *Forest and Outdoors* (monthly).

GEOGRAPHY

Canadian Association of Geographers: c/o Dept. of Geography, McGill Univ., Montreal; f. 1951; Pres. Prof. F. GRENIER; Sec. Dr. J. T. PARRY; publ. *The Canadian Geographer*.

The Royal Canadian Geographical Society: 488 Wilbrod Street, Ottawa 2; f. 1929; 15,000 mems.; Exec. Sec. and Ed. Maj.-Gen. W. J. MEGILL; publ. *Canadian Geographical Journal* (monthly).

HISTORY, POLITICS

Canadian Historical Association: Public Archives of Canada, Ottawa; f. 1922 to encourage historical research and public interest in Canadian history; 1,000 mems.; Sec. T. M. HUNTER; publs. *Annual Report*, *Historical Booklets*.

Canadian Institute of International Affairs: 230 Bloor Street West, Toronto 5; f. 1928; affiliate of R.I.I.A., London; 2,800 mems. in 25 branches; Pres. JOHN W. HOLMES, Sec. BRADLEY M. WEBB; publs. *International Journal* (quarterly), *Annual Report*, *Behind the Headlines*, *Contemporary Affairs*, *Monthly Report on Canadian External Relations*, *Canada in World Affairs* (every two years) and special research projects.

Canadian Political Science Association: f. 1913; approx. 1,650 mems.; Pres. Dr. W. J. WAINES; Sec.-Treas. H. C. EASTMAN, 100 St. George Street, Toronto; publ. *The Canadian Journal of Economics and Political Science*.

Nova Scotia Historical Society: Halifax; f. 1878; 350 mems.; Sec. G. T. BATES; publ. *Collections*.

Ontario Historical Society: 40 Eglinton Avenue East, Toronto; f. 1888; 700 mems.; 45 affiliated societies; Sec. Miss EDNA ASH, B.A.; publs. *Papers and Records*, *Ontario History*.

Waterloo Historical Society: Kitchener Public Library, Ont.; Sec.-Treas. Mrs. HALL.

INTERNATIONAL CULTURAL INSTITUTES

Académie Canadienne Française: f. 1944; for the promotion of the French language and culture in Canada; Founder-Dir. VICTOR BARBEAU; Sec. MICHEL BRUNET, 535 Av. Viger, Montreal; publ. *Les Cahiers de l'Académie* (annually).

British Council: 80 Elgin Street, Ottawa 4; Counsellor C. H. WILMOT, O.B.E.

Institut Canadien-Français d'Ottawa: 316 Dalhousie Street, Ottawa; f. 1852; 650 mems.; Pres. GÉRARD LEROUX; Sec. ALCIDE PAQUETTE.

Istituto Italiano di Cultura: McGregor Avenue 1200; Dir. Prof. GIUSEPPE CROSA.

Union des Alliances Françaises: 157 avenue Riverdale, Ottawa; Sec.-Gen. L. P. GAGNON.

LAW, ECONOMICS

Canadian Bar Association: The Royal Bank of Canada Building, 90 Sparks Street, Ottawa 4, Ontario; f. 1914; to promote the advancement of Science of Jurisprudence and the administration of Justice, and to encourage a high standing of Legal Education, training and ethics; 10,000 mems.; Pres. J. T. WEIR, Q.C.; Sec. R. C. MERRIAM, Q.C.; publs. *The Canadian Bar Review, The Canadian Bar Journal.*

The Canadian Institute of Chartered Accounts: 69 Bloor Street East, Toronto 5; f. 1902; professional and examining body; 13,500 mems.; Pres. D. R. LUKIN JOHNSTON; Exec. Dir. R. D. THOMAS; publs. *The Canadian Chartered Accountant* (monthly), *Annual Members Directory, Annual Report.*

LITERATURE, BIBLIOGRAPHY

Association Canadienne des Bibliothécaires de Langue Française (*Canadian Association of French Language Librarians*): 8515 Boulevard Saint-Laurent, Montreal 11, Quebec; f. 1943; a professional, cultural and Catholic organisation of libraries and librarians; Pres. R. Père C. G. ALLARD, C.S.C.; Sec. BERNARD BÉDARD.

Bibliographical Society of Canada: 32 Lowther Avenue, Toronto; f. 1946; Pres. Miss MARION E. BROWN; Sec. Treas. Mrs. R. C. JACOBSEN.

Canadian Authors' Asosciation: Room 1, Hillcrest School, 1339 Bathurst Street, Toronto 4; f. 1921; 777 mems.; Sec. Mrs. LORRIE MCLAUGHLIN; publs. *Canadian Author and Bookman, Canadian Poetry Magazine* (both quarterlies).

Canadian Library Association—Association Canadienne des Bibliothèques: 63 Sparks Street, Ottawa; f. 1946; 2,015 mems.; Pres. Miss RUBY WALLACE; Exec. Sec. ELIZABETH H. MORTON; publs. *Canadian Library, Feliciter,* etc.

International PEN: 3 Redpath Place, Montreal 25, Que.; Pres. Mrs. KATHERINE ROY.

MEDICINE

Academy of Medicine: 288 Bloor Street West, Toronto 5, f. 1907; 2,334 fellows; Sections of Medicine, Surgery; Pediatrics, Pathology, Obstetrics and Gynaecology, Ophthalmology, Oto-Laryngology, Anaesthesia, Preventive Medicine and Hygiene, Neurology, Psychiatry, Urology, Dermatology, General Practice, Orthopaedic Surgery; Hon. Sec. T. C. BROWN; Library 70,000 vols.; Librarian Mrs. A. T. JOHNSTONE, B.A.; publ. *Bulletin of Academy of Medicine, Toronto.*

Canadian Association of Optometrists: f. 1926; Pres. FRED NUTTALL; Sec. EDWARD BIRD, 36 St. Clair Avenue West, Toronto; publ. *The Canadian Journal of Optometry.*

Canadian Dental Association: 234 St. George Street, Toronto 5; f. 1902; 5,780 mems.; Sec. Dr. DON W. GULLETT; publ. *Journal.*

Canadian Medical Association: 150 St. George Street, Toronto 5; f. 1867; 13,000 mems.; Gen. Sec. Dr. A. D. KELLY; publs. *Canadian Medical Association Journal, Canadian Journal of Surgery.*

Canadian Mental Health Association: 11½ Spadina Road, Toronto 4; f. 1918; 125,000 mems.; Pres. IAN V. DUBIENSKI, Q.C., Barrister; Winnipeg, Gen. Dir. J. D. GRIFFIN, M.D.

Canadian Pædiatric Society (*Societé Canadienne de Pédiatrie*): 14 Green Avenue, St. Lambert, Montreal 23; f. 1922; 500 mems.; Pres. Dr. WILLIAM COCHRANE; Vice-Pres. Dr. L. A. CHUTE; Sec.-Treas. Dr. J. H. V. MARCHESSAULT.

Canadian Pharmaceutical Association, Inc.: 175 College Street, Toronto 2B; f. 1907; 8,000 mems.; Sec. J. C. TURNBULL; publ. *Canadian Pharmaceutical Journal* (monthly).

Canadian Public Health Association: 1255 Yonge Street, Toronto 7; f. 1910; 2,800 mems.; Pres. JACQUES GÉLINAS, M.D.; Hon. Sec. G. W. O. MOSS, M.D., D.PH.; Exec. Dir. E. J. YOUNG, M.D., D.P.H.; publ. *Canadian Journal of Public Health* (monthly).

Canadian Tuberculosis Association: Canadian Thoracic Society, 343 O'Connor Street, Ottawa; f. 1900; 1,200 mems.; Exec. Sec. Dr. C. W. L. JEANES; publs. *Annual Report, Quarterly Bulletin.*

Royal College of Physicians and Surgeons of Canada: 74 Stanley Avenue, Ottawa 2, Ontario; f. 1929; 3,074 mems. concerned with graduate and medical education; approves hospitals and training institutions; acts as examining body; Pres. Dr. WALTER C. MACKENZIE; Vice-Pres. Dr. RONALD V. CHRISTIE (Medicine), Dr. JACQUES TURCOT (Surgery); Sec. Dr. JAMES H. GRAHAM; Publs. *Regulations and Requirements of Graduate Training Relating to the Examinations of the Royal College of Physicians and Surgeons of Canada—Surgery and Surgical Specialities, Regulations and Requirements of Graduate Training Relating to the Examinations of the Royal College of Physicians and Surgeons of Canada—Medicine and Medical Specialities.*

MUSIC

Canadian Music Centre: 559 Avenue Road, Toronto 7, Ont.; for the promotion, in Canada and abroad, of music by Canadian composers; Exec. Sec. KEITH MACMILLAN.

NATURAL HISTORY

Canadian Phytopathological Society: f. 1929; Sec.-Treas. Dr. R. STACE-SMITH, Canadian Dept. of Agriculture, Research Station, 6660 N.W. Main Drive, Vancouver 8, B.C.; publ. *Proceedings* (annual).

Entomological Society of Canada: K.W. Neatby Building, Carling Avenue, Ottawa; f. 1863, name changed to Entomological Society of Ontario 1871, refounded 1951; 677 mems.; 7 affiliated regional societies; Sec. I. S. LINDSAY; publ. *The Canadian Entomologist.*

Natural History Society of Manitoba: Winnipeg; f. 1920; 200 mems.; Pres. G. S. COTTER; Sec. Gen. Mrs. A. E. AXCELL, 310 Linwood Avenue, Winnipeg 12.

Société Canadienne d'Histoire Naturelle: 4101 Sherbrook Street East, Montreal; f. 1923; 300 mems.; publs. *Tracts de la Bibliothèque des Jeunes Naturalistes* (4–8 times a year).

Société Linnéenne de Quebec: Université Laval, Quebec; f. 1929; 350 mems.; Pres. GASTON MOISAN, M.SC.

Vancouver Natural History Society: 1415 21st Street, West Vancouver, B.C.; f. 1918; Treas. E. G. BARNES; publ. *Bulletin.*

PHILOSOPHY AND PSYCHOLOGY

Canadian Philosophical Association, The (*L'Association Canadienne de Philosophie*): Philosophy Dept., University of Toronto, Ontario, London; f. 1958; to promote philosophical scholarship in Canada and to represent Canadian philosophers; 403 mems.; Pres. T. GOUDGE; Vice-Pres. J. CROTEAU; Sec. E. TREPANIER.

Canadian Psychological Association (*Société Canadienne de Psychologie*): 225 Lisgar Street, Suite 210, Ottawa 4, Ont.; f. 1939 to promote pyschological research and the practical applications of psychology in Canada; Pres. Dr. W. R. N. Blair; Sec.-Treas. Dr. Ruth Hoyt-Cameron.

SCIENCE

Association Canadienne-Française pour l'Avancement des Sciences, Inc.: C.P. 6060, Montreal 3; f. 1923; 45 societies as mems.; a federation of French-Canadian learned societies; aims to popularise Science by means of lectures, meetings, awards, publications; Pres. Jean-Jacques Lussier; Gen.-Sec. J.-M. Beauregard; publs. *Annales* (yearly), *Bulletin* (monthly), *Le Jeune Scientifique* (monthly).

Canadian Association of Physicists: c/o Dept. of Physics, McMaster University, Hamilton, Ont.; f. 1944; 1,500 mems.; Pres. Dr. P. Lorrain; Sec. Dr. A. C. Hollis Hallett; publ. *Physics in Canada* (quarterly).

Institut Scientifique Franco-Canadien: 2900 Mount Royal Boulevard, Montreal 26; f. 1926; organises lectures by French scientists and scholars for Montreal and Laval Univs; Pres. for Canada Léon Lortie; Sec. André Bachand; Chair. of Paris Cttee. Irénée Marrou.

Nova Scotian Institute of Science: P.O. Box 1522 Halifax; f. 1862; 240 mems.; Sec. Dr. E. H. Anthony; Librarian and Corr. Sec. Evelyn Campbell; publ. *Proceedings*.

Royal Canadian Institute: 191 College Street, Toronto; f. 1849; for the promotion of the physical sciences, the arts, and manufactures by research and dissemination of scientific knowledge; 2,200 mems.; Pres. R. W. Urquart; Exec. Sec. Mrs. Ruth J. Breithaupt; publ. *Transactions*.

RESEARCH INSTITUTES

Agricultural Institute of Canada: 176 Gloucester Street, Ottawa 4, Ontario; f. 1920; to organise and unite all workers in scientific and technical agriculture and to serve as a medium where progressive ideas for improvements in agricultural education, investigation, publicity and extension work can be discussed and recommended for adoption; 3,000 mems.; Pres. C. F. Bentley; Hon.-Sec. T. G. Willis; publs. *Canadian Journal of Plant Science* (quarterly), *Canadian Journal of Soil Science* (twice-yearly); *Canadian Journal of Animal Science* (twice-yearly); *Agricultural Institute Review* (bi-monthly).

Arctic Institute of North America: 3458 Redpath Street, Montreal 25, Quebec, f; 1945; to further polar research on an international basis; 202 fellows, 2,098 mems.; Chair. Dr. F. Kenneth Hare; publs. *Arctic* (quarterly), Special publications, Technical publications, *Anthropology of the North* (trans. from Russian sources) (irregular), *Arctic Bibliography* (annual).

Atomic Energy of Canada, Ltd.: 150 Kent Street, Ottawa 4, Ont.; f. 1952; research into the practical uses of atomic energy, particularly the provision of power, and to supply radio-active isotopes; Pres. J. L. Gray, M.SC.; Sec. D. Watson, M.A.

Research Stations:

Chalk River Nuclear Laboratories: Chalk River, Ont.; f. 1944; five nuclear reactors (NRU, NRX, ZEEP, Pool Test Reactor PTR and ZED-2).

Commercial Products Division: Tunney's Pasture, Ottawa 3, Ont.; f. 1946; Radio Isotopes and ancillary equipment.

Nuclear Power Plant Division: North Queen Street, Toronto 18, Ont.; f. 1958; Design, development, construction of nuclear power stations.

Whiteshell Nuclear Research Establishment: Pinawa, Man.; f. 1960; in operation July 1963.

Canadian Dental Research Foundation: 234 St. George Street, Toronto 5; f. 1920; Sec. Dr. W. G. McIntosh.

Commonwealth Institute of Social Research: P.O. Box 1274, Ottawa, Ont.; f. 1959; a centre for fundamental research in the social sciences and humanities to serve the whole Commonwealth; Pres. Dr. John E. Robbins; Exec. Sec.-Treas. Bernard Ostry.

Geographical Branch: 601 Booth Street, Ottawa; f. 1947 (Fed. Dept. of Mines and Technical Surveys); responsible for surveys and investigations of physical, economic and social geography of Canada, publication of results and preparation of geographic atlases of Canada; library 35,000 vols.; Dir. Dr. J. D. Ives; publs. *Atlas of Canada*, *Geographical Bulletin* (quarterly), *Bibliographical Series*, *Geographical Memoirs*, *Geographical Papers* and *Gazetteer of Canada*.

Humanities Research Council of Canada: f. 1943 to promote research in languages, literature, philosophy and history; 24 mems.; Sec. Dr. J. R. Kidd, 505-56 Sparks Street, Ottawa 4; publ. *Biennial Report*.

Institut du Radium: 4120 Ontario Street East, Montreal; f. 1923; Medical Dir. Dr. O. Dufresne.

Medical Research Council: National Research Building M-58, Montreal Road, Ottawa 7; f. 1960; Chair. Dr. G. Malcolm Brown, M.D., C.M., D.PHIL., M.R.C.P., F.R.C.P.(C.), F.A.C.P., F.R.C.P.; *see also* **National Research Council.**

Meteorological Service of Canada: 315 Bloor Street West, Toronto 5; f. 1839; a Branch of the Federal Department of Transport; Central Analysis Office at Dorval; main forecast offices at Vancouver, Whitehorse, Edmonton, Winnipeg, Malton, Ottawa, Dorval, Halifax, Goose, Gander; thirty-seven aviation forecast offices, and five special forecast offices; Dir. Dr. T. G. How; publs. *Daily Weather Map* (Winnipeg), *Monthly Summaries* (Toronto, etc.), *Monthly Record of Observations*, *General Summaries of Hourly Observations*, *Annual Report*, *Climatic Summaries*, *Canadian Weather Review*.

National Cancer Institute of Canada: 790 Bay Street, Toronto 2; Pres. Dr. O. H. Warwick; Exec. Dir. Dr. R. M. Taylor.

National Research Council: Ottawa 2; f. 1916; Laboratory Divisions of Biosciences, Radiation Biology, Building Research, Pure Chemistry, Applied Chemistry, Mechanical Engineering, National Aeronautical Establishment, Pure Physics, Applied Physics, Radio and Electrical Engineering ; Prairie Regional Laboratory, Saskatoon; and Atlantic Regional Laboratory, Halifax; a Medical Research Council fully responsible for policy in the field of medical research, but functioning under the general administration of the National Research Council, supports medical research in universities and affiliated institutions; Pres. B. G. Ballard, O.B.E., B.SC., D.SC., D.ENG., LL.D., F.I.E.E.E., M.E.I.C.(HON.), F.R.S.C.; Vice-Pres. Léo Marion, M.B.E., M.SC., PH.D., D.SC., LL.D., D. de L'U., F.R.S., F.R.S.C., K. F. Tupper, O.B.E., B.A.SC., S.M., D.SC., LL.D., M.E.I.C.(HON.), F. T. Rosser, B.A., M.A., PH.D., LL.D.; publs. *Canadian Journals of Biochemistry, of Botany, of Chemistry, of Earth Sciences, of Microbiology, of Physics, of Physiology and Pharmacology, of Zoology*, *NRC Review*, *Annual Report*, *NRC Research News*.

Ontario Cancer Treatment and Research Foundation: 69 Bloor Street East, Toronto, Ont.; f. 1943; Chair. J. R. H. KIRKPATRICK, D.SC.; Vice-Chair. W. G. COSBIE, M.C., F.R.C.O.G., F.R.C.S.(C.); Medical Dir. Dr. D. E. CANNELL, B.SC., F.R.C.S.(C.), F.R.C.O.G.; Sec.-Treas. J. H. BROUGHTON, B.COM., C.A.

Ontario Research Foundation: 43-47 Queen's Park, Toronto 5; f. 1928; Chair. J. D. BARRINGTON; Vice-Chair. H. G. THODE, K. F. TUPPER; Pres. W. R. STADELMAN; Sec. J. J. DARLING; Treas. K. D. KIMMERLY; Dept. of Field Services, Dir. D. R. CHRISTIE; Dept. of Industrial Biochemistry, Dir. W. C. HENRY; Dept. of Organic Chemistry, Dir. S. G. REID; Dept. of Physical Chemistry, Dir. Dr. M. H. JONES; Dept. of Materials Chemistry, Dir. W. N. B. ARMSTRONG; Dept. of Metallurgy, Dir. R. L. CAVANAGH; Dept. of Parasitology, Dir. A. M. FALLIS; Dept. of Physics, Dir. B. SCHUMACHER; Dept. of Textiles, Dir. A. C. GOODINGS; 10,300 vols. in library; publ. *Annual Report*.

Social Science Research Council of Canada: 56 Sparks Street, Suite 505, Ottawa 4; Pres. Prof. J. H. AITCHISON; Sec.-Treas. Dr. J. R. KIDD.

OBSERVATORIES

Acadia University Observatory: Wolfville, N.S.; f. 1912.

Astronomical Observatory: Quebec; f. 1854, reorganised 1941; operated by the Quebec Centre of the Royal Astronomical Society of Canada, with the co-operation of the Provincial Govt.; Dir. PAUL H. NADEAU, B.A.SC.,

David Dunlap Observatory of the University of Toronto: Richmond Hill, Ont.; f. 1935; Dir. D. A. MACRAE.

Dominion Astrophysical Observatory: Victoria, B.C.; f. 1916; 21 mems.; Dir. R. M. PETRIE, M.A., PH.D., F.R.S.C.; Sec. Miss T. THOMPSON; publs. *Publications of the Dominion Astrophysical Observatory, Contributions of the Dominion Astrophysical Observatory.*

Dominion Observatory: Ottawa; f. 1902; 86 staff mems.; Dir. C. S. BEALS; Division Heads: R. G. MADILL (Geomagnetism), M. M. THOMSON (Positional Astronomy), J. L. LOCKE (Stellar Physics), M. J. S. INNES (Gravity), J. D. HODGSON (Seismology); library of 27,000 vols.; publs. *Publications of the Dominion Observatory, Contributions from the Dominion Observatory.*

LIBRARIES

ALBERTA

Calgary Public Library: 205,000 vols.; 8 branches; special section on petroleum; Librarian W. R. CASTELL.

Edmonton Public Library: Macdonald Drive, Edmonton; f. 1913; 391,597 vols.; Librarian MORTON COBURN.

Provincial Library of Alberta: Edmonton; 50,000 vols.; Librarian E. J. HOLMGREN.

University of Alberta Library: Edmonton; f. 1909; *c.* 264,000 vols; Librarian BRUCE BRADEN PEEL, M.A., B.L.S.

BRITISH COLUMBIA

Fraser Valley Regional Library: Headquarters: Abbotsford, B.C.; f. 1930; 25 branches, 2 bookmobiles; 221,000 vols.; 550 films; maps; music scores; pamphlets; photographs; Director RONALD LEY.

Law Society of British Columbia Libraries: Vancouver and Victoria; Vancouver 20,000 vols., Victoria 15,500 vols.; Vancouver Librarian Miss M. KEDDY; Victoria Librarian H. LOCKHART.

Provincial Library and Archives: Victoria; f. 1893; 400,000 vols.; Librarian W. E. IRELAND.

Union College of British Columbia Library: Vancouver; f. 1927; 20,000 vols.; Librarian Mrs. JACQUELINE HOOPER.

University of British Columbia Library: Vancouver; f. 1912; 650,000 vols.; Librarian B. STUART-STUBBS, B.A., B.L.S.

Vancouver Island Regional Library: Headquarters: 10 Strickland Street, Nanaimo, B.C.; 22 branch libraries and bookmobile service; 105,000 vols.; Librarian FRED T. WHITE, M.A., B.L.S.

Vancouver Public Library: Vancouver; f. 1887; 550,000 vols.; 100,000 pamphlets; 8 brs., one bookmobile; Librarian PETER GROSSMAN.

MANITOBA

Law Society of Manitoba Library: Law Courts, Winnipeg 1; f. 1877; 40,000 vols.; Librarian H. ST. GEO. STUBBS.

University of Manitoba Library: Winnipeg; main library of 200,000 vols.; Medical School library of 27,000 vols.

NEW BRUNSWICK

Bonar Law-Bennett Library: University of New Brunswick, Fredericton; f. 1800; 144,291 vols.; Librarian GERTRUDE GUNN, PH.D.

Mount Allison University Library: Sackville; 120,000 vols., Librarian LAURIE MACCALLUM ALLISON, B.A., B.L.S.

Legislative Library: Fredericton; f. 1787; 37,000 vols.; Librarian MAURICE P. BOONE.

Library of Saint Joseph's University: St. Joseph; 40,000 vols.; Librarian Br. OMER CORMIER.

NEWFOUNDLAND

Memorial University of Newfoundland Library: St. John's; 71,000 vols.; Librarian F. EUGENE GATTINGER, B.A., B.L.S.

NOVA SCOTIA

Acadia University Library: Wolfville; f. 1843; 114,000 vols.; Librarian H. W. GANONG, B.A., B.L.S.

Dalhousie Law Library: Dalhousie University, Halifax; organised 1883; 40,000 vols.; Librarian Miss EUNICE W. BEESON.

Dalhousie Medical and Dental Library: Dalhousie University, Halifax; 28,000 vols.; Librarian T. H. REES; Jr. Asst. Librarian Miss C. S. ALLAN.

Dalhousie School of Nursing Library: Dalhousie University, Halifax; 1,189 vols.

Dalhousie University Library: Halifax; f. 1867; 219,582 vols.; Librarian J. P. WILKINSON, M.L.S.

Legislative Library and Nova Scotia Historical Society Library: Province House, Halifax; 50,000 vols.; Librarian SHIRLEY B. ELLIOTT.

Library of Mount Saint Vincent College: Halifax; 60,000 vols.; Librarian Sister FRANCIS DOLORES, B.A., M.L.S.

Public Archives of Nova Scotia: Coburg Road, Halifax; f. 1931; official records, family and business papers, maps, charts, pictures, microfilmed files of leading newspapers, and a research library of 20,000 vols.; Archivist C. BRUCE FERGUSSON, M.A., D.PHIL.(Oxon.).

St. Francis Xavier University Library: Antigonish; 55,000 vols.

University of King's College Library: Halifax; 50,000 vols.; Librarian REBECCA F. NASH, B.A., B.L.S.

ONTARIO

Carleton University Library: Colonel By Drive, Ottawa 1; 155,000 vols.; Librarian HILDA G. GIFFORD, B.A., B.L.S.

Hamilton Public Library: 55 Main Street West, Hamilton; f. 1889; 342,000 vols.; 5 br. libraries; bookmobile; Librarian FREDA F. WALDON, M.A., LL.D.

Legislative Library of Ontario: Parliament Buildings, Toronto 2; f. 1867; 142,000 vols.

Library of the Geological Survey of Canada: 601 Booth Street, Ottawa; f. 1842; 95,000 vols.; Librarian Mrs. N. I. KUMMERMANN.

Library of Parliament: Ottawa; f. 1849; 500,000 vols.; 20,000 pamphlets; Parl. Librarian ERIK J. SPICER; Assoc. Parl. Librarian GUY SYLVESTRE.

Library of the Pontifical Institute of Mediaeval Studies: 59 Queen's Park Crescent, Toronto 5; f. 1929; 35,000 volumes, 10,000 folios of MSS. on photostats, 200,000 folios of MSS. on microfilm; Librarian Rev. H. B. GARDNER, C.S.B., B.A., S.T.B., M.S. in L.S.

Library of Supreme Court: Ottawa; Librarians C. E. GOBEIL, W. J. B. GRIERSON.

London Public Library and Art Museum: London, Ontario; f. 1629; 300,143 vols., 335 paintings, 5,491 recordings; Dir. C. D. KENT.

McMaster University Mills Memorial Library: Hamilton; f. 1887; 150,400 vols.; Librarian MARGET H. C. MEIKLEHAM, B.A., M.A.L.S.

National Library: Public Archives Building, Ottawa 2; established by the National Library Act, which became effective in January 1953; absorbed the Canadian Bibliographic Centre founded in 1950; a National Union Catalogue is maintained; National Librarian WILLIAM KAYE LAMB, LL.D., PH.D., F.R.C.S.; Asst. National Librarian and Head Acquisitions Div. ADÈLE DE GUERRY LANGUEDOC, B.A., B.S.(L.S.); Head Reference Div. MARTHA SHEPARD, B.A., B.L.S.; Head Cataloguing Div. JEAN LUNN, PH.D., B.L.S.; publs. *Canadiana*, national bibliography (monthly; annual cumulations).

National Research Council Library (*National Science Library*): Sussex Drive, Ottawa 2; est. in 1927 for the Council; collects comprehensively in most fields of science and technology, and serves as the National Science Library; resources of over 500,000 vols., pamphlets and documents are made available through inter-library loans, photocopying service, and consultation in the Main Library and five subject branches; information services include locating scientific translations and unpublished research reports, preparation of bibliographies, literature searches and answering requests for scientific and technical information; publs. *Directory of Canadian Scientific and Technical Periodicals, List of Technical Translations, Recent Additions to the Library, Union List of Scientific Serials in Canadian Libraries*; Librarian JACK E. BROWN.

Ottawa Public Library: Ottawa; f. 1906; 350,000 vols.; Librarian C. B. AUBRY.

Public Archives of Canada: 330 Sussex Drive, Ottawa; f. 1872; depository of public records and historical material; 115,000 maps; 25,000 prints; 89,000 books and pamphlets; Curator A. E. H. PETRIE.

Queen's University Library: Kingston; f. 1841; 310,000 vols., Librarian H. P. GUNDY.

Toronto Public Library: Toronto; 1,000,000 vols.; 21 brs.; library service to 10 hospitals, 7 other institutions and 10 homes for the aged; Chief Librarian HENRY C. CAMPBELL, M.A., B.L.S.

University of Toronto Libraries: Toronto; f. 1842; 1,889,104 vols. and pamphlets; Chief Librarian R. H. BLACKBURN, M.A., B.L.S., M.S.

University of Ottawa Library: Ottawa; f. 1848; 250,000 vols.; Librarian Rev. Father PAUL-EMILE DROUIN, O.M.I., M.A., PH.L., S.T.L., M.L.S.

University of Trinity College Library: Toronto 5; 67,179 vols.; Librarian Miss B. SAUNDERS, B.L.S.

University of Western Ontario Libraries: London; f. 1908; 365,000 vols.; Librarian JAMES J. TALMAN, M.A., PH.D., D.LITT., F.R.S.C.

Victoria University Library: Queen's Park, Toronto; 131,026 vols.; Librarian Miss M. V. RAY, B.A.

PRINCE EDWARD ISLAND

Confederation Centre Library: incorporating Charlottetown Public Library, Legislative Library of P.E.I. and Public Archives; P.O. Box 1000, Charlottetown; f. 1800; 30,000 vols.; Librarian DOUGLAS B. BOYLAN.

Prince Edward Island Libraries: Prince of Wales College, Charlottetown; est. 1933; 95,000 vols. in regional system of 24 rural and town public libraries; Librarian DOROTHY CULLEN.

QUEBEC

Archives de la Province de Quebec: Edifice des Archives et du Musée, Parc des Champs de Bataille, Quebec; f. 1920; 45,000 vols.; Archivist ROLAND-J. AUGER; publs. *Rapport de l'Archiviste de la Province de Quebec* (annual), *Inventaires des Archives de la Province de Quebec* (approx. 3 vols. annually).

Bar of Montreal Advocates' Library: Court House, Montreal 1; f. 1828; 67,800 vols.; Assoc. Librarian ARTHUR PERRAULT.

Bibliothèque du College de l'Immaculée-Conception (Facultés de Théologie et de Philosophie de la Compagnie de Jésus): 1855 rue Rachel, Est, Montreal 34; 144,000 vols.; Librarian J. M. DUFORT, S.J.

Bibliothèque Saint-Sulpice (Ministère des Affaires culturelles, Prov. de Quebec): 1700 rue Saint-Denis, Montreal 18; f. 1915; 204,000 vols.

Fraser-Hickson Institute, Montreal (Free Public Library): 4855 Kensington Avenue, Montreal 29; f. 1885; over 140,000 vols.; Librarian Miss MARGERY W. TRENHOLME, B.A., B.L.S.

Libraries of the University of Montreal: Montreal; 818,190 vols. (including those of affiliated schools); Librarian Mrs. MARGUERITE DENSKY, Dipl. bibl. PH.D.

Library of Laval University: Quebec; f. 1852; 430,000 vols.; Dir. HERVE GAGNÉ, L.TH., M.A.

Library of the City of Montreal: 1210 Sherbrooke Street East; f. 1902; 673,000 vols., of which 43,000 books and pamphlets relate to Canada and Canadian history; Librarian JULES BAZIN.

Library of the Legislature of Quebec: Quebec; f. 1867; 225,000 vols.; 22,000 pamphlets; Librarian J. C. BONENFANT.

McGill University Library: Montreal; f. 1821; 650,000 vols.; Librarian RICHARD PENNINGTON, B.A.

Osler Library: McGill University, Medical Building, 3640 University Street, Montreal; f. 1929; 15,000 vols. history of medicine and science; Librarian Dr. LLOYD S. STEVENSON (*a.i.*).

Sir George Williams University Library: 1435 Drummond Street, Montreal; Librarian KEITH CROUCH, B.A., B.L.S.

SASKATCHEWAN

Central Library: 12th Avenue at Lorne Street, Regina; 3 brns.; 3 booktrailers.

North Central Saskatchewan Regional Library: 38 brs. and 8 deposit stations with headquarters in Prince Albert; Regional Librarian Miss G. CAMPBELL.

Provincial Library: 1819 Cornwall Street, Regina; Minister in Charge Hon. W. S. LLOYD; Provincial Librarian Miss MARY E. DONALDSON; Public Information Library Division, Miss G. MCKAY; Regional Libraries Division, Miss M. GILROY, Miss DONALDA PUTNAM; Technical Services Division Miss KATHE M. ALBU.

Regina Public Library: f. 1909; 158,756 vols.; Librarian Miss MARJORIE DUNLOP, B.A.

Saskatchewan Legislative Reference Library: Regina; f. 1905; 75,000 vols.; history, languages, biography, law and social sciences; noted for its collection of government documents and archival material relating to Saskatchewan and the old North-West Territories; Librarian (acting) ALLAN R. TURNER.

Saskatoon Public Library: f. 1913; 109,586 vols.; Librarian J. S. WOOD, B.A.

University of Saskatchewan Library: Saskatoon; f. 1909; 300,000 vols. and Adam Shortt collection of Canadiana; Librarian D. C. APPELT, M.A., B.L.S.

MUSEUMS AND ART GALLERIES

ALBERTA

Banff National Park Museum: Banff; Natural history exhibits.

Calgary Allied Arts Council: Allied Arts Centre, Calgary, Alberta; f. 1946; Art Association; Civic Arts Centre; children's programme: creative art, music, dance, drama, puppetry; travelling exhibitions; headquarters for forty cultural organisations; group meetings for adults; Pres. A. M. CAIRNS; Man. Dir. G. B. GREENE; publ. *Courier*.

Department of Geology Museum, University of Alberta: Edmonton; f. 1912; geology, meteorites, mineralogy, vertebrate palæontology, archæology, ethnology; Dir. C. R. STELCK, B.SC., M.SC., PH.D.

Edmonton Art Gallery, The: 9842–105th Street, Edmonton; f. 1924; Canadian pictures; courses in art education; Dir. JOHN W. MACGILLIVRAY.

Luxton Museum Ltd.: Banff; Indian handicrafts and historical exhibits, natural history; housed in a building constructed on the lines of an old-time Hudson Bay Fur Fort.

Museum of Art, University of Alberta: Curator H. G. GLYDE, A.R.C.A., R.C.A.

BRITISH COLUMBIA

Geological Museum: Dept. of Geology, University of British Columbia, Vancouver, B.C.; f. 1925; Hon. Curator M. Y. WILLIAMS.

Helmcken House Museum: 638 Elliott Street, Victoria; maintained by provincial archives; Provincial Archivist WILLARD E. IRELAND; Resident Curator Mrs. H. WEBSTER.

Museum of Northern British Columbia: Prince Rupert; Curator Mrs. JOCELYN BOLTON.

Provincial Museum of Natural History and Anthropology: Victoria; f. 1886; contains reference collections and exhibits pertaining to natural history and anthropology of B.C.; Dir. G. CLIFFORD CARL; publ. *Annual Report, Occasional Papers, Handbook Series, Anthropology in B.C.* series.

Vancouver Art Gallery: 1145 West Georgia Street, Vancouver; f. 1931; early European, contemporary Canadian and British paintings; Emily Carr Collection; Dir. RICHARD B. SIMMINS, M.A.

Vancouver City Museum and Art Gallery: 401 Main Street, Vancouver 4; f. 1894; natural history, anthropology, art, B.C. Indian artifacts (Gen. World Collection); Dir. T. A. WYLIE.

MANITOBA

Manitoba Museum: Winnipeg; f. 1932; history and natural history of Manitoba; Dir. R. W. SUTTON.

Museums of University of Manitoba: Curators: Mineralogy, Prof. R. B. FERGUSON; Zoology, H. WEISMAN; Anatomy and Pathology, Dr. L. C. BARTLETT; Botany, Prof. J. C. RITCHIE; Anthropology: W. J. MAYER-OAKES.

Winnipeg Art Gallery: The Winnipeg Auditorium; Dir. FERDINAND ECKHARDT, PH.D.; Curator ILLI-MARIA HARFF, M.A.

NEW BRUNSWICK

Beaverbrook Art Gallery: Fredericton, New Brunswick; f. 1959; 500 paintings and 200 drawings, 500 prints; Pillow collection of English porcelain; English sculptures; library; Dir. STUART ALLEN SMITH.

Fort Beauséjour National Historic Park and Museum: Aulac; Curator and Custodian A. H. GILL.

Miramichi Natural History Museum: Chatham; Pres. R. M. WOOD.

New Brunswick Museum: St. John; f. (1842) 1930; Sec. of the Board and Curator of Nat. Science W. AUSTIN SQUIRES, B.A., M.SC.; Acting Curator of Art Mrs. K. W. RYDER; Dir. and Curator of Canadian History GEORGE MACBEATH, B.A., D.U.P.; library of 50,000 vols. and periodicals; publs. *Monographic Series, Historical Studies, Catalogues, Bulletins*.

York-Sunbury Historical Society Museum: Fredericton; Curator Dr. D. J. MACLEOD; Sec. Mrs. BARBARA MACKINNON.

NEWFOUNDLAND

Newfoundland Archives: St. John's; Provincial Archivist A. M. FRASER, M.A.

Newfoundland Museum: St. John's; Curator A. M. FRASER, M.A.

Newfoundland Naval and Military Museum: St. John's; Curator DAVID WEBBER.

NOVA SCOTIA

Acadia University Museum: f. 1847; geology, biology, ethnology, history; Librarian H. W. GANONG.

Fort Anne National Historic Park and Museum: Annapolis Royal, N.S.; Hon. Supt. of Fort Anne and Port Royal National Historic Parks A. L. MORFEE.

Fortress of Louisbourg Museum: Louisbourg; Project Man. A. D. PERRY.

Nova Scotia Museum: Halifax; Dir. DONALD K. CROWDIS; publs. Bulletins, Occasional Papers, and Newsletter.

Nova Scotia Museum of Fine Arts: Halifax; f. 1909; collection in Public Archives of Nova Scotia; Hon. Curator G. E. G. MACLAREN.

Nova Scotia Museum of Science: Spring Garden Road; Halifax; natural history, expecially of Nova Scotia, includes planetarium.

Pioneers' Museum: Green Hill, Picton Co.; Curator CLIFFORD ROSE, 254 Almonte Avenue, New Glasgow.

ONTARIO

Art Gallery of Hamilton, Main and Forsyth: Hamilton; Dir. T. R. MACDONALD, R.C.A.

Art Gallery of Toronto: Grange Park, Toronto, 2B; f. 1900; Art in Europe and North America, mainly 20th Century, and Canadian art, although Tintoretto, Hals, Van Dyck, Rembrandt, Reynolds, Rubens, Poussin, Claude, Gainsborough, Chardin, Delacroix and the Impressionists are represented; 6,100 mems.; Dir. WILLIAM J. WITHROW; Curator DAVID S. BROOKE; Sec.-Treas. A. K. KEMBAR.

Dundurn Castle: Hamilton; f. 1900; exhibits mostly pertaining to local history; Curator Mrs. M. G. METCALFE.

Jordan Historical Museum of the Twenty: Jordan, Ont.; f. 1953; a collection illustrating life in the Twenty Mile Creek Area after 1776; Dir. RUTH M. HOME.

Marine Museum of Upper Canada: Stanley Barracks and Old Fort York, Toronto 2B, Ont.; operated by the Toronto Civic Historical Committee; Exec. Sec. J. A. McGINNIS.

National Aviation Museum: Ottawa International Air Terminal, c/o National Museum of Canada, McLeod and Metcalfe Streets, Ottawa; Curator KENNETH MOLSON.

National Gallery of Canada: Lorne Building, Ottawa; f. 1880; paintings (inc. Old Masters purchased from the Prince of Liechtenstein, 1953–56), sculpture, prints and drawings of European schools; the Massey collection of English paintings; the most representative Canadian collection in existence; war art of both world wars; reference library of 15,000 vols.; exhibitions circulated in Canada and Canadian exhibitions sent abroad; the new building replacing the old, was opened February 1960; Dir. (Vacant); Asst. Dir. W. S. A. DALE, PH.D.; Chief Curator R. H. HUBBARD, PH.D.; Curator of Canadian Art (Vacant); Curator of Prints and Drawings KATHLEEN M. FENWICK; Curator of War Collections R. F. WODEHOUSE; Dir. Exhibition Extension Services J. R. OSTIGUY; Chief Conservation and Scientific Research N. STOLOW, PH.D.; publs. *Annual Report, Bulletins.*

The National Museum of Canada: Ottawa; the museum originated in the Geological Survey of Canada (f. 1842); the name "National Museum of Canada" was applied in 1927; in 1957 the museum was divided into two branches, under separate directors; in 1964 it was transferred from the Dept. of Northern Affairs and National Resources to the Secretary of State's department.

Human History Branch: Exhibits illustrating the archæology, ethnology, and history of Canada; study collections open to research by properly qualified students, include over 326,444 archæological specimens, 26,717 ethnological specimens and 1,500 physical anthropology specimens; folk-song collection includes large library of phonographic recordings; Dir. R. GLOVER, M.A., PH.D., F.R.HIST.S.; library maintained in conjunction with the Natural History Branch.

Natural History Branch: collections illustrating the natural history of Canada; its geology, mineralogy, palaeontology, zoology and botany; study collections, open to research by properly qualified students, include over 287,657 sheets of vascular plants, 117,692 cryptograms, 32,316 mammals, 52,600 birds, 39,649 specimens of amphibians and reptiles, 1,764,600 molluscs and brachiopods, 386,000 other invertebrates and 59,107 fishes; an outstanding collection of dinosaurs and other fossil vertebrates; scientific and educational publications on this material available for distribution; Dir. A. W. F. BANFIELD, M.A., PH.D.; library of *c.* 50,000 vols.; Librarian AUDREY E. DAWE, B.A., B.L.S.; publs. *Bulletin*, Anthropology Papers, Natural History Papers.

Pioneer and Marine Museum: Collingwood, Ont.; f. 1904; Chair. Dr. DUDLEY IRWIN; Sec. Mrs. R. GIBBONS.

Queen's University Museums: Kingston; geology dept., f. 1901; Curator L. G. BERRY; biology dept., f. 1880, Curator (to be appointed); pathology dept., f. 1895, Curator Prof. R. H. MORE.

Royal Ontario Museum: 100 Queen's Park, Toronto 5; f. 1912; Dir. W. E. SWINTON, PH.D.(GLAS.), F.R.S.E., F.M.A., F.R.A.I.; LIONEL MASSEY, DIP.,P.P.E. (Oxon.); Sec. Mrs. HELEN M. DOWNIE.

Art and Archæology Departments: permanent galleries, research collections in each of Greek and Roman, Near Eastern, Far Eastern, European, textiles and costume, Canadiana, and ethnology departments, Collections illustrate prehistory, classical civilizations, medieval and modern Europe, outstanding Chinese collection covering entire range of art and archæology, with large Chinese library; extensive ethnology collections with emphasis on American Indian; North American archæological collections and active research programme; Sigmund Samuel Canadiana Collection housed separately at 14 Queen's Park Crescent, West; Chief Archæologist A. D. TUSHINGHAM, B.D., PH.D., F.S.A.

Life Sciences Departments: departments of mammalogy, ornithology, herpetology, ichthyology, invertebrates, fossil vertebrates, fossil invertebrates, each with extensive research collections and facilities, Permanent public galleries especially noteworthy in fossil vertebrates, ichthyology and herpetology, important reference library; Chief Biologist L. S. RUSSELL, PH.D., LL.D.

Earth Sciences Departments: departments of geology and mineralogy. Public galleries of physical and applied geology, systematic gallery of mineralogy, gem collection display. Extensive research collections and library; Chief Mineralogist V. B. MEEN, M.A., PH.D.

Education Departments: conducts museum educational programme for Ontario schools, and adult groups, film programmes, children's clubs, etc.; Supervisor N. E. HEAKES, B.A.

QUEBEC

Ecole Polytechnique, Musée de Mineralogie et de Géologie: P.O. Box 501, Snowdon, Montreal 29; Curator PIERRE MAUFFETTE.

McCord Museum of McGill University: Corner Drummond and McGregor Sts., Montreal; f. 1919; Canadiana, illustrating Canadian history from 1535 to the present day; closed temporarily; Chief Curator J. RUSSELL HARPER, M.A.

McGill University Museums: Montreal 2; Dir. ALICE E. JOHANNSEN, B.SC., A.M.A.

Peter Redpath Museum: McGill University; f. 1882; natural history; Curators: Invertebrate Zoology, V. CONDÉ; Geology, LOUISE S. STEVENSON, M.SC.; Vertebrate Zoology, A. W. CAMERON, PH.D., Exhibits, Mrs. NANCY J. DUNBAR, B.S., M.A., A.M.A.

David Ross McCord Museum: 3607 Drummond Street, Montreal 2; f. 1919; Canadian history and Canadian archæology; Chief Curator J. RUSSELL HARPER, M.A.; Prints and MSS., ISABEL B. DOBELL, B.A.

Montreal Museum of Fine Arts: 1379 Sherbrooke Street West, Montreal 25; f. 1860; Dir. DAVID G. CARTER, M.A.; Asst. Dir. EDWARD P. LAWSON, M.A.; General Curator WILLIAM R. JOHNSTON, B.A.; Librarian Miss JUANITA TOUPIN; Supervisor of Museum Educational Programme: Miss MARY-LOUISE FUNKE, B.A.; Principal of School of Art and Design—the Art Centre: ARTHUR LISMER, R.C.A., LL.D.; publs. *Monthly Bulletin, Guide to the Collections, Catalogue of Paintings, Illustrated Handbook.*

Musée de la Province de Quebec: Parc des Champs de Bataille, Quebec; f. 1931; beaux-arts, natural history; Curator GERARD MORISSET.

Musée Historique Canadien: 3715 Queen Mary Road; Curator GÉRARD LAFORTUNE.

Museum of Laval University: Quebec; f. 1852; mineralogy, geology, palaeontology, botany, chemistry, archaeology, ethnography, physics, zoology, numismatics, mathematical and astronomical instruments; paintings of Canadian, Italian, French, Dutch, Spanish and English schools; goldsmith's works; antique furniture; numismatics, etc.; 8 Curators.

SASKATCHEWAN

Lund Wild Life Exhibit: Lund Exhibit Building, Prince Albert; Curator GORDON E. LUND.

Norman Mackenzie Art Gallery: University of Saskatchewan, Regina Campus; permanent collection of Canadian, European, Mesopotamian and Oriental art; travelling exhibitions; Dir. R. L. BLOORE, M.A.

Prince Albert Historical Museum: Prince Albert; org. 1923; local historical exhibits, early settlement, pioneers, Indian life, etc.; Pres. ARNOLD AGNEW; Sec. I. C. COLLINS.

Saskatchewan Museum of Natural History: Wascana Park, Regina; f. 1906; new building opened 1955; habitat cases depicting wild-life in its natural environment; models and maps illustrating the geological history of the earth; archaeological exhibits including artifacts used by early inhabitants of Saskatchewan; guided tours for schools; branch of Dept. of Natural Resources, Provincial Govt.; 13 mems.; Dir. F. G. BARD; publ. *Annual Report*.

University of Saskatchewan Museum: Saskatoon; f. 1917; Dept. of Biology.

Western Development Museum: Saskatoon, Saskatchewan; f. 1947; brs. at North Battleford and Yorkton; displays and preserves pioneer agricultural machinery and historical household items; annual show; Curator GEORGE SHEPHERD.

UNIVERSITIES AND COLLEGES

ACADIA UNIVERSITY

WOLFVILLE, NOVA SCOTIA

Telephone: 542-2201.

Founded 1838.

President: J. M. R. BEVERIDGE, PH.D., M.D., F.C.I.C., F.R.S.C.
Academic Vice-President: (Vacant).
Vice-President for Development: N. MOORE.
Provost: E. S. HANSEN, PH.D.
Treasurer: F. J. ELDERKIN, LL.B.
Registrar: JAMES R. MCBRIDE, B.A.
Librarian: H. W. GANONG, B.A., B.L.S.

Number of teachers: 97, including 31 professors.
Number of students: 823 men, 488 women, total 1,311.

DEANS:

Faculty of Applied Science: F. C. TURNER, B.E. (*a.i.*).
Faculty of Arts: (Vacant).
Faculty of Science: E. C. SMITH, M.A., PH.D.
Faculty of Home Economics: ELIZABETH MACMILLAN, M.A.
Faculty of Music: (Vacant).
Faculty of Theology: M. R. CHERRY, A.B., TH.D. (*a.i.*).
School of Education: M. V. MARSHALL, M.A., D.ED.

PROFESSORS:

BLEAKNEY, J. S., M.SC., PH.D., Zoology
CAMERON, H. L., M.SC., F.G.S.A., Geology
CHERRY, M. R., TH.D., Systematic Theology
FRASER, D. G. L., M.A., Political Science
HALEY, K. D. C., M.A., PH.D., Mathematics
HANSEN, E. S., PH.D., Chemistry
JEFFREY, R. L., M.A., PH.D., LL.D., F.R.S.CAN., Mathematics
JEWITT, A. R., M.A., PH.D., English
KALEJS, JANIS, Music
KELLY, F. G., B.A., Physical Education
LEVY, G. E., M.A., TH.D., Biblical Literature
LEWIS, H., M.A., PH.D., Philosophy
LINTON, E. P., PH.D., Chemistry
LOVESEY, M. R. B., M.TH., M.A., Biblical Literature
MACDONALD, R., M.A., ED.D., Education
MACLEAN, A. H., M.A., PH.D., History
MACMILLAN, ELIZABETH, M.SC., Home Economics
MAGARVEY, R. H., M.SC., Physics
MARSHALL, M. V., ED.D., Education
MAYOH, L., B.MUSIC, A.R.M.C.M. Voice
MERRICK, E. C., D.D., Pastoral Theology
NEATBY, L. H., M.A., PH.D., Classics
RAYSKI-KIETLICZ, K., D.LITT., Romance Languages
ROBINSON, B. A., M.B.A., Commerce
SMALL, C. W., M.A., Chemistry
SMITH, E. C., A.M., PH.D., Biology
SNOW, D. O., M.A., PH.D., Mathematics
TAYLOR, C., B.D., S.T.M., Pastoral Education
TILLOTSON, J. G., M.SC., Physics
WANAMAKER, M. G., C.D., M.A., ED.D.(ENG.), English
WHIDDEN, E. M., M.A., Church History

UNIVERSITY OF ALBERTA

EDMONTON AND CALGARY, ALBERTA

Chancellor: FRANCIS PHILIP GALBRAITH, LL.D.

Edmonton Division

Telephone: 439-8721. Area Code: 403.

Founded 1908.

President: W. H. JOHNS, PH.D., LL.D., D. ès L.
Vice-President: M. WYMAN, PH.D., F.R.S.C.
Bursar: J. M. WHIDDEN, B.COM.
Registrar: A. D. CAIRNS, B.A.
Librarian: B. B. PEEL, M.A., B.L.S.

Number of teachers: 645 full-time.
Number of students (1965): 9,334 full-time.

Publications: *The New Trail* (quarterly), published jointly by the University and its Alumni Association; *Report of the Governors* (annually).

DEANS AND DIRECTORS:

Faculty of Arts: D. E. SMITH, M.A., PH.D.
Faculty of Engineering: R. MACD. HARDY, M.SC., D.SC.
Faculty of Medicine: W. C. MACKENZIE, M.D., C.M., M.S., F.A.C.S., F.R.C.S.(C), F.R.C.S.(E).
Faculty of Agriculture: C. F. BENTLEY, M.SC., PH.D.
Faculty of Law: W. F. BOWKER, Q.C., LL.M.
Faculty of Dentistry: H. R. MACLEAN, D.D.S., F.A.C.D., F.I.C.D.
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School of Nursing: RUTH E. MCCLURE, M.P.H., R.N. (Director).
School of Household Economics: ELIZABETH L. EMPEY, M.N.S., PH.D. (Director).
School of Rehabilitation Medicine: M. T. FALLS CARPENDALE, M.R.C.S., L.R.C.P. (Acting Director).
Faculty of Science: D. M. ROSS, M.A., PH.D.

PROFESSORS:

Faculty of Arts:
BALDWIN, R. G., M.A., PH.D., English
BLACKLEY, F. D., M.A., PH.D., History
EATON, R. S., MUS.B., Music
ELDER, A. T., M.A., PH.D., English
GAINER, W. D., M.S., PH.D., Economics
GLYDE, H. G., A.R.C.A., R.C.A., Fine Arts
GORDON, J. K., M.A., International Affais
GOUNDRY, G. K., M.A., Economics
GREENE, E. J. H., M.A., D. de l'Univ. de Paris, French
HANSON, E. J., M.A., PH.D., Economics
HIRABAYASHI, G. K., M.A., PH.D., Sociology
JENKINSON, M. E., PH.D., Elementary Education
KREISEL, H., M.A., PH.D., English
MANDEL, E. W., M.A., PH.D., English
MARDIROS, A. M., M.A., M.LITT., Philosophy
PEACOCK, G. B., M.A., Drama
RAYBACK, J. G., M.A., PH.D., History

REINHOLD, E., M.A., PH.D., Germanic Languages
ROYCE, J. R., PH.D., Psychology
RYAN, A. A., M.A., English
SMITH, D. E., M.A., PH.D., Psychology
THOMAS, L. G., M.A., PH.D., History
VON BERTALANFFY, L., PH.D., Psychology, Zoology
WATSON, W., M.A., PH.D., English

Faculty of Science:
BHATIA, A. B., M.SC., D.PHIL., PH.D., Physics
BRODIE, H. J., M.SC., PH.D., Botany
BROWN, R. K., M.SC., PH.D., Chemistry
BURWASH, R. A. M., M.SC., PH.D., Geology
CHALLICE, C. E., PH.D., Physics
CORMACK, R. G. H., M.A., PH.D., F.R.S.C., Botany
DULMAGE, A. L., M.A., PH.D., Mathematics
FOLINSBEE, R. E., M.A., PH.D., Geology
FREEMAN, G. R., M.A., PH.D., D.PHIL., F.C.I.C., Chemistry
GUNNING, H. E., M.A., PH.D., Chemistry
HARRIS, W. E., M.SC., PH.D., Chemistry
HOSPERS, JAN, M.A., PH.D., Physics
KENNEDY, L. L., M.SC., PH.D., Botany
LEMIEUX, R. U., PH.D., Chemistry
LIVINGSTON, A. E., M.A., PH.D., Mathematics
LORCH, L., M.A., PH.D., Mathematics
MCNAMEE, J. J., PH.D., Mathematics
MOSER, L., M.A., PH.D., F.R.S.C., Mathematics
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NEWBOUND, K. B., M.SC., PH.D., Physics
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PATERSON, A. R. P., M.SC., PH.D., Biochemistry
ROSS, D. M., M.A., PH.D., Zoology
SCHIFF, H., M.SC., PH.D., Physics
SCOTT, D. B., PH.D., Physics
STELCK, C. R., M.SC., PH.D., Geology
WALKER, G. W. R., M.A., PH.D., Genetics
WHYTE, J. H., M.SC., PH.D., Botany
WONDERS, W. C., M.A., PH.D., Geography
WYMAN, M., PH.D., F.R.S.C., Mathematics

Faculty of Engineering:
BLENCH, T., M.I.C.E., Civil Engineering
BOUTHILLIER, P. H., B.SC., S.M., Civil Engineering
FLOCK, D. C., M.S., PH.D., Chemical Engineering
FORD, G., M.SC., PH.D., Mechanical Engineering
GADS, L. E., B.SC., Civil Engineering
HADDOW, J. B., M.SC., PH.D., Mechanical Engineering
HARDY, R. M., M.SC., D.SC., Civil Engineering
KENNEDY, J. S., M.SC., PH.D., Mechanical Engineering
LEJA, J., B.SC., PH.D., Metallurgy
LILGE, E. O., M.SC., Mining Engineering
LONGWORTH, J., M.SC., Civil Engineering
PATCHING, T., B.SC., Mining Engineering
PORTEOUS, J. W., M.SC., Electrical Engineering
QUON, D., M.SC., SC.D., Chemical Engineering
ROBINSON, D. B., M.A.SC., PH.D., Chemical Engineering
SINCLAIR, S. R., M.SC., Civil Engineering
WALKER, G. B., M.S. PH.D., Electrical Engineering

Faculty of Medicine:
COLLIER, H. B., M.A., PH.D., F.C.I.C., F.R.S.C., Biochemistry
COLTER, J. S., PH.D., Biochemistry
DANIEL, E. E., M.A., PH.D., Pharmacology
FRASER, R. S., M.SC., M.D., F.R.C.P.(C), F.A.C.S., Clinical Medicine
GILBERT, J. A. L., M.D., F.C.R.P., M.R.C.P., Medicine
GREENHILL, S., M.D., D.P.H., Preventive Medicine
HARRISON, R. C., M.D., M.S., F.R.C.S.(C), F.A.C.S., Surgery
LEESON, T. S., M.A., PH.D., Anatomy
MACBETH, R. A. L., M.D., M.SC., F.R.C.S.(C), F.A.C.S., Surgery
MACGREGOR, J. W., M.D., F.R.C.P.(C), Pathology
MACKENZIE, W. C., M.D., C.M., M.S., F.A.C.S., F.R.C.S.(C), F.R.C.S.(E), Surgery
MARTIN, J. K., M.R.S.C., L.R.C.P., D.C.H., M.R.C.P., Pediatrics
NASH, C. W., M.SC., PH.D., Physiology
PAUL, W. M., M.D., F.R.S.C., Obstetrics and Gynæcology
PEARCE, J. W., M.D., C.M., D.PHIL., Physiology
SALT, W. R., M.SC., Anatomy
WILSON, D.R., B.A., M.D., S.M., F.R.C.P Medicine
YONGE, K. A. C., M.D., C.M., D.P.M., Psychiatry

Faculty of Agriculture:
BALL, G. E., PH.D., M.S., Entomology
BERG, R. T., M.SC., PH.D., Animal Genetics
BENTLEY, C. F., M.SC., PH.D., Soils
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FEE, A. D., D.D.S., M.SC., Prosthetic Dentistry
MACLEAN, H. R., D.D.S., F.A.C.D., F.I.C.D., Operative Dentistry
MCMURCHY, K. A., D.D.S., Dental Science
TUBA, J., M.SC., PH.D., Biochemistry

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GILLES, J. W., M.A., ED.D., Educational Psychology
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MCLACHLIN, H. J., M.SC., Physical Education
SMITH, W. D., M.A., ED.D., Physical Education
VAN VLIET, M. L., M.S., ED.D., Physical Education

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Registrar: J. NICOL, M.A.
Librarian: T. MACC. WALKER, M.A., PH.D.

Number of teachers: 182 full-time.
Number of students: 2,622 full-time.

DEANS, ETC.:

Faculty of Arts and Science: T. M. PENELHUM, M.A.
Faculty of Education: H. S. BAKER, M.A., PH.D., L.A.B.
Faculty of Engineering: A. M. NEVILLE, M.SC., PH.D.
Department of Physical Education: L. GOODWIN, M.ED., PH.D. (Head).

PROFESSORS:

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WINSPEAR, A. D., M.A., Classics
WOODSWORTH, J. G., ED.D., Educational Psychology

AFFILIATED COLLEGES:

Camrose Lutheran College: Camrose, Alberta; affiliated with the University of Alberta as a Junior College in 1959.
President: Rev. C. E. LUND, B.A.
Dean: O. D. OLSON, M.SC., PH.D.

Le Collège Saint-Jean: Edmonton, Alberta; affiliated with the University of Alberta in 1963 for bi-lingual teacher education.
Rector: Fr. A. LACERTE, O.M.I.

Lethbridge Junior College: Lethbridge, Alberta; f. 1957; affiliated with the University of Alberta as a Junior College.
Principal: C. B. JOHNSON, B.SC.

Mount Royal College: Calgary, Alberta; f. by the late Dr. George W. Kerby; inc. 1910; affiliated with the University of Alberta as a Junior College.
Principal: Rev. W. J. COLLETT, M.A., B.D.
Registrar: L. E. WILLMOTT, M.A.

Red Deer Junior College: Red Deer, Alberta; affiliated with the University of Alberta as a Junior College.
Dean: P. RAFFA, M.A., PH.D.

St. Joseph's Catholic College: Edmonton, Alberta.
Rector: Rev. R. M. MONTAGUE, M.PHIL.

St. Stephen's College: Theological College, Edmonton, Alberta.
Principal: Rev. E. J. THOMPSON, M.A., PH.D., D.D.

Southern Alberta Institute of Technology: Calgary, Alberta.
Principal: F. C. JORGENSON, B.ED.

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Principal: C. L. O. GLASS, M.A., D.C.L.
Registrar and Bursar: N. H. WELSH, B.SC.
Librarian: A. D. BANFILL, B.A., B.C.L. B.L.S.

Number of teachers: 30.
Number of students: 400.

DEANS:

Faculty of Arts: A. W. PRESTON, M.A., D.C.L.
Faculty of Divinity: Rev. S. JELLICOE, M.A., B.D.
Faculty of Science: A. L. KUEHNER, M.A., F.C.I.C.

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LANGFORD, A. N., B.A., M.A., PH.D., Biology
MASTERS, D. C., M.A., D.PHIL., History
MCCUBBIN, J. W., M.SC., PH.D., Chemistry
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TAYLOR, S., M.A., Mathematics
VAN HORN, W. F., M.SC., Chemistry
YARRILL, E. H., M.A., Modern Languages

UNIVERSITY OF BRITISH COLUMBIA

VANCOUVER 8, BRITISH COLUMBIA

Telephone: CA4-1111.

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Registrar: J. E. A. PARNALL, M.A.
Librarian: B. STUART-STUBBS, B.A., B.L.S.

Number of teachers: 954, including 176 professors.
Number of students: 10,206 men, 5,283 women, total 15,489.
Publications: University Calendar, *Lecture Series, Canadian Literature* (quarterly), *Pacific Affairs* (quarterly), *Prism International* (quarterly), *Canadian Yearbook of International Law*.

DEANS:

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Hallamore, Joyce, M.A., PH.D., German
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Smith, R. N., M.A., PH.D., Education
Soward, F. H., LL.D., F.R.C.S., History
Stankiewicz, W. J., M.A., PH.D., Political Science
Stein, H. L., M.A., PH.D., F.A.P.A., Education
Steinberg, M. W., M.A., PH.D., English
Stewart, Robert, M.SC., PH.D., Physics
Stewart, Ross, M.A., PH.D., F.C.I.C., Chemistry
Taylor, H. E., M.D., C.M., F.R.C.P.(EDIN.), F.R.C.P.(C)., Pathology
Taylor, T. M. C., M.S., PH.D., Biology and Botany
Thompson, R. M., M.A.SC., PH.D., F.M.S.A., Geology
Thompson, W. M., M.A., DR.PHIL., English
Todd, E. C. E., LL.D., LL.M., Law
Tougas, G. R., M.A., PH.D., French
Towers, G. H. N., M.SC., PH.D., Biology and Botany
Trotter, J., PH.D., D.SC., F.R.I.C., Chemistry
Tyhurst, J. S., B.SC., M.D., C.M., Psychiatry
Verner, C., A.M., M.A., ED.B., Adult Education
Vogt, E. W., M.SC., PH.D., Physics
Volkoff, G. M., M.B.E., M.A., PH.D., D.SC., F.R.S.C., Physics
Warren, H. V., D.PHIL., A.INST.M.M., F.G.S.A., F.R.S.C., Mineralogy
Warren, J. B., D.I.C., PH.D., F.INST.P., F.R.S.C., Physics
Wellwood, R. W., M.F., PH.D., Forestry

WHITE, P. H., M.SC., F.R.I.C.S., Estate Management and Finance
WHITE, W. H., M.A.SC., PH.D., M.C.I.M., F.G.S.A., F.R.S.C., Geology
WHITELAW, D. M., M.D., C.M., F.R.C.P.,(C) Medicine
WHITTLE, H. D., M.S., PH.D., Physical Education
WILIMOVSKY, N. J., M.A., PH.D., Fisheries
WILLIAMS, D. H., B.SC., M.D., M.SC., Continuing Medical Education
WILSON, S. W., M.S., PH.D., Forestry
WISNICKI, B. P., DIPL.ING.(Poland), M.E.I.C. Architecture
WONG, L. J. G., M.B.A., Finance
WOOD, A. J., M.S.A., PH.D., Animal Husbandry
WORT, D. J., M.SC., PH.D., Biology and Botany
YOUNG, J. H., M.A., PH.D., A.F.C., Economics
YOUNG, L., M.A., PH.D., SC.D., Electrical Engineering
YU, Y.-N., DR.ENG., Electrical Engineering
ZBARSKY, S. H., M.A., PH.D., Biochemistry

AFFILIATED COLLEGES:

Anglican Theological College of British Columbia: 6050 Chancellor Boulevard, Vancouver.
Principal and Dean of Theology: Rev. J. BLEWETT, D.D.
Registrar: Rev. T. BAILEY, M.A., M.D.
Dean of Residence: Rev. T. D. SOMERVILLE, B.A., B.D.
Librarian: Rev. BRIAN COOPER, M.A.

Carey Hall: Baptist.
Dean of Residence: Rev. J. I. RICHARDSON, B.A., B.D., S.T.M.

St. Andrew's Hall: Presbyterian.
Dean of Residence: Rev. J. A. ROSS, M.A., PH.D.

St. Mark's College: Vancouver; Roman Catholic.
Principal: Rev. E. C. LEBEL, C.S.B., C.D., M.A., LL.B.
Registrar: Rev. N. KELLY, C.S.B., M.A.

Union College of British Columbia: United Church of Canada; Vancouver.
Principal: Rev. W. S. TAYLOR, M.A., B.D., PH.D., D.D.
Registrar: Rev. Prof. S. V. FAWCETT, TH.D.
Dean of Residence: Prof. R. A. WILSON, M.A., B.D.

BROCK UNIVERSITY

ST. CATHARINES, ONTARIO

Telephone: 684-7201. Area Code: 416.

Founded 1964.

President: J. A. GIBSON, M.A., B.LITT., D.PHIL.
Registrar: E. E. GOLDSMITH, DIPL. ING. (acting).
Librarian: ELIZABETH M. LOCKETT, B.L.S.

CARLETON UNIVERSITY

OTTAWA 1, ONTARIO

Telephone: Central 5-5161.

Founded 1942.

Chancellor: C. J. MACKENZIE, C.M.G., M.C., D.SC., D.ENG., LL.D., D.C.L., F.R.S.
President and Vice-Chancellor: A. D. DUNTON, LL.D., D.SC.
Registrar and Research Associate Professor in Education: J. A. B. MCLEISH, M.A., PH.D.
Bursar: F. J. TURNER, B.COM., M.A., F.C.I.S.
Librarian: HILDA G. GIFFORD, B.A., B.L.S.

Number of teachers: 116 full-time, including 18 professors; 88 sessional lecturers, part-time.

Number of students: 1,960 full-time, 1,530 part-time.

Publications: *Calendar, Bulletin, The President's Report: Scholarship Announcement* (annually), *The Carleton* (weekly), *The Raven* (annual), *Directory of Students* (annual).

DEANS:

Faculty of Arts: Prof. J. A. GIBSON, M.A., B.LITT., D.PHIL.
Faculty of Science: H. H. J. NESBITT, M.A., D.SC., PH.D.
Faculty of Engineering: J. RUPTASH, M.A.SC., PH.D.

PROFESSORS:

BEATTIE, A. M., M.A., PH.D., English
BOWES, W. H., M.ENG., M.SC., Engineering
EGGLESTON, W., M.B.E., B.A., Journalism
FARR, D. M. L., M.A., D.PHIL., History
GIBSON, J. A., M.A., B.LITT., D.PHIL., History
GORDON, H. S., B.A., A.M., Economics
HART, J., B.SC., PH.D., Physics
HOLMES, J. M., M.A., PH.D., Chemistry
JOHNSTON, G. B., M.A., English
MACFARLANE, R. O., M.A., PH.D., Political Science, Public Administration
MACPHAIL, M. St. J., M.A., D.PHIL., F.R.S.C., Mathematics
MCDOUGALL, R. L., M.A., PH.D., English
MORTON, J. M., M.SC., M.A., PH.D., Chemistry
MUNN, A. M., M.SC., PH.D., Physics
NESBITT, H. H. J., M.A., PH.D., D.SC., F.L.S., F.Z.S., Biology
NORTH, F. K., M.A., D.PHIL., Geology
NORTHOVER, F. H., M.A., PH.D., Mathematics
PORTER, J. A., B.SC., Sociology
ROWAT, D. C., A.M., PH.D., Political Science
RUPTASH, J., M.A.SC., PH.D.
WAND, B., M.A., Philosophy
WERNHAM, J. C. S., M.A., S.T.M., Philosophy

DALHOUSIE UNIVERSITY

HALIFAX, NOVA SCOTIA

Telephone: 902: 429-1420.

Founded 1818.

President and Vice-Chancellor: H. D. HICKS, Q.C., M.A., D.ED., LL.D., D.C.L.
Vice-President: H. E. READ, O.B.E., Q.C., LL.M., S.J.D., D.C.L., LL.D.
Registrar: BEATRICE R. E. SMITH.
Librarian: J. P. WILKINSON, B.A., M.L.S.

Number of teachers: 464, including 78 professors.

Number of students: 2,320 men, 1,095 women, total 3,415.

Publications: Calendar (annually), *President's Report* (annually), *The Dalhousie Review* (quarterly), (Editor C. L. BENNET, M.A.).

DEANS:

Faculty of Arts and Science: H. B. S. COOKE, M.A., D.SC., F.R.S.S.AFR.
Faculty of Law: W. A. MACKAY, B.A., LL.M.
Faculty of Medicine: C. B. STEWART, B.SC., M.D., C.M., DR.P.H., F.A.P.H.A.
Faculty of Dentistry: J. D. MCLEAN, D.D.S., F.I.C.D.
Faculty of Graduate Studies: W. R. TROST, PH.D.
Faculty of Health Professions: R. M. MACDONALD, B.S.A., M.B., CH.B., F.R.C.P.(C.).
School of Nursing: E. A. ELECTA MACLENNAN, A.M., R.N., F.A.P.H.A. (Director).
School of Pharmacy: J. G. DUFF, B.S.P., M.SC., PH.D. (Director).
School of Physiotherapy: A. H. SHEARS, M.D., C.M. (Director).
Institute of Public Affairs: G. HENSON, B.A. (Director).
Institute of Oceanography: G. A. RILEY, M.S., PH.D. (Director).
School of Dental Hygiene: Mrs. MARY G. SLOANAKER, B.S. (Director).
Post-graduate Medical Education: L. C. STEEVES, B.A., M.D., C.M., F.R.C.P.(C.) (Director).

PROFESSORS:

Faculty of Arts and Sciences:
ADSHEAD, J. G., M.A., Mathematics
AITCHISON, J. H., B.ED., B.SC., PH.D., Political Science
ARCHIBALD, W. J., M.A., PH.D., F.R.S.C., Physics
BEACH, H. D., PH.D., Psychology
BECK, J. M., M.A., PH.D., Political Science
BEVAN, A. R., PH.D., English
BLANCHARD, J. E., M.A., PH.D., Geophysics
CHAVY, P., AGR. DES L., French
CHUTE, W. J., M.A., PH.D., Chemistry
COOKE, H. B. S., M.A., D.SC., F.R.S.S.AFR., Geology
CUMMING, R. S., M.A., Commerce
DOULL, J. A., M.A., Classics
DUFF, J. G., B.S.P., M.SC., PH.D., Pharmacy
FREIDLANDER, C. G. I., PH.D., F.G.A.C., Geology
GRAHAM, J. F., A.M., PH.D., Economics
GUPTILL, E. W., M.A., PH.D., Physics
HENSON, G., B.A., Public Administration
JAMES, P. H. R., PH.D., Psychology
MACDONALD, A. D., PH.D., Applied Mathematics
MACKENZIE, I. K., PH.D., Physics
MALTZAHN, K. E. VON, M.S., PH.D., Botany
MOWAT, A. S., M.A., B.ED., Education
PAGE, F. H., M.A., Psychology
RYAN, D. E., M.A., PH.D., Chemistry
SPROTT, S. E., M.A., B.D., PH.D., English
TINGLEY, A. J., PH.D., Mathematics
TROST, W. R., PH.D., Chemistry
UHLMAN, H. J., M.A., M.ED., PH.D., Education
WAITE, P. B., M.A., PH.D., History
WILKINSON, J. P., B.A., M.L.S.
WILSON, G. E., M.A., PH.D., LL.D., F.R.S.C., History

Faculty of Law:
MACKAY, W. A., B.A., LL.M.
MEAGHER, A. J., Q.C., B.A., LL.B.
MURRAY, R. G., B.A., LL.M.
NICHOLLS, G. V. V., Q.C., B.A., B.C.L.
READ, H. E., O.B.E., Q.C., B.A., LL.M., S.J.D., D.C.L.

Faculty of Medicine:
ALDOUS, J. G., M.A., PH.D., Pharmacology
BETHUNE, C. M., M.B.E., B.SC., M.D., C.M., Hospital Administration
COCHRANE, W. A., M.D., F.R.C.P.C., Pædiatrics
COWARD, N. B., M.D., C.M., Pædiatrics
DICKSON, R. C., O.B.E., M.D., F.R.C.P., F.A.C.P., Medicine
FYFE, F. W., M.A., M.B., CH.B., Anatomy
GOSSE, C. L., B.SC., M.D., C.M., F.A.C.S., F.I.C.S., Urology
HAMMERLING, J. S., B.SC., M.D., F.A.C.S., Otolaryngology
HATCHER, G. H., B.A., M.D., C.M., D.P.H., Preventive Medicine
HIRSCH, S., B.SC., M.D., C.M., Physiology
JONES, R. O., B.SC., M.D., C.M., F.A.P.A., Psychiatry
JOSENHANS, W., M.D., Physiology
KAPLAN, J. G., A.B., A.M., PH.D., Physiology
MCCARTER, J. A., M.A., PH.D., Biochemistry
MACDONALD, R. M., B.S.A., M.B., CH.B., F.R.C.P.(C), Medicine
MACKENZIE, I., M.B.E., M.B., CH.B., F.R.C.S.E., Surgery
MACPHERSON, L. B., M.B.E., B.SC., PH.D., Biochemistry
MACRAE, D. M., B.SC., M.D., C.M., Ophthalmology
MANCHESTER, J. S., M.D., C.M., Radiology
MORSE, W. I., M.D., C.M., F.R.C.P.(C), Medical Research
PATRICK, S. J., PH.D., Biochemistry
SAUNDERS, R. L. DE C. H., M.D., CH.B., F.R.S.ED., F.R.S.S.AF., Anatomy
STEEVES, L. C., B.A., M.D., C.M., F.R.C.P.(C), F.A.C.P., Medicine
STEWART, C. B., B.SC., M.D., C.M., DR.P.H., F.A.P.H.A., Epidemiology
STODDARD, C. C., M.D., C.M., F.A.C.A., F.I.C.A., Anæsthesia
SZERB, J. C., M.D., Pharmacology
TUPPER, W. R. C., B.SC., M.D., C.M., F.A.C.S., F.I.C.S., Obstetrics and Gynæcology
VAN ROOYEN, C. E., M.D., CH.B., D.SC., M.R.C.P., F.R.C.P.C., Bacteriology
WAINWRIGHT, S. D., PH.D., Biochemistry Research
WAUGH, D. O. W., M.D., C.M., M.SC., PH.D., Pathology
WELD, C. B., M.A., M.D., Physiology

Faculty of Dentistry:
BINGHAM, R. H., D.D.S., Oral Diagnosis
CHRISTIE, P. S., D.D.S., Orthodontics
CROSBY, H. S., D.D.S., F.I.C.D., Operative Dentistry
DEWIS, G. M., D.D.S., F.I.C.D., F.A.C.D., Prosthetic Dentistry
EATON, H. M., D.D.S., F.A.C.D., Radiology
HAVERSTOCK, A. B., D.D.S., B.SC., F.A.C.D., Dental Pathology
KERR, K. M., D.D.S., Prosthetic Dentistry
MCGUIGAN, J. P., D.D.S., F.I.C.D., Children's Dentistry
MCLEAN, J. D., D.D.S., F.I.C.D., F.A.C.D., Dentistry

UNIVERSITY OF KING'S COLLEGE

HALIFAX, NOVA SCOTIA

Telephone: 423-7497.

Founded 1789 by United Empire Loyalists; granted Royal Charter 1802; entered into association with University of Dalhousie 1923.

Chancellor: R. H. MORRIS, M.C., M.D., F.A.C.S.
President and Vice-Chancellor: H. D. SMITH, C.D., M.A., PH.D.
Vice-President: F. HILTON-PAGE, M.A.
Registrar: Rev. J. R. MCMAHON, L.TH.
Dean of Men: E. F. DUVAL, M.A.
Dean of Women: Mrs. G. L. COVERT, B.A., B.ED.

Number of professors: 13.
Number of students: 258.
Publication: *Calendar* (annual).

DEAN:

Faculty of Divinity: Rev. J. B. HIBBITTS, M.A., S.T.B., S.T.M., D.PHIL. (OXON.).

PROFESSORS:

ATHERTON, J. P., M.A., Classics
CANNON, A. G., M.A., A.K.C., F.R.S.A., English
DAWSON, R. MACG., M.A., B.S.LITT., English
GRANTER, H. S., M.A., History
HEIGHTON, E. L., M.A., Mathematics
HIBBITTS, J. B., PH.D., Biblical Studies
OUELLETTE, C., PH.D., Economics
PAGE, F. H., M.A., Psychology
REEVE, Rev. R. E., M.A., B.D., Dogmatics
ROBERTS, E., A.R.C.M., Diction
SCHAFER, D. P., M.A., Economics
STOKOE, Rev. R. J. R., DIP.TH., Pastoralia
STONE, C. W. F., B.A., B.D., Liturgics
UHLIR, F., PH.D., Sociology

LAKEHEAD UNIVERSITY

PORT ARTHUR, ONTARIO

Telephone: 807 (Port Arthur) 345-2121/2/3.

Founded 1946.

Grants B.A. and B.Sc. degrees, Diplomas in Engineering, Forestry and Mining.

Principal: H. S. BRAUN, LL.D.
Vice-Principal: D. W. MORGAN, M.A., M.B.A.
Dean of Arts: G. O. ROTHNEY, PH.D.
Librarian: R. R. GRODZICKY, B.L.S., M.A., M.DIV., PH.D.
Registrar: D. E. AYRE, B.A.
Director of Summer School and Interim Director of Extension: T. B. MILLER, M.A., PH.D.

Number of students: 309 full-time, 544 part-time.

LAURENTIAN UNIVERSITY OF SUDBURY

RAMSAY LAKE ROAD, SUDBURY, ONTARIO

Telephone: 675-1151. Area Code: 705.

Founded 1960.

Teaching is in French and English, certain faculties offering parallel programmes in both languages.

President: S. G. MULLINS, M.A.
Secretary and Registrar: A. M. NICHOLSON, B.A.
Bursar: H. LEMIRE, M.A.
Librarian: Rev. P.-E. FILION, S.J., M.L.S.

Number of teachers: 98.
Number of students (1964–65): 556 full-time, 1,202 part-time.

DEANS:

Dean of Students: M. REGIMBAL, B.A.
Faculty of Arts and Sciences: A. MCKEE, M.A., D.U.P.

HEADS OF DEPARTMENTS:

French: M. TÉTU, DR. ès L.
Religion:
Univ. of Sudbury: Rev. S. DAVIS, S.J., M.A., L.PH., L.TH.
Huntington Univ.: Rev. J. W. E. NEWBERY, B.A., B.D.
Thorneloe Univ.: Rev. D. S. FORTH, L.TH., PH.D.
Economics: A. MCKEE, M.A., D.U.P.
Mathematics: B. LAHIRI, M.SC., D.I.C., PH.D.
Biology: W. Y. WATSON, PH.D.
English: N. H. MACKENZIE, M.A., PH.D.
Physics: R. LECLAIRE, S.J., PH.D.
Chemistry: A. TOMBALAKIAN, M.A.SC., PH.D., P.ENG.
History: L. CADIEUX, S.J., M.A., PH.D.
Psychology: R. H. FARRANT, M.A., PH.D.
Business Administration: J. H. GRIGGS, M.A.

FEDERATED UNIVERSITIES:

University of Sudbury: Ramsay Lake Road, Sudbury, Ontario (conducted by the Jesuit Fathers); f. 1913.
President: Rev. L. MATTE, S.J., M.A., M.SC., ED.D.
Registrar and Vice-President: R. TREMBLAY, S.J., B.A., L.PH., L.TH., M.ED.
Dean of Students: G. GARAND, S.J., B.A., L.PH., M.A.

Huntington University: Ramsay Lake Road, Sudbury, Ontario (related to United Church of Canada); f. 1960.
President and Principal: Rev. J. W. E. NEWBERY, B.A., B.D.
Registrar: Rev. C. A. KRUG, M.A., B.D.

Thorneloe University: Ramsay Lake Road, Sudbury, Ontario.
Provost: Rev. D. S. FORTH, B.A., B.D., L.TH., PH.D. (acting).
Registrar: V. L. BERG, M.SC.

AFFILIATED COLLEGE:

Collège de Hearst: Hearst, Ontario; f. 1952.
Chancellor: Mgr. LANDRIAULT.
Rector: Rev. M. SAULNIER.

LAVAL UNIVERSITY

P.O. BOX 2208, QUEBEC, P.Q.

Telephone: 681-9611.

Founded 1852; Royal Charter signed December 1852, Pontifical Charter 1876.

Chancellor: His Excellency Mgr. MAURICE ROY, D.PH., D.TH.
Rector: Mgr. L.-A. VACHON, D.TH., D.PH.
Vice-Rectors: Mgr. A. M. PARENT, D.TH., D.PH., L.-P. BONNEAU.
Moderator: Rev. A. GRECO, M.A.
Secretary: P.-A. LABERGE, L.L.
Treasurer: F. GINGRAS, L.TH.
Director of Students: J.-C. BOUFFARD, M.COM.

Number of teachers: 1,298, including 272 professors.

Number of students: 6,202 full-time, 1,219 part-time, total 7,421.

Publications: *Laval Théologique et Philosophique* (bi-yearly), *Laval Médical* (monthly), *Le Naturaliste Canadien* (monthly), *La revue de l'Université Laval* (monthly), *L'Enseignement secondaire* (monthly), *Les cahiers de la faculté des sciences sociales* (monthly), *Ensemble* (monthly), *Le bulletin des relations industrielles* (monthly), *Les Archives de Folklore* (bi-yearly).

DEANS:

Faculty of Theology: Mgr. G. PETIT, D.D.C.
Faculty of Agriculture: R. POIRIER, M.SC., PH.D.
Faculty of Arts: Mgr. M. LAUZON, L.TH., L.PED., L.D.C., L.SOC.SC.
Faculty of Commerce: Bro. G. TARDIF, M.A.
Faculty of Education: M. BARBEAU, L.L., L.PED.
Faculty of Forestry and Geodesy: E. PORTER, F.ENG.SURV.
Faculty of Law: Y. PRATTE, LL.L.
Faculty of Letters: L. LAMONTAGNE, L.L., D.LETT.
Faculty of Medicine: R. GINGRAS, M.D.
Faculty of Philosophy: E. SIMARD, L.L., D.PH.
Faculty of Sciences: C. GEOFFRION, D.SC.
Faculty of Social Sciences: N. LEBLANC, M.SOC.SC.

PROFESSORS:

Faculty of Theology:
GRÉPAULT, Canon P. -E., D.TH., D.PH., Dogmatic Theology
IBRANYI, Mgr. F., D.TH., D.PH., Dogmatic Theology
LACOULINE, Abbé P., D.TH., L.H.S., Bible Languages
MATHIEU, Abbé A., D.TH., Dogmatic Theology
PETIT, Mgr. G., D.D.C., Canonical Studies
ROY, Abbé L., L.PH., D.TH., Dogmatic Theology
VACHON, Mgr. L. -A., D.TH., D.PH., Dogmatic Theology

Faculty of Agriculture:
ALARIE, A., PH.D., Soil Bacteriology
BÉRUBÉ, L., M.SC.SOC., Fisheries
BOULET, M., PH.D., Science of Foodstuffs
BOURGET, S., PH.D., Soil Physics
BOURQUE, L., PH.D., Horticulture
BRISSON, G., PH.D., Animal Nutrition
CAMPAGNA, E., D.SC., Botany
CHARETTE, L., PH.D., Zootechnics
CHEVRETTE, J.-E., PH.D., Improvement of Plants
DIAMENT, Mgr. J., L.SC., Physical Chemistry
GAGNÉ, C., M.A., Economic Agriculture
GAUDETTE, G., M.SC., Statistical Methods
GERVAIS, P., M.SC., PH.D., Large Scale Farming
JEAN, Canon F.-X., M.SC., D.SC.A., Large Scale Farming
LACHANCE, R., PH.D., Plant Protection
LAVIGNE, B., PH.D., Rural Economics
MAILLOUX, A., L.SC., Agricultural Geology
O'GRADY, L.-J., PH.D., Pedology
OUELLETTE, G., PH.D., Soil Fertilisation
POIRIER, R., PH.D., Animal Genetics
RIEL, A., PH.D., Biochemistry of Ailments
SAINT-PIERRE, M., PH.D., Zootechnics
SCOTT, A., M.SC., Pedology

Faculty of Arts:
CAYOUETTE, M., Aesthetics of Music
DESTROISMAISONS, Abbé L., B.A., Gregorian Singing
LAFRENIÈRE, Mgr. A., B.A., French Literature
LAMARRE, P.-H., L.LITT., Latin Institutions
LAPOINTE, C., MUS.B., Harmony
LAUZON, Mgr. M., L.TH., L.PED., L.SOC.SC., Scholastic Demography
MIVILLE, Abbé R., L.PH., L.PSY., Psychology
POULIOT, Abbé O., History of Music
TURGEON, J., B.A., Theory of Music
VALLIÈRES, H., History of Music

Faculty of Commerce:
BÉLANGER, M., L.COM., M.A., Economics
BRUNEAU, P., L.SC.COM., Verification
CATELLIER, Brother H., M.SC., D.LITT., Economic Geography
GÉLINAS, Brother H., L.PB., Deontology
GOSSELIN, Borther I., B.SC., Industrial Accountancy
HARDY, Brother S., D.SC.COM., Advanced Accountancy
HOULE, Borther A., L.SC.COM., PH.D., Statistics
LABRECQUE, Brother G., M.A., Economic Politics
MCGOLDRICK, R., M.SC., Marketing
RIVERIN, A., M.B.ADM., Theory of Accounts
ROLAND, E., LL.D., Industrial Relations
TARDIF, Brother G., M.A.

Faculty of Education:
BARBEAU, M., LL.L., L.PED., Didactics
DUVAL, Abbé R., L.GUID., Counselling
GAUTHIER, A., L.SC., L.PH., D.PED., Didactics
L'ARCHEVEQUE, P., M.A., D.PED., Docimology
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Presbyterian College: 3690 Peel Street, Montreal, P.Q.
Principal: Rev. R. LENNOX, M.A., TH.B., D.D.

United Theological College: 3508 University Street, Montreal, Quebec; f. 1926, uniting the Congregational College of Canada (f. 1864), and the Wesleyan College (f. 1879).
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Number of teachers: 259, including 58 professors.

Number of students: 4,154 men, 1,842 women, total 5,996.

Publications: *The Silhouette* (weekly), *The Muse* (quarterly), *The Marmor* (annually) (student editors).

DEANS:

Faculty of Arts: A. W. PATRICK, M.A., D.U.P.

Faculty of Science: R. P. GRAHAM, M.A., A.M., PH.D., F.C.I.C.

Faculty of Graduate Studies: H. E. DUCKWORTH, PH.D., F.R.S.C.

Faculty of Engineering: J. W. HODGINS, B.A.SC., PH.D., F.C.I.C.

Department of Extension: J. MELLING, M.A.

Faculty of Theology: N. H. PARKER, B.S., TH.M., TH.D., D.D.

Women: MARION BATES, B.A., D.C.L., REG.N.

PROFESSORS:

ALDWINCKLE, R. F., M.A., D.TH., Theology
BANASCHEWSKI, B., M.A., PH.D., Mathematics
BANKIER, J. D., M.A., PH.D., Mathematics
BOURNS, A. N., B.SC., PH.D., Organic Chemistry
BROCKHOUSE, B. N., M.A., PH.D., F.R.C.S., Physics
CLIFFORD, P. R., M.A., Religion
CONLON, P. M., M.A., D.U.P., French
DAVIES, D. M., PH.D., Zoology
DUCKWORTH, H. E., PH.D., F.R.C.S., Physics
DULMAGE, H. A., B.D., PH.D., Philosophy
FREEMAN, H. A., M.A., French
FRENCH, G. S., M.A., PH.D., History
GILLESPIE, R. J., PH.D., D.SC., Chemistry
GLADWIN, A. S., PH.D., Electrical Engineering
GRAHAM, J. E. L., M.A., B.LITT., Political Economy
GRAHAM, R. P., M.A., PH.D., F.C.I.C., Chemistry
GRANT, G. P., D.PHIL., Religion
HANNELL, F. G., B.SC., PH.D., Geography
HODGINS, J. W., B.A.SC., PH.D., F.C.I.C., Chemical Engineering
HUBER, D. G., M.SC., PH.D., Mechanical Engineering
JENKINS, H. M., A.B., PH.D., Psychology
JOHNS, M. W., M.A., PH.D., Physics
JOHNSON, A. I., B.A.SC., PH.D., M.CH.E. Chemical Engineering
JONES, F. E., M.A., PH.D., Sociology
KAMIN, L. J., A.M., PH.D., Psychology
KING, G. W., PH.D., Chemistry
KIRKALDY, J. S., M.A.SC., PH.D., Metallurgy
KLEEREKOPER, H., M.A., PH.D., DR. ès SC., Zoology
LANE, N. D., M.A., PH.D., Mathematics
LANG, H. W., M.A., B.D., S.T.M., D.D., New Testament Interpretation
MCCREADY, H. W., M.A., PH.D., History
MCIVOR, R. C., M.A., PH.D., Political Economy
MCKAY, A. G., M.A., A.M., PH.D., Classics
MCLAY, A. B., M.A., PH.D., F.R.S.C., Physics
MACLEAN, D. B., PH.D., F.C.I.C., Chemistry
MILLER, J. J., PH.D., Botany
NACE, P. F. F., M.A., PH.D., Biology
NEWBIGGING, P. L., B.A., M.A., PH.D., Psychology
PARKER, N. H., TH.M., TH.D., L.D.D., Hebrew and Old Testament Interpretation
PATRICK, A. W., M.A., D.U.P., Romance Languages
PETCH, H. E., M.SC., PH.D., Metallurgy and Metallurgical Engineering
POTTER, C. C., B.SC.(COMM.), M.COMM., PH.D., L.A., C.A., Commerce
PRESTON, M. A., M.A., PH.D., Physics
RADFORTH, N. W., M.A., PH.D., Botany
REEDS, L. G., M.A., PH.D., Geography
SABIDUSSI, G. O., PH.D., Mathematics
SALMON, E. T., M.A., PH.D., F.R.S.C., F.R.HIST.S., Ancient History
SHAW, D. M., M.A., PH.D., Geology
SHEPHERD, D. M., M.A., PH.D., Mathematics
SPENCER, I. D., PH.D., F.R.I.C., F.C.I.C., Biochemistry
STOCK, M. L., M.A., PH.D., French
SUMNER, D. B., M.A., D.PHIL., M.SC., Mathematics
THODE, H. G., M.B.E., M.SC., PH.D., D.SC., LL.D., F.R.S., F.R.S.C., F.C.I.C., Physical Chemistry
TOMLINSON, R. H., M.A., PH.D., Chemistry
TRACY, H. L., PH.D., Classics
WARD, R. G., M.A., PH.D., Metallurgy
WILES, R. M., M.A., PH.D., English
WYNNE, I., B.A., H.S., Physical Education

UNIVERSITY OF MANITOBA

WINNIPEG, MANITOBA

Telephone: Grover 4-9110.

Founded 1877.

Chancellor: Mr. Justice S. FREEDMAN, LL.D.

Vice-Chancellor and President: H. H. SAUNDERSON, M.SC., PH.D., LL.D., D.SC., F.C.I.C.

Registrar: D. CHEVRIER, B.A.

Vice-President (Academic): W. J. WAINES, M.A.

Vice-President (Development): H. E. DUCKWORTH, PH.D., F.R.S.CON.

Vice-President (Administration): W. J. CONDO, B.A.

Librarian: D. W. FOLEY, B.A., B.L.S., M.L.S.

Number of teachers: 840; 487 full-time, 353 part-time.

Number of students: 4,778 men, 1,892 women, total 6,670.

Publications: *Calendar, Announcements, Syllabus of Schools*, etc.

DEANS:

Faculty of Arts and Science: W. M. SIBLEY, M.A., PH.D.

Faculty of Agriculture and Home Economics: L. H. J. SHEBESKI, M.SC.

Faculty of Dentistry: J. W. NEILSON, D.D.S., M.SC., F.A.C.D.

Faculty of Medicine: L. G. BELL, M.B.E., M.D., LL.D., F.R.C.P., F.A.C.P.

Faculty of Engineering: J. HOOGSTRATEN, M.SC., M.E.I.C.

Faculty of Education: J. M. BROWN, M.ED., ED.D.

Faculty of Architecture: J. A. RUSSELL, M.ARCH.

Faculty of Graduate Studies and Research: B. L. FUNT, M.SC., PH.D., F.C.I.C.

Faculty of Law: C. H. C. EDWARDS, LL.B.

School of Music: L. ISAACS, A.R.C.M.

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School of Social Work: HELEN MANN, M.A., A.M.

School of Nursing: MARGARET HART, M.A., ED.D., R.N.

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School of Medical Rehabilitation: L. H. TRUELOVE, M.A., M.R.C.P.

School of Pharmacy: J. R. MURRAY, M.SC., PH.D.

School of Home Economics: LORNA M. DAVIS, M.A.

School of Dental Hygiene: MARGERY G. E. FORGAY, DIP.D.H.

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COISH, H. R., M.SC., M.A., PH.D., Physics
CONNOR, R. D., PH.D., A.INST.P., Physics
DONNELLY, M. S., PH.D., Political Science
DUCKWORTH, H. E., PH.D., F.R.S.CAN., Mathematics
DUNN, G. E., M.A., PH.D., Chemistry
DURRANT, G. H., M.A., English
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HARRIS, R., M.A., Commerce
ISAACS, L., B.MUS., Music
JENSEN, C. A. E., M.A., PH.D., French
JONES, C. M., M.A., D.U.P., French
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LAWSON, J. W., M.A., PH.D., Mathematics
LEES, H., PH.D., Microbiology
LEITH, E. I., M.SC., Geology and Mineralogy
MANN, HELEN, M.A., A.M., Social Work
MAURER, K. W., PH.D., German
MAYER-OAKES, W. J., A.M., PH.D., Anthropology
MCEWEN, W. H., M.SC., PH.D., Mathematics
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WILSON, H. D. B., PH.D., F.R.S.C., Geology and Mineralogy
ZUBEK, J. F., M.A., PH.D., Psychology

Faculty of Agriculture and Home Economics:

DAVIS, LORNA M., M.A., Home Economics
FERGUSON, A. C., PH.D., Plant Science
GILSON, J. C., M.SC., PH.D., Agricultural Economics
HEDLIN, R. A., M.SC., PH.D., Soil Science
HELGASON, S. B., PH.D., Plant Science
JENKINS, B. C., M.SC., PH.D., Plant Science
KONDRA, P. A., M.SC., PH.D., Animal Science
NESBITT, J. M., M.SC., PH.D., Dairy Science
SHEBESKI, L. H. J., M.SC., Plant Science
SINCLAIR, S., M.SC., PH.D., Agricultural Economics
STRINGAM, E. W., M.SC., PH.D., Animal Science
THORSTEINSON, A. J., PH.D., Entomology

Faculty of Medicine:
ALEXANDER, W., M.D., Otolaryngology
BELL, L. G., M.B.E., M.D., F.R.C.P., Medicine
BERTALANFFY, M.SC., PH.D., Anatomy
BEST, B., M.D., F.R.C.S., Obstetrics and Gynæcology
BLACK, ELINOR, M.D., F.R.C.O.G., F.A.C.S., Obstetrics and Gynæcology
BLANCHAER, M.-C., M.D., C.M., Biochemistry
CHOWN, H. B., M.C., M.D., Pediatrics
DOUPE, J., M.D., M.R.C.P., Physiology
FERGUSON, C. C., M.D., F.R.S.C.(C), Surgery
GEMMELL, J. P., M.D., M.R.C.P., Medicine
INNES, I. R., M.D., Pharmacology
KROLMAN, G. M., M.D., F.R.C.S., Ophthalmology
MACPHERSON, R. A., M.D., C.M., Radiology
MEDOVY, H., M.D., F.R.C.P.CAN., Pædiatrics
MOORE, K. L., PH.D., Anatomy
NICKERSON, M., M.D., SC.M., PH.D., Pharmacology
RIDGE, J. M., M.D.
ROULSTON, T. M., M.B., B.A.O., F.R.C.O.G., Obstetrics and Gynæcology
SISLER, G. C., M.D., F.R.C.P., Psychiatry
THOMPSON, I. M., M.B., F.R.S.C., F.R.S.E., Anatomy
WILT, J. C., M.D., M.SC., F.A.C.P., Bacteriology
WYATT, M.D., Pathology

Faculty of Dentistry:
BRASS, G. A., D.D.S., F.I.C.D., Restorative Dentistry
HART, H. W., D.M.D., F.A.C.D., Prosthodontology
KLEINBERG, I., D.D.S., PH.D., Biochemistry
NEILSON, B. A., D.D.S., M.SC., F.I.C.D., F.A.C.D., Oral Biology
SCHRAM, W. R., D.D.S., M.S.D., Oral Surgery

Faculty of Engineering:
CHANT, R. E., M.ENG.(MECH.), M.A.S.M.E.
HOOGSTRATEN, J., M.SC., M.E.I.C.
McMATH, J. P. C., B.SC.(E.E.), M.E.I.C.

Faculty of Architecture:
HARLAND, JOAN M., M.A., Interior Design
RUSSELL, J. A., M.ARCH., Architecture
SELLORS, R., M.ARCH., Architecture

Faculty of Education:
BROWN, J. M., M.ED., ED.D.

School of Nursing:
HART, MARGARET E., M.A., ED.D., R.N.

AFFILIATED COLLEGES:

St. Boniface College: St. Boniface (Roman Catholic Church); f. 1818.
Rector: Very Rev. A. DUCHARME, S.J.
Number of students: 88 men, 48 women, total 136.

St. John's College: Winnipeg (Anglican Church); f. 1866.
Warden: Rev. C. C. LANDON, M.A., PH.D.
Dean of Arts and Science: G. L. BRODERSEN, M.A.
Dean of Theology: Rev. B. E. M. WOOD, M.A., L.TH.
Number of teachers: 30.
Number of students: 159 men, 96 women, total 255.

United College: Winnipeg; United Church of Canada; f. 1871.
Principal: Rev. W. C. LOCKHART, M.A., PH.D., D.D.
Dean of Arts and Science: E. D. EAGLE, M.A., PH.D.
Dean of Theology: Rev. R. B. TILLMAN, B.A., B.D.
Number of teachers: 156.
Number of students: 1,055 men, 490 women, total 1,545.

St. Paul's College: Winnipeg (Roman Catholic Church); f. 1926.
Rector: Very Rev. D. BURKE-GAFFNEY, S.J.
Number of teachers: 33.
Number of students: 258 men, 147 women, total 405.

Brandon College: Brandon; f. 1899.
President: J. E. ROBBINS, PH.D., LL.D.
Dean of Science: H. S. PERDUE, M.A., PH.D.
Dean of Arts: R. F. B. KING, M.A., PH.D.
Dean of Education: W. W. McCUTCHEON, M.S.A., ED.D.
Number of teachers: 76.
Number of students: 311 men, 149 women, total 460.

Manitoba Law School: Winnipeg; f. 1914.
Dean: C. H. C. EDWARDS, LL.B.
Number of teachers: 20.
Number of students: 178 men, 12 women, total 190.

MEMORIAL UNIVERSITY OF NEWFOUNDLAND

ST. JOHN'S, NEWFOUNDLAND

Telephone: 9-5081.

Founded 1925 as Memorial University College, established as a University 1949.

Chancellor: Rt. Hon. Lord THOMPSON OF FLEET.
President and Vice-Chancellor: R. GUSHUE, C.B.E., Q.C., D.C.N.L., LL.D.
Registrar: H. T. RENOUF, J.P., F.C.I.S.
Bursar: D. C. BARTER.

Number of teachers: 150, including 19 professors.
Number of students: 3,101.

DEANS:

Dean Emeritus: A. C. HUNTER, M.A., Docteur d'Université, Officier d'Académie.
Faculty of Arts and Science: M. O. MORGAN, M.A.
Faculty of Education: G. A. HICKMAN, M.A., D.ED.
Faculty of Applied Science: S. J. CAREW, D.ENG.

PROFESSORS:

ANDERSON, H. J., M.SC., PH.D., Chemistry
ALDRICH, F. A., M.SC., PH.D., Biology
ANDREWS, C. W., M.A., PH.D., Biology
ASHLEY, J. B., M.A., PH.D., Classics
BLUNDON, W. J., M.A., Mathematics
BRECKON, S. W., PH.D., Physics
BRUECKNER, W. D., PH.D., Geology
BULLOCK, E., M.A., PH.D., Chemistry
CAREW, S. J., B.SC., B.E., Engineering
COOPER, D. L., M.SC., PH.D., Chemistry
COPES, P. M. A., PH.D., Economics
FACEY, J. M. C., B.SC., Engineering
HICKMAN, G. A., M.A., ED.D., Education
MORGAN, M. O., M.A., Political Science
PITT, G., M.A., PH.D., English
ROWE, W. G., M.A., Education
SEARY, E. R., M.A., PH.D., English
STOKER, J. T., M.A., D.U.P., Modern Languages
STORY, G. M., D.PHIL., English
SUMMERS, W. F., M.SC., PH.D., Geography
WHITAKER, I. R., M.A., DR.PHIL., Sociology and Anthropology

UNIVERSITY OF MONCTON

MONCTON, NEW BRUNSWICK

Telephone: Moncton 389-2651.

Founded 1864 as St. Joseph's University; name changed 1963.

Chancellor: H.E. N. ROBICHAUD, D.TH.
Rector: Rev. C. CORMIER, LL.D., PH.D., S.TH.L.
Secretary-General: Rev. R. ROSSIGNOL, B.A.
Librarian: R. LEBLANC, B.A

Number of students: 500.

DEANS:

Faculty of Arts: Rev. R. L. DESJARDINS, B.A., M.ED.
Faculty of Sciences: Rev. P. BOURQUE, M.SC.

PROFESSORS:

BLANCHARD, R., French
BOURQUE, L., Accounting
BOURQUE, P., Civil Engineering and Surveying
CADIEUX, J., Accounting
CAMPBELL, S., English
CHAMARD, M., French
COLLETTE, J., Accounting
CORMIER, G., Mental Hygiene
CORMIER, J., Chemistry
DAIGLE, L. M., Philosophy
DESJARDINS, R. L., Psychology
FERGUSON, O., Accounting
LEBLANC, R., Electricity
LONGVAL, J. R., Civil Engineering and Surveying
McCRAE, D., Civil Engineering and Surveying
MARCOTTE, N., Civil Engineering and Surveying
McLANSON, J. L., Biology
NEWBOLD, B. T., Chemistry
POGANI, G., Mine Research
RENAUD, A., Psychology
RICHARD, A., Philosophy
SOUCY, Q., Philosophy
TAILLON, B. L., Modern Languages

UNIVERSITY OF MONTREAL

MONTREAL 1, QUEBEC

Telephone: 733-9951.

Founded 1876.

Chancellor: H.E. Cardinal PAUL-EMILE LÉGER, P.S.-S., L.TH., D.C.L.
Rector: R. GAUDRY, D.SC.
Vice-Rector: L. PICHÉ, L.SC.CHIM., PH.D., F.C.I.C.
Secretary-General: L. LORTIE, D.SC.PHYS. (PARIS), HON. D.SC. (OTT. and CAEN), L.SC.CHIM., F.R.S.CAN.
Treasurer: P. HUOT, L.SC.COM., C.A.
Assistant to the Rector: H. FAVRE, ING.CHIM., DIPL. E.P.F., D.SC. (ZÜRICH), F.C.I.C.

Director of Public Relations and Assistant to the Rector: A. BACHAND, M.S., L.SC.COM., LL.L.

Registrar: C. SAINT-ARNAUD, L.SC.PHYS., M.SC., PH.D.

Librarian: MARGUERITE DENSKY, M.A., D.PHIL., DIPL. BIBL.

Number of teachers: 2,702.

Number of students: 23,405 full-time and part-time.

Publications: *L'Ingénieur, L'Actualité économique, L'Action universitaire, Annuaire Général et Annuaires des facultés écoles, La Revue trimestrielle Canadienne, La Revue Médicale, La Revue de biologie, Contribution à l'étude des sciences de l'homme, Etudes slaves et est-européennes, Revue de Conjoncture.*

DEANS:

Faculty of Theology: Rev. F. PARADIS, D.TH.

Faculty of Law: Me M. CARON, C.R., LL.D.

Faculty of Medicine: L.-L. COUTU, M.D.

Faculty of Philosophy: L. MARTINELLI, P.S.-S.

Faculty of Letters: P. DAGENAIS, L.SC.(COMM.), D.LETT.

Faculty of Sciences: H. FAVRE, D.SC.TECH., ING.CHIM., DIPL. E.P.F., F.C.I.C.

Faculty of Dental Surgery: J.-P. LUSSIER, PH.D., D.D.S., F.I.C.D., F.A.C.D.

Faculty of Pharmacy: R. LAROSE, D.PHARM.

Faculty of Social Sciences: P. GARIGUE, B.SC.ECON. (LOND.), PH.D. (LOND.).

School of Hygiene: Dr. A. FRAPPIER, M.D., L.SC.

Faculty of Arts: Mgr. P. DÉCARY, P.D.

Faculty of Music: C. MORIN, P.S.-S., D.TH., L.E.S.

PROFESSORS:

Faculty of Theology:
- BOLTÉ, P.-E., D.TH., L.SC.S., Social Sciences
- DESROSIERS, J.-P., D.TH., D.PH., Moral Theology
- DORRIS, R., D.TH., Moral Theology
- FOURNIER, R., D.TH., Ascetic and Mystic Theology
- LESIEUR, R., D.TH., Liturgy
- MORIN, C., D.TH., L.E.S., Holy Scripture
- PARADIS, F., D.TH., Spirituality
- YELLE, G., D.TH., Dogmatic Theology

Faculty of Law:
- CARON, M., LL.D., Civil Law, Philosophy of Law
- COMTOIS, R., LL.L., Civil Law, Notarial Procedure
- MAYRAND, A., LL.L., L.S.P., Civil Law

Faculty of Medicine:
- BEAUREGARD, JEAN MARIE, M.D., Medical Clinic
- BLAIS, M., M.D., Macroscopic Anatomy
- BRUNEAU, J., M.D., Surgery
- CHARBONNEAU, H., M.D., Pædiatrics
- CORDEAU, J. P., Neurophysiology
- DESJARDINS, E., M.D., Surgical Pathology
- DUFRESNE, R., M.D., Materia Medica and Therapeutics
- DUSSAULT, R., M.D., Medicine
- FAVREAU, C., M.D.
- FERRON, M., M.D.
- FRAPPIER, A., M.D., L.SC., Bacteriology
- FRAPPIER, J., M.D., Histology and Embryology
- GINGRAS, G., M.D., Physical Medicine
- GRIGNON, C.-E., M.D., Medical Clinic
- HÉBERT, C., M.D., Surgical Clinic
- JUTRAS, A., M.D., Radiology
- LAMOUREUX, M., M.D., Surgical Clinic
- LEFRANÇOIS, C., M.D., Surgery
- LETENDRE, P., M.D., Medical Clinic
- LONGTIN, L., M.D., Anæsthesia
- POIRIER, L., M.D., Histology and Embryology
- PRÉVOST, J., M.D., Medicine
- RIOPELLE, J.-L., M.D., Pathological Anatomy
- ROBERT, P., M.D., Medical Clinic
- ROBILLARD, E., M.D., Physiology
- ROUSSEL, J.-M., M.D., Forensic Medicine and Toxicology
- SAUCIER, J., M.D., Neurology and Psychiatry
- SELYE, H., M.D., PH.D., D.SC., M.R.S.C., Experimental Medicine and Surgery

Faculty of Philosophy:

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- LACOSTE, P., D.PH. (PARIS)
- LACROIX, Rev. B. M., B.PHIL.
- LANDRY, Rev. A.-M., O.P., D.PH., S.TH.L.
- MARTINELLI, L., P.S.-S., L.PH.
- RÉGIS, Very Rev. L.-M., O.P., D.PH., S.TH.M.
- SYLVESTE, Rev. A., C.S.-V., D.PH.

(*b*) *Institute of Medieval Studies*
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- PAPILLON, Rev. A., O.P., S.TH.L., D.TH.
- RÉGIS, Very Rev. L.-M., O.P., S.TH.M., PH.D.

(*c*) *Institute of Psychology*
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- PINARD, Rev. A., C.S.-V., S.TH.L., D.PH.

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- DE GROOT, J., D.LETT., Ancient Languages and Literature
- DOMARADZKI, T. F., L.PH., D. ès L., Slavonic Studies
- GARRY, R., L.L.L., DIPL. D'ET. SUP. (PARIS)
- GREENWOOD, T., M.A., D.LETT., D.SC., English Language and Literature
- LE GRAND, A., M.A., PH.D.
- VINAY, J.-P., M.A., L.LETT., Philology and Phonetics

Faculty of Sciences:
- BARRÉ, R., B.PHARM., L.SC.CHIM., D.SC., Chemistry
- BRUNEL, J., L.SC.NAT., Botany
- DANSEREAU, P., B.SC.A., D.SC., F.R.S.C., Botany
- DEERS, J. M., D.SC. (LAVAL), L.SC.(A)
- DEMERS, P., M.SC., D.SC.PHYS., F.R.C.S. Physics
- GAUTHIER, ABEL, L.SC., M.A., Mathematics
- GAUTHIER, R., L.SC.NAT., D.SC., Botany
- L'ABBÉ, M., L.SC.MATH., M.A., PH.D., Mathematics
- LORRAIN, P., M.SC., PH.D., Physics
- PAGÉ, E., L.SC.A., PH.D., F.R.S.C., Biology
- PIRLOT, P., L.PH.L., L.SC.ZOOL. (LOUVAIN), PH.D., D.SC. (LONDON)
- ROULEAU, E., L.SC.NAT., M.SC., PH.D., Botany
- ST.-PIERRE, J., L.SC.PHYS., L.SC.MATH., M.SC., PH.D.

Faculty of Dental Surgery:
- DEMONTIGNY, G., D.D.S., F.A.C.D., F.I.C.D., Oral Surgery
- DESCHENES, G. H., D.D.S., Surgical Dentistry
- FONTAINE, J., D.D.S.
- GAUTHIER, G., D.D.S., Dental Anatomy
- GEOFFROIN, P., D.D.S., Orthodontics
- NADEAU, J., D.D.S., Prosthesis
- ROBICHAUD, H. M., D.D.S., Crown and Bridge Prosthesis
- TROTTIER, J.-P., D.D.S., Crown and Bridge Prosthesis

Faculty of Pharmacy:
- ARCHAMBAULT, A., B.PHARM.
- LABARRE, J., B.PHARM., D.SC., Organic and Pharmaceutical Chemistry
- LAROSE, R., B.PHARM., Biochemistry
- MARTIN, E. A., B.PHARM., D.SC., Chemistry

Faculty of Social Sciences:
- GARIGUE, P., B.SC.ECON., PH.D.
- GUILLEMETTE, Rev. Fr. A. M., O.P., LL.L., L.TH., L.S.P.
- ROCHER, G., M.A. (LAVAL), PH.D. (HARVARD)

School of Hygiene:
- CHARBONNEAU, GABRIELLE, I.H.L., B.A., M.SC., Nursing Hygiene
- CHARBONNEAU, J.-H., M.D., Infectious Diseases
- FOLEY, A. R., B.L., M.D., DR.H.P., F.A.P.H.A., Epidemiology, Tuberculosis
- FRAPPIER, A., M.D., L.SC., F.A.P.H.A., F.R.S.C., Tuberculosis
- GILBERT, J., M.D., D.H.P., F.A.P.H.A., Medical Sociology
- GROULX, A., M.D., M.H.P., F.R.S.I.(E.), F.A.P.H.A., Organisation of Public Health
- LAFRENIÈRE, T.-J., I.C., B.SC.A., M.SC., Urban Sanitation
- PANISSET, M., D.V., Microbiology, Immunology and Serology
- PLANTE, L., L.PED., L.SC.S., M.A., M.H.P., Health Education
- SYLVESTRE, J.-E., M.D., D.H.P., Nutrition
- TOURANGEAU, F., M.D., D.H.P., C.H.P., Industrial Hygiene—Medical
- VALOIS, A.-B., M.D., M.H.P., Biometry

Faculty of Arts:
There are 32 affiliated Arts Colleges, with a total teaching staff of 615.

Faculty of Music:
There are 17 instructors.

Faculty of Nursing:
- GIRARD, Miss A., C.P.H.N.TOR., B.SC., N.ED., M.A.

AFFILIATED BODIES:

Agricultural Institute at Oka: f. 1893.
Director: Rev. Fr. NORBERT, O.C.S.O., L.S.A.

Ecole des hautes études commerciales: f. 1907.
Director: Prof. R. CHARBONNEAU, L.SC.COM., C.A.

Ecole normale secondaire: f. 1941.
Director: Rev. G. PERRAS, P.S.S.

Ecole polytechnique: f. 1873.
Director: H. GAUDEFROY, B.SC.A., B.S., I.C., I.E.

Institut de pédagogie familiale: f. 1943.
Director: Rev. Sister MARIE THEODORE DE LA CROIX.

Institut Marguerite d'Youville: f. 1934.
Director: Rev. Sister DENISE LEFEBVRE, S.G.M.

Institut pédagogique (C.N.D.).
Director: Rev. Sister STE. MADELEINE-DU-SACRÉ-COEUR.

Institut pédagogique St. Georges: f. 1929.
Director: Rev. Bro. CHARLES, E.C., M.SC.ED., D.PED.

Institut Supérieur d'administration hospitalière: f. 1956; annexed to the School of Hygiene.
Director: G. BLAIN, M.D.

Institute of Dietetics and Nutrition: annexed to the Faculty of Medicine.
Director: Miss RACHEL BEAUDOIN, D.SC.

Institute of Experimental Medicine and Surgery: annexed to the Faculty of Medicine.
Director: H. SELYE, M.D., PH.D., D.SC., F.R.S.C.

Institute of Microbiology and Hygiene.
Director: A. FRAPPIER, M.D., L.SC.

Montreal Cancer Institute: annexed to the Faculty of Medicine.
Director: L. C. SIMARD, M.D.

School of Medical Technology: annexed to the Faculty of Medicine.
Director: R. BEAULIEU, M.D.

School of Optometry.
Director: J. A. MESSIER, O.D.

School of Rehabilitation: annexed to the Faculty of Medicine.
Director: G. E. GINGRAS, M.D.

Veterinary Medical School at Saint Hyacinthe: f. 1886.
Director: J. DUFRESNE, B.S.A., D.M.V., D.V.P.H.

MOUNT ALLISON UNIVERSITY

SACKVILLE, NEW BRUNSWICK

Telephone: 536-0330.
Telegraphic Address: Mt. Allison.

Founded 1840.

Chancellor: R. P. BELL, O.B.E., D.C.L.
President and Vice-Chancellor: L. H. CRAGG, M.A., D.C.L., D.SC., PH.D., F.C.I.C.
Vice-President and Faculty Dean: W. S. H. CRAWFORD, M.A., PH.D.
Registrar and Assistant to the President: D. A. CAMERON, B.SC.
Librarian: L. MACC. ALLISON, B.A., B.L.S.

Number of teachers: 99, including 22 professors.

Number of students: 1,249.

Publications: *Science and Society, Canadian Politics* and *French Canada Today, The Commonwealth Today, Canada, The Commonwealth and the Common Market, Canada and the West Indies Federation.*

DEANS:

Dean of Men: D. MCA. MALAULAY, B.A., B.S.W.
Dean of Women: Mrs. GENEVE FORBES.

PROFESSORS:

BARCLAY, L. R. C., M.SC., PH.D., Chemistry
BAXTER, C. A., M.A., PH.D., Philosophy
BEXTON, W. H., M.A., PH.D., Psychology
BOORNE, R. A., B.SC., Engineering
BROWN, H., M.A., MUS.B., Music
CRAKE, J. E. A., M.A., PH.D., Classics
CRAWFORD, D. P., M.SC., PH.D., Physics
CRAWFORD, W. S. H., M.A., PH.D., Mathematics
CUNNINGHAM, W. B., M.A., PH.D., Economics
CUTHBERTSON, A. C., M.SC., PH.D., Chemistry
DUCHEMIN, L., M.A., PH.D., English
EBBUTT, A. J., D.TH., D.D., Religion
HARRIS, L., A.R.C.A., O.S.A., Fine Arts
LOCKWOOD, P. A., M.A., History
MACBETH, A., M.A., French
MACGREGOR, D. G., M.A., D.SC., Physics
MACLAUCHLIN, D. W., PH.D., Chemistry
NOBLE, W. J., M.SC., M.A., PH.D., Physics
ROBBINS, R. H., PH.D., F.R.S.L., English
RUNCIMAN, DORIS, M.A., LL.D., Home Economics
SOUTHAM, H. D., M.A., D.PAED., Education
STALLWORTHY, W. B., PH.D., Biology
WILLIAMSON, D. H., PH.D., F.G.S., Geology

MOUNT SAINT VINCENT COLLEGE

HALIFAX, NOVA SCOTIA

Telephone: 455-5441

Founded 1925.

Rector: Sister ALICE MICHAEL, M.A., PH.D.
Registrar: Sister MARGARET MARY, M.A.
Librarian: Sister FRANCIS DOLORES, M.L.S.
Dean of Arts and Science: Sister MARY LIGUORI, M.A., PH.D.

Number of teachers: 50.
Number of students: 575.

PROFESSORS:

AGNES, MARIE, M.A., PH.D., English
ALBERTUS, MARY, M.A., PH.D., Education
CARMEL, FRANCES, L.M.S., PH.D., Philosophy
EVELYN, MARY, M.A., PH.D., Chemistry
VAN GINKEL, H., D.LL., LITT. HUM. D., Classics
HELEN, MARIE, M.A., D.LITT., French

UNIVERSITY OF NEW BRUNSWICK

FREDERICTON, NEW BRUNSWICK

Telephone: Granite 5-9471.

Telegraphic Address: UNB Fredericton.
Established 1785.

Chancellor: (Vacant).
President and Vice-Chancellor: C. B. MACKAY, Q.C., D.C.L., LL.D.
Vice-President (Academic): A. G. BAILEY, M.A., PH.D., F.R.S.C.
Vice-President (Administration): B. F. MACAULAY, B.SC.
Comptroller and Secretary to the Senate: C. L. MAHAN.
Registrar: EDITH G. MCLEOD, B.A.
Librarian: GERTRUDE E. GUNN, M.A., M.SC., PH.D.

Number of teachers: 187, including 42 professors.

Number of students (1964–65): 2,964.

DEANS:

Faculty of Arts: W. S. MACNUTT, M.A., F.R.HIST.S.
Faculty of Education: R. J. LOVE, M.A.
Faculty of Engineering: J. O. DINEEN, M.SC.
Faculty of Forestry: J. W. KER, M.F., D.FOR.
Faculty of Science: C. W. ARGUE, C.B.E., M.S., D.SC.
Faculty of Law: W. F. RYAN, Q.C., LL.M.
School of Graduate Studies: W. C. D. PACEY, PH.D., F.R.S.C.
School of Nursing: KATHERINE E. MACLAGGAN, M.A., PH.D., R.N. (Director).

PROFESSORS:

ARGUE, C. W., C.B.E., M.SC., D.SC., Biology
BAILEY, A. G., M.A., PH.D., F.R.S.C., History
BEATTIE, IRA M., M.S., Civil Engineering
BOONE, A. E., M.A., Physics
BROWN, N. R., M.A., Forest Entomology
CATTLEY, R. E. D., M.A., Classics and Ancient History
CHAPMAN, J. K., M.A., PH.D., History and Anthropology
COGSWELL, F. W., M.A., PH.D., English
COLLIER, R. J., M.SC., Electrical Engineering
DINEEN, J. O., M.SC., Electrical Engineering
EDWARDS, L. P., M.A., Mathematics
GALLOWAY, D. R., M.C., M.A., English
HERISSON, C. D., L. ès. L., M.A., D. en. D., DIP.E.SC.PA., F.R.S.C., Romance Languages
HUBENER, J. I., DR.PHIL., German
JOHNSTONE, J. K., M.A., PH.D., F.R.S.L., English
KER, J. W., M.F., D.FOR., Forestry
LA FOREST, G. V., M.A., Law
LONG, H. D., M.SC., Silviculture
LOVE, R. J., M.A., Education
MCALLISTER, A. L., PH.D., Geology
MCALLISTER, G. A., M.A., LL.M., Law
MCANDREW, W. A. G., B.A., D.U.P., Romance Languages
MACLAGGAN, KATHERINE E., M.A., PH.D., R.N., Nursing
MACNUTT, W. S., M.A., F.R.HIST.S., History
MAHER, E. D., M.B.A., Business Administration
MEAGHER, J. W., M.SC., D.ED., Physical Education
PACEY, D., PH.D., F.R.C.S., English
ROSENBERG, R. L., M.A., PH.D., D.I.C., Mathematics
SEARS, J. W., Q.C., LL.D., Law
SEHEULT, L. R., M.SC.F., Logging
SHEMILT, L. W., M.SC., PH.D., Chemical Engineering
SMITH, W. Y., M.A., Economics and Politica Science
SNODGRASS, FLORENCE T., ED.M., PH.D., Psychology
STEWART, W. F. M., M.A., PH.D., Philosophy
TAYLOR, A. R. A., PH.D., Biology
TOOLE, F. J., M.SC., PH.D., D.S.C., Chemistry
VALENTA, Z., DIPL. ING. CHEM., M.SC., PH.D., Chemistry
WEISNER, L., A.M., PH.D., Mathematics
WHEATLEY, E. E., M.SC., Mechanical Engineering
WIESNER, K., R.N.DR., MEM.N.Y.ACAD.SC., F.R.S.C.

NOTRE DAME UNIVERSITY OF NELSON

NELSON, BRITISH COLUMBIA

Telephone: 352-2241.

Founded 1963.

Chancellor: Most Rev. W. E. DOYLE, D.D., J.C.D., Bishop of Nelson.

Vice-Chancellor: Rt. Rev. Mgr. A. K. McINTYRE, V.G.
President: Rev. Dr. A. THOMAS, S.A.
Vice-President: Rev. Dr. L. R. McKENZIE.
Dean of Studies: Dean D. F. LARDER.
Dean of Women: Mrs. M. B. McMILLAN.
Dean of Men: Rev. J. W. DULONG.
Registrar: G. DELLA MATTIA.
Librarian: Miss C. SPROVIERI.
Director of the School of Medical Record Library Science: Sister MARY CATHERINE, S.S.A.

Number of teachers: 56.
Number of students: 650.

NOVA SCOTIA AGRICULTURAL COLLEGE

TRURO, NOVA SCOTIA
Telephone: Truro 893-4467.
Founded 1905.

Under the direction of the Nova Scotia Department of Agriculture and Marketing.

Principal: W. A. JENKINS, DR. P.A.
Vice-Principal: J. EDWARD SHUH, M.SC.
Registrar: P. COX, M.A.
Librarian: I. M. FRASER, B.SC.

Library of 2,500 volumes (approx.).
Number of teachers: 27.
Number of students (1965–66): 172.
Publications: *N.S.A.C. College Calendar and Agricola.*

PROFESSORS:

COX, P., M.A., English
CURTIS, S. L., PH.D., Animal Husbandry
FRASER, I. M., B.SC., Mathematics
HAWLEY, J. E., B.SC.(AGRIC.), Chemistry
LANGILLE, W. M., M.SC., Chemistry
MACAULAY, J. T., B.S.A., B.E., Physics
MARCHANT, K. S., B.P.ED., Physical Education
MILLIGAN, D. C., B.SC.(AGRIC.), Agricultural Engineering
NEARY, M. E., B.SC.(AGRIC.), Entomology, Zoology
ROLAND, A. E., PH.D., Botany
SMITH, S. G., B.SC., Physics
TOWNSEND, G. E., B.SC.(AGRIC.), Agricultural Engineering

NOVA SCOTIA TECHNICAL COLLEGE

HALIFAX, NOVA SCOTIA
Telephone: 422-9651.
Founded 1907.

Chairman of the Board of Governors: The Minister of Education of the Province of Nova Scotia.
President: Dr. G. W. HOLBROOK, M.SC., PH.D., P.ENG.
Registrar: V. F. O'CONNOR, C.D., P.ENG.
Librarian: M. R. HUSSAIN, M.A., M.S.L.S.

Number of teachers: 47.
Number of students (1964–65): 436.
Publications: *Calendar, Annual Report.*

HEADS OF DEPARTMENTS:

Civil Engineering: Prof. G. G. MEYERHOF, M.SC., PH.D., D.SC., P.ENG.
Electrical Engineering: Prof. B. A. BOWEN, M.SC., PH.D., P.ENG.
Mechanical Engineering: O. COCHKANOFF, M.A.SC., PH.D., P.ENG.
Mineral Engineering: E. L. CAMERON, M.ENG., P.ENG.
Chemical Engineering: Prof. M. R. FORAN, M.SC., PH.D., P.ENG.
Industrial Engineering: Prof. A. W. SWAN, B.A.SC.
School of Architecture: Prof. D. SHADBOLT, B.ARCH., M.R.A.I.C.
Extension: Prof. J. B. TERNAN, P.ENG.
General Studies: Prof. H. S. HEAPS, M.A.

OSGOODE HALL LAW SCHOOL

OSGOODE HALL, TORONTO 1, ONTARIO
Telephone: EMpire 2-4741.
Founded 1889.

Conducts three-year course in law approved by the Law Society of Upper Canada and leading to the Bachelor of Laws degree and a postgraduate programme leading to the advanced degrees of LL.M. and D.JUR.

Deans Emeriti: J. D. FALCONBRIDGE, Q.C., M.A., LL.B., D. en D., LL.D., BAR.-AT-LAW; C. E. SMALLEY-BAKER, Q.C., B.A., LL.B., M.A., LL.M., D.C.L., BAR.-AT-LAW.
Dean: H. A. B. LEAL, Q.C., LL.M., LL.D., BAR.-AT-LAW.
Registrar: Miss LOUELLA M. STURDY, B.A.
Librarian: G. A. JOHNSTON, Q.C., B.A., LL.B.

Number of teachers: 24.
Number of students: 450.
Publications: *Annual Osgoode Hall Law School Calendar, Osgoode Hall Law Journal, Obiter Dicta.*

PROFESSORS:

BAXTER, I. F. G., M.A., LL.B., BAR-AT-LAW, Family Law, Banking, Personal Property and International Commercial Transactions
BLANCHARD, J. T., LL.B., LL.M., BAR-AT-LAW, Contracts, Equity
CASTEL, J. G., B.SC., LIC. en DROIT, LL.B., S.J.D., BAR-AT-LAW, Civil Law, Public International Law, Conflict of Laws
FELTHAM, I. R., B.A., LL.B., B.C.L., BAR-AT-LAW, Commercial Transactions, Creditors' Rights, Sale of Goods
GRAY, R. J. S., B.A., LL.B., LL.M., BAR-AT-LAW, Preparation of Legislation, Torts
LEAL, H. A. B., Q.C., B.A., LL.M., LL.D., BAR-AT-LAW, Estate Planning
MORTON, J. D., Q.C., M.A., LL.B., BAR-AT-LAW, Criminology and Evidence
MUNDELL, D. W., Q.C., B.A., LL.B., B.C.L., BAR-AT-LAW, Legislation, Administrative Law and Constitutional Law
SPENCE, D. B., Q.C., M.A., LL.M., BAR.-AT-LAW, Company Law, Accounting for Lawyers and Conflict of Laws

UNIVERSITY OF OTTAWA

OTTAWA, ONTARIO
Telephone: 235-6751.
Founded 1866.

Chancellor: H.E. the Most Rev. M.-J. LEMIEUX, O.P., Archbishop of Ottawa.
Rector: Very Rev. R. GUINDON, O.M.I.
Vice-Rectors: Rev. A. CARON, O.M.I., PH.D., S.T.D., J.C.D., Rev. J. CROTEAU, O.M.I., M.A., L.TH., D.PH.
Registrar and Secretary-General: Rev. G. GAGNON, O.M.I., M.A., PH.L.
Treasurer: Rev. J. MONCION, O.M.I., B.A.
Councillors: Rev. R. LAVIGNE, O.M.I., B.A., PH.L., S.T.L., Rev. J.-M. QUIRION, O.M.I., L.PH., M.SC.(ECON.), S.T.B.
Controller: Rev. L. THERRIEN, O.M.I., B.A.
Director of Dept. of Public Relations and Publicity: G. W. BOSS, B.A.
Librarian: Rev. P.-E. DROUIN, O.M.I., M.A., PH.L., S.T.L., M.L.S.

Library: *see under* Libraries.
Number of teachers: 626 professors.
Number of students (1962–63): 4,156 full-time, 6,118 part-time, total 10,274.
Publications: *Revue de l'Université d'Ottawa* (quarterly), *University of Ottawa Teachers' College Yearbook, Medical Journal* (quarterly), Calendars of the several Faculties.

DEANS AND DIRECTORS:

Faculty of Medicine: J. J. LUSSIER, M.SC., PH.D., M.D.
Faculty of Theology: Rev. J. GERVAIS, O.M.I., L.PH., D.PH.
Faculty of Civil Law: P. AZARD, LL.D., L. ès L.
Faculty of Canon Law: Rev. A. CARON, O.M.I., PH.D., S.T.D., J.C.D.
Faculty of Philosophy: Rev. J. CROTEAU, O.M.I., M.A., PH.D., S.T.L.
Faculty of Pure and Applied Science: L. P. DUGAL, O.B.E., M. ès SC., PH.D., M.S.R.C.
Faculty of Arts: Rev. R. LAVIGNE, O.M.I., B.A., PH.L., S.T.L.
Faculty of Social Sciences: J. QUIRION, O.M.I., M.SC., L.PH., S.T.B.
Director of School of Psychology and Education: Rev. R. SHEVENELL, O.M.I., PH.D., PH.L., M.A.
Director of School of Nursing: Sister FRANÇOISE DE CHANTAL, S.G.C., B.SC.ED., M.SC.N.ED.
Principal of Teachers' College: Rev. L.-P. PIGEON, O.M.I., B.A., L.PH., L.TH., B.PAED., LIC. PAED.
Director of Library School: Rev. A. M. MORISSET, O.M.I., B.A., J.C.L., M.L.S.
Director of School of Social Welfare: Rev. S. BOWERS, O.M.I., M.SC.
Director of Catholic Centre: Rev. J. MONCION, O.M.I., B.A.
Director of Missionary Institute: Rev. J. E. CHAMPAGNE, O.M.I., M.A., PH.L., S.T.B., MISS.D.
Director of School of Home Economics: Rev. Sr. SAINTE-MARIE-SOLANGES, C.N.D., M.A.
Director of Dept. of Extension: Rev. G. FORCIER, O.M.I., M.A.

PROFESSORS:

Faculty of Medicine:
ALLEN, D., M.D., C.M., Ophthalmology
AUER, J., M.D., D.SC., Anatomy
BEATTIE, W. G., M.D., F.R.C.S., Surgery
BEAULIEU, M., B.SC., M.SC., PH.D., Bacteriology
BÉLANGER, L. F., M.D., M.A., MED.SC., Histology and Embryology
BENOITON, N. L., M.SC., PH.D., Biochemistry
BERKMAN, F., M.D., C.M., M.SC., F.R.C.P., Medicine
BEZNAK, MARGARET, M.D., Physiology
BLAIR, W. A., M.D., C.M., Clinical Psychiatry
BOHATIRCHUK, F., M.D., D.SC., Anatomy
BURKE, J. P., B.A., M.D., Pathology
CAMERON, T. W. M., T.D., M.A., D.SC., PH.D., F.R.S.C., M.R.C.V.S., Parasitology
CAMPBELL, J. S., B.SC., M.D., C.M., Pathology
CHALKE, F. C. R., M.D., M.SC.MED., Psychiatry
COLLINS, W. E., M.D., C.M., F.R.C.S., F.A.C.S., Urology
CONWAY, D. J., M.A., M.D., F.R.C.P., M.R.C.P., Pædiatrics
CÔTÉ, F., B.A., PH.L., M.D., M.S., F.R.C.S., Surgery
COUPAL, J. L., M.D., Oto-Laryngology
CURRAN, D. D., M.B., B.CH., B.A.O., F.R.C.S., Surgery
DAY, J. J., B.A., M.D., C.M., D.P.H., Preventive Medicine
DE BELLEFEUILLE, P., B.A., M.D., Pædiatrics
DE SAINT-VICTOR, H., B.A., M.D., Obstetrics
D'IORIO, A., B.SC., PH.D., Biochemistry
DON, C. J., M.B., B.S., M.R.C.P., F.F.R., Radiology
DOYLE, P. E., B.A., B.SC., M.D., C.M., F.R.C.P., Therapeutics
DROUIN, J. P., B.A., B.SC., M.D., F.R.C.S., F.A.C.S., Clinical Surgery
EWING, J. B., M.D., C.M., F.R.C.S. (Eng. and Can.), F.A.C.S., F.I.C.S., Surgery
FIDLER, A., M.D., Medicine
FISHER, T. L., M.D., C.M., F.A.C.P., Clinical Medicine
FLORIAN, F., B.A., M.D., Histology
GIBBONS, R. J., M.A., M.D., D.P.H., Bacteriology
GILHOOLY, J. P., M.D., C.M., Ophthalmology
GUEST, W. A., M.D., Medicine
HEFFERMAN, ANGELA B., M.R.C.S., L.R.C.P., Psychiatry
HILL, D. P., M.D., Pathology
HILTON, J. H. B., M.D., C.M., F.R.C.P., F.A.C.P., Clinical Medicine
HURTIG, A., B.A., M.D., Gynæcology
IRWIN, G. E., B.A., M.D., F.R.C.S., Surgery
KELLAM, H. I. J., M.D., F.R.C.S., F.A.C.S., Clinical Orthopædics
KENNEY, A. S., B.A., M.D., Pædiatrics
KINGMA, H., M.D., Dermatology
KLOTZ, M. O., M.D., Clinical Pathology
LAW, D., M.D., C.M., Anæsthesia
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Taylor, A. M., M.A., D.PHIL., Geography and Political Studies
Thoman, R. S., M.A., PH.D., Geography
Urquhart, M. C., B.A., Economics
Walker, E. A., M.A., English
Watson, E. E., M.SC., PH.D., Physics
West, A. S., PH.D., Biology
Whalley, A. G. C., C.D., M.A., PH.D., F.R.S.L., F.R.S.C., English
Wise, S. F., M.A., History
Wood, W. D., M.A., A.M., PH.D., Economics

Faculty of Medicine:
Basmajian, J. V., M.D., Anatomy
Bencosme, S. A., M.D., M.SC., PH.D., Pathology
Beveridge, J. M. R., PH.D., M.D., Biochemistry
Bingham, D. L. C., M.B., CH.B., F.R.C.S. (EDIN.), F.R.S.C.(C), F.A.C.S., F.I.C.S., Surgery
Botterell, E. H., O.B.E., M.D., M.S., D.SC., F.R.C.S.(C), Surgical Neurology
Boucher, D. W., M.D.C.M., F.R.C.S.(EDIN), F.R.C.S.(C), Surgery
Boyd, E. M., M.A., M.D.C.M., Pharmacology
Brown, G. M., M.D.C.M., D.PHIL., M.R.C.P., F.R.C.P.(C), F.A.C.P., Medicine
Bryans, A. M., M.D., F.R.C.P.(C), Pædiatrics
Burr, R. C., M.D., C.M., F.R.C.S.(EDIN.), F.R.C.S.(C), F.A.C.R., Radiotherapy
Connell, W. F., M.D., C.M., F.R.C.P. (LOND.), F.R.C.P.(C), F.A.C.P., Medicine and Clinical Medicine
Fransman, S. L., M.D., F.C.C.P., Radiology
Hagen, P. B., M.B., Biochemistry
Hatcher, J. D., M.D., PH.D., Physiology
Hinton, N. A., M.D., C.M., M.SC.,(MED.), DIP.BACT., Microbiology and Immunology
Hunter, R. C. A., M.D., C.M., Psychiatry
Kropp, B. N., A.M., PH.D., Histology—Embryology
Low, J. A., M.D., F.R.C.S.(C), Obstetrics and Gynæcology
Lynn, R. B., M.D.C.M., F.R.C.S., F.R.C.S. (EDIN.), F.A.C.S., Surgery
McCorriston, J. R., M.D.C.M., M.SC., Surgery
More, R. H., M.D., M.SC., Pathology
Read, J. H., M.D.C.M., D.P.M., Public Health and Preventive Medicine
Robertson, E. M., M.B., CH.B., F.R.C.S. (EDIN. AND C). F.R.C.O.G., Obstetrics and Gynæcology
Rosen, D. A., M.D.C.M., F.R.C.S.(C), Opthalmology
Semple, R. E., M.A., PH.D., F.A.C.S., Physiology
Sloane, R. B., M.R.C.P., D.P.M., Psychiatry
Vanderwater, S. L., M.D., F.R.C.P.(C), Anæsthesia
Waugh, D. O., M.D.C.M., M.SC., PH.D., Pathology
White, D. N., M.A., M.D., M.R.C.P., F.R.C.P.(C), F.A.C.P., Neurology
Wilson, D. L., M.A., M.D.C.M., F.R.O.C.(C), Medicine

Faculty of Law:
Gosse, R. F., D.PHIL.
Lawford, H. J., B.A., LL.B., B.C.L.
Lederman, W. R., Q.C., B.A., LL.B., B.C.L.
Ryan, H. R. S., Q.C., B.A.
Soberman, D. A., LL.M.

Affiliated College:

Queen's Theological College: f. 1841.
Principal: Rev. E. Andrews, M.A., B.D., PH.D., D.LITT.
Number of students: 57.

ROYAL MILITARY COLLEGE OF CANADA

KINGSTON, ONTARIO
Telephone: 542-2841.
Founded 1876.

President: The Hon. P. T. Hellyer, P.C., B.A., M.P., The Minister of National Defence.
Commandant: Air Commodore L. J. Birchall, O.B.E., D.F.C., C.D., A.D.C., N.D.C., R.M.C.
Vice-Commandant and Director of Studies: Col. W. R. Sawyer, O.B.E., E.D., P.SC., R.M.C., M.SC., PH.D., LL.D., F.C.I.C.
Registrar, Secretary of the Faculty and Assistant Director of Studies: R. E. Jones, M.A., PH.D.
Librarian: J. W. Spurr, B.A., B.ED.
Library: 100,000 volumes.
Number of teachers: 94.
Number of cadets (1965–66): 518.

Deans and Chairmen of Divisions:
Graduate Studies: T. S. Hutchison, PH.D., F.INST.P., F.A.P.S., F.R.S.E.
Arts: G. F. G. Stanley, M.A., D.PHIL., D. ès L., F.R.HIST.S., F.R.S.C.
Science: J. R. Dacey, M.B.E., M.SC., PH.D., F.C.I.C.
Engineering: J. W. Dolphin, M.SC.

PROFESSORS:

AVIS, W. S., M.A., PH.D., English
BAIRD, D. C., PH.D., Physics
CAIRNS, J. P., M.A., PH.D., Economics
DIAPER, D. G. M., M.A., D.PHIL., F.R.I.C., F.C.I.C., Chemistry
EDWARDS, M. H., M.A., PH.D., F.A.P.S., Physics
ELLIOTT, H. A., M.A., PH.D., Mathematics
ELLIS, J. S., M.ENG., PH.D., Civil Engineering
HETHERLINGTON, F. E., R.M.C., M.SC.(ENG.), Electrical Engineering
HUGHES, G. T., M.SC., PH.D., D.L.S., Civil Engineering
JACKSON, L. C., M.SC., PH.D., D.SC., F.INST.P., Physics
JONES, R. A., M.SC., PH.D., Chemistry
NALDRETT, S. N., M.SC., PH.D., Chemistry
POPE, N. K., M.SC., PH.D., Mathematics
ROGERS, D. H., M.SC., PH.D., Physics
THERIAULT, J. A., M.A., PH.D., French
THOMPSON, F. F., M.A., D.PHIL., DIP.ED., History
WATTERS, R. E., M.A., PH.D., English

SAINT DUNSTAN'S UNIVERSITY

CHARLOTTETOWN, PRINCE EDWARD ISLAND

Telephone: 892-1248.

Founded 1855.

Chancellor: Most Rev. M. A. MACEACHERN, D.D., PH.D., Bishop of Charlottetown.
President: Rt. Rev. G. A. MACDONALD, D.P., M.SC.
Dean of Men: Rev. L. W. LANDRIGAN, B.A.
Dean of Studies: Rev. V. G. MURNAGHAN, M.COM.
Registrar: M. HENNESSEY, B.A., B.ED.
Bursar: Rev. F. P. AYLWARD, B.A.
Librarian: E. BENSON, M.S.L.

Number of professors: 36.
Number of students (1964–65): 732.

PROFESSORS:

ABU-ISA, I., PH.D., Chemistry
ARSENAULT, Rev. A., M.A., French
BOLGER, Rev. F. W. P., PH.D., History
BURGE, Sister LOUIS MARIE, B.SC., Home Economics
BYRNE, C., M.A., English
CHEVERIE, Rev. J. C., PH.D., Biology
COADY, Sister MARY IDA, M.A., Education
DUFFY, Rev. J. R., PH.D., Chemistry
ELLSWORTH, Rev. R. G., M.SC., S.T.D., Biology
GREEN, J. E., M.S.W., Philosophy
HILTON, E., B.COM., Commerce
JOSHI, Y. N., M.A., PH.D., Physics
KANE, J., Athletics
KELLY, Rev. J. R., M.A., Classics
LANDRIGAN, Rev. L. W., B.A., English
MACADAM, A. J., B.A., B.SC., Athletics
MACDONALD, Rev. A. F., B.L.S., M.A., Sociology
MACDONALD, Rev. A. C., S.M., Engineering
MACDONALD, Rev. F., B.A., Religion
MACGUIGAN, Rev. W., M.A., History
MACINNIS, P., PH.D., Philosophy
MACLELLAN, Rev. T. M., S.T.D., PH.D., Philosophy
MACPHEE, R., B.ENG., Engineering
MURNAGHAN, Rev. V. G., M.COM., Commerce
MURPHY, J. C., PH.D., Sociology
NORRIS, K., Old Testament History
O'CONNELL, D. J., M.A., Economics
O'GRADY, B. A., PH.D., English
PINEAU, Rev. J. W., M.A., French
PINEAU, W., B.SC., Mathematics
ROCHE, Rev. E. J., M.SC., Mathematics
SHARKEY, Rev. O. C., PH.D., Education
STEWART, C., B.ENG., Geology
THESING, G., M.SC., Mathematics
VIDAL, F., B.A., Spanish

SAINT FRANCIS XAVIER UNIVERSITY

ANTIGONISH, NOVA SCOTIA

Telephone: 863-3300.

Founded 1853.

Chancellor: Most Rev. W. E. POWER, D.D.
President: Rt. Rev. M. A. MACLELLAN, D.P., PH.D.
Executive Vice-President: Rt. Rev. C. H. BAUER, D.P., B.A.
Vice-President and Director of Coady International Institute: Rt. Rev. F. J. SMYTH, C.S., D.P.
Vice-President and Director of University Extension: Rev. J. N. MACNEIL, J.C.D.
Registrar: J. M. BAUER.
Bursar: Rev. J. V. CAMPBELL.

Number of teachers: 140, including 19 professors.
Number of students (1964–65): 1,915.
Publications: *Xaverian Weekly, St. Francis Xavier Yearbook, Alumni News.*

DEANS:

Dean of Arts: Rev. M. MACDONELL, M.A.
Dean of Science: J. J. MACDONALD, PH.D.
Dean of Men: Rev. G. KEHOE.
Director of Religious Affairs: Rev. H. GARDINER.

FULL PROFESSORS:

BANNON, Rev. R. V., M.A., English
BAUER, Rev. C. H., B.A., German
CHIASSON, L. P., PH.D., Biology
CLARKE, Rev. E. C., PH.D., Physics
FOGARTY, Rev. W., B.SC., Engineering
FOLEY, W. T., PH.D., Chemistry
KEATING, B. J., PH.D., Geology
MACDONALD, Rev. C. R., PH.L., Philosophy
MACDONALD, J. J., PH.D., Chemistry
MACDONELL, Rev. M., M.A., History
MCKENNA, Rev. L. G., M.A., Mathematics
MACLEAN, C., PH.D., French
MACNEIL, D. J., PH.D., Geology
POWER, Rev. G., PH.D., Classics
ST. CATHERINE MAUREEN, M.S., Home Economics
ST. MARY DONALD, Sister, M.A., Commerce
ST. MICHAEL OF THE EUCHARIST, M.MUS., Music
ST. VERONICA, Sister, M.A., History

SAINT MARY'S UNIVERSITY

HALIFAX, NOVA SCOTIA

Telephone: 422-6421.

Founded 1841.

Chancellor: Most Rev. J. G. BERRY, D.D., S.D.L., M.SC.
Vice-Chancellor: Rt. Rev. W. H. SMITH, D.P., V.G., P.P.
Registrar: K. J. CLEARY, M.A.
Librarian: Rev. G. HALLAM, M.L.A., M.SC.

Number of teachers: 60.
Number of students (1965–66): 840.
Publication: *Calendar.*

DEANS:

Dean of Studies, Arts and Science: Rev. H. P. KIERANS, S.J.
Dean of Commerce: H. G. BEAZLEY, B.COMM.
Dean of Education: D. J. WEEREN, M.S. (acting).
Dean of Engineering: J. L. RYAN, B.E.
Associate Dean of Arts and Science: B. S. SHEEHAN, M.S.E.E., PH.D.

COLLÈGE SAINTE-ANNE

CHURCH POINT, NOVA SCOTIA

Telephone: 902: 114.

Founded 1890.

Rector: R.P. F. L. D'ENTREMONT, C.J.M.
Vice-Rector and Secretary: R.P. J. POITRAS, C.J.M.
Librarian: R.P. N. DOIRON, C.J.M.

UNIVERSITY OF SASKATCHEWAN

SASKATOON, SASKATCHEWAN

Telephone: 242-7671.

Founded 1907.

Chancellor: The Hon. Mr. Justice E. M. CULLITON, B.A., LL.B., D.C.L.
President: J. W. T. SPINKS, M.B.E., PH.D., D.SC., LL.D., F.R.S.C.
Vice-President (Administration): A. C. MCEOWN, B.SC.
Principal, Regina Campus: W. A. RIDDELL, M.SC., PH.D.
Controller: J. A. PRINGLE, B.ACC.
Registrar: N. K. CRAM, B.A., B.ED.

Number of teachers: 572, including 168 professors.
Number of students (1964–65): 5,309 men, 2,761 women, total 8,070 (full-time).

DEANS:

Faculty of Agriculture: W. J. WHITE, M.SC., PH.D.
Faculty of Arts and Science: R. N. H. HASLAM, M.A., PH.D., F.R.S.C.
Faculty of Commerce: L. I. BARBER, M.B.A., D.B.A.
Faculty of Education: J. B. KIRKPATRICK, B.A., M.ED., ED.D.
Faculty of Engineering: A. D. BOOTH, PH.D., D.SC.
Faculty of Graduate Studies: B. W. CURRIE, M.SC., PH.D., F.R.S.C.
Faculty of Home Economics: EDITH C. ROWLES SIMPSON, M.SC., ED.D.
Faculty of Law: O. E. LANG, B.A., LL.B., B.C.L.
Faculty of Medicine: R. W. BEGG, M.SC., M.D., C.N., D.PHIL.
Faculty of Pharmacy: W. C. MACAULAY, B.S.P., M.S., D.PHARM.
Faculty of Veterinary Medicine: D. L. T. SMITH, D.V.M., PH.D.

Faculty of Arts and Science, Regina Campus: T. H. McLEOD, A.M., M.P.A., PH.D.
Summer Sessions: C. KING, PH.D.
Residences: C. TRACY, PH.D.

PROFESSORS:

ABRAMOVITCH, R. A., PH.D., Chemistry
ABRAMSON, E. J., M.A., Sociology
ADAMS, J. W., M.D., Pathology
ADASKIN, M., Music
ANDRUSYSHEN, C. H., M.A., PH.D., Slavonic Studies
ANSTENSEN, A., M.B.E., M.A., PH.D., German
ARNASON, T. J., M.SC., PH.D., Biology
BAILEY, A. A., M.S., M.D., Medicine
BAKER, H. R., B.S.A., M.S., PH.D., Extension Services
BARDWELL, J. A. E., M.SC., PH.D., Chemistry
BATES, J. C., B.A., B.ED., Education
BELL, J. M., B.S.A., M.SC., PH.D., Animal Science
BIGLAND, C. H., D.U.M., D.V.C., D.V.P.H., M.SC., Microbiology, Veterinary Medicine
BLUM, R., PH.D., Mathematics
BORNSTEIN, E., M.S., Art
BROWN, A. B., M.D., C.M., F.R.C.S., Obstetrics and Gynæcology
BUCKLEY, K. A. H., M.A., PH.D., Economics
BUJILA, BERNADINE, B.ED., M.A., PH.D., French
BURKELL, C. C., B.SC., M.D., D.M.B.T., Therapeutic Radiology
BYERS, A. R., M.SC., PH.D., F.R.S.C., Geological Sciences
CAMERON, D. D., M.A., PH.D., Correspondence Courses
CARTER, R. C., Q.C., B.A., LL.B., Law
CLARK, S., B.A., M.ED., Education
COBURN, F. E., M.D., Psychiatry
COUPLAND, R. T., B.S.A., PH.D., Plant Ecology
DEMPSTER, G., M.B., CH.B., B.SC., M.D., Bacteriology
DEVERELL, A. F., B.ED., ED.D., Education
DOUGLAS, A. H., B.E., Civil Engineering
DUNLOP, R. H., D.U.M., PH.D., Physiology, Veterinary Medicine
DUWORS, R. E., M.A., PH.D., Sociology
EAGER, R. L., MS.C., PH.D., Chemistry
FEDOROFF, S., M.A., PH.D., Anatomy
FERGUSON, R. M., M.A., Classics
FORSBERG, C. R., M.SC., Engineering
FOWKE, V., M.A., PH.D., F.R.S.C., Economics
FRASER, C. M., D.V.M., M.V.SC., Veterinary Medicine
GERRARD, J. W., B.A., B.M., B.CH., M.R.C.P., Pædiatrics
GIBSON, D. L., M.B.E., B.S.A., M.SC., PH.D., Dairy Science
GOODSPEED, GEORGIA M., B.ACC., M.B.A., C.A., Accounting
GRAHAM, W. R., M.A., PH.D., History
GREGORY, J. B., M.SC., PH.D., Physics
GUENTHER, H. V., PH.D., Far Eastern Studies
GUNVALDSEN, K. M., M.A., PH.D., German
HORLICK, L., B.SC., M.D.C.M., M.SC., F.R.C.P.(C), Medicine
HUNT, T. E., B.A., M.D., F.R.C.P., Rehabilitation Medicine
HUNTEN, D. M., PH.D., Physics
JAQUES, L. B., M.A., PH.D., F.R.S.C., Physiology
JEFFREY, J. G., B.S.P., M.SC., PH.D., Pharmacy
JONES, A. V., M.SC., PH.D., Physics
JONES, E., M.A., Drama
KATZ, L., M.SC., PH.D., F.R.S.C., Physics
KAUTZ, R. W., M.A., PH.D., Economics
KEELER, HAZEL, M.A., R.N., Nursing
KENT, H. P., B.A., M.A., M.B., B.CHIR., Diagnostic Radiology
KING, C. A., PH.D., English
KNOTT, D. R., M.S., PH.D., Crop Science
KUPSCH, W. O., M.SC., PH.D., F.R.S.C., Geology
LANGLEY, G. J., B.ED., M.ED., PH.D., Education
LEE, C. C., B.E., M.SC., SC.D., Chemistry
LUDWIG, R. E., M.SC., SC.D., Chemistry
McARTHUR, C. S., M.SC., PH.D., Biochemistry
McCALLUM, K. J., M.SC., PH.D., F.R.S.C., Chemistry
McCOURT, E. A., M.A., English
McKERRACHER, D. G., M.D., Psychiatry
McMURRAY, G. A., M.A., PH.D., Physiology
MALLON, Rev. P., M.A., D. DE L'UNIV., French
MANTLE, J. B., B.E., M.S., Engineering
MATTHEWS, B. A., M.D., D.P.M., L.M.C.C., Social and Preventative Medicine
MILLAR, G. J., PH.D., Physiology
MILLER, C. E., M.A., PH.D., Mathematics
MILLER, L., M.A., PH.D., Philosophy
MOORE, D. F., M.D., B.SC.(MED.), F.R.C.P., Pathology
MORGAN, J. F., B.A., M.S.A., PH.D., Cancer Research
MURRAY, R. G., B.A., M.D., F.R.C.S.(C), Opthalmology
NANSON, E. N., M.B., CH.B., F.R.C.S., Surgery
NAYLOR, J. M., B.S.A., M.SC., PH.D., Biology
NEATBY, H., M.A., PH.D., LL.D., F.R.S.C., History
NIKIFORUK, P., PH.D., Control Engineering
NIND, T. E. W., M.A., Geological Sciences
O'DONNELL, Rev. J. L., M.A., English
O'NEIL, J. B., M.S.A., Poultry Science
ORBAN, W. A. R., M.S., PH.D., Physical Education
PAINE, K. W. E., M.R.C.S., L.R.C.P., M.B., B.S., F.R.C.S., Surgery
PAUL, L. C., M.SC., PH.D., Extension Services
PEPPER, J. M., M.A., PH.D., Chemistry
RAE, W. J., B.S.A., M.SC., Poultry Science
REMPEL, J. G., M.SC., PH.D., F.R.S.C., Biology
RENNIE, D. A., D.S.A.,. PH.D., Soil Science
RENNIE, R. A., B.A., B.ED., Psychology
RICHARDS, J. H., M.A., PH.D., Geography
SAFARIAN, A. E., PH.D., Economics and Political Science
SHAW, M., M.SC., PH.D., Biology
SMITH, J. P., M.A., PH.D., English
SNELGROVE, G. W., M.A., PH.D., Art
STAPLES, W. R., B.E., M.S., Mechanical Engineering
STEEVES, T. A., A.M., PH.D., Biology
STENSLAND, P. G., M.A., PH.D., Education
SUMMERS, J. L., M.C., B.S.P., M.S., Pharmacy
SWAN, Rev. P. J. M., M.A., PH.D., Philosophy
SYMES, O. L., B.A., B.E., Agricultural Engineering
THAIR, D. J., M.SC., PH.D., Agricultural Economics
TOOMBS, M. P., M.A., M.ED., Education
TRACY, C., B.A., PH.D., English
VAN VLIET, H., B.S.A., M.SC., Agricultural Economics
WARD, N., M.A., PH.D., Political Science
WARREN, T. E., M.SC., SC.D., Chemical Engineering
WILLIAMS, B. S. A., M.SC., PH.D., Animal Science
WILLIAMS, D. C., M.A., LL.M., Law
WOOD, J. A., M.S., PH.D., Pharmacy
WYANT, G. M., M.D., F.F.A.R.C.S., F.A.C.A., Anæsthesia

AFFILIATED COLLEGES:

College of Emmanuel and St. Chad: f. 1879.
Principal: Rev. F. H. W. CRABB, B.D., A.L.C.D.

Luther Theological Seminary: f. 1924.
President: Rev. G. D. EVENSON, M.TH., D.D.

St. Andrew's College: f. 1912.
Principal: Rev. R. F. SCHNELL, M.A., PH.D.

UNIVERSITÉ DE SHERBROOKE

CITÉ UNIVERSITAIRE,
SHERBROOKE, QUEBEC
Telephone: 569-7431.
Founded 1954.

Chancellor: H.E. Mgr. G. CABANA, Roman Catholic Archbishop of Sherbrooke.
Rector: Mgr. R. MALTAIS, P.D., L.PH.
Vice-Rectors: Rev. P. GILMORE, M.SC., R. BERNIER, L.PH., D.PH.
Registrar: R. JOLY, M.A., L.PH.
Librarian: GERMAIN BÉLISLE, B.A., B.PH., B.SC.BIBL.

Library: 185,000 volumes.
Number of teachers: 397.
Number of students: 3,078.
Publication: *La Revue de L'Université de Sherbrooke.*

DEANS:

Faculty of Arts: JEAN-MARIE ROY, B.A., M.A., D.L.
Faculty of Law: R. CRÉPEAU, B.A., LL.L., Q.C.
Faculty of Medicine: G. LASALLE, M.D., D.H.A.
Faculty of Sciences: M. NORMANDIN, B.SCA.., A.G., I.P.
Faculty of Commerce: A. RIVERIN, M.SC.SOC.(ECON.), M.SC.COM., M.B.A., D. DE L'U.(ECON.).
Faculty of Theology: Rev. L. VACHON, L.TH., D.TH.
Faculty of Sciences of Education: P. H. RUEL, L.PED., L.PS.

PROFESSORS:

ALLARD, J., Mathematics
ASHIKIAN, B., Mechanical Engineering
AUBÉ, G., Electrical Engineering
BANVILLE, M., Physics
BASTIEN, R., Business Administration
BAZINET, A., French
BAZINET, J., Mathematics
BEAUDOIN, P.-H., Business Administration
BEAUREGARD, J.-M., Medicine
BÉDARD, A., Latin
BÉDARD, M., Didactics
BELOIN, N., Psychology
BERGERON, Rev. A., Theology
BERNIER, R., Philosophy
BLACHE, P., Law
BLAIS, G., Accounting
BLAIS, J., French
BOISVERT, J.-J., Geography
BOISVERT, R., Mechanical Engineering
BOUCHER, C., Mathematics
BOUDREAU, L., Mechanical Engineering
BOURASSA, P.-A., Mechanical Engineering
BOUVIER, Rev. E., Economics
BRAULT, R., Accounting
BRISEBOIS, M., Mathematics
BRODEUR, L. A., French
BROSSEAU, G., Latin
BROWN, G. M., Chemistry
BRUNELLE, P.-E., Civil Engineering
CABANA, A., Chemistry
CAPPON, C., English

Champagne, J.-P., Electrical Engineering
Charette, L., Philosophy
Charlebois, Rev. R., Psychology
Charron, Camille, Law
Cliche, J.-M., Chemistry
Collinge, P., Latin
Constantin, J., Mathematics
Coté, Rev. W., Theology
Courteau, B., Mathematics
Crépeau, R., Law
Dandenault, Rev. G., Theology
Daunais, J.-P., Psychology
Délisle, J., Electrical Engineering
De Margerie, Y., French
Denis, G., Electrical Engineering
Deschenes, P., Electrical Engineering
Desnoyers, J., Chemistry
Desrochers, R., Biology
Doutreloux, J.-M., French
Doyon, Rev. J., Theology
Dunnigan, J., Biology
Farly, Rev. C., Theology
Faucher, G., Mechanical Engineering
Ferland, R., Economics
Fréchette, J.-G., Law
Gagnon, M., Philosophy
Gagnon, R., Geography
Gallez, B., Civil Engineering
Garant, J.-P., Accounting
Garnier, G., Business Administration
Gauthier, M., Mechanical Engineering
Gill, J., Economics
Gingras, A., Mathematics
Gougeon, J., History
Goulet, J., Philosophy
Grandpré, R., Business Administration
Guy, M., Law
Hamel, C., Civil Engineering
Hubert, L., Mechanical Engineering
Isbester, A. F., Business Administration
Jérumanis, S., Chemistry
Joly, R., Psychology
Joncas, G., Civil Engineering
Jones, D. G., English
Juillet, J., Biology
Kocsis, A., Electrical Engineering
Laberge, Marguerite, Didactics
Lacombe, M., Philosophy
Laflamme, G., Chemistry
Lafond, Rev. A., Theology
Lafrenière, M., Civil Engineering
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LaSalle, G., Medicine
Latulippe, J.-G., Economics
Lauzier, C., Mechanical Engineering
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Lefebvre, R., Pedagogy
Legault, A., Biology
Lemieux, A., Physics
Lemire, Rev. M., French
Leroux, A., Electrical Engineering
Leroux, A., Economics
Loranger, L., Accounting
Maltais, Mgr. R., Philosophy
Margot, M., Pedagogy
Marquis, P.-Y., Law
Martin, J.-P., Mathematics
McQuillan, J., English
Melanson, J., Law
Mercier, Dom G., Theology
Mercier, P., Philosophy
Mitchelson, C., Psychology
Muzzarelli, R., Chemistry
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Provencher, L., Accounting
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Saucier, R., Biology
Sirois, Rev. A., French
Spiridonakis, Mrs. Annette, English
Spiridonakis, B., History
Sutherland, R., English
Thibault, C., History
Thiffault, C., Physical Education
Tremblay, Rev. D., Theology
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Valke, L., Philosophy
Véronneau, Rev. G., Biology
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Zeman, Rev. F., Theology

SIMON FRASER UNIVERSITY

BURNABY, BRITISH COLUMBIA
Telephone: 682-7341.
Founded 1963.

The first students were enrolled in September 1965.

Chancellor: G. M. Shrum, o.b.e., m.m., e.d., m.a., ph.d., d.sc., f.r.s.c.
President: P. D. McTaggart-Cowan, m.b.e., d.sc.
Registrar: N. Barton, m.a.
Bursar: D. H. M. Ross, b.a., b.comm., c.a.
Librarian: D. A. Baird, b.a., m.s.

SIR GEORGE WILLIAMS UNIVERSITY

DRUMMOND STREET, MONTREAL, P.Q.
Telephone: 844-03131.
Founded 1929.

Chancellor: B. W. Roberts, o.b.e., d.c.l.
Principal and Vice-Chancellor: R. C. Rae, b.a., b.s.w., s.th.
Vice-Principal: D. B. Clarke, m.a.
Bursar: H. G. Worrell, b.a.
Registrar: D. L. Peets, b.sc.
Librarian: K. Crouch, b.a., b.l.s.

Library: *see under* Libraries.

Number of teachers: 78 full-time, including 16 professors, 180 part-time.

Number of students (1962–63): 8,833.

Professors:

Bordan, J., b.eng., m.sc., p.eng., m.e.i.c., Engineering
Bridges, J. W., m.a., ph.d., Psychology
Clarke, D. D., m.a., English
Compton, N., m.a., m.litt., English
Finnie, J. G., b.sc.(com.), c.g.a., c.a., Accountancy
Fraser, W. R., m.a., Philosophy
Hall, H. F., l.r.e., d.d., Natural Sciences
Honeyman, J. M., a.m., Biology
Lermer, A., m.a., Economics
McCullough, E. E., m.a., History
Madras, S., b.sc., ph.d., Chemistry
Potter, H. H., m.a., Sociology
Quinn, H. F., m.a., ph.d., Political Science
Raudorf, W. R., ph.d., Physics
Smith, N. E., m.a., ph.d., Mathematics
Wasserman, Rachel C., m.a., ph.d., English
Whitelaw, J. H., m.a., French

UNIVERSITY OF TORONTO

TORONTO 5, ONTARIO
Telephone: 928-2011.
Founded 1827.

Chancellor: O. M. Solandt, o.b.e., m.a., m.d., d.sc., ll.d., f.r.c.p., f.r.s.c.
President: C. T. Bissell, m.a., ph.d., d.litt., ll.d., f.r.s.c.
Secretary to the Board of Governors: D. S. Claringbold.
Registrar: R. Ross, m.b.e., m.a.
Chief Librarian: R. H. Blackburn, m.a., b.l.s., m.s.

Number of teachers: 2,350, including 404 professors.

Number of students (1964–65): 13,407 men, 7,662 women, total 21,071.

Publications: *University of Toronto Quarterly, Canadian Historical Review, Canadian Journal of Economics and Political Science, University of Toronto Law Journal, Canadian Journal of Psychology, Canadian Journal of Mathematics, The Phoenix, Canadian Journal of Linguistics, Canadian Journal of Theology, The Canadian Geographer.*

Deans and Directors:

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Faculty of Medicine: J. D. Hamilton, m.d., f.r.c.p.(c.).
Faculty of Applied Science and Engineering: R. R. McLaughlin, m.a.sc., m.a., ph.d., d.sc.
Ontario College of Education: D. F. Dadson, b.a., b.ed.
Library School: R. B. Land, m.a., m.l.s. (Director).
Faculty of Forestry: J. W. B. Sisam, b.sc.r., m.f., d.sc., r.p.f.
Faculty of Dentistry: R. G. Ellis, d.d.s., m.sc.d., f.d.s., r.c.s., f.a.c.d.
Faculty of Pharmacy: F. N. Hughes, phm.b., m.a., ll.d.
Faculty of Law: C. A. Wright, q.c., s.j.d., ll.d.
Faculty of Music: A. M. Walter, jur.utr.dr. (Director).
Faculty of Food Science: Miss B. A. McLaren, m.s., ph.d.
School of Architecture: T. Howarth, ph.d., f.r.i.b.a., m.r.a.i.c. (Director).
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Institute of Child Study: M. F. GRAPKO, M.A., PH.D. (Director a.i.).
Division of University Extension: G. H. BOYES, M.A. (Director).
Royal Conservatory of Music: L. BOYD NEEL, C.B.E., B.A.

PROFESSORS:

N.B.—In the following list (C) after the name of the professor indicates that he is a member of the staff of University College, (V) that he is a member of the staff of Victoria University, (T) that he is a member of the staff of the University of Trinity College and (M) that he is a member of the staff of St. Michael's College

Faculty of Arts:
ALLEN, A. D., PH.D., Chemistry
AMSEL, A., M.A., PH.D., Psychology
ANDERSON, J. M., M.A., PH.D., Physics
ARNOLD, R. K., PH.D., German (V)
ATKINSON, F. V., D.PHIL., M.A., Mathematics
ATWOOD, C. E., M.S.A., PH.D., Zoology
BADENHUIZEN, N. P., D.SC., Botany
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BAILEY, D. L., M.S., PH.D., F.R.S.C., Botany
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BARNES, C., M.SC., PH.D., Physics
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BERLYNE, D. E., M.A. PH.D., Psychology
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BREWER, A. W., M.SC., PH.D., Physics
BRIEGER, P. H., PH.D., Fine Art
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CAMPBELL, D. R., D.F.C., B.A., M.A., Political Economy
CARELESS, J. M. S., A.M., PH.D., F.R.S.C., History
CHALK, J. H. H., PH.D., Mathematics
CHANDLER, S. B., PH.D., Italian and Hispanic Studies
CHILD, P. A., A.M., PH.D., English (T)
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DALES, J. H., M.A., PH.D., Political Economy
DANIELS, J. M., M.A., D.LITT., Physics
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EAYRS, J. G., A.M., PH.D., Political Economy
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ESCHMANN, Rev. I. T., PH.D., S.T.D., Philosophy (M)
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FORWARD, Miss D. F., M.A., PH.D., Botany
FOX, P. W., M.A., PH.D., Political Economy
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FRITZ, Miss M. A., M.A., PH.D., F.R.S.C., Geological Sciences
FRY, F. E. J., M.B.E., M.A., PH.D., F.R.S.C., Zoology
FRYE, H. N., M.A., LL.D., D.LITT., F.R.S.C., English (V)
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GOOLD, G. P., PH.D., Classics (C)
GOTLIEB, C. C., M.A., PH.D., Physics
GOUDGE, T. A., M.A., PH.D., F.R.S.C., Philosophy
GRAHAM, J. W., M.A., PH.D., Fine Art
GRAHAM, V. E., M.A., PH.D., French (C)
GREEN, H. A. J., M.A., PH.D., Political Economy
GREENE, D. J., B.A., M.A., PH.D., English (V)
GRUBE, G. M. A., M.A., F.R.S.C., Classics (T)
HALL, O., M.A., PH.D., Sociology
HALLETT, A. C. H., B.A., PH.D., Physics
HAYNE, D. M., M.A., PH.D., French (C)
HEARD, J. F., M.A., PH.D., F.R.S.C., Astronomy
HEICHELHEIM, F. M., PH.D., DR. AG., Classics (C)
HEILBRONN, H. A., M.A., D.PHIL., F.R.S., Mathematics
HELLEINER, R. F. M., PH.D., F.R.S.C., Political Economy
HENESSEY, S. G., B.COM., F.C.A., Political Economy
HOENIGER, F. D., M.A., PH.D., English (V)
HOGG, Mrs. H. B. S., A.M., PH.D., D.SC., F.R.S.C., Astronomy
HOOD, W. C., M.A., Political Economy
HULL, T. E., M.A., PH.D., Mathematics
HUME, J. N. P., M.A., PH.D., Physics
IDE, F. A., M.A., PH.D., F.A.A.A.S., F.E.S.A.
IRVING, J. A., M.A., Ethics (V)
IVEY, D. G., M.A., PH.D., Physics
JOBLIN, Rev. K. J., B.D., TH.M., D.D., Religious Knowledge (V)
JOHNS, H. E., M.A., PH.D., LL.D., F.R.S.C., Physics
JOLIAT, E. A., B.A., D. DE L'U., French (C)
KEIRSTEAD, B. S., LL.D., F.R.S.C., Political Economy
KERR, D. P., M.A., PH.D., Geography
LANGFORD, G. B., B.A.SC., PH.D., P.ENG., F.R.S.C., Geological Sciences
LANGFORD, R. R., B.SC., PH.D., Zoology
LEECH, C., M.A., PH.D., D. ès L., English (C)
LEROY, D. J., M.A., PH.D., F.R.S.C., Chemistry
LEWIS, C., M.A., German (T)
LIST, R., DIPL.PHYS., E.T.H., DR.SC.NAT., Physics
LISTER, M. W., M.A., D.PHIL., Chemistry
LONG, W. M. D., M.A., PH.D., Philosophy
LOVE, C. C., M.A., PH.D., English (V)
LUCKY, J., G.S.N., M.A., PH.D., Slavic Studies
LYNCH, L. E. M., M.A., L.M.S., PH.D., Philosophy (M)
MCCULLOUGH, W. S., M.A., B.D., PH.D., Near Eastern Studies (C)
MCFEAT, T. F. S., M.A., PH.D., Anthropology
MACGILLIVRAY, J. R., M.A., PH.D., F.R.S.C., English (C)
MACGREGOR, D. C., B.A., F.R.S.C., Political Economy
MACLEAN, K., PH.D., English (V)
MCLUHAN, H. M., M.A., PH.D., English (M)
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MACPHERSON, C. B., M.SC., D.SC., F.R.S.C., Political Economy
MACPHERSON, J., M.A., PH.D., Philosophy (V)
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MACRAE, D. A., A.M., PH.D., Astronomy
MCRAE, R. F., PH.D., Philosophy
MADDEN, Rev. J. F., M.A., PH.D., English (M)
MANDLER, G., M.S., PH.D., Psychology
MARIN, D., LL.B., M.A., PH.D., Italian and Hispanic Studies
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MOORHOUSE, W. W., M.A., PH.D., P.ENG., F.R.S.C., Geological Sciences
MYERS, C. R., M.A., PH.D., Psychology
NELSON, W. H., M.A., PH.D., History
NEWBY, Rev. M. T., M.A., Near Eastern Studies (T)
NUFFIELD, E. W., B.A., PH.D., F.R.S.C., Geological Sciences
NYBURG, S. C., PH.D., Chemistry
OLGA, Sister MARY, M.A., PH.D., French (M)
OWEN, Rev. D. R. G., M.A., PH.D., D.D., Ethics (T)
OWENS, Rev. J., M.S.D., Philosophy
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POLANYI, J. C., M.SC., PH.D., Chemistry
PRIESTLEY, F. E. L., M.A., PH.D., F.R.S.C., F.R.S.L., English (C)
PUTNAM, D. F., B.S.A., PH.D., Geography
RIÈSE, Miss L., M.A., PH.D., O.A., O.I.P., S.G.L.F., French (V)
ROBINSON, G. DEB., M.B.E., PH.D., F.R.S.C., Mathematics
ROBSON, D. O., M.A., PH.D., Classics (V)
ROGERS, W. S., A.M., French (T)
ROONEY, P. G., B.SC., PH.D., Mathematics
ROPER, G. H., M.A., PH.D., English (T)
ROSS, M. M., M.A., PH.D., D.LITT., F.R.S.C., English (T)
ROTHFELS, K. H., PH.D., Botany
ROUILLARD, C. D., A.M., PH.D., O.A., F.R.S.C., French (C)
SAUNDERS, R. M., M.A., PH.D., History
SAVAN, D., A.M., Philosophy
SCHERK, P., PH.D., F.R.S.C., Mathematics

SCHOECK, R. J., M.A., PH.D., F.R.H.S., English (M)
SCOTT, G. D., M.A., PH.D., Physics
SHEPPARD, N. E., M.A., F.I.A., Mathematics
SHERIDAN, Rev. J., M.A., PH.D., Classics
SHOOK, Very Rev. L. K., M.A., PH.D., English (M)
SINDEN, Miss M. J., PH.D., German
SIRLUCK, E., M.B.E., M.A., PH.D., English (C)
SKILLING, H. G., M.A., PH.D., Political Economy
SMYTH, J. E., M.COMM., F.C.A., Political Economy
SPELT, J., M.A., PH.D., Geography
SPENCER, R. A., M.A., D.PHIL., History
SPOICHEFF, B. P., B.A.SC., M.A., PH.D., Physics
STACEY, C. P., O.B.E., C.D., A.M., PH.D., LL.D., F.R.S.C., History
STAGG, G. L., M.B.E., M.A., Italian and Hispanic
STRYJLAND, J. C., PH.D., Physics
SWINTON, W. E., B.SC., PH.D., F.R.S.E., F.R.A.I., F.M.A., Zoology
THORNTON, A. P., M.A., D.PHIL., History
TRAINOR, L. E. H., Physics
TRETHEWEY, W. H., M.A., PH.D., F.R.S.A., F.R.S.C., French (V)
TRIANTIS, S., LL.B., M.A., PH.D., Political Economy
VAN KRANENDONK, J., PH.D., Physics
VICKERS, G. S., A.M., Fine Art
VOGET, F. W., PH.D., Anthropology
VON RICHTOFEN, E., D.PHIL., Italian and Hispanic Studies
WALLACE, Miss M. E., PH.D., Political Economy
WALLACE, W. P., B.A., PH.D., Classics (C)
WARDER, A. K., East Asiatic Studies
WATT, F. W., B.LITT., M.A., PH.D.
WEBBER, W. J., D.S.C., Mathematics
WELSH, H. L., M.A., PH.D., F.R.S.C., F.R.S., Physics
WEVERS, J. W., TH.D., Near Eastern Studies
WHITE, Miss M. E., M.A., Classics (T)
WICKENS, G. M., M.A., Islamic Studies
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WILLIAMS, Rev. R. J., M.A., B.D., PH.D., Near Eastern Studies (C)
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BAER, E. E. F. T., PH.D., F.R.S.C., F.C.I.C., Medical Research and Synthetic Chemistry
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GORNALL, A. G., B.A., PH.D., Pathological Chemistry
GRAY, K. G., Q.C., M.D., B.SC.MED., Forensic Psychiatry
GREEY, P. H., M.D., B.SC.MED., Bacteriology
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HARTROFT, W. S., B.SC., M.D., PH.D., LL.D., Physiology
HENDERSON, D. N., M.B., F.R.C.S.(C), Obstetrics and Gynæcology
HILLIARD, I. M., B.A., M.D., Medicine
IRELAND, P. E., M.D., F.R.C.S.C., F.A.C.S., Oto-Laryngology
JOHNS, H. E., M.A., PH.D., LL.D., F.R.S.C., Medical Biophysics
JOUSSE, A. T., B.A., M.D., Rehabilitation Medicine
KALOW, W., M.D., Pharmacology
KERGIN, F. G., M.A., M.D., M.S., F.R.C.S., F.R.C.S.(C), F.A.C.S., Surgery
LAIRD, R. C., B.A., M.D., M.S., F.R.C.S., F.A.C.S., F.R.C.S.C., Surgery
LOGOTHETOPOULOS, J., M.D., Medical Research
LUCAS, C. C., M.A.SC., PH.D., F.C.I.C., F.R.S.C., Medical Research
McCULLOCH, J. C., M.D., Ophthalmology
MACDONALD, R. I., B.A., M.D.C.M., F.R.C.P.C., F.R.C.P., F.A.C.P., Medicine
MARKOWITZ, J., M.B.E., M.B., PH.D., M.S., Physiology
MEIKLEJOHN, R. B., M.D., F.R.C.O.G., Obstetrics and Gynæcology
MONKHOUSE, F. C., B.A., PH.D., Physiology
NICHOLSON, T. F., M.B., M.SC.(MED.), PH.D., Pathological Chemistry
RAPPAPORT, A. M., M.D., PH.D., Physiology
RITCHIE, Dr. A. C., M.B., CH.B., D.PHIL., Pathology
SCOTT, J. W., B.A., M.A., M.D., Physiology
SELLERS, E. A., M.D., PH.D., Pharmacology
SIMINOVITCH, L., B.SC., PH.D., Medical Biophysics
SMITH, C. G., B.A., M.SC., M.D., PH.D., Anatomy
SNELLING, C. E., M.B., Pædiatrics
STOKES, A. B., C.B.E., M.A., B.M., D.CH., D.P.M., F.R.C.P.(C), F.R.C.P., Psychiatry
THOMPSON, J. S., M.A., M.D., Anatomy
WELSH, W. K., O.B.E., M.B., F.R.C.S.(C)., F.R.S.C.ENG., F.A.C.S., Surgery
WIGHTMAN, K. J. R., M.D., F.R.C.P.(C), F.A.C.P., Medicine
WRENHALL, G. A., B.SC., M.SC., M.A., PH.D., Medical Research

Faculty of Applied Science and Engineering:

ANDREWS, D. G., M.A., Chemical Engineering
BRECKENRIDGE, J. G., B.A.SC., PH.D., Chemical Engineering
DE LEEUW, J. H., M.S., DIP.ING., PH.D., Aerophysics
ETKIN, B., M.A.SC., F.C.A.I., Aerophysics
GLASS, I. I., M.A.SC., PH.D., F.C.A.I., Aerophysics
GRAYDON, W. F., M.A.SC., PH.D., Chemical Engineering
HAM, J. M., B.A.SC., S.M., SC.D., Electrical Engineering
HUGGINS, M. W., M.A.SC., Civil Engineering
JONES, L. E., M.A.SC., PH.D., Mechanical Engineering
KANI, G., DR.ING., DIPL.ING., Civil Engineering
LORD, G. R., B.A.SC., S.M., PH.D., Mechanical Engineering
MACELHINNEY, W. G., M.A.SC., Chemical Engineering
MARSHALL, O. C. J., B.A.SC., C.E., Civil Engineering
McLAUGHLIN, R. R., M.A.SC., M.A., PH.D., D.SC., Chemical Engineering
MOODY, N. F., B.ING., Electrical Engineering
MORRISON, C. F., B.E., M.SC., Civil Engineering
PATTERSON, G. N., B.SC., M.A., PH.D., LL.D., F.R.AE.S., F.I.A.S., F.R.S.C., D.S.C., F.C.A.I., Aeronautical Engineering
PIDGEON, L. M., M.B.E., B.A., B.SC., PH.D., F.R.S.C., Metallurgical Engineering
PORTER, A., M.SC., PH.D., F.R.S.A., M.I.E.E., Industrial Engineering
RAPSON, W. H., M.A.SC., PH.D., P.ENG., F.C.I.C., Chemical Engineering
REID, J. E., B.A.SC., Electrical Engineering
RIBNER, H. S., B.S., M.S., PH.D., Aerophysics
RICE, H. R., B.SC., Mining Engineering
SINCLAIR, G., PH.D., Electrical Engineering
SLEMON, G. R., PH.D., M.A.SC.
SMITH, I. W., M.A.SC., Mechanical Engineering
SMITH, V. G., B.A.SC., Electrical Engineering
WOLFE, S. E., M.A.SC., Mining Engineering

Faculty of Food Science:

McLAREN, Miss B. A., M.S., PH.D., Food Science
SMITH, Miss M. D., M.A., PH.D., Food Chemistry

Ontario College of Education:

BRYANS, Miss H. L., M.A., Physical and Health Education
CARLISLE, J. S., B.A., B.PAED., Education
DADSON, D. F., B.A., B.ED., Education
FLEMING, W. G., B.A., M.ED., ED.D.
FLOWER, G. E., M.A., ED.D.
FOWLER, H. M., B.A., ED.D., Education
FRIZZELL, A. W., B.A.SC., Vocational Subjects
JACKSON, R. W. B., PH.D., Educational Research
LOCKHART, A. D., M.A., History
LOUDEN, A. H., B.A., B.PAED., Science
MACLEAN, W. B., M.A., Mathematics
McMASTERS, R. J., B.A., B.ED., English
PARMENTER, M. D., M.A., Guidance
PASSMORE, J. H., B.A., B.P.H.E., B.ED., Physical and Health Education

PATON, J. M., M.A., D.PAED., Education
PHILLIPS, R. D., B.SC., M.ED., Vocational Education
SEGGIE, A. P., B.A., Commercial Subjects
SKINNER, A. F., M.A., B.SC., PH.D., F.E.I.S., Education
TACON, P. H., M.A., B.PAED., Art
TAIT, G. E., B.PAED., ED.D., Elementary Education
TAYLOR, B. C., M.A., Classics

Library School:
LAND, R. B., B.A., M.L.S.
SKUERTHORN, Miss M. E., B.A., B.S.IN.L.S., M.A.

Faculty of Forestry:
HOSIE, R. C., B.SC.F., M.A.
FARRAR, J. L., M.F., PH.D., Forestry
SISAM, J. W. B., B.SC.F., M.F., D.SC., R.P.F., Forestry

Faculty of Music:
ROSEVEAR, R. A., A.B., M.MUS.

Faculty of Dentistry:
ANDERSON, P. G., D.D.S., F.A.C.D., F.I.C.D., Operative Dentistry
ANTONI, A. A., D.D.S., M.SC.D., Oral Surgery
ELLIS, R. G., D.D.S., M.SC.D., F.D.S., R.C.S., F.A.C.D., Operative Dentistry (*Dean*)
GRAINGER, R. M., D.D.S., M.SC.D., D.D.P.H.
HAM, A. W., M.B., F.R.S.C., Anatomy
HUNTER, H. A., D.D.S., M.SC.D.
JOHNSON, J. H., D.D.S., Dental Surgery and Anæsthesia
KREUTZER, J., D.D.S., B.SC.D., F.A.C.D., Preventive Dentistry
LOCKE, R. S., B.A., M.S., D.D.S., Dental Anæsthesia
MACGREGOR, S. A., D.D.S., F.I.C.D., Pedodontics
MITTON, G. T., D.D.S., D.D.P.H., Dental Public Health
PAYNTER, K. J., D.D.S., PH.D., Dental Anatomy
PEDLER, J. A., M.D.S., F.D.S., L.R.C.P., M.R.C.S., Oral Diagnosis
POYTON, H. G., H.D.D., F.D.S., L.D.S., Radiography
ROSS, W. J., D.D.S., F.I.C.D., Dentistry
TWIBLE, R. L., D.D.S., B.SC.(DENT.), F.A.C.D., Prosthodontics
WILLIAMS, C. H. M., D.D.S., B.SC.D., Periodontics
WOODSIDE, D. G., B.SC., D.D.S., M.SC.(D), Onthodontics

Faculty of Pharmacy:
BAXTER, R. M., PHM.B., B.S.P., M.S., PH.D., Pharmacognosy
FULLER, H. J., PHM.B., M.A., Pharmacy Administration
HUGHES, F. N., PHM.B., B.SC., M.A., LL.D. (*Dean*)
PATERSON, G. R., PHM.B., B.S.P., M.SC., PH.D., Pharmaceutical Chemistry
WALKER, G. C., B.SC., M.S., PH.D., Pharmacy

Faculty of Law:
ABEL, A. S., J.D., LL.M., S.J.D.
EDWARDS, J. L. J., LL.B., M.A., PH.D.
KILGOUR, D. G., LL.M., S.J.D.
KREVER, H., B.A., LL.B.
LASKIN, B., Q.C., M.A., LL.M.
MACDONALD, R. ST. J., B.A., LL.M.
MCWHINNEY, E., LL.M., S.J.D.
MILNER, J. B., LL.M.
WILLIS, J., B.A.
WRIGHT, C. A., Q.C., S.J.D., LL.D. (*Dean*)

School of Architecture:
ARTHUR, E. R., M.A., B.ARCH., LL.D., F.R.I.B.A., F.R.A.I.C., F.R.S.A., Architectural Design
CARSWELL, W. E., B.ARCH.
DAKIN, A. J., B.A., PH.D., A.R.I.B.A., M.R.A.I.C., M.T.P.I.C., M.T.P.I.
HOWARTH, T., PH.D., F.R.I.B.A., M.R.A.I.C.
RAYMORE, W. G., B.ARCH., F.R.A.I.C.

School of Physical and Health Education: (Vacant)

School of Social Work:
GOVAN, Miss E., M.A., PH.D., Social Work
GRYGIER, T., DIP.POL.SCI., LL.M., PH.D.
HENDRY, C. E., M.A., M.H., Social Work
JAFFARY, S. K., B.SC., M.A., PH.D., Social Work
MEDHURST, R. R., A.B., D.S.W.
MORGAN, J. S., M.A., DIP.ED., Social Work
ROSE, A., M.A., PH.D., Social Work
SPENCER, J. C., M.A., PH.D.

School of Nursing:
CARPENTER, Miss H. M., B.S., M.P.H.

School of Hygiene:
BEATON, G. H., M.A., PH.D., Nutrition
BROWN, J. R., B.SC., M.B., B.S., PH.D., L.M.S.S.A., Physiological Hygiene
BROWN, M. H., O.B.E., M.D., B.SC.(MED.), D.P.H., F.C.C.P., Public Health
CARPENTER, Miss H. M., B.S., M.P.H., Public Health
FALLIS, A. M., B.A., PH.D., F.R.S.C., Parasitology
FIRSTBROOK, J. B., M.D., PH.D., Physiological Hygiene
FRASER, Miss F. H., B.A., M.B., Microbiology
GRAINGER, R. M., D.D.S., M.SC.D., D.D.P.H., Epidemiology and Biometrics
LE RICHE, W. H., B.SC., M.D., M.P.H., Epidemiology and Biometrics
MACPHERSON, L. W., M.R.C.V.S., D.V.S.M., PH.D., Microbiology
MACLEAN, D. L., O.B.E., E.D., M.D., B.SC.MED., D.P.H., Epidemiology
MOSLEY, W., M.D., C.M., D.P.H., Public Health
NIKIFORUK, G., D.D.S., M.SC., Nutrition
PARKER, R. C., B.A., PH.D., D.SC., F.R.S.C., Microbiology
REID, D. B. W., M.A., M.SC., Biometrics
RHODES, A. J., M.D., F.R.C.P., F.R.S.C., Microbiology
ROTH, F. B., M.D., F.R.P.H.A., F.A.C.H.A., Hospital Administration
SIMINOVITCH, L., B.SC., PH.D., Microbiology
STUART, Miss E. M., M.H.A., F.A.C.H.A., Hospital Administration
WISHART, F. O., M.A., M.D., D.P.H., Microbiology

School of Business:
COUTTS, W. B., B.A., F.C.A.
GRAHAM, T. C., M.B.E., B.A.SC.
MAIN, O. W., M.A., PH.D.
PRESGRAVE, R., B.A.SC., F.A.I.I.E.

CONSTITUENT COLLEGES:

University College: Toronto.
Principal: D. U. LEPAN, M.A.
Registrar: R. M. H. SHEPERD, M.A. (CANTAB.).
Dean of Men: H. I. MACDONALD, B.COM., B.PHIL., M.A.
Dean of Women: Miss C. L. GRANT, B.A., M.S.W.

New College: Toronto.
Principal: D. G. IVEY, M.A., PH.D.
Registrar: F. A. HARE, M.A.

Innis College: Toronto.
Principal: R. S. HARRIS, M.A., PH.D.
Registrar: G. B. PAYZANT, M.A., PH.D.

FEDERATED UNIVERSITIES AND COLLEGES:

Emmanual College (the Theological College in Toronto of the United Church of Canada): f. 1928.
Principal: Rev. E. S. LAUTENSCHLÄGER, B.A., B.D., D.D., LL.D.
Registrar: Rev. C. D. JAY, M.A., B.D., TH.D.

Knox College (Presbyterian).
Principal: Rev. J. S. GLEN, M.A., PH.D., B.D., TH.D., D.D.
Registrar: Miss M. A. CARRINGTON, B.A.
Librarian: Rev. G. L. DOUGLAS, B.A., S.T.M.

Massey College.
Master: R. DAVIES, D.LITT., B.LITT., LL.D.

University of St. Michael's College: Toronto 5; f. 1852; conducted by the Basilian Fathers.
President: Rev. J. M. KELLY, M.A., PH.D.
Registrar and Vice-President: Rev. H. V. MALLON, M.A.
Dean of Residence: G. D. O'GORMAN, M.A., PH.D.
Librarian: Rev. J. B. BLACK, B.A., M.L.S.

University of Trinity College: Toronto 5; f. 1851; f. as Federated University 1904.
Provost: D. R. G. OWEN, M.A., PH.D., D.D.
Registrar: A. J. EARP, M.A., M.LITT.
Librarian: Miss B. SAUNDERS, B.A., B.L.S.

Victoria University: Queen's Park, Toronto; f. 1890 as a Federated University.
President: Rev. A. B. B. MOORE, B.A., B.D., D.D., LL.D.
Registrar: A. C. M. ROSS, M.A., PH.D.
Librarian: MARGARET V. RAY, B.A.

Wycliffe College (Anglican).
Chairman of Council: The Hon. Mr. Justice D. C. WELLS, M.A., K.C.
Principal: Rev. Canon L. HUNT, B.A., B.D., M.TH., D.D.
Registrar: D. C. IRELAND.
Librarian: Prof. T. R. MILLMAN, M.A., B.D., PH.D., D.D.

AFFILIATED UNIVERSITY:

York University: 2275 Bayview Avenue, Toronto 12; telephone: 487-5111; f. 1959.
President: M. G. ROSS, M.A., ED.D., D.C.L.

TRENT UNIVERSITY

PETERBOROUGH, ONTARIO

Telephone: 742-9282.

Founded 1963.

President and Vice-Chancellor: T. H. B SYMONS.
Registrar: E. J. SCHONLEBER.

Librarian: J. D. P. MARTIN.

Number of teachers: 42.

Number of students: 300.

Publication: *Journal of Canadian Studies.*

PROFESSORS:

BAGNANI, G., Ancient History
GUINAND, A. P., Mathematics

UNIVERSITY OF VICTORIA

VICTORIA, BRITISH COLUMBIA

Telephone: 388-5511.

Founded 1963.

Chancellor: J. B. CLEARIHUE, M.C., E.D. Q.C., M.A., LL.D.
President: M. G. TAYLOR, M.A., PH.D.
Registrar: R. R. JEFFELS, C.D., M.A.
Librarian: D. W. HALLIWELL, M.A.

Number of teachers: 212.

Number of students: 2,541.

DEANS:

Faculty of Arts and Science: A. J. WOOD, M.S.A., PH.D.
Faculty of Education: F. T. TYLER, M.ED., PH.D.

FULL PROFESSORS AND HEADS OF DEPARTMENTS:

BISHOP, R. J., English
BRAND, G. A., Education
CLARK, L. J., Chemistry
CLIMENAGE, J. L., Physics
ELLIOTT, G. R., Economics and Political Science
FARQUHAR, H. E., Education
FARRELL, B. H., Geography
FIELDS, W. G., Biology
GADDES, W. H., Psychology
HICKMAN, W. H., Modern Languages
JENNINGS, S. A., Mathematics
PETER, J. D., English
PETTIT, S. G., History
SCARGILL, M. H., Linguistics
TAYLOR, M. G., Economics and Political Science
WALLACE, R. T. D., Mathematics

UNIVERSITY OF WATERLOO

WATERLOO, ONTARIO

Telephone: 744-6111.

Area Code: 519.

Founded 1959.

Chancellor: D. H. PORTER, Q.C., B.A., M.A.
Vice-Chancellor and President: J. G. HAGEY, B.A., LL.D.
Vice-President (Academic): T. L. BATKE, B.A.SC., M.A.SC., PH.D.
Vice-President (Finance): A. K. ADLINGTON, B.A.
Registrar: A. P. GORDON, B.A.
Librarian: Mrs. D. E. LEWIS, B.A.

Number of teachers: 429, including 50 professors.

Number of students: 3,150.

Publications: *Quarterly Report, Newsletter, Gazette, Coryphaeus.*

DEANS:

Faculty of Arts: N. H. HIGH, B.S.A., M.S., PH.D.
Faculty of Science: W. A. E. MCBRYDE, B.A., M.A., PH.D.
Faculty of Engineering: D. T. WRIGHT, B.A.SC., M.S., PH.D.
Faculty of Graduate Studies: R. G. STANTON, B.A., M.A., PH.D.

PROFESSORS:

ALPAY, S. A., B.S., M.S., DR.ING., Mechanical Engineering
ANTHES, R. G., B.A.SC., M.A.SC., Electrical Engineering
ARIARATUM, S. T., M.SC., PH.D., Civil Engineering
ARMOUR, L., PH.D., Philosophy
BATKE, T. L., M.A., PH.D., Chemical Engineering
BERMAN, G., M.A., PH.D., B.A., Mathematics
BOSWELL, F., M.A., PH.D., Physics
COHN, M. Z., Cond. Tech. Sc., Civil Engineering
CORNELL, P. G., M.A., PH.D., E.D., History
COWAN, J. A., M.A., PH.D., Physics
COX, H. C., M.A., PH.D., English
CSANADY, G. T., DIPL.ING., PH.D., Mechanical Engineering
DRYNAN, W. R., M.S., PH.D., Civil Engineering
DYCK, J. W., A.B., M.A., PH.D., German and Russian
FORBES, W. F., PH.D., D.SC., D.I.C., Chemistry
FRETZ, J. W., A.B., M.A., PH.D.B.D., Religious Knowledge—Conrad Grebel
FRYER, K. D., M.A., PH.D., Mathematics
GRAF, B. J., C.R., M.A., Classics (St. Jerome's)
HAERING, R. R., M.A., PH.D., Physics
HAWORTH, L. L., M.A., PH.D., Philosophy
HEATLEY, A. H., B.A.SC., M.A., PH.D., Chemical Engineering
HERGOTT, C. A., C.R., B.A., M.A., S.T.D., Philosophy (St. Jerome's)
HIGH, N. H., B.S.A., M.S., PH.D., Sociology
HYNES, H. B. N., PH.D., D.SC., Biology
KIEFFER, M. I., C.R., B.A., M.A., J.C.D., Spanish and Italian (St. Jerome's)
KIRK, H. D., B.S., M.A., PH.D., Sociology
KRUEGER, R. R., M.A., PH.D., Geography
LIND, N. C., M.SC., PH.D., Civil Engineering
MCBRYDE, W. A. E., M.A., PH.D., Chemistry
MCCUTCHAN, J. W., A.B., A.M., PH.D., English
MACRAE, C. E., M.A., PH.D., English
MCKINNON, Rev. H., PH.L., S.T.L., M.A., PH.D., History
MCKIRDY, K. A., M.A., PH.D., English
MINAS, J. S., PH.D., Philosophy
MONTGOMERY, F. K., M.A., D.U.P., French
NOTON, A. R. M., PH.D., Electrical Engineering
OBER, W. U., PH.D., English
PARKINSON, D., B.SC., M.SC., PH.D., Biology
REES, A. W., M.A., History—Renison
REESOR, G. E., M.A., PH.D., Physics
SCOTT, D. S., M.SC., PH.D., Chemical Engineering
SHERBOURNE, A. N., M.S., M.A., PH.D., Civil Engineering
SPROTT, D. A., M.A., PH.D., Mathematics
STANTON, R. G., M.A., PH.D., Mathematics
THOMAS, W. K., M.A., PH.D., English
TUTTE, W. T., M.SC., M.A., PH.D., F.R.C.S., Mathematics
DE VOS, A., DIPL., M.SC., PH.D., Geography
WALTERS, R. H., DIP.ED., M.A., B.PHIL., PH.D., Psychology
WEI, L. Y., M.S., PH.D., Electrical Engineering
WINKLEMAN, J., M.A., PH.D., German and Russian
WRIGHT, D. T., B.A.SC., M.S., PH.D., Civil Engineering

FEDERATED COLLEGE:

University of St. Jerome's College (Roman Catholic, conducted by the Congregation of the Resurrection): Waterloo; f. 1864.
President: Rev. C. L. SIEGFRIED, C.R., M.SC.
Superior and Dean of Arts: Rev. J. R. FINN, C.R., M.A., PH.D.

AFFILIATED COLLEGES:

Renison College (Anglican): Waterloo.
Principal: W. REES, M.A.

Conrad Grebel College (Mennonite): Waterloo.
Principal: Rev. J. W. FRETZ, B.D., M.A., PH.D.

St. Paul's College (United): Waterloo.
Principal: Rev. A. M. MCLACHLIN, TH.D., S.T.M.

WATERLOO LUTHERAN UNIVERSITY

WATERLOO, ONTARIO

Telephone: 519, 744-8141.

Founded 1911.

President and Vice-Chancellor: Rev. Dr. W. J. VILLAUME.
Vice-President, Director of University Resources: Dr. H. ENDRESS.
Registrar: H. H. DUECK, M.A.
Librarian and Archivist: Rev. E. R. W. SCHULTZ.
Director of Extension and Summer School: J. M. CLARK.

Number of teachers: 90.

Number of students (1964–65): 1,910 full-time, 2,518 part-time.

Publications: *The Waterloo Campus* (7 times yearly), *The Arts and Science Calendar, Seminary Calendar.*

DEANS:

Dean of Waterloo College, Faculty of Arts and Science: Rev. Dr. L. H. SCHAUS.
Dean of Students, Waterloo University College: Rev. Dr. F. J. SPECKEEN.
Dean of Waterloo Lutheran Seminary: Rev. Dr. U. S. LEUPOLD.
Dean of Women and Associate Dean of Students: ESTHER J. BRANDON.

PROFESSORS:

BONNER, B., PH.D.
CLARK, J. M., C.D., M.A., English
GWATKIN, W. E., Jr., M.A., PH.D., Classics
MCMURRAY, J. H., M.P.A., PH.D., Geography
OVERGAARD, H. O. J., M.S., PH.D., Business Administration
PAAPE, C. W., A.M., PH.D., History
ROY, FLORA, M.A., PH.D., English
STEWART, M. D., M.A., PH.D., Economics
TAYLER, N., M.A., PH.D., Romance Languages

UNIVERSITY OF WESTERN ONTARIO

LONDON, ONTARIO

Telephone: 519—439-1681.

Founded 1878.

Charter last revised 1955.

Chancellor: V. P. CRONYN.

President: G. E. HALL, M.S.A., M.D., PH.D., F.R.S.C.
Vice-President: R. B. WILLIS, M.A., F.C.I.S.
Registrar: J. K. WATSON, M.A., PH.D.
Comptroller: R. R. GLOVER, B.A.

Number of teachers: 425, including 91 professors.

Number of students: 8,000.

Publications: *Medical Journal, Gazette* (student weekly), *Alumni Gazette, The Business Quarterly, Occidentalia* (student yearbook), Calendars for all Faculties and Schools.

DEANS:

Faculty of Arts and Sciences: M. K. INMAN, M.A., PH.D.
Faculty of Engineering Science: Lt.-Col. R. M. DILLON, M.C., B.A.S.M.
Faculty of Medicine: O. H. WARWICK, M.A., M.D.C.M., M.R.C.P., F.R.C.P.(C.).
Faculty of Law: A. W. R. CARROTHERS, B.A., LL.B., LL.M.
Faculty of Graduate Studies: R. A. ALLEN, M.A., PH.D.
School of Nursing: R. CATHERINE AIKIN, B.N., M.A.
School of Business Administration: J. J. WETTLAUFER, M.B.A.

PRINCIPALS:

University College: R. J. UFFEN, B.A.SC., M.A., PH.D., P.ENG.
Middlesex College: D. G. G. KERR, PH.D.
The College of Music: C. VON KUSTER, MUS.B.

PROFESSORS:

Faculty of Arts and Sciences:
ALLEN, R. L., M.A., PH.D., German
BATTLE, HELEN, M.A., PH.D., Zoology
BENNETTON, N. A., M.A., PH.D., Romance Languages
BLACKWELL, J. W., M.SC., PH.D., Physics
BORWEIN, D., PH.D., D.SC., Mathematics
BRADLEY, D. C., PH.D., Chemistry
BRANNEN, E., PH.D., Physics
BROWN, A. W. A., M.A., PH.D., Zoology
BURSTEIN, M. L., M.A., PH.D., Economics and Sociology
BUTTS, R. E., A.M., PH.D., Philosophy
COLE, R. H., M.A., PH.D., Mathematics
CONRON, A. B., PH.D., English
DE MAYO, P., M.D., Chemistry
FERGUSON, W. K., PH.D., History
FORSYTH, P. A., M.A., PH.D., Physics
GILLESPIE, MARY H., M.A, Secretarial Science
HICKMAN, C. J., PH..D, Botany
IGNATIEFF, L., M.A., Russian
INMAN, M. K., M.A., PH.D., Economics
JACKSON, D. N., B.S., M.S., PH.D., Psychology
JOHNSON, A. H., M.A., PH.D., Philosophy
JUDD, W. W., PH.D., Zoology
KALBFLEISCH, H. K., M.A., German
KERR, D. G. G., PH.D., History
KLINCK, C. F., M.A., PH.D., English
L'HEUREUX, W. J., M.A., Physical and Health Education
LYON, P. V., M.A., D.PHIL., Political Science
MACKINNON, M. H. M., PH.D., English
MCLARTY, D., PH.D., Botany
MAGEE, G. R., M.S., PH.D., Mathematics
MAYO, H. B., D.PHIL., Economics
NICHOLLS, R. W., PH.D., Physics
NICHOLSON, N. L., M.SC., PH.D., Geography
OVERTON, R. C., PH.D., History
PARLOW, KATHLEEN, Music
PATTISON, F. L. M., M.A., PH.D., Chemistry
PLEVA, E. G., M.A., PH.D., Geography
RALPH, J. D., M.A., PH.D., Classics
RAYMOND, A. E., B.A., M.A., PH.D., Classics
REANEY, J., M.A., PH.D., English
REAVELY, G. H., M.A., D.I.C., Geology
REUBER, G. L., A.M., PH.D., Economics
ROSÉ, ALFRED, B.A., Music
SCOTT, D. M., PH.D., Zoology
SHERVILL, R. N., M.A., PH.D., Romance Languages
SUFFEL, G. G., PH.D., Geology
TORRENS, R. W., PH.D., Romance Languages
TRACY, G. L., M.A., PH.D., German
TURNER, G. H., M.A., PH.D., Psychology
UFFEN, R. J., B.A.SC., M.A., PH.D., P.ENG., Geophysics
WATSON, J. K., M.A., PH.D., Chemistry
WEHLAU, W. H., A.B., PH.D., Mathematics
WILD, J. L., B.A., Journalism
WINDER, C. G., B.SC., PH.D., Geology
WOODMAN, R. G., M.A., PH.D., English
WRIGHT, MARY J., M.A., PH.D., Psychology

Faculty of Medicine:
BARR, M. L., B.A., M.SC., M.D., F.R.S.C., Anatomy
BRIEN, F. S., B.A., M.B., M.R.C.P., F.R.C.P.(C), F.A.C.P., Medicine
BUCK, CAROL W., M.D., PH.D., D.P.H., Psychiatry and Preventive Medicine
BUCK, R. C., M.D., M.SC., PH.D., Microscopic Anatomy
BURTON, A. C., M.B.E., B.SC., M.A., PH.D., F.R.C.S., Biophysics
CAMERON, M. G. P., M.D., F.R.C.P.,(C) Physical Medicine and Rehabilitation
COLLIP, J. B., C.B.E., M.A., PH.D., D.SC., M.D., LL.D., F.R.C.P. (C), F.R.S.C., F.A.C.P., F.A.C.O.G., Medical Research
GOWDEY, C. W., B.A., M.SC., D.PHIL., Pharmacology
HOBBS, G. E., B.A., M.D., D.I.P., M.P.H., Psychiatry and Preventive Medicine
KINCH, R. A. H., M.B., B.S., M.R.C.S., L.R.C.P., M.R.C.O.G., F.R.C.S.(C), Obstetrics and Gynæcology
MANNING, G. W., M.A., M.D., PH.D., F.R.C.P.(C) Medicine
MCLACHLIN, A. D., M.D., M.SC., D.PHIL., M.S., F.R.C.S.(C), F.R.C.S.(ENG.), Surgery
MURRAY, E. G. D., O.B.E., M.A., M.D., D.SC., L.M.S.S.A., F.R.S.C., Medical Research
MURRAY, R. G. E., M.D.C.M., M.A., Bacteriology and Immunology
NEUFELD, A. N., M.SC., PH.D., M.D.C.M., F.C.I.C., Pathological Chemistry
PATERSON, J. C., O.B.E., M.B., M.D., B.SC., Medical Research
RATHBUN, J. C., M.D., F.R.C.P.(C), F.A.A.P., Pædiatrics
ROBINOW, C. F., M.D., F.R.S., Bacteriology and Immunology
ROSSITER, R. J., B.SC., M.A., D.PHIL., B.M., B.CH., D.M., F.R.I.C., Biochemistry
STAVRAKY, G. W., M.D., M.SC., M.D.C.M., Physiology
STEWART, H. B., M.D., PH.D., Biochemistry
STEVENSON, J. A. F., M.A., M.D., C.M., Physiology
VON HOCHSTETTER, A., M.D., Anatomy
WALLACE, A. C., M.D., PH.D., Medical Research

Faculty of Law:
CARROTHERS, A. W. R., B.A., LL.B., LL.M.
MACKAY, R. S., LL.M., B.A., LL.B., LL.M.

Faculty of Engineering Science:
FOREMAN, J. E. K., B.A.SC., M.M.E.
GEACH, G. A., M.SC., PH.D.
LAUCHLARD, L. S., M.A.SC.

School of Business Administration:
JONES, F. W. P., B.A.
MCDOUGALL, J. W., B.A., F.C.A.
NICHOLSON, J. T., M.B.A.
READY, R. K., B.A., M.B.A., D.C.S.
TAYLOR, J. C., B.A., C.A.
THAIN, D. H., M.B.A., D.B.A.
THOMPSON, W. A., M.B.A.
WETTLAUFER, J. J., M.B.A.

AFFILIATED INSTITUTIONS:

Huron College: London, Ontario; f. 1863; Arts and Theological College.
Principal: Rev. J. G. MORDEN, B.A., B.D., D.TH.

St. Peter's Seminary and Christ the King College: London, Ontario; f. 1912 (Seminary), 1955 (College); Seminary and College of Arts.
Rector: Mgr. A. P. MAHONEY, P.A., V.G., D.P., LL.D.

Brescia College: London, Ontario; f. 1919; arts subjects.
Dean: Mother DOMINICA, M.A.

UNIVERSITY OF WINDSOR

400 HURON LINE,
WINDSOR, ONTARIO
Telephone: 253-4232.
Founded 1857.

Chancellor: Lieut.-Col. the Hon. JOHN K. MACKAY, D.S.O., V.D., Q.C., D.C.L., LL.D.
Vice-Chancellor and President: J. F. LEDDY, D.PHIL., D.LITT., D. ès L., LL.D., D.C.L.
Chairman, Board of Governors: J. J. STUART, B.COM.
Registrar: BARBARA H. BIRCH, M.A.
Librarian: W. F. DOLLAR, M.A., A.M.L.S.

Number of teachers: 185.

Number of students: 1,981 (full-time).

Publications: *Announcements, The Lance, The Ambassador, Student Handbook, The Alumni Times, The President's Report, Generation.*

DEANS:

Faculty of Arts and Sciences: Rev. N. J. RUTH, C.S.B., M.A.
Faculty of Applied Science: J. G. PARR, B.SC., PH.D.
Faculty of Graduate Studies: Rev. C. P. J. CROWLEY, C.S.B., B.A., M.A. PH.D.

PROFESSORS:

ADELMAN, Dr. M., PH.D.
CERVIN, V. B., PH.D.
CROWLEY, Rev. C. P. J., C.S.B., PH.D.
DE MARCO, F. A., PH.D.
DROUILLARD, Rev. C. J., C.S.B., PH.D.
ELIOPOULOS, H. A., PH.D.
FAUGHT, Rev. D. T., M.A.
GRANT, Rev. A. J., C.S.B., M.A.
HERBICH, Dr. H. P., D.SC.
HORNE, Dr. G. R., PH.D.
HUSSEY, Rev. J. M., C.S.B., M.A.
KINGSTON, Rev. F. T., D.PHIL.
KRAUSE, L., PH.D.
MULVIHILL, Rev. D. J., C.S.B., PH.D.

OWENS, Rev. L. G., S.T.D.
PARR, Dr. J. G., PH.D.
PHILLIPS, Dr. W. C., PH.D.
RAJAN, BALACHANDRA, PH.D.
ROSENAUER, N., D.ING.
RUTHERFORD, K. G., PH.D.
SZAMOSI, G., PH.D., D.SC.
ZAKON, E., Dr. Jur.

TECHNICAL COLLEGES

Eastern Ontario Institute of Technology: 200 Lees Avenue, Ottawa 1, Ont.; f. 1957.
Principal: V. J. BYERS.
Number of teachers: 52.
Number of students: 800.

Hamilton Institute of Technology: Hamilton, Ont.; 3-year courses in business administration, control systems, electronics, industrial management, mechanical and textile technology.

Institut de Technologie d'Arvida (*Arvida Institute of Technology*): 163 Davis Street, Arvida, Quebec; f. 1946.
Principal: L. GAUDREAU.
Number of teachers: 20.
Number of students: 200.

Montreal Institute of Technology: 200 Sherbrooke Street West, Montreal; f. 1907; to train young men for the higher technical jobs in industry.
Principal: R. BELISLE, P.T.
Vice-Principal: W. W. WERRY, M.A., C.A., B.COM.
Number of teachers: 67 (full-time), 16 (part-time).
Number of students: 724 (day), 2,836 (night and special).

New Brunswick Technical Institute: Moncton, N.B.; departments of vocational teacher training, business education, technology, and trades and occupations.

Nova Scotia Land Survey Institute: Lawrencetown, Annapolis County, N.S.; course in land surveying, photogrammetry and cartographic drafting.

Papermaking Institute of the Province of Quebec: 2250 St. Olivier Street, Trois Rivières, Quebec; f. 1923.
Director: G. FRANCOEUR, P.T.
Number of teachers: 19.
Number of students: 185.

Provincial Institute of Mining: Haileybury, Ont.; f. 1944.
Principal: O. E. WALLI.
Number of teachers: 10.
Number of students: 160.

Provincial Institute of Trades: 21 Nassau Street, Toronto, 2B, Ont.; f. 1951.
Principal: G. WRAGG.
Number of teachers: 100.
Number of students: 3,600.

Ryerson Polytechnical Institute: 50 Gould Street, Toronto, Ont.; f. 1948; courses in engineering technology, business and arts.
Principal: H. H. KERR.
Directory of Faculty Affairs: C. S. TEMPLE.
Director of Student Affairs: D. B. SUTHERLAND.
Registrar: A. SAURO.
Librarian: A. PAULAITIS.
Number of students: 3,400.

Saskatchewan Technical Institute: Moose Jaw, Saskatchewan; f. 1958.
Principal: R. J. REYNOLDS.
Number of teachers: 22.
Number of students: 289.

Textile Institute: 2255 Laframboise Boulevard, St. Hyacinthe, Quebec; f. 1945; courses in chemistry and dyeing, designing and weaving, knitting, woollen and worsted yarn manufacturing and cotton manufacturing.
Principal: G. MOORE.
Number of teachers: 23.
Number of students: 150.

Vancouver Vocational Institute: Vancouver, B.C.; courses in engineering, commerce and navigation, etc.

SCHOOLS OF ART AND MUSIC

Banff School of Fine Arts (*University of Alberta*): Banff, Alberta; f. 1933.
Principal: Dr. D. CAMERON.

Maritime Conservatory of Music: Halifax, Nova Scotia.

Nova Scotia College of Art: 6146 Coburg Road, Halifax; f. 1887.
Principal: D. C. MACKAY, F.R.S.A., N.S.A., F.N.S.C.A.
Registrar: R. M. NICHOLS.

Ontario College of Art: 100 McCaul Street, Toronto 2B, Ont.; f. 1880.
Principal: S. H. WATSON, R.C.A. O.S.A.

The Royal Canadian College of Organists: Toronto; f. 1909.
President: H. ROSEVEAR, F.C.C.O.

Royal Conservatory of Music: University of Toronto, Toronto 5, Ontario.
Director: L. BOYD NEEL, C.B.E., B.A.

School of Art: University of Manitoba, Winnipeg, Manitoba; f. 1913.
Director: R. E. WILLIAMS, B.A., M.F.A.

School of Music: University of Manitoba, Winnipeg, Manitoba.
Director: R. W. GIBSON, MUS.B.

CEYLON

Population 10,644,809

LEARNED SOCIETIES

Alliance Française: 77 Ward Place, Colombo; Dir. H. FUSEILLIER.

British Council: Steuart Lodge, 154 Galle Road, Colombo 3; Rep. R. K. BRADY; office at Kandy.

Buddhist Academy of Ceylon: 109 Rosmead Place, Colombo.

Ceylon Association for the Advancement of Science: 55 Torrington Square, Colombo 7; f. 1944 for the promotion of pure and applied science and to provide for systematic direction of scientific inquiry in the interests of the country; six sections; 950 mems.; Gen. Pres. Dr. V. APPAPILLAI; Hon. Gen. Sec. Dr. S. SENTHESHANMUGANATHAN; Treas. E. B. DISSANAIKE; publ. *Proceedings.*

Ceylon Geographical Society: c/o Dept. of Geography, University of Ceylon, Colombo 3; f. 1948; 60 mems.

Ceylon Library Association: c/o Branch Library, University of Ceylon, Colombo 3; f. 1960; 545 mems.; Pres. K. D. SOMADASA, B.A. (HONS.), M.S.; Hon. Sec. R. A. JAYATILLEKE, B.SC. (HONS.), M.S.; publ. *Journal.*

Ceylon Palaeological Society: c/o Prof. K. KULARATNAM, University of Ceylon, Peradeniya, Ceylon.

Ceylon Society of Arts: Art Gallery, Green Path, Colombo, 7; f. 1887.

Classical Association of Ceylon, The: f. 1935; 120 mems.; Pres. S. F. AMERASINGHE, B.A.; Hon. Sec. H. A. NONIS, B.A.; 457 Wickramaratne Ave., Kohuwela, Nugesoda.

German Cultural Institute: 59 Alexandra Place, Colombo, Ceylon; f. 1957; Dir. Dr. H. KÜHNE.

Maha Bodhi Society of Ceylon: 130 Maligakanda Road, Maradana, Colombo 10; f. 1891 for propagation of Buddhism throughout the world; 12,000 mems.; Pres. N. MOONESINGHE; Hon. Sec. LALITH HEWAVITARANE; Admin. Sec. Maj. H. R. SENEVIRATNE; publs. *Sinhala Bauddhaya* (weekly), *Sinhala Bauddhaya* (Vesak number; annual).

National Education Society of Ceylon: Hon. Sec. C. S. V. JAYAWEERA; Dept. of Education, University of Ceylon, Peradeniya.

Royal Asiatic Society: University Building, Thurstan Road, Colombo 3; f. 1845 and incorporated with the Royal Asiatic Society of Great Britain and Ireland; institutes and promotes inquiries into the history, religions, languages, literature, arts, sciences and social conditions of the present and former inhabitants of Ceylon and connected cultures; Pres. Dr. R. L. BROHIER, D.LITT., O.B.E., F.R.I.C.S., F.R.G.S.; library contains one of the largest existing collections of books on Ceylon, and others on Indian and Eastern culture in general; publ. *Journal.*

Theosophical Society of Ceylon: Besant House, 49 Peterson Lane, Colombo, 6.

RESEARCH INSTITUTES

Central Agricultural Research Institute: Experiment Station, Peradeniya; f. 1962; to cover all forms of agriculture and veterinary research.

Ceylon Institute of Scientific and Industrial Research: 363 Bullers Road, Colombo 7; f. 1955; applied technical research institute working in many fields for industry, government agencies and the public; process research, resources studies, waste material utilisation, natural products research, machinery design and fabrication, radio communication, technical consulting, industrial project evaluation; Dir. Dr. G. PONNAMPERUMA, B.SC., PH.D. (LOND.), D.I.C., F.R.I.C., M.I.CHEM.E.; Chief Research Officer S. F. LAURENTIUS, M.B.A., M.SC.(TECH.), A.C.T.M., A.R.I.C.; Head Chemical Technology Dr. A. H. WEEREKOON, B.SC., PH.D.; Head Process Engineering Dr. R. SIVARAMALINGAM, B.SC., PH.D., A.R.I.C., A.INST.F.; Head Rubbeı Technology M. S. WIJERATNE, B.SC., A.R.I.C.; Head Applied Physics Dr. S. GNALALINGAM, B.SC., M.A., PH.D., A.M.I.E.E., MEM.I.R.E.; Industrial Engineer L. J. FERNANDO, B.SC.; Research Officers: P. THARMALINGAM, B.SC., M.SC.MET., A.R.I.C., A.I.M.; K. RATNASINGHAM, B.SC., DIP. SUGAR TECH., F.S.T.A.I.; E. E. JEYA RAJ, B.SC., M.S.(M.I.T.); Research Probationer P. A. J. RATNASIRI, B.SC.; publs. *Annual Reports, Bulletin.*

Ceylon Medical Association: Specialists' Room, General Hospital, Colombo 8; f. 1885; Pres. Dr. A. D. P. A. WIJEGOONE-WARDENE; Hon. Sec. S. A. CABRAAL, F.R.C.S. (Eng.).

Chest Hospital (*formerly King George V Memorial Hospital*): Welisara; conducts research into tuberculosis; training school attached; Superintendent (T.B.) Dr. J. R. WILSON; Medical Officer-in-Charge Dr. J. D. SENEVIRATNE; Sec. Miss M. CANDIAH.

Coconut Research Institute: Bandirippuwa Estate, Lunuwila; autonomous research institute serving coconut industry of Ceylon; f. 1929; Dir. A. T. MAHINDA SILVA (acting); Sec. S. C. KAHAWITA, B.COM.; library of 8,000 vols.; publs. *Ceylon Coconut Quarterly, Ceylon Coconut Planters' Review, Annual Reports, Bulletins.*

Colombo Observatory: Buller's Road, Colombo; f. 1907; climatological data for Ceylon; seismology; time service; astronomical service; radar, wind and radiosonde observations for Colombo; admin. headquarters of Ceylon Meteorological Service; national meteorological broadcasis; Dir. D. J. JAYASINGHE.

Government Research Departments:

Department of Archæology: Edinburgh Terrace, Colombo 7; preservation and excavation of ruins and ancient monuments; C. E. GODAKUMBURA, M.A.

Department of Cultural Affairs: Dharmapala Mawata, Colombo 7; preservation of traditional culture; Dir. P. E. WEEREMAN, B.A. (Lond.).

Department of Fisheries, Research Station: P.O. Box 531, Macan Macar Mawatta, Colombo 3; Officer-in-Charge Dr. A. C. J. WEEREKOON.

Department of Mineralogy: Mineralogical Museum, Colombo.

Department of Wild Life: Echelon Square, Colombo.

Fisheries Research Station: Negombo.

Rice Research Station: Batalagodoa.

Economic Research Unit: Business Intelligence Dept., Bank of Ceylon, Colombo; Officer-in-Charge A. C. POULIER.

Medical Research Institute: Borella, Colombo; f. 1900; comprising departments of Bacteriology, Serology, Vaccines, Mycology, Nutrition, Parasitology, Chemistry of Natural Products, Entomology, Clinical Pathology, Biochemistry, Virology and Pharmacology; Deputy Dir. of Health (Laboratory Services) Dr. D. B. Gunasekeva, M.D. (Lond.), M.R.C.P. (acting); Sec. S. Valemurugu (acting).

Royal Botanic Gardens: Peradeniya; f. 1821; Supt. D. M. A, Jayaweera, M.Sc., F.L.S.; Asst. Supt. D. T. Ekanayake. B.Sc.; Curator S. B. Tennekoon, B.Sc.

Rubber Research Institute of Ceylon: Agalawatta; f. 1930; consists of laboratories and experimental stations extending over 1,000 acres; research and advisory service on rubber production; Dir. E. D. C. Baptist, Ph.D.; Chief Admin. Officer C. D. de Fonseka, A.C.C.A. & S.; publs. *Annual Report, Quarterly Journals, Advisory Circulars, Bulletins.*

School of Agriculture, School Farm and Experiment Station: Peradeniya; Principal School of Agriculture S. E. G. Salgado, B.Sc.(Agric.); Manager Experiment Station S. Thambiayah.

Tea Research Institute of Ceylon: St. Coombs, Talawakelle; f. 1925; maintained by a cess on all tea exports; laboratories at St. Coombs, Talawakelle; Dir. A. W. R. Joachim, O.B.E., B.Sc., Ph.D. (Lond.), F.R.I.C.; publ. *Tea Quarterly and Bulletin.*

LIBRARIES

Ceylon Institute of Scientific and Industrial Research Library: 363 Bullers Road, Colombo 7; f. 1955; 12,000 vols., 210 journals; standards and manufacturers' catalogues of several countries; Librarian V. Mahalingam, B.A., B.L.S.; Asst. Librarian Miss C. L. M. Nethsingha, B.Sc., A.L.A.

Ceylon Medical Library: 6 McCarthy Road, Colombo 7; f. 1844; 21,642 vols.; serves the Faculty of Medicine of the University and members of the medical profession; Hon. Sec. D. F. Weinman, F.R.C.S. (Eng.); Librarian Vincent de Silva; publ. *Ceylon Medical Journal.*

Ceylon University Library: Peradeniya; branch library in Colombo; 200,000 vols., 2,520 periodicals; Librarian K. D. Somadasa, B.A., M.S.

Colombo National Museum Library: Edinburgh Crescent, Colombo 7; f. 1870 as Government Oriental Library; 75,000 vols.& 1,035 periodicals; 2,500 MSS. in Pali, Sinhalese and Sanskrit; Librarian Lyn de Fonseka; publ. *Spolia Zeylanica.*

Department of Government Archivist: Gangodavila, Nugegoda; f. 1656 under Dutch; maintained by British from 1796 to 1947; collection mainly of Dutch and British records, with some documents in Portuguese, French, Sinhalese and Tamil; library of 6,800 vols.; Archivist A. Dewaraja, B.A.

Historical Manuscripts Commission: f. 1931; locates, examines and lists private manuscripts; issues photocopies; gives technical assistance in restoring and preserving manuscripts; publs. bulletins and reports; Chair. Prof. S. Paranavitane, C.B.E., Ph.D., D.Litt.; Sec. A. Dewaraja, B.A.

Law Library: Hultsdorp, Colombo 12.

National Bibliography Office: Gangodavila, Nugegoda; f. 1962; prepares the current National Bibliography, functions under the Government Archivist as a Branch of the Department of the Government Archivist; publs. *Ceylon National Bibliography* (monthly and annually).

Office of the Registrar of Books and Newspapers: Gangodavila, Nugegoda; preserves copies of all books printed in Ceylon after 1885; approx. 96,300 books received; Registrar A. Dewaraja, B.A.; publs. *Catalogue of Books* (quarterly) and *Catalogue of Newspapers* (annually).

Public Library: 18 Edinburgh Crescent, Colombo 7; f. 1925; 36,000 vols.; Librarian Mrs. Ishvari Corea, B.A.(Hons.) (Cey.), Dip. Lib. (Lond.), A.L.A.

Tea Research Institute Library: "St. Coombs", Talawakelle; f. 1925; about 6,000 vols. for reference and loan, including a specialist reference section dealing with tea and its allied subjects; Librarian Steve de Silva, B.Sc.

MUSEUMS

National Museums of Ceylon: Colombo 7; Dir. Dr. A. W. P. Guruge; publs. *Spolia Zeylanica* (Bulletin of the National Museums of Ceylon) (quarterly or half-yearly), *Administration Report of the Director of National Museums, Ceylon* (annual), *Ceylon National Museums Manuscript Series, Ceylon National Museums Geological Series, Ceylon National Museums Zoological Series, Ceylon National Museums Anthropological Series, Ceylon National Museums Historical Series.*

Colombo National Museum: Colombo; f. 1873; zoology, palæontology, prehistory, archæology, art, and orientalia; Dir. N. Seneviratne, B.A. (acting).

Jaffna National Museum: Jaffna; f. 1947; Curator A. Kandiah.

Kandy National Museum: Kandy; f. 1942; Dir. S. T. T. Rajakaruna.

Ratnapura National Museum: Ratnapura; f. 1942; Curator R. V. Gunasekera (acting).

UNIVERSITIES

UNIVERSITY OF CEYLON

PERADENIYA

Telephone: Colombo 81835.

Founded 1942 by the incorporation of the Ceylon Medical College (f. 1870) and the Ceylon University College (f. 1921). In 1959 the University was empowered to grant external degrees.

Chancellor: H.E. The Governor-General of Ceylon.

Vice-Chancellor: Sir Nicholas Attygalle, F.R.C.S., F.R.C.O.G., D.L.O., L.M.S., D.Sc.

Registrar: W. A. Jayawardana, M.A.

Librarian: K. D. Somadasa, M.S.

Number of teachers: 279.

Number of students (1963–64): 5,706.

Deans:

Faculty of Oriental Studies: Prof. D. E. Hettiaratchi, M.A., Ph.D.

Faculty of Arts: Prof. O. H. de A. Wijesekera.

Faculty of Science: Prof. B. L. T. de Silva, M.Sc.

Faculty of Medicine: Prof. O. E. R. Abhayaratne, D.Ph., L.R.C.P. & S., L.R.F.P. & S.

Faculty of Engineering: Prof. E. O. E. Pereira, B.Sc., B.A., A.M.I.C.E.

Faculty of Agriculture and Veterinary Science: Prof. C. A. MacGaughey, M.A., M.Sc., M.R.C.V.S., D.V.S.M.

Professors:

Faculty of Oriental Studies:

Hettiaratchi, D. E., M.A., Ph.D., Sinhalese

Jayawickrama, N. A., B.A., P.L.A., Pali

Kanapathipillai, K., Ph.D., Vidwan, Tamil

Wijesekera, O. H. de A., M.A., Ph.D., Dipl. O.S., Sanskrit

Faculty of Arts:

Amarasekera, D. V. A. S., B.A., Mathematics

Amerasinghe, C. W., M.A.(Cantab.), Classics

GUNASEKERA, H. A. de S., M.SC., PH.D., Economics
GUNAWARDANE, K. W., PH.D., History
JAYASURIYA, J. E., M.A. (LOND.), Education
JAYATILAKE, K. N., B.A., M.A., PH.D., Philosophy
KULARATNAM, K., M.A., PH.D. (LOND.), D.U.(PARIS), Geography
NADARAJA, T., B.A., BAR.-AT-LAW, Law
PARANAVITANA, S., C.B.E., PH.D.(GEY), HON. D.LITT., Archæology
PASSÉ, H. A., B.A., PH.D.(LOND.), English
PEIRIS, R., B.SC., PH.D., Sociology

Faculty of Science:
CRUSZ, H., PH.D., B.SC., Zoology
DE SILVA, B. L. T., M.SC., PH.D., Botany
MAILVAGANAM, A. W., O.B.E., M.A., PH.D., F.N.A.S.C., Physics

Faculty of Medicine:
ABHAYARATNE, O. E. R., D.P.H., L.R.C.P. AND S.(EDIN.), L.R.F.P. AND S.(GLAS)., Public Health
BIBILE, S. W., M.B.B.S., PH.D., Pharmacology
CHAPMAN, T. E. D., M.B.B.S., PH.D., DIP.BACT., Bateriology
COORAY, G. H., M.D., B.S., M.R.C.S., L.R.C.P., D.T.M. AND H., Pathology
DE SILVA, P. C. C., M.D., M.R.C.P., Pædiatrics
DISSANAYAKE, S. B., F.D.S., R.C.S., L.D.S., B.D., Dental Surgery
FERNANDO, H. V. J., M.B.B.S., M.A., Forensic Medicine
FONSEKA, C. P., de, F.R.C.S., M.S., Surgery
HOOVER, A. A., B.SC., PH.D., Biochemistry
KOCH, A. C. E., PH.D., L.M.S., Physiology
PAUL, M., M.S., F.R.C.S., M.R.C.P., F.I.C.S., Surgery
RAJASURIYA, K., L.M.S. (CEY.), M.R.C.P., M.D.(CEY.), Medicine
RANASINGHE, D. A., F.R.C.S., M.R.C.O.G., L.M.S., Obstetrics and Gynæcology
SINNATHAMBY, A., L.M.S., F.R.C.S., F.R.C.O.G., Obstetrics and Gynæcology
WAAS, M. J., L.M.S., PH.D., Anatomy

Faculty of Engineering:
CHINNAPPAH, J. C. V., B.E., D.I.C., M.SC., PH.D., Mechanical Engineering
PAUL, R. H., B.SC., M.A., M.I.E.E., F.R.S.A., Electrical Engineering
PEREIRA, E. O. E., B.SC., B.A., A.M.I.C.E., Civil Engineering

Faculty of Agriculture and Veterinary Science:
MACGAUGHEY, C. A., M.A., M.SC., M.R.C.V.S., D.V.S.M., Veterinary Science
SENEWIRATNE, S. T., M.SC.AGRON., PH.D., B.SC., Agriculture

VIDYALANKARA UNIVERSITY OF CEYLON

KELANIYA, COLOMBO

Telephone: Kelaniya 247.

Formerly Vidyalankara Pirivena; raised to University status by Act of Parliament in 1959.

Chancellor: H.E. THE GOVERNOR-GENERAL OF CEYLON.
Vice-Chancellor: Ven. Pandit KIRIWATTUDUWE SRI PANNASARA, Nayaka Thero.
Registrar: W. F. ABEYAKOON, M.A.

Faculties of Buddhist Studies, Arts, Languages and Philosophy.

Number of teachers: 71.

Number of students: 895 men (full-time).

DEANS:

Faculty of Arts: Prof. H. C. RAY.
Faculty of Buddhist Studies: Ven. Prof. B. SIRI SIVALI.
Faculty of Languages: Ven. Prof. K. PANNAKITTI.
Faculty of Philosophy: Prof. S. B. SHASTRI (acting).
Faculty of Science: (Vacant).

PROFESSORS:

CHANDAWIMALA, Ven. R., Buddhist Studies
KAULSALYAYANA, Ven. A., Hindi
KELEGAMA, J. B., Economics
PANNAKITTI, Ven. K., Sinhalese
PANNASEKARA, Ven. K., Pali
RAY, H. C., History
SHASTRI, S. B., Sanskrit
SIRI SIVALI, Ven. B., Buddhist Studies

VIDYODAYA UNIVERSITY OF CEYLON

GANGODAWILA, NUGEGODA

Telephone: 395.

Formerly Vidyodaya Pirivena; raised to University status by Act of Parliament in 1959; Buddhist.

Chancellor: H.E. THE GOVERNOR-GENERAL OF CEYLON.
Vice-Chancellor: Ven. W. SORATA.
Registrar: H. W. GUNASEKERA (acting).
Librarian: Ven. WERAGODA AMARAMOLI, Nayaka Thero, Pandit O.S.S.).

Number of teachers: 10 professors, 21 lecturers, 22 assistant lecturers, 52 visiting lecturers.

Number of students: 2,030.

DEANS:

Faculty of Philosophy: Ven. PARAWAHERA VAJIRAGNANA, Nayaka Thero.
Faculty of Buddhism: Ven. PALANNORUWE WIMALADHAMMA, Nayaka Thero.
Faculty of Languages: Ven. KALUKONDAYAWE PANNASEKARA, Maha Nayaka Thero.
Faculty of Arts: P. E. P. DERANIYAGALA.
Faculty of Science: G. P. WICKRAMA RACHI.

PROFESSORS:

Ven. PARAWAHERA VAJIRAGNANA, Nayaka Thero, Philosophy
Ven. PALANNORUWE WIMALADHAMMA, Nayaka Thero, Therawada Buddhism
Ven. BALANGODA ANANDA MAITRIYA, Maha Nayaka Thero, Mahayana Buddhism
Ven. BALAGALLE WIMALABUDDHI, Thero, Sinhala
Ven. KALUKONDAYAWE PANNASEKERA, Maha Nayaka Thero, Pali and Prakrit
DERANIYAGALA, P. E. P., Anthropology
GUNATUNGA, L. D. K., English
GUNAWARDANA, D. C., Science
MUKERJI, K. P., Economics
WICKRAMARACHI, G. P., Ayurveda

COLLEGES

CEYLON LAW COLLEGE

244 HULFTSDORD STREET, COLOMBO 12

Incorporated 1900.

Chairman: The Hon. H. H. BASNAYAKE, Q.C., Chief Justice.
Principal: M. F. S. PULLE, Q.C.

Number of teachers: 23.
Number of students: 197.

Ceylon School of Technology: f. 1965; for training engineers, technicians and craftsmen; 3- and 5-year courses to commence in 1966.

Ceylon Technical College: Colombo 10; courses in engineering and commerce.
Director: S. L. DE SILVA, B.SC., PH.D., DIP.CHEM.ENG.
Registrar: K. M. D. PERERA, B.COM.
Secretary: N. G. DE SILVA.
Librarian: M. H. W. THABREW.

Government Training College: Colombo-Maharagama; f. 1903; for the training of secondary school teachers.
Principal: D. G. SUGATHADASA, M.A.(ED.) (LOND.), B.SC. (LOND.).

Institute of Practical Technology: Katubedde, Moratuwa; courses in engineering.
Principal: L. H. SUMANADASA, B.SC., A.C.G.I., D.I.C., A.F.R.A.E.S.
Registrar: G. D. RANASINGE, B.A.

Jaffna College: Vaddukoddai; provides training for external degrees of Ceylon and London Universities in arts, science and economics.
Preident: Rev. S. K. BUNKER;
Deputy President: E. C. LOCKWOOD.
Registrar: J. H. ARIYARATNAM.

Jaffna Aquinas College: Bambalapitiya, Colombo; provides training for London University external degrees.

School of Agriculture: Peradeniya; f. 1916; 110 students.
Principal: S. E. G. SALGADO, B.SC.(AGRIC.).

School of Agriculture: Kundasale.

State College of Fine Arts: Colombo; f. 1953; fine arts, music, dancing.

CHILE

Population 8,216,723

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Santiago

Academia Chilena de la Lengua (*Chilean Academy*): Avda. Bernardo O'Higgins 1407; f. 1885; sixth in order of foundation in Spanish America; corres. mem. of the Real Academia Española, Madrid; publ. *Boletín*.

Director: RODOLFO OROZ SCHEIBE.

Secretary: PEDRO LIRA URQUIETA.

Treasurer: FIDEL ARANEDA BRAVO.

MEMBERS (BY SENIORITY):

IGLESIAS, AUGUSTO
DÍAZ ARRIETA, HERNÁN
SCARPA, ROQUE ESTÉBAN
BARRIOS, EDUARDO
MALUENDA, RAFAEL
PINO SAAVEDRA, YOLANDO
SILVA CASTRO, RAÚL
EDWARDS BELLO, JOAQUÍN
LATCHAM ALFARO, RICARDO
EYZAGUIRRE GUTIÉRREZ, JAIME
DONOSO GONZÁLEZ, FRANCISCO
BARRENECHEA, JULIO
BULNES, ALFONSO
DURÁN VILLAREAL, FERNANDO
REYES, SALVADOR
GARRETÓN SILVA, ALEJANDRO
GARCÍA VERGARA LAUTARO
MILLAS, JORGE
SILVA ESPEJO, RENÉ (*elected*).
PEREIRA SALAS, EUGENIO (*elected*).
GUZMÁN CRUCHAGA, JUAN (*elected*).

Academia Chilena de Ciencias Naturales (*Chilean Academy of Natural Sciences*): Lord Cochrane 418; f. 1926; Pres. Dr. HUGO GUNCKEL L.; Sec. HANS NIEMEYER; publ. *Anales*.

Academia Chilena de la Historia (*Academy of History*): Casilla 2437; f. 1940; Dir. JAIME EYZAGUIRRE; publs. *Boletín*, Book Series.

Asociación de Educación Nacional (*National Educational Association*): Pres. Dr. CARLOS FERNÁNDEZ PEÑA; Sec.-Gen. ALVARO RIVERA M.

Asociación Judicial de Chile (*Law Society of Chile*): Santo Domingo 1373.

British Council (*Consejo Británico*): Casilla 154 D; Representative C. H. WHISTLER; co-operates through British-Chilean Institutes in Santiago, Valparaíso and Concepción.

Colegio de Farmacéuticos de Chile (*College of Pharmacists*): Casilla 1136; f. 1942; Pres. V. M. CERECE DA ARANCIBIA; regional councils in Angol, Antogafasta, Chillán, Concepción, Iquique, Magallanes, Santiago, La Serena, Talca, Temuco, Valdivia, Valparaíso; publ. *Revista Colegio Farmacéutico*; 1,800 mems.

Comité Nacional de Geografía, Geodesía y Geofísica (*National Geographical, Geodetic and Geophysical Committee*): Castro 354; f. 1935 to encourage and co-ordinate research in the fields mentioned; Pres. Gen. RAMÓN CAÑAS MONTALVA; Gen.-Sec. Col. Ing. GEOG. RAÚL FUENZALIDA CORREA.

Council of Rectors of Chilean Universities: Agustinas 853, Oficina 547; Pres. EUGENIO GONZÁLEZ R., Gen. Sec. HORACIO SERRANO P.

Estación de Patología Vegetal (*Plant Pathology Station*): Departamento de Defensa Agrícola, Quinta Normal, Casilla 4647; f. 1896; library, 2,600 vols.; Chief Engineer SERGIO TARTAKOWSKY HENKER; publ. *Agricultura Técnica*.

Estación Experimental de la Sociedad Nacional de Agricultura (*National Agricultural Society Experimental Station*): Fundo "La Vega", Huelquen-Paine; f. 1924; Dir. JORGE BENAVIDES; publ. *Memoria Anual*.

Fundación Gildemeister: Augustinas esq. Amunátegui 178, 3° piso, Casilla 99-D; f. 1947 to co-operate with public or private institutions, universities, etc., in medical research and particularly in the diffusion of the technique of thoracic surgery, cardiology, neurology and neurosurgery; Pres. WALTER PIZA; Hon. Sec. JULIA COHEN; publ. *Revista-Memoria*.

Instituto Agrario de Estudios Económicos: Casilla 13907, Agustinas 720; f. 1962; gives technical, economic assistance to farmers' societies; publ. *Intagro* (quarterly)

Instituto Agronómico de Chile (*Chilean Agricultural Institute*): Facultad de Agronomía de la Universidad de Chile, Quinta Normal, Casilla 1004; f. 1876; library, 12,000 vols.; Librarians ELBA BARRENECHEA and OLGA N. DE PINCHEIRA; publ. *Boletín Bibliográfico*.

Instituto Bacteriológico de Chile (*Chilean Bacteriological Institute*): Casilla 48; f. 1929; Dir. Prof. Dr. EDUARDO DUSSERT; publ. *Boletín*.

Instituto Chileno-Alemán de Cultura (*Chilean-German Cultural Institute*): Casilla 1050; f. 1952; Dir. Dr. GUENTER BAER.

Instituto Chileno-Británico de Cultura (*Chilean-British Cultural Institute*): organises language courses, literary readings and art exhibitions; library of 12,500 vols.

Instituto Chileno-Francés de Cultura: Agustinas 719, Casilla 3567; Dir. JEAN DEDIEU.

Instituto Chileno-Norteamericano de Cultura: Calle Moneda 1467, Casilla 9286; f. 1941.

Instituto de Geofísica y Sismología (*Institute of Geophysics and Seismology*): Universidad de Chile, Blanco Encalada 2008, Casilla 2777; f. 1908; Dir. Dr. CINNA LOMNITZ; publs. *Yearbook, Seismological Provisional Readings* (every ten days) and other works including earthquake charts.

Instituto de Ingenieros de Chile (*Institute of Chilean Engineers*): San Martín 352, Casilla 487; f. 1900; publ. *Anales*.

Instituto Geográfico Militar (*Military Geographical Institute*): Castro 354; f. 1922; Dir. Col. TOMÁS OPAZO SANTANDER; publs. *Revista Geográfica de Chile Terra Australis, Anuario del Instituto*.

Instituto Médico Legal (*Institute of Forensic Medicine*): Av. La Paz 1012.

Instituto Nacional de Investigaciones Tecnológicas y Normalización (*National Institute of Technological Research and Standardisation*): Teatinos 20, piso 2; f. 1944; library of 2,000 vols.; Dir. Ing. CARLOS HOERNING.

Istituto Italiano di Cultura: Calle Huérfanos, 1828; Dir. Prof. ETTORE ROGNONI.

Observatorio Astrofísico "Manuel Foster" (*Observatory of the Catholic University of Chile*): Casilla 6014; Dir. ERICH P. HEILMAIER K.

Observatorio Astronómico Nacional (*National Astronomical Observatory*): Casilla 36-D; f. 1852; library of 5,000 vols.; Dir. Prof. FEDERICO RUTTLANT; publ. *Anuario*.

Observatorio del Salto (*Salto Observatory*): Casilla 130; f. 1919; Sections: Solar, Meteorological-Bioclimatological, Geophysical, Magnetic and Seismological; Dir. JULIO BUSTOS NAVARRETE; publs. *Boletín Mensual*; daily scientific broadcasts.

Oficina de Mensura de Tierras, Sección Geodética (*Survey Office, Geodetical Department*): Casilla 247; publ. *Memorias*.

Oficina Meteorológica de Chile (*Meteorological Bureau*): Casilla 717; f. 1884; library, 8,000 vols.; Dir. Comandante SERGIO BRAVO FLORES, Head of Chilean Meteorological Service; 95 meteorological stations; 3 radio sonde observatories, 1 geomagnetic observatory (Easter Island), 6 atmospheric radioactivity observatories; publs. *Boletín Diario, Boletín Climatológico Quincenal, Boletín Pluviométrico Mensual, Anuario*.

Servicio Nacional de Estadística y Censos (*Statistical Office*): Casilla 6177, Correo 5; f. 1843; Dep. Dir. SERGIO CHAPARRO RUIZ; publs. *Anuarios Estadísticos, Revista Mensual, Estadística Chilena, Censos*.

Sociedad Agronómica de Chile (*Agronomical Society of Chile*): Casilla 4109; f. 1910; no. of mems. about 818; Pres. MIGUEL DAGNINO; Dir. of the review *Simiente* GUSTAVO SARAVIA.

Sociedad Chilena de Entomología (*Entomological Society*): Casilla 4150; Pres. Dr. ROBERTO DONOSO; Sec. J. GALLARDO; 89 mems.; publ. *Revista Chilena de Entomología*.

Sociedad Chilena de Historia y Geografía (*Chilean Society of History and Geography*): Casilla 1386; f. 1911; Pres. MANUEL MONTT; Sec.-Gen. F. CAMPOS HARRIET; Treas. SERGIO MARTÍNEZ BAEZA; 250 mems., 10 hon., 60 corresponding; publs. *Revista Chilena de Historia y Geografía*, related works.

Sociedad Chilena de Historia Natural (*Chilean Society of Natural History*): Casilla 787; f. 1926; Pres. Dr. ROBERTO DONOSO B.; Sec. JOSÉ VALENCIA; publ. *Revista Chilena de Historia Natural*.

Sociedad Chilena de Tisiología (*Chilean Phthisiological Society*): f. 1933; Pres. Dr. GONZALO CORBALÁN; Sec. Dr. VICTOR SIERRA; publ. *Revista*.

Sociedad Científica de Chile (*Scientific Society of Chile*): Casilla 696; f. 1891; Pres. Prof. Dr. HUGO K. SIEVERS W.; Vice-Pres. Dr. FERNANDO CASASBELLAS, Prof. M. MARIO DUJISIN K.; Gen. Sec. Ing. JUAN E. GATICA S.; publ. *Revista*.

Sociedad Científica Chilena "Claudio Gay" (*Chilean Scientific Society*): Casilla 2974; f. 1946; library, 3,100 vols.; Pres. RAOUL CORTÉS P.; Sec. OCTAVIO BARROS V.; Treas. MARIO ERRÁZURIZ L.; Curator of Museum LUIS E. PEÑA; 143 mems.

Sociedad de Bibliófilos Chilenos (*Society of Chilean Bibliophiles*): Casilla 895; f. 1945; Pres. ALAMIRO DE AVILA; Sec. RAMÓN EYZAGUIRRE; 100 mems.; publ. *El Bibliofilo Chileno* (quarterly).

Sociedad de Cirugía de Chile (*Surgical Society of Chile*): Calle Paris 809; f. 1922; Sec. Dr. E. GREENE; publ. *Boletín*.

Sociedad de Medicina Veterinaria de Chile (*Chilean Veterinary Society*): Clasificador 740; f. 1926; 350 mems.; Pres. Dr. GONZALO TOWNSEND M.; Sec. Dr. GUILLERMO MUÑOZ P.; publ. *Revista*.

Sociedad de Neurología, Psiquiatría y Medicina Legal (*Society of Neurology, Psychiatry and Forensic Medicine*): f. 1931; Pres. Prof. Dr. O. FONTECILLA; Sec. Dr. ROJAS CARVAJAL.

Sociedad Médica de Santiago (*Santiago Medical Society*): Casilla 23; f. 1869; library, 20,000 vols.; Pres. Dr. RENATO GAZMURI OJEDA; Sec. Dr. EDUARDO KATZ CUADRA; 500 mems.; publ. *Revista Médica de Chile* (monthly).

Sociedad Nacional de Agricultura (*National Society of Agriculture*): Casilla 40 D; f. 1838; library, 40,000 vols.; research in agricultural, social and economic problems; controls a plant genetics experimental station and a broadcasting chain with stations in three cities; register of pedigree cattle kept; annual cattle and agricultural machinery show since 1869; Pres. VÍCTOR BRAUN; Sec. CÉSAR SEPÚLVEDA LATAPIAT; publ. *El Campesino*.

Sociedad Nacional de Minería (*National Society of Mining*): Casilla 1807; f. 1883; Pres. FRANCISCO CUEVAS MACKENNA; publ. *Boletín Minero*.

Escuela "El Vergel" (*El Vergel Agr. School*): f. 1920; secondary agricultural school on the experimental farm established by the Methodist Church in Chile for practical training purposes, experimental work and agricultural extension; comprises seven sections: plant nursery, orchards, dairy, general farming, reafforestation, vegetable gardening and museum; Gen. Admin. W. F. MASON; Dir. Agric. School R. C. LANG; Dir. Girls' School SEMERAMIS KUTZ; Dir. Emeritus Agric. School and Curator Museum D. S. BULLOCK; publs. plant catalogue, related pamphlets, museum pamphlets.

Concepción

Colegio Farmacéutico de Chile (*Pharmaceutical College of Chile*): Casilla 265; f. 1943; fmrly. Sociedad Farmacéutica; has various Regional Councils; publ. *Revista Química-Farmacéutica*.

Institut Culturel Franco-Chilien: Casilla 348.

Sociedad de Biología de Concepción (*Concepción Biological Society*): Casilla 29; f. 1927; library, 400 current periodicals; Pres. Prof. Dr. ALFONSO MARTÍNEZ; Sec. Prof. MARIO ALARCÓN; publ. *Boletín*.

Sociedad Médica de Concepción (*Medical Society*): Casilla 60-c; f. 1886; Pres. Dr. ENRIQUE BELLOLIOZ; publ. *Anales Médicos de Concepción*.

Valparaíso

Instituto Hidrografico de la Armada (*Hydrographic Institute of the Navy*): Casilla 324; f. 1874; Dir. GUILLERMO BARROS G., Capitán de Navío; publs. *Anuario Hidrográfico, Derroteros* (sailing directions), charts, tide tables, and lists of lighthouses, etc.

Goethe Institut: Casilla 94-V; f. 1960; Dir. Dr. H.-I. PRITTWITZ.

Instituto Oceanográfico de Valparaíso (*Oceanographic Institute*): Avda. Errázuriz 471, Casilla 117-v; f. 1945; affiliation of Liga Marítima de Chile (*see under*); Pres. Dr. EDWYN P. REED; incorporates representatives of the Corporación de Fomento de la Producción, Chilean Navy, Univs. of Chile, Concepción, the Catholic Univs. and the Liga Marítima de Chile; small specialised library; museum.

Liga Marítima de Chile (*Chilean Maritime League*): Avda. Errázuriz 471, Casilla 117-v; f. 1914; Patron, the Pres. of the Chilean Republic; Pres. Vice-Admiral CARLOS TORRES HEVIA; Vice-Pres. KAARE OLSEN NIELSEN, ERNESTO DIGHERO LAJAÑA; Sec. LUIS VERDUGO RIVEROS; Treas. HUMBERTO POBLETE S.; 1,350 mems.; brs. in Iquique, Tocopilla, Santiago, Concepción, Tomé,

Valdivia, Puerto Montt and Punta Arenas; affiliations: Instituto Oceanográfico de Valparaíso (*see above*) and Instituto Náutico de Chile (yachting, rowing, fishing); both of the same address; publ. *Mar* (bi-monthly); small sea museum (Museo del Mar "Héctor Vigil").

Sociedad Médica de Valparaíso (*Medical Society of Valparaíso*): Victoria 2353; f. 1913; library, 3,200 vols.; Pres. Dr. CARLOS PATTILLO BERGEN; Sec. Dr. HERNÁN ORELLANA GUZMÁN; 271 mems.; publ. *Revista Médica de Valparaíso* (quarterly).

Sociedad de Oftalmología de Valparaíso (*Ophthalmological Society of Valparaíso*): Plaza A. Pinto 341; affil. to Sociedad Médica de Valparaíso; f. 1928; Dir. Dr. CARLOS SILVA LAFRENTE; Sec. Dr. ARMANDO H. CHAPPARO.

Sociedad de Pediatría de Valparaíso (*Pædiatrics Society of Valparaíso*): Victoria 2335; f. 1932; affil. to Sociedad Médica de Valparaíso; Pres. Dr. ELIECER LARA H.; Sec. Dr. ROBERTO PEDEMONTE; 30 mems.

Viña del Mar

Estación de Biología Marina de Montemar (*Marine Biology Research Station, University of Chile*): Casilla Postal 13-D, Viña del Mar; f. 1941; Asst. Dir. Prof. HÉCTOR ETCHEVERRY DAZA; comprises Sections of Zoology (Head, Dr. WALTER FISCHER); Botany (Head, Prof. HÉCTOR ETCHEVERRY DAZA), Chemistry (Head, Prof. REGINA CUBILLOS MOYA); 13 mems.; scientific investigators are invited to work in the laboratories of the Institute; 10,000 vols. in specialised library; publ. *Revista de Biología Marina* (3 nos. per annum); the Institute also houses the Comité Internacional Latino-Americano de Oceanografía, Biología Marina y Pesca (Latin American Int. Cttee. on Oceanography, Marine Biology and Fishery); Chair. Dr. P. YÁÑEZ; Gen. Sec. Prof. CELESTINO CASTRO ALVARENGA.

LIBRARIES AND ARCHIVES

Santiago

Archivo Nacional (*National Archives*): Av. Bernardo O'Higgins y MacIver; f. 1927; Dir. JUAN EYZAGUIRRE ESCOBAR; Sections: Historic and Public Administration, comprising collections of related MSS. documents; publs. catalogues, inventories, etc.

Biblioteca Central de la Universidad de Chile: Avenida Bernardo O'Higgins 1058, Casilla 10D; f. 1936; the Central University library contains more than 200,000 vols., comprising donations from Great Britain, the United States and Spain, and from private collections, including those of Pedro Montt and Alejandro Fuenzalida Grandón; there are 40 other libraries in the University with an aggregate of 1,000,000 vols.; Dir. of Central Library VICENTE SALAS V.

Biblioteca Central del Ministerio de Agricultura: Casilla 4625; f. 1947; 76,000 vols.; Librarian SERGIO SALAS.

Biblioteca de la Recoleta Dominicana (*Library of the Dominican Recollect*): f. 1750; Librarian PEDRO MOURE SALCEDO; 60,000 vols.

Biblioteca de la Universidad Católica de Chile: Av. Bernardo O'Higgins 340, Casilla 114D; f. 1895; 120,000 vols.; Dir. MARÍA TERESA SANZ BRISO-MONTIANO.

Biblioteca del Congreso Nacional (*Congress Library*): Calle Compañía; f. 1883; Dir. JORGE UGARTE VIAL; Chief Law Section ANTONIO VODANOVIC; Chief Cataloguing Section JOSÉ ZAMUDIO; 250,000 vols. on law, politics and economics, principal dictionary-catalogues, books, articles from reviews, foreign and national laws; open to the public.

Biblioteca de la Dirección General de Bibliotecas, Archivos y Museos: f. 1813; 700,000 vols.; Dir. EDUARDO BARRIOS HUDTWALCKER.

Biblioteca del Instituto Nacional (*National Institute Library*): Calle Arturo Prat 53; f. 1857; Dir. ERNESTO BOERO LILLO; 30,000 vols.; publ. *Boletín*.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of Ministry of Foreign Affairs*): Government library.

Biblioteca Nacional de Chile (*National Library*): Avenida B. O'Higgins 651; f. 1813; Dir. GUILLERMO FELIU CRUZ; Gen. Sec. ERNESTO GALLIANO; Librarians ELVIRA ZOLEZZI CARNIGLIA, JUAN CAVADA BÓRQUEZ, MARÍA SILVA PORTALES, JULIA PARGA ROJAS, AUGUSTO EYQUEM BIAUT; 730,000 vols., 640 MSS., 83 incunabula; publ. *Mapacho*.

British Institute Library: Santa Lucia 124, Casilla 154-D; f. 1938; 12,000 vols., mostly by British authors.

Centro Nacional de Información y Documentación—CENID (*National Centre for Information and Documentation*): Agustinas 853, Oficina 547; f. 1962; clearing house for scientific documentary and technical information; Dir. CÉSAR FIGHETTI S.

Concepción

Biblioteca Central de la Universidad de Concepción: Barros Arana 1068, Casilla 1807; f. 1919; 150,000 vols.; Dir. FERNANDO RODRÍGUEZ ALONSO.

Valparaíso

Biblioteca Central de la Universidad Católica de Valparaíso: Casilla 4059; 25,000 vols.

Biblioteca Central de la Universidad Técnica "Federico Santa María": Avda. España 1680; f. 1926; 45,000 vols.; Dir. BLANCA MATAS.

Biblioteca Severín de Valparaíso (*Severin Library*): Plaza Victoria; f. 1873; Sections: Chile and General; 101,000 vols.; Dir. G. GAMHAM LÓPEZ.

MUSEUMS

Santiago

Museo de Anatomía Humana "Manuel Villela" (*Anatomical Museum*): Universidad Católica de Chile; f. 1930; Dir. Dr. JUAN VIAL.

Museo de Arte Contemporáneo (*Contemporary Art Museum*): Quinta Normal, Casilla 5627; Dir. NEMESIO ANTÚNEZ.

Museo de Arte Popular Americano (*Arts of the American Peoples Museum*): Cerro Santa Lucía; f. 1944; Dir. TOMÁS LAGO; traditional minor arts and industries, ritual, folklore, etc., of the Americas, Araucanian silverware.

Museo de Historia Natural de San Pedro Nolasco (*Natural History Museum*): Huérfanos 669, Casilla 525; f. 1912; Dir. Rev. INOCENCIO BELTRÁN BELTRÁN.

Museo Histórico Nacional de Chile (*National Historical Museum*): Miraflores 50, Casilla 9764; f. 1911; incorporates the old Museo de Etnología y Antropología de Chile, which is now the Section of Prehistory; Dir. CARLOS LARRAIN DE CASTRO; Sections: Prehistory and Folklore (14,185 exhibits), History and Military (5,560 exhibits).

Museo Nacional de Bellas Artes (*National Museum of Fine Arts*): Parque Forestal; f. 1880; library, 256 vols.; Dir. LUIS VARGAS ROSAS; paintings, engravings and etchings total 4,064, 367 pieces of sculpture.

Museo Nacional de Historia Natural (*National Museum of Natural History*): Casilla 787; f. 1830; Departments: Vertebrates, Invertebrates, Entomology, Hydrobiology, Botany, Cryptogams, Phanerogams, Mineralogy and Geology, Palæontology, Anthropology, Herpetology; Dir. HUMBERTO FUENZALIDA V.; publs. *Boletín*, *Anales*.

Museo Pedagógico de Chile: Calle Dieciocho 145; f. 1913; contains educational records; library of 15,000 vols.; Dir. LEONARDO FUENTEALBA HERNÁNDEZ.

Angol

Museo Dillman S. Bullock: Casilla 2-D Angol; f. 1946; Curator DILLMAN S. BULLOCK, D.SC.; general local flora and fauna; birds, mammals, reptiles, insects; extensive local archæological collection.

Concepción

Museo de Concepción (*Concepción Museum*): Pedro de Valdivia No. 1693, Casilla 58; f. 1903; Dir. Prof. FIDEL JELDES ARAVENA.

Hualpen, near Concepción

Museo de Hualpen (*Hualpen Museum*): f. 1882; Curator Prof. HERNÁN SAN MARTÍN; collections of Greek, Roman and Egyptian Archæology; best arms and numismatic collections in Chile; Oriental art; Chilean and American folk arts; Chilean archæology; eighteenth and nineteenth-century furniture.

La Serena

Museo Arqueológico de la Serena (*La Serena Archæological Museum*): Casilla 117, La Serena; sections on archæology, prehistory, physical anthropology, colonial history, ethnology and palæontology; Dir. JORGE IRIBARREN CH.; publs. *Boletín, Notas del Museo, Contribuciones Arqueológicas*.

Punta Arenas

Museo Regional de los Padres Salesianos (*Salesian Regional Museum*): Instituto "Don Bosco", Av. Bulnes 374, Casilla 347; f. 1913; Dir. Pbro. EDUARDO VAN HESSE; ethnographical (notable relics of extreme South American and Tierra del Fuegan tribes) and scientific.

Talca

Museo de Bellas Artes: 3 Norte 2 Poniente 1397; f. 1925; paintings, stained glass, arms; Dir. JOSÉ M. CRUZ CORTÉS.

Temuco

Museo Araucano de Temuco (*Araucanian Museum*): Andrés Bello 785, Casilla 481; f. 1940; opened to the public 1943; Dir. Prof. EDUARDO PINO ZAPATA; more than 3,000 artistic and folklore exhibits of the Araucanian Indians of South Chile and others relating to the Conquest and Pacification of Araucania.

Valparaíso

Museo de Historia Natural de Valparaíso (*Natural History Museum*): Calle Errázuriz 254, Playa Ancha; f. 1879; Dir. Prof. JOHN JUGER SILVER.

UNIVERSITIES AND TECHNICAL UNIVERSITIES

UNIVERSIDAD AUSTRAL DE CHILE
(Southern University of Chile)

CASILLA 567, VALDIVIA

Telephone: 1356.

Founded 1954.

Rector: FÉLIX MARTÍNEZ BONATI.

Secretary-General: JUAN PISCHEDDA LARRAÍN.

Number of teachers: 70.

Number of students: 460.

DEANS:

Faculty of General Studies: ITALO CAORSI CHOUQUER.

Faculty of Veterinary Medicine: ALFREDO SCHÜLER VON DELITZ.

Faculty of Agriculture: RICARDO WESTERMEYER EIMBCKE.

Faculty of Forestry Engineering: ELEAZAR HUERTA VALCÁRCEL.

UNIVERSIDAD DE CHILE
(University of Chile)

AV. BERNARDO O'HIGGINS 1058, CASILLA 10-D, SANTIAGO

Telephone: 82451.

Founded 1738 as Universidad Real de San Felipe; inaugurated 1843 as Universidad de Chile.

Rector: EUGENIO GONZÁLEZ ROJAS.

Secretary-General: ALVARO BUNSTER.

Departamento de Difusión Cultural: Dir. FRANCISCO GALDAMES.

Editorial Universitaria, S.A.: Man. EDUARDO CASTRO.

Number of teachers: 1,200.

Number of students: 14,509.

Publications: *Anales de la Universidad de Chile, Anales* of the different faculties, *Revistas;* literary, historical and educational works; classics.

DEANS:

Faculty of Architecture: JUAN MARTÍNEZ GUTIÉRREZ.

Faculty of Juridical and Social Sciences: DARIO BENAVENTE.

Faculty of Physical and Mathematical Sciences: CARLOS MORI GANNA.

Faculty of Medicine: HERNAAN ALESSANDRI.

Faculty of Odontology: Dr. ENRIQUE PHILLIPS.

Faculty of Economical Sciences: LUIS ESCOBAR.

Faculty of Philosophy and Education: (Vacant).

Faculty of Music: ALFONSO LETELIER LLONA.

Faculty of Fine Arts: LUIS OVARZÚN PEÑA.

Faculty of Veterinary Science: Dr. RICARDO ABEL.

Faculty of Chemistry and Pharmacy: LUIS CERUTTI.

Faculty of Agronomy: RUY BARBOSA.

PROFESSORS (*Ordinarios*):

Faculty of Architecture:

AEDO CARRASCO, FRANCISCO, Technology of Materials
AGUIRRE DEL CANTO, SANTIAGO, Architecture and Town Planning
BEDRACK, MOISÉS, Town Planning
BEHM ROSAS, HERNÁN, Agricultural Analysis and Urban Organisation
CÁCERES OSORIO, HÉCTOR, Drawing
CARACCI ONETTO, FERNANDO, Modelling
CECCHI DÍAZ, CÉSAR, Biology and Hygiene
DÁVILA, ROBERTO, Architectural Composition
ETCHEBARNE RIOL, JUAN, Installations
ETCHEVERRY ORTHOUS, GÁSTON, Descriptive Geometry
FENNER NARÍN, ERIC, Legislation
FERRADA, DOMINGO, Mathematics
FERRADO, NICOLÁS, Building Construction
FIGUEROA CARRASCO, OSVALDO, Descriptive Geometry
GALVAN LLORENTE, VENTURA, Modelling
GARCÍA TELLO, JOSÉ, Biology and Hygiene
GEISSE VARAS, GUILLERMO, Topography
GODOY, IVÁN, Architectural Projects and Town Planning
GONZÁLEZ ESPINOSA, SERGIO, Architectural Analysis and Town Planning
GUZMÁN ALVAREZ, EUCLIDES, Technology of Materials
IBÁÑEZ VALENZUELA, JULIO, Stability
KIRBERG BALTIANSKY, ENRIQUE, Installations
MARDONES RESTAT, HÉCTOR, Architectonics
MARDONES RESTAT, JULIO, Architectural Analysis and Town Planning
MARTÍNEZ, JUAN, Architectural Composition
MORALES MALVA, JOSÉ R., History of Art
PERELMAN ROTT, SIMÓN, Construction
PÉREZ CASTELBLANCO, ENRIQUE, Applied Mechanics
POBLETE, JORGE, Town Planning
PRIETO CASANOVA, LEÓN, Architectonics
RIVERA, AGUSTÍN, Trigonometry and Algebra
SCHÁPIRA SPAISKY, ABRAHAM, Technical Drawing

Tapia Chuaqui, Ricardo, Architecture and Town Planning
Tapia Moore, Astolfo, Sociology
Torrealba Duque, Orlando, Architecture and Town Planning
Urquieta Tognarelli, Horacio, Descriptive Geometry
Veliz Montoya, Raúl, Applied Mechanics
Weil Wohlke, Edwin, Architecture and Town Planning
Zentilli Milano, Aquiles, History of Architecture

Faculty of Juridical and Social Sciences:
Alegría, Mario, Constitutional History of Chile
Alessandri, Fernando, Procedural Law
Alvarez, Humberto, Procedural Law
Avila Matrel, Almiro de, History of Law
Aylwin Azocar, Patricio, Administrative Law
Baltra, Alberto, Political Economy
Barros, Ernesto, Public International Law
Bunster, Briceño, A., Penal Law
Camus, Mardones, C. R., Financial Law
Carrasco Acuña, J., Forensic Practices
Carvallo Concha, A., Introduction to Juridical and Social Sciences
Carvallo Hederra, S., Financial Law
Casarino Viterbo, M., Procedural Law
Castro Castro, R., Mineral Law
Cid Quiroz, B., Roman Law
Cifuentes Barrientos, H., Public Law
Correa Labra, E., Procedural Law
Cousiño, Luis, Forensic Medicine
Crichton Solar, Andrés H., Labour Law
Cumplido Cereceda, F., Constitutional Law
Echavarría, Alberto, Procedural Law
Escala Barros, Enrique, Commercial Law
Escudero, Julio, Public International Law
Ewing, Graham, Arturo Commercial Law
Eyzaguirre Echeverría, Rafael, Commercial Law
Eyzaguirre Gutiérrez, Jaime, General History of Law
Fernandez Villamayor, Angel, Legal Medicine
Frigolet Zamora, Einar, Political Economy
Fuenzalida Puelma, Sergio, Civil Law
Fueyo Laneri, Fernando, Civil Law
Gaete Berríos, Alfredo, Labour Law
Gajardo Villarroel, Enrique, Law
González Morales, Rodolfo, Penal Law
Guzmán Escobar, Oscar, Constitutional Law
Guzmán, Jorge, Constitutional Law
Heise González, Julio, Constitutional History of Chile
Henríquez Escobar, Oscar, History of Law
Herrera Silva, J., Commercial Law
Hoyos Herenchson, F., Procedural Law
Hubner Gallo, Jorge I., Introduction to the Study of Law
Lasalvia Copene, Rafael, Commercial Law
León Alvarado, C., Philosophy of Law
León Hurtado, A., Civil Law
López Pescio, Bermeval, Procedural Law
López Rojas, Hugo, Civil Law
Lorca Rojas, Gustavo, Roman Law
Matus Benavente, Diego, International Law
Matus Valencia, Juan G., Civil Law
Maza, Lorenzo de la, Civil Law
Melo Freeman, Benjamín, Penal Law
Méndez Braña, Ramiro, Procedural Law
Mendoza Lumbreras, Heraclio, Commercial Law
Meza Barros, Ramón, Civil Law
Millas Jiménez, Jorge, Philosophy of Law
Mori Gana, Camilo, Private International Law
Mosquera Ruiz, M., Procedural Law
Muzica Bezanilla, Fernando, Civil Law
Olate Cerda, W., Penal Law
Olavarría Avila, Julio, Commercial Law
Olsen Provist, Enrique, Forensic Medicine
Ovalle, Jorge, Constitutional Law
Oyarzun Gallegos, Rubén, Political Economy
Pacheco Gómez, Máximo, Introduction to Law
Pereira Anabalón, Hugo, Procedural Law
Pescio Vargas, Victorio, Civil Law
Pinto Rogers, Humberto, Civil Law
Pinto Santa Cruz, Francisco, Political Economy
Prats González, Belisario, Constitutional History of Chile, Industrial and Agricultural Law
Puga Domínguez, Eugenio, Legal Medicine
Quiroz Weber, Daniel, Industrial and Agricultural Law
Ramírez Gabella, Daniel, Roman Law
Rettig, Raúl, Philosophy of Law
Rioseco, Alberto, Political Economy
Rodríguez, Jorge, Industrial and Agricultural Law
Rosende, Hugo, Civil Law
Ruiz Bourgeois, Carlos, Mining Law
Ruiz del Solar, Marcelo, Public International Law
Salvat, Manuel, History of Law
Schaulson Numhauser, Jacobo, Civil Law
Schweitzer Speisky, Mibuel, Penal Law
Serani Burgos, Alejandro, Civil Law
Silva Cimma, Enrique, Administrative Law
Soya, Carlos, Economic Sciences
Uribe Herrera, Armando, Mining Law
Urrutia, Manuel, Procedural Law
Varas, Fernando, Private International Law
Varela Caballero, Alex, Administrative Law
Varela Varela, Raúl, Commercial Law
Velasco Letelier, Eugenio, Civil Law
Walker, Francisco, Labour Law
Zuloaga Villalón, Antonio, Civil Law

Faculty of Physical and Mathematical Sciences:
120 Ordinary Professors

Faculty of Medicine:
Acevedo D., Enrique, Surgery
Adriasola E., Guillermo, Maternal and Infantile Hygiene
Agosin K., Moisés, Chemistry
Alessandrini, Italo, Surgery
Allamand M., Juan, Surgery
Ariztía, Aníbal, Pædiatrics
Armas, Rodolfo, Medicine
Armijo, Rolando, Epidemiology
Avendaño, Oscar, Medicine
Badines, Orlando, Embryology
Baeza, Arturo, Pædiatrics
Behm, Hugo, Biostatistics
Brinck, Guillermo, Neurology
Cuevas, Hernán, Radiology
Dussert, Eduardo, Microbiology
Escobar, Adolfo, Surgery
Fernández, Jorge, Neuro-Anatomy
García, Raúl, Obstetrics
Garretón, Alejandro, Medicine
Grez, Aníbal, Otorhinolaringology
Hevia, Hernán, Dermatology
Hoecker, Gustavo, General Biology
Horwitz, Abraham, Hygiene and Preventive and Social Medicine
Kraljevic, Roque, Infectious Diseases
Mardones, Jorge, Pharmacology
Matte, Ignacio, Psychiatry
Mena, Ismael, Pathological Anatomy
Middleton Samuel, Physiology
Neghme, Amador, Parasitology
Oberti, Carlos, Normal Histology
Orrego, Héctor, Phthsiology
Paolinelli, Livio, Physics
Pizzi, Tulio A., General Pathology
Prieto, Ernesto, Orthopædics and Infantile Surgery
Puga, Juan, Obstetrics
Rojas, Francisco, Medicine
Romero, Hernán, Hygiene and Preventive and Social Medicine
Santa, Julio, Nutrition
Scroggie, Arturo, Pædiatrics
Solar, Miguel, Hospital Organisation
Tisné, Luis, Obstetrics
Ugarte, José, Biostatistics
Unda, Francisco, Sanitary Engineering
Urrutia, Domingo, Propadeutics
Urzua, Hernán, Administration and Public Health
Vaccaro, Hugo, Bacteriology
Valdivieso, Ramón, Medicine
Vargas, Alfredo, Forensic Medicine
Vargas, Ruperto, Surgery
Vargas O., Humberto, Normal Anatomy
Vargas S., Roberto, Urology
Velasco, Alfredo, Surgery
Verdaguer, Juan, Ophthalmology
Viel, Benjamín, Hygiene and Social and Preventive Medicine
Wood, Juan, Gynæcology

Faculty of Odontology:
Abarca, Francisco, Chemistry
Acevedo Davenport, Enrique, General Pathology
Acuña, Raúl, Orthodontics
Alessandrini, Italo, Oral Surgery
Andwanter, Guillermo, Oral Surgery
Bizovic Radonic, Francisco, Dental Radiology
Chacón Gómez, Ernesto, Crowns and Bridges
Contreras Stark, Roberto, Radiology
Gunter, Bruno, Physiology
Homar Roig, Damián, Oral Surgery
Iglesias, Joaquín, Operational Dentistry
Ilabaca, Luis, Stomatological Pathology
Lara, Fernando, Microbiology and Oral Surgery
Maldonado, Ricardo, Histology
Medina, Carlos, Anatomy
Middleton, Samuel, Physiology
Muñoz Aguayo, Carlos, Pharmacology
Noé, Mario, Biology
Oberti, Carlos, Histology
Paolinelli, Livio, Physics
Phillips Rodríguez Peña, Enrique, Oral Surgery
Ramírez, Manuel, Orthodontics
Schmutzel, Rodolfo, Orthodontics
Schnaidt, Otto, Prosthesis
Silva, Héctor, Crowns and Bridges
Toriello, Arturo, Orthodontics
Vásquez, René, Chemistry
Villascea, Rodolfo, Oral Surgery
Villavicencio Rubio, Juan, Parodontics

WAINSTEIN SABAT, ABRAHAM, Anatomy
YÁÑEZ, PARMENIO, Biology

Faculty of Economics and Commerce:
AL CAZAR, JORGE, Agricultural Economics
ARIAS CASTRO, RENATO, Financial Mathematics
BANDE, JORGE, Insurance
BARRERA, MANUEL J., Sociology
BESIO OXILIA, ATILIO, Accounting
BOENINGER, EDGARDO, Political Economy
BRAVO FLORES, HERNÁN R., Infinitesimal Calculus
CID, BENJAMÍN, Introduction to Law
CONTRERAS NARCISO, Organisation and Administration
DÍAZ CONTRERAS, HUMBERTO, Technology and Industrial Processes
DYVINETZ, MIGUEL, Industrial Processes
ESCOBAR, CERDA LUIS, Political Economy
ESPINOZA, JORGE E., Law of Nations
FUENSALIDA, JAIME, Business Finance
GONZÁLEZ, MIGUEL A., Accountancy
IAMPAGLIA SGUBIN, JUAN, Accountancy
IDE, JORGE, Accountancy
JEANNERET, ANDRÉS, Auditing
LEHUEDÉ, JORGE, Organisation and Administration
MALDONADO VALENZUELA, ROBERTO, Econometrics
MASSAD, CARLOS, Economics, Finance and Banking
MESTELAN GRIÑO, RENÉ, Commercial Law
MIRANDA SALAS, EDUARDO, Statistics
MOLINA, SERGIO
MORGADO, EMILIO, Labour Law
PARDO, LUIS H., Labour Law
PINTO SANTA CRUZ, ANÍBAL, Public Finance
POSSEL, GUSTAVO, Rationalisation of Methods
QUEZADA RIQUELME, FELIPE, Economic Geography
QUILODRAN, FEDERICO E., Economic Theory
RENCORET, BRAVO, ALVARO, Tax Legislation
SCHIEFELBEIN, ERNESTO, Algebra and Trigonometry
TORÁN GRADO, LUIS, Trigonometry
TOLEDO GUZMÁN, ABRAHAM, Auditing
VERA, JOSÉ, Politics and Economic Organisation
VISKOVIC BRAVO, PEDRO, Statistics
ZUNINO, HUGO, Principles and Technique of Public Administration

Faculty of Philosophy and Education:
113 Ordinary Professors

Faculty of Music:
ALDUNATE, JUDITH, Advanced Piano Technique
BECERRA SCHMIDT, GUSTAVO, Analysis of Composition
BERNER, GERMÁN, Advanced Piano Technique
BOTTO BALLARINO, CARLOS, Harmony
CARTES MORALES, BRUNILDA, Music Teaching
CASTRILLÓN MORALES, ELCIRA, Piano Interpretation
CERDA, LILA, Singing
CLARO, SAMUEL, History of Music
CULLEL, AGUSTÍN, Chamber Music
GAYAN CONTADOR, ELISA, Applied Psychology
GODIN VON SCHWARZENHORN, AUGUSTA, General History of Art
FUENTES, ARNALDO, Advanced Violoncello Technique
GREBE, MARÍA ESTER, Analysis of Musical Composition
GRISAR, MARIANA, History of Music
HAAS, ANDRÉE, Rhythmic and Aural Training
HERRERA MARÍN, CRISTINA, Piano Interpretation
LEDERMANN CRISINEL, ERNESTO, Violin
LEHMANN SIMÓN, RODOLFO, Piano
MARGAÑO MENA, LUIS, Music Teaching
ORREGO, JUAN, Composition
ORTÍZ, ORFELIA, Advanced Harmony
OYUELA SUPERVIELLE, CLARA, Opera
PLAZA MESA, ARABELLA, Piano
ROAMN, JORGE, Advanced Violoncello Technique
SALAS, VICENTE, History of Music
SALAS, VIU, VICENTE, History of Music
SANTANDER SANTANDER, INÉS, Piano
SOLARI, MARÍA LUISA, Choreography
UTHOFF BIEFANG, ERNST, Dancing and Eurhythmics
VIVADO, IDA, Advanced Piano Technique

Faculty of Fine Arts:
39 Ordinary Professors

Faculty of Veterinary Science:
13 Contract Professors

Faculty of Chemistry and Pharmacy:
ALDEA LINDENAU, ALEJANDRO, Galenic Pharmacy
ARANCIBIA, AQUILES, Industrial Pharmacy
BOCAZ, ALBINO, Biometry and Statistics
BRAVO, RAÚL, Organic Chemistry
BUNEL, SERGIO, General Chemistry
CAIOZZI, MARIO, Analytical Qualitative Chemistry
CERUTTI, LUIS, Organic Chemistry
CORI, OSVALDO, General Biochemistry
CROXATTO, ARNALDO, Industrial Chemistry
FIGARY, RENATO, Mathematics
GAUTHIER AUXENCE, ELENA, Pharmacognosy
GONZÁLEZ, CLAUDIO, Bacterial Physiology and Immunology
GOYENECHEA, ANTONIO, Mathematics
GUNTKEL, HUGO, General and Systematic Botany
HESSE, EGBERTO, Physics
HOECKER, GUSTAVO, General Biochemistry
LUXORO, MARIO, Biophysics
MARDONES, JORGE, Pharmacodynamics
MELO, HÉCTOR, Mineralogy and Hydrology
MERCADO, CARLOS, Physics
MEZA, MARIO, Mathematics
OJEDA, MARIO, Instrumentation
PÉREZ, JOSÉ, Toxicology
PÉREZ S., JOSÉ, Anatomy and Macroscopy
POZO, HÉCTOR, Inorganic Chemistry
RAMÍREZ CARTAGENA, MARTA, Chemical Physiology and Pathology
ROMEO VALLEJOS, SINFORIANO, Pharmaceutical Chemistry
SAN MIGUEL, MODESTO, Mathematics
SCHALSCHABECKER, EDUARDO V., Quantitative Analytical Chemistry
SCHMIDT, HERMANN, Bromatology
TRUMPER, SAMUEL, Organic Chemistry
VALENZUELA, RICARDO, Pharmaceutical Deontology
VIRGILIO, RAFAEL, Microbiology and Immunology

Faculty of Agronomy:
ALONSO, LEONARDO, Apiculture, Honey Production
BARBOSA, RUY, Oenology
CANO, AGUSTÍN, General Statistics and Applied Mathematics
CONTRERAS, DAVID, Forage Production
CONTESSE, GUSTAVO, Fruit Technology
CORBEAUX, PEDRO, Pig Production
CORNEJO, MARIO, Animal Health
CORTAZAR, RENÉ, Genetics
CHATEAUNEUF, ROLANDO, General Economics
DALGALARRANDO, JORGE, Milk Technology, Zootechnics
DANERI, RAÚL, Wine Production
DAVANZO, RAÚL, Horticulture
DELGADO, ENRIQUE, Business Administration
DÍAZ, CARLOS, Fertilizers and Soil Enrichment
ENRÍQUEZ, RENÉ, Special Phytotechnics
ESPINA, LEÓNIDAS, Econometrics
FUENZALIDA, HUMBERTO, Geology
GARCÍA, GUILLERMO, Sheep and Goat Production
GONZÁLEZ, ROBERTO, Agricultural Entomology, Zoology
JORDÁN, EDUARDO, Irrigation
JULIET FERNANDO Hydraulic Mechanics
MAIGE, JOSÉ, Agrarian Economics
MANNARELLI, VIRGILIO, Commerce
MARTÍNEZ, OSCAR, Floriculture and Parks
MERINO, HERNÁN, Animal Genetics
MEZA, MARIO, Zootechnics
MUÑOZ, CARLOS, Botany
NAVARETTE, HERNÁN, Economic Theory
PISANO, EDMUNDO, Arboriculture
POLLONI, BERNARDO, Technology of Animal Production
PORTE, EDUARDO, Sheep and Equine Production
PRATS, BELISARIO, Agricultural Legislation
RODRÍGUEZ, MANUEL, General Phytotechnics
SEPÚLVEDA, LEO R., Zootechnics
TARTAKOWSKY, SERGIO, Microbiology
TROLLUND, ERICK, Climatology
VALENZUELA, HERNÁN, Forestry Administration
YÁNEZ, ENRIQUE, Organic Chemistry

SELECTED AFFILIATED SCHOOLS AND INSTITUTES:

Conservatorio Nacional de Música (*National Academy of Music*): Compañía 1264.
Director: CARLOS BOTTO VALLARINO.

Escuela Práctica de Agricultura (*Practical Agricultural School*): Avenida Ecuador 3467.
Director: ALCIBIADES BIONDI.

Escuela de Agronomía (*Agricultural School*): Quinta Normal.
Director: JORGE DALGALARRANDO ARRIAGADA.

Escuela de Arquitectura (*School of Architecture*): Pedro Aguine Cerda 6655.
Director: EUCLIDES GUZMÁN.

Escuela de Artes Aplicadas (*School of Applied Arts*): Arturo Prat 1171.
Director: VENTURA GALVÁN LLORENTE.

Escuela de Bellas Artes (*School of Fine Arts*): Parque Forestal, Santiago.
Director: CARLOS PEDRAZA OLGUÍN.

Escuela de Construcciones Civiles (*Building School*): Alameda Bernardo O'Higgins 1511.
Director: HERNÁN ESTEVEZ CORDOVEZ.

Escuela Dental (*Dental School*): Av. Santa María 571.
Director: ARTURO TORIELLO.

Escuela de Derecho de Santiago (*Santiago Law School*): Pío IX-Bellavista.
Director: EUGENIO VELASCO LETELIER.

Escuela de Economía y Comercio (*School of Economics and Commerce*): Av. República 517.
Director: EDUARDO MIRANDA SALAS.

Escuela de Enfermeras (*School of Nursing*): Zañartu 1040; f. 1910; first School of Nursing in South America.
Director: ROSALBA FLORES.

Escuela de Ingeniería (*School of Engineering*): Av. Beauchef 850.
Director: ENRIQUE D'ETIGNY.

Escuela de Medicina (*Medical School*): Av. Independencia 1023; f. 1906; library, 33,000 vols.
Director: Dr. BENJAMÍN VIEL VICUÑA.

Escuela de Medicina Veterinaria (*School of Veterinary Medicine*): Quinta Normal.
Director: Dr. BENJAMÍN CORNEJO.

Escuela de Obstetricia y Puericultura (*School of Obstetrics and Child Welfare*): Alameda Bernardo O'Higgins 130.
Director: RAÚL GARCÍA VALENZUELA.

Escuela de Química y Farmacia (*School of Chemistry and Pharmacy*): Av. Vicuña Mackenna 20.
Director: Dr. HERMAN SCHMIDT HEBEL.

Escuela de Biblioteconomía (*School of Librarianship*).
Director: ALBERTO VILLALÓN.

Escuela de Ciencias Políticas y Administrativas (*School of Political and Administrative Sciences*).
Director: JORGE GUZMÁN DINATOR.

Escuela de Geología (*School of Geology*).
Director: HUMBERTO FUENZALIDA.

Ingeniería Forestal (*Forestal Engineering*).
Director: ANDRE CONSIGNY.

Escuela de Periodismo (*School of Journalism*).
Director: MARIO PLANET.

Escuela de Psicología (*School of Psychology*).
Director: MANUEL POBLETE.

Escuela de Sociología (*School of Sociology*).
Director: ROBERTO MUNIZAGA.

Escuela de Contadores Auditores (*School of Accountancy*).
Director: GABRIEL ANTONIO IBARRA.

Escuela de Salubridad (*School of Health*): Maratón-Av. Sur Nuñoa 1000.
Director: HERNÁN URZÚA MERINO.

Escuela de Servicio Social, Santiago (*School of Social Work, Santiago*): Huérfanos 1840.
Director: ANA MACAULIFFE.

Similar schools are located in Valparaíso, Concepción and Temuco.

Instituto de Educación Física y Técnica (*Institute of Physical and Technical Training*): Morandé 750.
Director: LUIS BISQUERT.

Instituto Pedagógico (*Institute of Education*): Avenida J. P. Alessandri 774.
Director: OSCAR MARIN.

Instituto Secundario de las Escuelas Artísticas (*Secondary Institute of the Schools of Art*): formerly Instituto Secundario de la Facultad de Bellas Artes (*Secondary Institute of Faculty of Fine Arts*).
Director: ENRIQUE ASTORGA.

Departamento de Extensión Cultural (*Department of Extension Courses*): Huérfanos 1117; Dir. FRANCISCO GALDAMES; maintains correspondence schools and a mobile library service, and organises Mid-Term Sessions (*Escuelas de Temporadas*) which are attended by some 4,000 students during the year.

UNIVERSIDAD DE CONCEPCIÓN
(Concepción University)
CONCEPCIÓN

Founded 1919.

President and Rector: Dr. IGNACIO GONZÁLEZ GINOUVES.
Vice-President: HUGO TRUCCO LEE.
Secretary-General: CARLOS MONREAL BELLO.
Treasurer: MARIANO GARCÍA CAMPO.

Central Library (*Chief Librarian:* CORA RIQUELME DE PARGA); 56,000 vols.; approx. 280,000 reviews and miscellaneous publs.

Publications: *Atenea* (monthly; science, art and letters; f. 1924); *Revista de Derecho* (quarterly; juridical and social sciences; f. 1932); *Boletín de la Sociedad de Biología* (f. 1927); *Memoria* (annual).

DIRECTORS AND DEANS:

School of Law:
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Dean: MANUEL SANHAUZA CRUZ.

School of Medicine:
Director: Dr. RAFAEL DARRICARRERE TORBALAY.
Dean: IVAR HERMANSEN PEREIRA.

Faculty of Philosophy and Education:
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Dean: RODOLFO ZANARTU ARRATIA.

School of Chemistry and Pharmacology:
Director: ANÍBAL PINTO A.
Dean: LUIS VARGAS C.

Faculty of Engineering:
Director: GUSTAVO PIZARRO CASTRO.
Dean: CÉSAR FIGHETTI SPADA.

Faculty of Odontology:
Director: ANTONIO KOKIC R.
Dean: ARTURO DEL SOL RAMÍREZ.

PROFESSORS:

School of Law:
ACUÑA ESTAY, JORGE, Labour Law
ARELLANO ALARCÓN, JUAN, Civil Law
BIANCHI BIANCHI, JUAN, Procedural Law
BRAIN RIOJA, HÉCTOR, Penal Law
CERDA MEDINA, MARIO, Constitutional Law
COLVIN PÁVEZ, ALBERTO, Penal Law
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DUMAY DERAMOND, ALEJANDRO, Chilean Constitutional History
GALAZ ULLOA, SERGIO, Constitutional Law
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HERRERA REYES, LUIS, Roman Law
INOSTROZA CÁRDENAS, MISAEL, Roman Law
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JARPA FERNÁNDEZ, MARIO, Political Economy
JAQUE ARANDA, DUBERILDO, Administrative Law
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MONSALVE JARA, QUINTILIANO, Industrial and Agricultural Law
OTÁROLA AQUEVEQUE, HUMBERTO, Public International Law
PECCHI CROCE, CARLOS, Procedural Law
PEÑA LÓPEZ, ROLANDO, Public International Law
PUGA SEGUEL, ALBERTO, Introduction to Law and Social Sciences, Philosophy of Law
RIOSECO ENRÍQUEZ, EMILIO, Commercial Law
SAAVEDRA BELMAR, PABLO, Law of Labour
SALAS QUEZADA, JULIO, Procedural Law
SALAS VIVALDI, JULIO, Procedural Law
SANHUEZA CRUZ, MANUEL, Chilean Constitutional History
SPOTTKE SOLÍS, AGUSTÍN, Commercial Law
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TAPIA SUÁREZ, ORLANDO, Forensic Medicine
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VARAS, DODD FRANCISCO, Mining Law
VERGARA VERGARA, RENÉ, Procedural Law

School of Medicine:
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AUERSPERG SCH., ALFREDO, Psychiatry
BAEZA HERRERA, Urology
BARDISA UBEDA, LUIS, Pharmacology
BECKDORF, SAUNIER, Surgery
BEHN KUHN, FRANCISCO, Forensic Medicine
BELLOLIO Z., PEDRO, Oto-rhino-laryngology
BIEL CASCANTE, FRUCTUOSO, Introduction to Medicine
CONCHA BARAHONA, JUAN, Physiology and Physiopathology
DARRICARRERE TORBALAY, RAFAEL, Bacteriology
ENRÍQUEZ BELLO, DARIO, Surgery
ENRÍQUEZ FRODDEN, EDGARDO, Anatomy
GARRETÓN UNDA, ILDEFONSO, Phthisiology
GONZÁLEZ MARTÍN, JUAN, Dermatology
HENCKEL CHRISTOPH, CARLOS, Histology and Embryology
HERMANSEN PEREIRA, IVAR, Medicine
LARENAS OVALLE, ALBERTO, Obstetrics
MARTÍNEZ MARDONES, ALFONSO, Pathological Anatomy
MATAMALA, RAABE, RENÉ, Surgery
MELO MELO, RAÚL, Orthopædics and Child Surgery
MOENA GÓMEZ, ALBERTO, Biochemistry

Ocampo Muñoz, Hector, Gynæcology
Oliver, Schneider, Ophthalmology
Pino Tirapeguy, Mario del, Dietetics, Nutrition
San Martín F., Hernán, Preventive and Social Medicine
Skewes Orellana, Eduardo, Neurology
Vivaldi C., Ennio, Physical Pathology

Faculty of Philosophy and Education:
Acuña de Gazabatt, Ena, Didactics
Allendes, de la Cuadra, Philosophy, Comparative Literature
Bahamondes, González, Spanish Grammar and Methodology
Benavente Aravena, Rogelio G., Psychology
Bertens Charnley, Máximo, English Grammar and Historical Grammar
Bruzzone Zuleta, Enrique, Algebra
Concha Barahona, Juan, Physiology
Canovas Robles, René, Spanish Grammar
Chizelle Aubray, Robert, French Literature
Concha Mardones, Manuel, Universal Geography
Contreras Weibel, Heles, Linguistics
Darricarrere Torbalay, Rafael, Hygiene
Donoso Núñez, Guido, Universal History
Enríquez Frodden, Edgardo, Anatomy
Figueroa de Gajardo, Yolanda, Methodology of Mathematics
Guerrero Verdugo, Raúl, Human Geography
Henckel Christoph, Carlos, Histology
Ilabaca Guajardo, Pedro, Physical Geography
Knight Dye, George, English Literature
Lillo Gómez, Rosario, Methodology of History
Lefebvre Robledo, Alfredo, Spanish Literature
Loveluck Macpherson, Juan, Hispano-American Literature
Luco Carrier, Amadeo, Latin, Spanish and French Historical Grammar
Manquilef Quezada, Isolde, Sociology
Martínez Toledo, Carlos, French Grammar and Phonetics
Mendoza Enríquez, Jorge, History of Art
Mella Porras, Enzo, Philosophy, Comparative Literature
Méndez Guzmán, Marta, French Literature
Millan Arate, Isabel, Methodology of French
Muñoz Melo, Consuelo, Methodology of Chemistry
Oyarzun Peña, Luis, Logic and Ethics
Pantoja Franco, Mario, English Phonetics
Ramírez Cofre, Marcos, Methodology of Physics
Rivera Gajardo, Luis, Zoology
Rojas Mix, Miguel, Universal History
Rojas Pizarro, Gonzalo, Composition and Aesthetics
Tienken Lilley, Arturo, English and North American Literature
Torreti Edwards, Roberto, Philosophy
Vallebuona Crovetto, Romano, Comparative Literature
Vargas Vargas, Corina, Educational Psychology
Vivaldi Cichero, Augusto, Chilean and American History
Wilhelm Perelman, Ricardo, Cosmography
Zanartu Arratia, Rodolfo, Pedagogy

School of Chemistry and Pharmacology:
Bardisa U., Luis, Pharmacodynamics
Belmar Rois, Daniel, Industrial Pharmacy
Brieva Alvarado, Julio, Chemical Pharmacy
Carvajal Orrego, Víctor, Applied Microbiology
Concha Barahona, Juan, Physiology
Darricarrere Torbalay, Rafael, Bacteriology
Enríquez F., Edgardo, Anatomy
Godoy C., Hayde, Nutrition
Henckel C., Carlos, Histology
Meier G., Norma, Functional Analysis of Organic Medicine
Moena Gómez, Alberto, Biochemistry
Montes G., Marco, Pharmacognosis
Pena Ramos, Eleodoro, Clinical Biochemistry
Pinto Alvarez, Aníbal, Analytical Chemistry, Bromatology
Pozo L., Mario, Biophysics
Serrana L. de H., Ricardo, Pharmaceutical Legislation, Deontology
Vargas Cáceres, Luis, Galenic Pharmacy
Villafane León, Guillermo, Accountancy and Organisation
Woerner V., Ricardo, Instrumental Analysis

Faculty of Engineering:
Acuna de la Fuente, Jorge, Fuel Technology
Aracena, Omar, Industrial Accountancy
Arze López, Elias, Resistance of Materials
Bluhm Spannuth, Edgar, Forestal Products
Borie Borie, Esteban, Electrical Installations
Cabala, Luciano, Draughtsmanship
Chiesa Montemerlo, José, Electronics and Industrial Instrumentation
Cornet Riera, Cayetano, Machine Drawing
Damilano Bonfante, Juan, Industrial Chemistry
Daroch Neumann, Hernán, Mechanics of Fluids
Dreifuss Spiegel, Walter, Industrial Chemistry
Emperanza del Solar, Sergio, Thermal and Hydraulic Machines
Fighetti Spada, César, Applied Thermodynamics
Fuller Brain, David, Metallurgy
Guzmán Morales, Carlos, Industrial Constructions
Hartwig Carte, Alejandro, Organisation and Administration of Undertakings
Hermosilla Brito, Carlos, Geometry and Machine Drawing
Hirschfeld Friedlander, Heinz, General Technology
Leniz Cerda, Patricio, Applied Mechanics
Lira Infante, Ruperto, Applied Thermodynamics
Montanari Assolini, Mario, Electrotechnics
Morales Gangas, Adriano, Natural Resources
Phagoupe Onorato, Armando, Electrotechnics
Pizarro Castro, Gustavo, Industrial Chemistry
Riesco Giacomozzi, L. Armando, Electronics and Industrial Instrumentation
Rioseco van Cauwelaert, Valerio, Siderurgy
Rudloff Roepke, Ernesto, Costing and Estimating
Salas Salinas, Oscar, Unitary Operations
Sanhueza Rojas, Arnoldo, Unitary Processes
Schiavi Laggiard, Pedro, Machine Drawing
Schroers Richter, Curt, Machines
Searle Witting, Alfredo, Unitary Operations
Sutulov Popov, Alexander, Mechanical Operations
Theyer Gerwitz, Pedro, Elementary Machine Construction
Urban Namenek, Valetín, Cranes and Transport Machinery
Valle Benavente, Hernán del Resistance of Materials
Varas Dodd, Francisco, Industrial Legislation
Wagemann Wiedenbrug, Guenter, Economic Geography and Transport
Woscoboinik Bassis, Santiago, Rationalisation of Procedures and Methods

Faculty of Odontology:
Bardisa U., Luis, Pharmacology
Behn K., Francisco, General Pathology
Bellolio Z., Pedro, Surgery
Caffarena F., Manilo, Surgery
Concha B., Juan, Physiology
Corral P., Jesus, Radiology
Darricarrere T., Rafael, Bacteriology
Enríquez F., Edgardo, Descriptive Anatomy
Gutiérrez G., Juan, Operations
Henckel Ch., Carlos, Histology
Kokic R., Antonio, Parodontics
Mahuzier A., Pedro, Orthodontics
Moena G., Alberto, Biochemistry
Parra H., Nany, Prosthesis
Sol Ramírez, Arturo del, Crowns and Bridges
Vivaldi Q., Luz, Stomachic Pathology
Vivaldi Ch., Ennio, Physiopathology
Vignolo M., Carlos, Odontotechnics
Wernekinck L., Alberto, Maxillo-Facial Prosthesis

Escuela de Agricultura (*School of Agriculture*): f. 1943.
President and Director: Thomas Lermanda C.
Dean: Luis del Villar Z.
Secretary: Sergio Trivino.
Publication: *Unión Agrícola del Sur.*

The School possesses a Meteorological Station in communication with the Oficina Meteorológica de Chile (*Observer:* Miguel Pomeri).

Escuela de Periodismo (*School of Journalism*).
Director: Alfredo Pacheco Barrera.

Escuela de Servicio Social (*School of Social Service*).
Director: Celia Cortés Jullián.

Escuela de Ciencias Políticas y Económicas (*School of Political and Economic Sciences*).
Director: Ignacio Pérez Salgado.

UNIVERSIDAD CATÓLICA DE CHILE
(Catholic University of Chile)

AV. BERNARDO O'HIGGINS 340,
CASILLA 114-D, SANTIAGO
Telephone: 30091, 30177.
Founded 1888.

Grand Chancellor and Rector: Mgr. Dr. Alfredo Silva Santiago.

Pro-Rector: Pbr. Dn. ADAMIRO RAMÍREZ.
Vice-Rectors: R.P. ALCIME DE MERINGO, SS.CC., R.P. DANIEL AZANZA, SCH.P., R.P. RAIMUNDO KUPAREO O.P.
General Secretary: LUÍS FELIPE LETELIER.
Librarian: MARÍA TERESA SANZ, B.-M.
Number of teachers: 1,015.
Number of students: 7,009.

DEANS:

Faculty of Sacred Theology: Pbro. FLORENCIO HOFMANS.
Faculty of Juridical, Political and Social Sciences: EDUARDO VARAS V.
Faculty of Architecture and Fine Arts: SERGIO LARRAÍN GARCÍA MONENO.
Faculty of Physical and Mathematical Sciences: RAÚL DEVES.
Faculty of Agronomy: CARLOS CORREA VALDÉS.
Faculty of Economics and Social Sciences: HUGO HANISH E.
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Faculty of Philosophy and Sciences of Education: R.P. RAIMUNDO KUPAREO, O.P.
Faculty of Technology: CARLOS DEL SOLAR TAGLE.

PROFESSORS:

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ALDUNATE, R.F. JOSÉ, S.J., Moral Theology
ARTIGAS, Rev. HERNÁN, Canon Law
CLODIUS, R.F. FRANCISCO, Dogmatic Theology
COMBLIN, Rev. JOSEPH, Dogmatic Theology, History and Patristics
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GONZÁLEZ, R.F. JAVIER, History of the Church in Chile
GONZÁLEZ, R.F. MARIO, S.D.B., History
HOFMANS, Rev. FLORENCIO, Hebrew and Greek Biblical Language
IBÁÑEZ, R.F. JOSÉ M., Ascetics
IRAGUI, R.F. SERAPIO DE, O.F.M., CAP., Fundamental Theology
MEDINA, Rev. JORGE, Dogmatic Theology
METZINGER, R.F. ADALBERTO, O.S.B., Exegesis
MORENO, Rev. ANTONIO, Sacred Scripture and Hebrew Langauge
OVIEDO, R.F. CARLOS, O.DE.M., Canon Law
TOLOZA, R.F. LÉON, O.S.B., Liturgy
VIGANÓ, R.F. EGIDIO, S.D.B., Fundamental Theology

Faculty of Juridical, Political and Social Sciences:
ALWIN AZOCAR, ARTURO, Administrative Law
ALBÓNICO VALENZUELA, FERNANDO, Public International Law
ARAMAYO ALZÉRRACO, OSCAR, Economics
BAEZA PINTO, SERGIO, Commercial Law
BOWEN HERRERA, ALFREDO, Labour Law
CABRERA DE SOLMINIHAC, PATRICIO, Head of Seminar
CARVAJAL RAVEST, HORACIO, Penal Law
CASTRO ALAMOS, FERNANDO, Legal Medicine
CASTRO OSSANDÓN, HERNÁN, Commercial Law
CONTARDO EGAÑA, SERGIO, Philosophy of Law
COVARRUBIAS BERNALES, ALVARO, Labour Law
COX PALMA, CRISTIÁN, Air Law
CURY URZÚA, ENRIQUE, Penal Law
CHANÁ CARIOLA, JULIO, Commercial Law
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DELPIANO DELPIANO, VÍCTOR, Civil Law
DOMÍNGUEZ CASANUEVA, CARLOS, Philosophy and Sociology
EVANS DE LA CUADRA, ENRIQUE, Constitutional Law
FIGUEROA SERRANO, CARLOS, Procedural Law
FRIGEROI CASTALDI, CÉSAR, Civil Law
GARCÍA GARCÍA, RAÚL, Constitutional Law
GARCÍA GARZENA, VÍCTOR, Procedural Law
GODOY OSSA, JOAQUÍN, Industrial and Agricultural Law
GONZÁLEZ ECHENIQUE, JAVIER, History of Law
GUZMÁN VIAL, MANUEL, Penal Law
HAMILTON DEPASSIER, EDUARDO, Air and Private International Law
HANISCH ESPÍNDOLA, HUGO, Roman Law
HERNÁNDEZ SAMANIEGO, RAFAEL, Philosophy and Sociology
ILLANES EDWARDS, JAIME, Labour Law
LIRA MONTANÉ, JOSÉ B., Economic Science and Industrial and Agricultural Law
LIRA OVALLE, SAMUEL, Mining Law
LARRAÍN RÍOS, HERNÁN, Civil Law
LUCO LARENAS, RAMÓN, Roman Law
LUCO HERRERA, NICOLÁS, Administrative Law
MALDONADO BOGGIANO, LUIS, Procedural Law
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MIRANDA CARRINGTON, SERGIO, Penal Law
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PIEDRABUENA RICHARDS, ENRIQUE, Financial Law
PUMPIN BELLONI GUILLERMO, Civil Law
RAVEAU SOULÉS, RAFAEL, Roman Law
RODRÍGUEZ GONZÁLEZ, PEDRO J., Civil Law
ROSS BRAVO, JAIME, Tributary Law
SAMANIEGO GARCÍA, RAMÓN, Economic Science
SERRANO LÓPEZ DE HEREDIA, RICARDO, Procedural Law
SERRANO MAHNS, GUSTAVO, Juridical Accounting
SILVA BASCUÑÁN, ALEJANDRO, Constitutional Law
SILVA HENRIQUES, ARMANDO, Procedural Law
SKOWRONECK FOX, R.F. JUAN, Canon Law
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URREJOLA ROZAS, SERGIO, Procedural Law
VALDÉS ACUÑA, ABEL, Public International Law
VALDÉS SUBERCASEAUX, GABRIEL, Economic Science
VALLE ALLIENDE, JAIME DEL, Procedural Law
VARAS VIDELA, EDUARDO, Penal Law
VIAL CORREA, GONZALO, History of Law
YÁVAR CASTRO, ERNESTO, Civil Law
YÁVAR CASTRO, SERGIO, Çivil Law
School of Social Service (attached to the Faculty): 28 Professors.

Faculty of Architecture and Fine Arts:
ALVAREZ DE ARAYA, ENRIQUE, Physics Laboratory
ASTICA MASCARÓ, JUAN, Town-planning
BALADA SOLER, LEOPOLDO, Building
BALLACER FRONTAURA, DANIEL, Workshop
BARBERO, R.F., MARTÍN, Religion
BARROS LÜTHER, CÉSAR, Stability
BRANDES BASSO, GERMÁN, Workshop
BRAVO HEITMANN, LUIS, Low Cost Homes
BENÍTEZ HERRERA, LEOPOLDO, Workshop
CASTILLO VELASCO, FERNANDO, Workshop
CARMONA DEL FIERRO, HILDA, Workshop
DORSELAER SMEETO, JACQUES, Sociology
ECHEVERRÍA CARVALLO, ISMAEL, History of Culture
GUMUCIO URETA, JULIO, Visual and Lineal Design
LARRAÍN LATORRE, JORGE, Workshop
LARRAÍNZAR ANDUEZA, JAVIER, Religion
LEDERER T., ANDRÉS, Building
LEIVA MONTERO, CÉSAR, Geometry
MIGLIASSI AMPUERO, FERNANDO, Workshop
MIRANDO RODRÍGUEZ, SERGIO, Workshop
MOLINOS OYANEDEL, OSCAR, Mathematics
MORALES MALVA, JOSÉ R., History of Arts
MORGADO LAZARO, CALIXTO, Religion
NARANJO COHEN, CLAUDIO, Psychology
PÉREZ DE ARCE LAVIN, MARIO, Workshop
PIWONKA OVALLE, ALBERTO, Basic Design
REYES VICUÑA, TOMÁS, Law
RIVERA CRUCHAGA, VÍCTOR, Theoretical Stability
RODRÍGUEZ VALDÉS, LEÓN, Workshop
ROJO ANABALÓN, SERGIO, Structure
SANTA MARÍA SANTA CRUZ, IGNACIO, Town-planning
SIEFER EILER, ENRIQUE, Building
SOTOMAYOR SMITH, OCTAVIO, Workshop
TEALL, RICARDO, Professional Ethics
VENEGAS CARRASCO, RAMÓN, Low Cost Housing
VIVES ESCUDERO, ALBERTO, Workshop
ZACCARELLI MARCELLI, OSCAR, Data Analysis
School of Fine Arts (attached to the Faculty): 19 Professors

Faculty of Physical and Mathematical Sciences:
ALBERTI, AGUSTÍN, Personnel Administration
ARRIAGADA MORENO, EDUARDO, Engineering Methods
ARCE M. ANICETO, Workshop of Construction
ARCE, ELIAS, Workshop Metallic Structure
AYARZA ELORZA, ELÍAS, Metallography
AYARZA ELORZA, HERNÁN, Technology of Materials
AZOCAR AZOCAR, MARIO, Calculus
AZANZA GOÑI, R.F. DANIEL, Philosophy and Theology
BAKOVIC, LUCAS, Cost Accounting and Stability
BARAHONA U-PABLO, Economics
BARRAZA ARQUEROS, GUILLERMO, Construction and Stability
BIANCHI ENNIO, Chemistry
CAMPOSANO E., RAÚL, Strength of Materials
CASTAÑER VENTURA, PEDRO, Laboratory of Hydraulics
CASTILLO URRUTIA, OCTAVIO, Geology and Mineralogy

Castro Salas, Gonzalo, Theory of Elasticity
Catepillán Jorge, Industries
Constantinescu, Paul, Economics Seminar
Cortés Pinto, Hernán, Calculus
Crisosto Aguilera, Luis, Structure Theory
Cura Ronsecco, Lionel, Strength of Materials
Dávila Izquierdo, Fernando, Applied Hydraulics
Devés Jullián, Raúl, Construction Seminar
Díaz A. Fernando, Chemistry
Díaz Ossa, Alfonso, Roads
Díaz Uribe, Carlos, Metallurgy
Domínguez Casanueva, José P., Applied Physics
Domínguez Solar, Francisco J., Theoretical Hydraulics
East Ponce, Gastón, Chemistry
Edwards Gana, Ricardo, Applied Hydraulics
Errázuriz Rodríguez, Jaime, Laboratory of Electronics
Espinoza Romero, Valentín, Thermodynamics
Espinoza W., Raúl, Operational Research
Fava Filetti, Julio, Mechanical Productions Process
García, Guillermo, Plant Layout
García Huidobro Errázuriz, Ambrosio, Workshop Hydraulics
Grandjot, Carlos, Calculus
Genés Ortega, R.F., Jesús, Philosophy
González del Campo, Alvaro, Strength of Materials
González Vidal, Eduardo, Electric Physics and Applied Electricity
Guerra, Silvano, Marketing and Sales
Hax, Cubillos, Arnoldo, Operational Research
Heilmaier Erich, Paul, Applied Physics
Herreres Erquiaga, Gonzalo, Workshop of Reinforced Concrete
Herreros Erquiaga, Raúl, Electronics
Hiriart Pulido, Mario, Analytical Geometry
Hollander, Jolín, Oscar, Unit Operations
Ibáñez Langlois, R.F. José M., Philosophy
Infante Covarrubias, Carlos, Strength of Materials
Innocenti Valcuada, Gianfranco, Analytical Geometry: Head, Mathematics Department
Izquierdo Besa, José, Evaluations
Iriarte González, Pedro, Laboratory Physics-Chemistry
Jacobelli Poblete, Orlando, Mechanical Processes and Metallurgy
Kostin Reich Raúl, Planning and Control
Leiva Montero, César, Graphics
Leighton Carlos, Wood Structure, Ports
Lira Infante, Francisco, Design Workshop
Laccalle, Hernán, Building
Malbran Adonis, Pedro, Unit Operations
Martínez Serrano, Fernando, Soil Mechanics
Moragado, R.F. Calixto, Theology
Morales, Miranda, Arturo, Soil Mechanics
Montero Rivera, Luis, Strength of Materials
Negroni Ellena, Francisco, Mechanical Design
Nestler Fullex, Juan, Physics
Ocgsenius Elgueta, Víctor, Geometry
Orlob, Gerald, Ford Foundation Coordinator
O'Brien, W. Jorge, Applied Electricity
Pérez Donoso, Víctor, Theory of Structures
Poch, Andrés, Applied Electricity
Radrigan Vogel, Sergio, Applied Fluid Mechanics
Rahausen, Alberto, Personnel Administration
Riquelme Godoy, Mario, Sanitary Engineering
Rivera Cruchaga, Carlos, Physics
Rojas Ibáñez, Sergio, Material Technology
Román B., Alvaro, Physics
Rossi Valle, Franco, Unit Operation
Santamaría Herrero, Francisco, Analytical Chemistry
Saphores Ferrari, José, Statistics
Scotti, Mario, Analytical Chemistry
Tapia Cabezas, Julio, Mechanical Process
Teal, R.F. Ricardo, Professional Ethics
Thayer, William, Sociology and Social Law
Toro Valenzuela, Rubén, Rational Mechanics
Unda Opazo, Francisco, Sanitary Engineering
Varela Rodríguez, Raúl, Workshop
Valpuesta Arana, Dionisio, Surveying
Vergara Alveraz, Pedro, Unit Operations
Vial Sánchez, Alfonso, Strength of Materials
Villalón Rodríguez, Raúl, Construction
Villanueva Mansilla, Felipe, Mathematics
Voticky Lederer, Tomás, Head, Administration Department
Wiederhold Buhler, Víctor, Management
Wisniak, Jaime, Physical Chemistry: Head, Department of Chemical Engineering

Faculty of Agronomy:

Acatino, Primo, Pathology of Plants
Albornoz, Mario, Statistics
Alvarado, Rodrigo, Animal Nutrition
Alvarez, Mario, Plant Pathology
Arroyo, Manuel, Rural Administration
Azanza, R.F. Danile, Religion
Bariggi, Claudio, Pasture
Biridinis, Demetrio, Plant Physiology
Briceño, Ramón, Rural Extension
Caglevic, Milan, Plant Pathology
Carmona, Patricio, Irrigation and Drainage
Castro, Alfonso, Feeding
Cortázar, René, Genetics
Costabal Ricardo, Poultry Husbandry
Dangalarrando, Jorge, Milk Technology
Díaz, Luis, Topography
Donoso, Emilio, Hydraulics
Durand, Raúl, Viticulture
Espinoza, Mario, Enology
Fernández, Roberto, Entomology
García, Guillermo, Sheep
Hernández, Alejandro, Viticulture
Hevia, Héctor, Rural Administration
Hirsh, Pedro, Nutrition
Izquierdo, Luis, Biology
Lazcano, Sergio, Farm Forestry
León, Francisco, Plant Botanics and Physiology
León, Leonel, Petrology
Matte, Benjamín, Swine
Moder Jorge, Chemistry
Monardes, Luis, Hygiene and Prophylaxis
Norero, Aldo, Soils
Olalquiaga, Gabriel, Zoology
Onfray, Fernando, Social Agricultural Legislation
Peralta, Mario, Soil Genesis and Morphology
Reñasco, Ginés, Farm Forestry
Rodríguez Manuel, Soil Conservation
Romero, Juan, Dairy Production
Sánchez, Patricio, Biology
Santa Cruz, Samuel, Ethnomology
Santis, Emilio, Fruit Technology
Silva, Osvaldo, Agricultural Accounting
Simon, Hans, Animal Anatomy
Roter, Hans, Pesticides
Trivelli Osvaldo, Phytotechnology
Urbano, René, Mathematics
Valdés Alberto, Agricultural Economics
Valdés Rodolfo, Organic Chemistry
Vergara, Claudio, Plant Pathology
Yopo, Boris, Animal Nutrition and Reproduction

Faculty of Economics and Social Sciences:

School of Economics: 42 professors

School of Sociology: 19 professors

Faculty of Medicine and Biological Sciences:

Atria Ramírez, Arturo, Embryology
Barahona, Roberto, Pathological Anatomy
Croxatto, Héctor, Physiology
Croxatto, Raúl, Biologic Chemistry
Del' Oro-Serra, Raúl, Urology
Díaz Bastidas, Fernán, Radiology
Estevez, José, Surgery
Espildora, José, Ophthalmology
García Huidobro, Fernando, Pharmacology
Hevia, Hernán, Dermatology
Izquierdo Fernández, Luis, Biology
Jarpa, Arturo, Parasitology
Letelier Letelier, Gabriel, Medicine
Luco, Joaquín, Neurophysiology
Meneghello, Julio, Pediatrics
Müller Vega, Max, Anatomy Surgical
Núñez, Carlos, Psychiatry
Ortuzar, Ramón, Medicine
Raddatz, Ebensperger, Santiago, Phthisiology
Rencoret, Rodolfo, Surgery
Riesco, Santiago, Oto-Rhino-Laryngology
Rodríguez, Aníbal, Obstetrics and Gynæcology
Rodríguez, Manuel, Bacteriology
Salvestrini, Hugo, Surgery
Tober Pinochet, Tomás, Legal Medicine
Uberall, Enrique, Neurology
Uruza Hernan, Hygiene and Preventive Medicine
Vargas, Alfredo, Legal Medicine
Vargas, Luis, Physiopathology
Velasco Letelier, Raúl, Oto-Rhino-Laryngology
Vial, Juan de Dios, Anatomy

School of Nursing: 28 professors

Faculty of Philosophy and Sciences of Education:

Department of History: 23 professors
Department of Plastic Arts: 12 professors
Department of German: 7 professors
Department of Spanish: 10 professors
Department of English: 12 professors
Department of Physics and Mathematics: 12 professors
Department of Biology and Chemistry: 21 professors
Department of Philosophy: 8 professors

Department of French: 8 professors
Department of Vocational Guidance: 7 professors
Department of General Subjects: 31 professors

School of Psychology: 24 professors

School of Journalism: 18 professors

Faculty of Technology:
School of Building: 36 professors
School of Electronics: 20 professors
School of Chemistry: 26 professors

UNIVERSIDAD DEL NORTE

CASILLA 1280, ANTOFAGASTA

Founded 1964.

Rector: R.P. GUSTAVO ARTEAGA BARROS, S.J.

UNIVERSIDAD CATÓLICA DE VALPARAÍSO

CASILLA 4059, VALPARAÍSO

Telephone: 56177-8.

Founded 1928.

Chancellor: Monseñor EMILIO TAGLE.
Rector: ARTURO ZAVALA ROJAS.
Secretary-General: Prof. JULIO RUIZ.
Librarian: OLGA NAVARRO.

Library of 52,654 volumes.
Number of teachers: 413.
Number of students: 2,735.

Publication: *Anales de la Universidad Católica de Valparaíso.*

Faculty of Physics and Mathematics:
Dean: ROBERTO SERRA.

School of Chemical Engineering.

Faculty of Architecture and Town Planning:
Dean: CARLOS BRESCIANI.

School of Architecture.

Faculty of Law and Social Science:
Dean: JOSÉ F. INFANTE.

Law School.

School of Social Service.

Faculty of Economics and Commerce:
Dean: PEDRO IBÁÑEZ.

Schools of Commerce and Business Administration.

Faculty of Philosophy and Education:
Dean: HÉCTOR HERRERA.

School of Philosophy and Letters.

School of Physics and Mathematics.

School of History and Social Sciences.

School of Biology and Chemistry.

Department of Education.

Technical Institute:
Director: PABLO DILHAN.

Schools of Civil Engineering, Electricity, Mechanics, Electronics, College of Fisheries, and Agronomics.

AFFILIATED ORGANISATION:

Arts Cultural Extension Institute.

Conservatorium of Music.

School of Dramatic Art.

UNIVERSIDAD TÉCNICA DEL ESTADO

(State Technical University)

AVDA. ECUADOR 3461, CORREO 2, SANTIAGO

Telephone: 97401-08.

Founded 1947.

Rector: HORACIO ARAVENA ANDUR.
Secretary-General: JORGE SOTO S.
Library Director: ORLANDO MATURANA ROJAS.

Number of volumes in libraries: 50,000.
Number of teachers: 750.
Number of students: 9,483.

DIRECTORS:

Faculty of Mathematics, Physics and Chemistry: MARIO MEZA FLORES.
Faculty of Social Science and Philosophy: GERMÁN SEPÚLVEDA DURÁN.
Faculty of Electricity, Mechanics and Civil Engineering: (Vacant).
Faculty of Mines, Metallurgy and Industrial Chemistry: HUGO TORRES CERECEDA.

UNIVERSITY INSTITUTES:

Department of Research and Professional and Educational Training (DIOPE): Dir. GUILLERMO PETZOLD DAVEY.
Industrial Training Centre (CAI): Dir. NORBERTO TOLEDO ESPINOZA.
Productivity Institute: Dir. FRANZ NOWAK.
Physics Institute: Dir. RUBÉN TORO.

AFFILIATED SCHOOLS:

Mining Schools:
Antofagasta; f. 1918; Dir. FRANCISCO REVECO CUEVAS.
Copiapó; f. 1857; Dir. CARLOS ARRIAGADA HURTADO.
La Serena; f. 1887; Dir. EDUARDO AGUIRRE ORTIZ.

These Schools each have a Mineralogy Museum.

Industrial Schools:
Concepción; f. 1905; Dir. FRANZ NOWAK.
Punta Arenas; f. 1934; Dir. ROBERTO BRAVO.
Talca; f. 1961; Dir. SAMUEL JIMÉNEZ.
Temuco; f. 1916; Dir. TEODORO WICKEL KLUVEN.
Valdivia; f. 1934; Dir. EDUARDO GONZÁLEZ VILLA.

Industrial Trades School: Santiago; f. 1849; Dir. HÉCTOR TORRES GUERRA.
Industrial Engineers School: Santiago; f. 1940; Dir. ARMANDO QUEZADA GARCÍA.
Technical Pedagogical Institute: Santiago; f. 1944; Dir. MARIO OSSES SÁEZ.

UNIVERSIDAD TÉCNICA "FEDERICO SANTA MARIA"

CASILLA 110V, VALPARAISO

Telephone: 60206.
Telegraphic Address: Unitecnica, Valparaiso.

Founded 1926.

President: AGUSTÍN E. EDWARDS.
Rector: CARLOS CERUTI GARDEAZÁBAL.
Vice-Rectors: GUILLERMO ACUÑA MACUADA, JULIO HIRSCHMANN RECHT.
General Administrator: HERNÁN PLAZA PALMA.

Number of teachers: 90.
Number of students: 1,127.
Publications: *Scientia* (quarterly), *Boletín Informativo* (monthly).

Workers' Night School.
Junior Technical School.
Technical Institutes.
Schools of Engineering.
School of Civil Construction.
Graduate School.

DEANS:

Faculty of Electro-technics: GUILLERMO FEICK.
Faculty of Mathematics and Physics: ROBERTO FRUCHT.
Faculty of Mechanics: MARIO DERPICH.
Faculty of Chemistry: MAX VON BRAND.
Faculty of Construction: MARIO OLAVARRIA.

PROFESSORS:

AGUIRRE, FERNANDO, Chemistry, Applied Thermodynamics
APPEL, HERBERT, Chemistry
ARAYA, LUIS, Drawing
ARTAZA, JUSTO, Chemistry
AZPIRI, ESTEBAN, Electronics
BAND, EDWARD, Aeronautics and Hydraulics
BOCIC, VÍCTOR, Thermodynamics
BRAND, MAX VON, Metallurgy
CANSINO, HUMBERTO, Welding
CARRERE, JUAN, Unit Operations
CASANOVA, JUAN, Physics
CENITAGOYA, FERNANDO, Window Dressing
CONTRERAS, OSCAR, Drawing
COSTA, JULIO, Botany, Zoology
CHIANG, JAIME, Chemistry
DERPICH, MARIO, Kinematics
DURNEY, MIGUEL, Projects
DYER, BERTRAM, English
ESPÍNOLA, LUIS, Spanish
FEICK, GUILLERMO, Electronics, Telecommunications
FERNÁNDEZ, JUAN JOSÉ, Ceramics
FERNÁNDEZ, JULIO, Topography
FIEDLER, PETER, Chemistry
FIGUEROA, JUAN, English
FINSTER, CURT, Kinematics
FLEMING, NEVILLE, Mathematics
FLEMING, PATRICIA, English
FRUCHT, ROBERTO, Mathematics
GIADROSIC, OCTAVIO, Machine Tools
GIBBONS, HARRY, Thermotechnics
GILADO, EDUARDO, Graphic Statics
GÓMEZ, ARMANDO, History, Spanish
GONZÁLEZ, CARLOS, Algebra, Trigonometry
GUERRERO, HÉCTOR, Business Administration
GUTIÉRREZ, FLAVIO, Infinitesimal Calculus, Algebra, Trigonometry
HERNÁNDEZ, JUAN, Calculating Machines, Electrical Power Plants
HIRSCHMANN, JULIO, Thermotechnics

IBACACHE, EDGARDO, Electrical Machines, Lighting Engineering
JURENAK, DENES, Physics and Electrical Machinery
KEITEL, ALBERTO, Gymnastics
KELLER, ARNOLD, Physics
KEUCK, KARL, German
KLEIN, OTTO, History of Art, Drawing
LANGEN, RODOLFO, Thermotechnics
LAROZE, LUCIANO, Physics
LASCORZ, GABRIEL, Mathematics, Physics, Workshop Technology
LEIVA, NELSON, Electronics
LEIVA, SERGIO, Infinitesimal Calculus, Algebra, Trigonometry
LOTHHOLZ, KLAUS, Unit Operations
MCCORMICK, PAUL, Transitory Phenomena
MARÍN, CARLOS, Geometry
MILLÁN, JUAN, Electronic Equipment
MUÑOZ MENA, EMILIO, Spanish and Philosophy
MUZIO, ELSA DE, Drawing
MUZIO, HÉCTOR, Geometry, Drawing
NAVARO, OSCAR, Scenography
OLAVARRÍA, HUMBERTO, Electrical Machines
OLAVARRÍA, MARIO, Construction Materials
PASCUAL, JOSÉ, Mathematics, Physics
PÉREZ, ALEJANDRO, Physics, Chemistry
RIPA, RODOLFO, Chemistry
ROSALES, HUMBERTO, Physics
RUIZ, JOSÉ, Stability
SALAMÓ, LORENZO, Electrotechnics
SANFURGO, EDUARDO, Political Economy
SAUERLAND, FRANZ, Electronics
SCHIAPPACASSE, OSCAR, Mathematics
SCHMIDT, KURT, Gymnastics
SILVA, CLAUDIO, Mathematics
SIMONSEN, ENRIQUE, Accounting
SOYKA, HANS, Drawing
SPINGARN, KARL, Advanced Electronics
STUARDO, OSCAR, Biology
TUBINO, MANUEL, Machines Theory
VARGAS, CORNELIA DE, Industrial Design
VILLALOBOS, MANUEL, Wood Technology, Drawing
VOGEL, ERICH, Machine Tools, Machine Construction
WENZEL, OSVALDO, Mineralogy

MILITARY COLLEGE

Escuela Militar "General Bernardo O'Higgins": Casilla 174, Las Condes, Santiago; f. 1817 (by General O'Higgins); 50 military instructors and officials, 60 civilian instructors, 750 students; Dir. Col. SERGIO CASTILLO ARANGUIZ; publ. *Revista "Cien Aguilas"*.

SCHOOLS OF ART AND MUSIC

Conservatorio Nacional de Música (*National Conservatory of Music*): Compañía 1264, Santiago.

Conservatorium of Music: Universidad Católica de Valparaíso, Valparaíso.

Escuela de Artes Aplicadas (*School of Applied Arts*): Arturo Prat 1171, Santiago; Director VENTURA GALVAN L.

Escuela de Bellas Artes (*School of Fine Arts*): Parque Forestal, Santiago. Director CARLOS PEDRAZA OLGUÍN.

Instituto Secundario de las Escuelas Artísticas (*Secondary Institute of the School of Art*): Santiago. Director ENRIQUE ASTORGA.

PEOPLE'S REPUBLIC OF CHINA

Population 720,000,000

ACADEMIES

CHINESE ACADEMY OF SCIENCES

PEKING

Founded 1949; formerly the Academia Sinica (f. 1928).

President: Kuo Mo-Jo.

Vice-Presidents: Ch'en Po-Ta, Li Ssukuang, Chang Chin-Fu, Chu K'o Chen, Wu Yu-Hsun, P'Ei Li-Sheng

Secretaries: Ch'ien San-Ch'iang, Chen Kang-Pai, Ch'in Li-Sheng, Yu Wen, Tu Jun-Sheng, Hsieh Hsin-Hao.

Publications: *Science Monthly, Acta Scientia Sinica* (quarterly).

Departments of the Academy

Department of Physics, Mathematics, and Chemistry: f. 1955; *Chair.* Wu Yu-Hsun.

Institute of Applied Chemistry: Changchun; f. 1948.
Institute of Applied Physics: Peking; f. 1950.
Institute of Atomic Energy: Peking; Dir. Dr. Chien San-Chiang.
Institute of Chemistry: Peking; f. 1958.
Institute of Computing Technology: Peking.
Institute of Mathematics: Peking; f. 1941, re-organised [1952
Institute of Mechanics: Peking.
Institute of Organic Chemistry: Shanghai; f. 1950.
Institute of Physical Chemistry: Shanghai; f. 1950.
Institute of Semiconductors: Peking: f. 1956.
Institute of Upper Atmospheric Physics.
Lanchow Research Laboratory of Chemistry: Lanchow, Kansu.
Sian Institute of Chemistry: Sian, Shensi; f. 1959.
Wuhan Institute of Chemistry: Wuhan, Hupeh.

Department of Biological Sciences: f. 1957; *Chair.* T'ung Ti-Chou.

Institute of Agrobiology:
Institute of Applied Mycology: Peking; f. 1958.
Institute of Biochemistry: Shanghai; f. 1958.
Institute of Biophysics.
Institute of Botany: Peking; f. 1950.
Institute of Botany, South China Branch: Canton; f. 1954.
Institute of Entomology: Peking; f. 1950.
Institute of Experimental Biology: Shanghai; f. 1950.
Institute of Limnology: Wuhsi, Kiangsu.
Institute of Marine Biology: Shanghai; f. 1950.
Institute of Materia Medica: Shanghai; f. 1953.
Institute of Microbiology: Peking.
Institute of Palæontology: Nanking; f. 1950.
Institute of Physiology: Shanghai; f. 1950.
Institute of Plant Physiology: Shanghai; f. 1944.
Institute of Plant Taxonomy: Peking.
Institute of Vertebrate Palæontology: Peking; f. 1928; attached to Academy 1953.
Institute of Zoology: Peking; f. 1950.
Amoy Institute of Marine Biology: Amoy, Fukien; f. 1950.
Laboratory of Developmental Physiology of the Institute of Experimental Biology: Shanghai.
Laboratory of Nutrition Research: Shanghai.
Laboratory of Plant Physiology: Peking; f. 1957.
Research Institute of Yellow Sea Fisheries: Tsingtao Shantung.
Genetics Laboratory of the Institute of Botany: Peking.
Northwestern Institute of Agriculture and Biology: Wukung.
Tsingtao Marine Life Museum: Tsingtao, Shantung.
Wuhan Laboratory of Bacteriology: Wuhan, Hupeh; f. 1957.

Department of Geography and Geology: f. 1957; Chair. Yin Chan-Hsun.

Institute of Forestry and Pedology: Shenyang, Liaoning.
Institute of Forestry Science: Peking.
Institute of Geography: Peking; f. 1950; attached to Academy 1953.
Institute of Geography: Nanking Branch; f. 1953.
Institute of Geology: Peking; f. 1950.
Institute of Geophysics: Peking; f. 1952.
Institute of Meteorology and Geophysics: Shanghai.
Institute of Mineralogy: Peking; f. 1958.
Institute of Oceanography: Tsingtao, Shantung; f. 1950.
Institute of Pedology: Nanking; f. 1952.
Laboratory of Pedology: Chunking: Szechwan.
Research Laboratory of Geology: Chungchun: Kirin.
Changsha Institute of Mineraology: Changsha, Hunan.
Hunan Institute of Geology: Hunan.
Lanchow Geological Research Laboratory: Lanchow, Kansu.

Department of Technical Sciences: f. 1955; Chair. Yen Chi-T'zu.

Institute of Applied Chemistry: Changchun, Kirin; f. 1948; attached to Academy 1954.
Institute of Applied Physics: Peking; f. 1950.
Institute of Automation and Remote Control: Peking; f. 1956.
Institute of Chemical Engineering and Metallurgy: Peking.
Institute of Civil and Architectural Engineering: Peking.
Institute of Computing Technology: Peking; f. 1956.
Institute of Electrical Engineering: Peking.
Institute of Electronics: Peking; f. 1956.
Institute of Iron and Steel: Liaoning.
Institute of Mechanical and Electrical Engineering: Changchun, Kirin.
Institute of Metallurgy and Ceramics: Shanghai; f. 1928, present name acquired in 1952.
Institute of Metals: Peking; f. 1953.
Institute of Optics and Precision Instruments: Changchun, Kirin; f. 1957.
Institute of Petroleum: Dairen, Liaoning; f. 1952.
Research Academy of Hydrology: Peking; f. 1958.
Changsha Institute of Metallurgy and Ceramics: Changsha, Hunan.
Canton Institute of Applied Chemistry: Kuangchou, Kuangtung.
Lanchow Institute of Petroleum: Lanchow, Kansu.

Department of Philosophy and Social Sciences: f. 1955; Chair. Kuo Mo-Jo.

Institute of Archaeology: Peking; f. 1950.
Institute of Economics: Peking; f. 1949, present name in 1950.
Institute of Ethnology: Peking; f. 1958.
First Institute of History: Peking; f. 1954.
Second Institute of History: Peking; f. 1954.
Third Institute of History: f. 1950, present name in 1954.
Institute of International Relations: Peking.
Institute of Languages and Linguistics: Peking; f. 1950.
Institute of Law: Peking.
Institute of Languages of National Minorities: Peking.
Institute of Literature: Peking; f. 1956.
Institute of Natural Science History: Peking; f. 1954.
Institute of Philosophy: Peking.
Institute of Psychology: Peking; f. 1952.

Observatories

Feng-huang-shan Astronomical Observatory: Kunming, Yunnan.
Hanghcow Astronomical Observatory: Hangchow, Chekiang.
Hsu-chia-hui Astronomical Observatory: Shanghai; f. 1873, re-organised 1950.
Peking Astronomical Observatory: Peking.
She-shan Astronomical Observatory: Kiangsu.
Tientsin Astronomical Observatory: Tientsin, Hopei; f. 1958
Tsingtao Astronomical Observatory: Tsingtao, Shantung; f. before 1914.
Tzu-chin-shan Astronomical Observatory: Nanking; f. 1928.

Documentation Centre

Institute of Scientific and Technical Information Centre: Peking; f. 1956; controlled by State Council Commission for Science and Technology; Dir. Yuan Han-Ch'ing.

Botanical Gardens

Botanical Garden and Arboretum: Lushan, Kiangsi; f. 1934; numerous species of plants, trees and ferns.
Botanical Garden of Peking: Peking; 3,600 species.
Botanical Garden of Sian: Sian, Shensi; f. 1959; numerous species of trees, herbs and flowers; important for the loess area of North West China.
Botanical Garden of South China: Hangchow, Chekiang; 3,000 species including many tropical plants.
Museum of Marine Biology and Limnology: Tsingtao, Shantung; f. 1930; over 80 living species.
Sun Yat-sen Botanical Garden: Nanking, Kiangsu; f. 1929; specialises in research in uses of plants for medical and industrial purposes and in the cultivation of rice.

BRANCH ACADEMIES

Anhwei Branch: Hofei, Anhwei; f. 1959.
Canton Branch: Kuangchow, Kuangtung; f. 1958.
Chekiang Branch: Hangchow, Chekiang; f. 1958
Hopei Branch: Paoting, Hopei; f. 1958.
Kiangsi Branch: Nanchang, Kiangsi; f. 1958.
Kiangsu Branch: Nanking; f. 1958.
Kirin Branch: Changchun, Kirin; f. 1958.
Kweichow Branch: Kweiyang, Kweichow; f. 1958.
Lanchow Branch: Kansu; f. 1959.
Shanghai Branch: Shanghai; f. 1958.
Shantung Branch: Tsinan, Shantung.
Shensi Branch: Sian, Shensi; f. 1958.
Sinkiang Branch.
Szechuan Branch: Szechwan; f. 1958.
Wuhan Branch: Wuhan, Hupei; f. 1959.
Yunnan Branch: Kunming, Yunnan; f. 1958.

CHINESE ACADEMY OF MEDICAL SCIENCES
PEKING

Affiliated Institutes

Institute of Antibiotics: Peking.
Institute of Parasitology: Peking.
Institute of Microbiology: Peking.
Institute of Tuberculosis: Peking.
Institute of Oncology: Peking.
Institute of Internal Medicine: Peking.
Institute of Surgery: Peking.
Institute of Acupuncture and Moxabustion: Peking.
Institute of Traditional Chinese Drugs: Peking.
Institute of Pediatrics: Peking.
Institute of Medical Radiology: Peking.
Institute of Hypertension: Peking.
Institute of Labour Hygiene, Labour Protection, and Occupational Diseases: Peking.
Institute of Epidemiology and Microbiology: Peking.
Institute of Biological Products: Peking.
Institute of Pharmacology: Peking.
Institute of Blood Transfusion and Hemopathology: Peking.
Institute of Dermatology: Peking.
Laboratory of Isotopes: Peking.
Fukien Institute of Epidemiology: Foochow.
Shensi Institute of Traditional Chinese Medicine: Shensi.
Shensi Institute of Acupuncture and Moxabustion: Shensi.

CHINESE ACADEMY OF AGRICULTURAL SCIENCES
PEKING

Founded 1957

Central Research Institutes

Institute of Agricultural Economics: Peking; f. 1958.
Institute of Agricultural Mechanisation: Peking.
Institute of Animal Husbandry: Peking; f. 1958.
Institute of Breeding and Cultivation; Peking; f. 1957.
Institute of Chinese Veterinary Science: Peking; f. 1958.
Institute of Cotton: Peking; f. 1958.
Institute of Olericulture: Peking; f. 1958.
Institute of Plant Protection: Peking; f. 1957.
Institute of Pomology: Peking; f. 1958.
Institute of Soil and Fertilisers: Peking; f. 1957.
Research Laboratory of Agricultural Heredities: Peking; f. 1958.
Research Laboratory of Agricultural Meteorology: Peking; f. 1958.
Research Laboratory of Atomic Energy Applications: Peking; f. 1958.
Chenchiang Sericultural Research Institute: Chenchiang, Kiangsu.

Branch Research Institutes

Central China Institute of Agricultural Sciences: Wuhan, Hopei.
East China Institute of Agricultural Sciences: Nanking.
Hunan Institute of Agricultural Sciences.
Hupeh Institute of Agricultural Sciences.
Kiangsu Institute of Agricultural Sciences: Nanking.
Kirin Institute of Agricultural Sciences: Changchun.
Liaoning Institute of Agricultural Sciences: Shenyang.
Northeastern China Institute of Agricultural Sciences: Kungchuling, Kirin.
Northern China Institute of Agricultural Sciences.
Northwestern China Instititute of Agricultural Sciences: Sian, Shensi.
Southern China Institute of Agricultural Sciences: Kuangchou, Kuantung.
Szechwan Institute of Agricultural Sciences: Chengtu.

LEARNED SOCIETIES

Society for Science and Technology: f. 1958 by an amalgamation of the All-China Federation of Scientific Societies and the All-China Association for the Dissemination of Scientific and Technical Knowledge; under State Council Commission for Science and Technology; Pres. Li Ssu-Kuang; Secs. Yen Chi-Ts'u, Chen Chi-Tsu, Chou P'ei-Yuan, T'u Ch'ang-Wang, Hsia K'ang-Nung, Nieh Ts'un-Yung. There are 150 mems. on the National Committee. There are branches all over China, especially in large towns. Affiliated organisations include the following:

Chinese Mathematical Society: Peking; f. 1936; Pres; Hua Loo-keng; Sec.-Gen. Tuan Hio-fu; 24 local branches; 4,000 mems.; publs. *Acta Mathematica Sinica, Bulletin of the Chinese Mathematical Society.*

Chinese Physical Society: 3 Wen Ching Chieh, Peking; f. 1932; Pres. Chou Pei-yuan; Sec. Lu Hsuh-shan; 26 local branches; 2,200 mems.; publ. *Acta Physica Sinica, Physics Bulletin.*

Chinese Chemical Society: Peking; f. 1932; Pres. Yang Shih-hsien; Sec.-Gen. Tu Chuen-Yen; 30 local branches; 700 mems.; publs. *Acta Zoologica Sinica, Chemical Bulletin.*

Zoological Society of China: Peking; f. 1934; Pres. Ping Chih; Sec.-Gen. Cheng Tso-hsin; 16 local branches; 700 mems; publs. *Acta Zoologica Sinica, Biological Bulletin.*

Botanical Society of China: Peking; f. 1933; Pres. Ch'ien Ts'ung-shu; Sec. Ling Yong; 15 local branches; 1,200 mems.; publ. *Acta Botanica Sinica.*

Chinese Society of Plant Pathology: Peking; f. 1929; Pres. Tai Fang-ian; Sec.-Gen. Ch'iu Wei-fan; 20 local branches; publs. *Journal of Plant Pathology.*

Geological Society of China: Peking; f. 1922; Pres. Lee Ssu-kwang; Sec.-Gen. Hou Teh-feng; over 20 branches; publ. *Acta Geologica Sinica.*

Chinese Meteorological Society: Peking; f. 1924; Pres. Chao Chiu-chang; 11 local branches; publ. *Acta Meteorologica Sinica.*

Palæontological Society of China: Peking; f. 1929; Pres. Yin Tsan-hsun; Sec. Wang Hung-chen; 140 mems; publ. *Acta Palæontologica Sinica.*

Chinese Society of Oceanography and Limnology: Tsingtao; f. 1950; Pres. Chang Hsi; Sec.-Gen. Chu Shu-ping; 4 local branches.

Chinese Geographical Society: Peking; f. 1950 (merger of former Chinese Geographical Society of Peking and a Chinese Geographical Society of Nanking, founded in 1909 and 1933 respectively). Pres. Coching Chu; Sec.-Gen. Sun Ching-chih; 19 local branches; 2,000 mems.; publs. *Acta Geographica Sinica, Geographical Bulletin.*

Chinese Society of Anatomy: Peking; f. 1947; Pres; Chang Yun; Sec. Chang Ch'a-li; 21 local branches; more than 800 mems.; publ. *Acta Anatomia Sinica* (Journal of Anatomy).

Chinese Psychological Society: Peking; f. 1955; Pres. Pan Shu; Sec.-Gen. Ting Tsan; 19 local branches; 509 mems.; publs. *Acta Psychologica, Translated Articles on Psychology.*

Chinese Metallurgical Society: Peking; f. 1954; Chair. Chou Jen; Sec. Wang Chih-hsi; 12 local branches; over 1,000 mems.

Chinese Astronomical Society: Nanking; f. 1922; Pres. Y. C. Chang; Vice-Pres. Li Huan; 5 local branches; 100 mems.; publ. *Acta Astronomica Sinica.*

Chinese Geophysical Society: Peking; f. 1947; Pres. Ku Kung-hsu; Vice-Pres. Wong Wen-po; Sec.-Gen. Chen Tsung-chi (these two officials form the preparatory committee set up to reorganise the society in 1953); 141 mems.; publ. *Acta Geophysica Sinica.*

Chinese Society of Mechanical Engineers: Peking; f. 1951; Pres. Shih Chin-jen; Sec.-Gen. Chin Chin-hsuan; f. 1951; 17 local branches (4 more being organised); publ. *Chinese Journal of Mechanical Engineering.*

Chinese Society of Civil Engineering: Peking; f. 1953; Pres. Mao Yi-sheng; 25 local branches; 6,200 mems.; publs. *Chinese Journal of Civil Engineering, Civil Engineering.*

Chinese Society of Aeronautical Engineering: Peking; f. 1955; Preparatory Committee Wang Chun-k'uei, Wang Te-jung.

Chinese Society of Chemical Engineering: Peking; f. 1956; Pres. Hou Te-pang; Sec.-Gen. Hou Hsiang-lin; more than 16 branches.

Chinese Society of Fuels: Liao-ning Province; Publ. *Journal of Fuel.*

Chinese Society of Silicates: Peking; f. 1956; Pres. Lai Ch'i-fang; Sec.-Gen. Ling Ch'i-chun; 8 local branches.

Chinese Society of Mechanics: Peking; f. 1957; Pres. Ch'ien Hsueh-shen; Sec.-Gen. Li Min-hau; 1000 mems.

Chinese Society of Photography: Peking; f. 1956; Pres. Shih Shao-hua; Sec. Wu Ch'un; 21 mems. (standing committee).

Hydraulic Engineering Society of China: Peking; f. 1957; Pres. Chang Han-ying; 17 local branches.

Electrical Engineering Society of China: Peking; f. 1957; Pres. Liu Lan-po; 27 local branches.

Electronics Society of China: Peking; f. 1956; Pres. Wang Cheng; Sec. Lo P'ei-lin.

Chinese Society of Paper Making: Peking; f. 1959; Pres. Chao Hui-hua.

Shipbuilding Society of China: Shanghai; f. 1941; reorganised 1951; Pres. Ch'eng Wang; Sec. Chung En; 9 branches.

Chinese Society of Geodetics and Cartography: Shanghai; f. 1956; Pres. Ch'en Wai-oh; Sec.-Gen. Li Hsu-chih.

Automation Society of China: Peking; Pres. Ch'ien Hsueh-sen; Sec. T'u Shan-ch'eng.

Architectural Society of China: Peking; f. 1953; Pres. Chou Jung Hsin; Sec.-Gen. Wang Chi-ch'i; 18 local branches; 4,000 mems.; publ. *Chinese Journal of Architecture.*

Chinese Society of Textile Engineering: Peking; f. 1930 as the Chinese Textile Society and reorganised under its present name in 1954; Pres. Chen Wei-tsie; Sec.-Gen. Kuei Shih-chih; 26 local branches; 4,000 mems.; publ. *Textile Bulletin.*

Chinese Society of Agronomy: Peking; f. 1956; Pres. Yang Hsien-tung; Sec.-Gen. Tai Sung-en; 27 local branches; 1,000 mems.

Chinese Society of Forestry: Peking; f. 1951; Pres. Chang K'o-hsia; Sec.-Gen. Chang Chu-pao; 13 local branches; publ. *Forestry.*

Chinese Association of Zootechnic and Veterinary Science: Peking; f. 1955; Pres. Chen Ling-feng; Sec.-Gen. Tang Yei-zen; 25 branches; 1,600 mems.; publ. *The Chinese Journal of Zootechnic and Veterinary Science.*

Chinese Society of Pedology: Nanking; f. 1945; Pres. Li Ch'ing-ku; Sec.-Gen. Huang Jui-tsai; 9 local branches; publ. *Acta Pedologica Sinica.*

Chinese Society of Horticulture: Peking; f. 1956; Pres. Tseng Hsien-p'u; Sec.-Gen. Ha-kuei-tseng; 12 branches; over 600 mems.

Phytopathological Society of China: Nanking; f. 1929; Pres. Tai Fang-lan; Sec.-Gen. Chiu Wei-fan; 20 local branches; publ. *Acta Phytopathologica Sinica.*

Chinese Society of Entomology: Peking; f. 1951; Pres. Ch'en Shih-hsiang; Sec.-Gen. Huang Jui-ts'ai 24 local branches; over 1,000 mems.; publs. *Acta Entomologica Sinica, Bulletin.*

Chinese Medical Association: 4 San Tiao Hutung Tung Tan Pailou, Peking; f. 1914; Pres. Fu Lien-chang; Sec.-Gen. Fang Shih-shan; 54 local branches; over 19,000 mems.; publs. *Chinese Medical Journal* (in English), *National Medical Journal of China* and 13 specialised journals.

Chinese Pharmaceutical Association: Peking; f. 1912; Pres. Lung Tsai-yun; 29 local branches; 3,100 mems.; publs. *Pharmaceutical Bulletin, Acta Pharmaceutica Sinica, Journal of Chinese Drugs.*

Chinese Society of Physiological Sciences: f. 1926 (originally called The Chinese Society of Physiology); Pres. Chao I-ping; Sec.-Gen. Chin Yin-chang.

Chinese Society of Microbiology: Peking; f. 1928; Pres. F. F. Tang; Sec.-Gen. Fang Kang; 25 local branches; 1,400 mems.; publ. *Microbiological Information, Acta Microbiologica Sinica.*

Aeronautical Society: Peking; f. 1964; Pres. Shen Yuan.

All-China Federation of Literary and Art Circles: Peking; f. 1949; Chair. Kuo Mo-jo; Sec.-Gen. Yang Han-sheng. The objects of the Federation include the development of criticism and self-criticism in relation to literature and art and the direction of the iterary and art activities of the masses. Affiliated organisations include the following:

Union of Chinese Writers: f. 1953; Chair. Mao Tun; Sec. Liu Pai-yu.

Union of Chinese Musicians: f. 1953; Chair. Lu Chi.

Union of Chinese Artists: f. 1953; Chair. Chi Pai-Shih.

Union of Chinese Stage Artists: f. 1953; Chair. Tien Han.

China Opera Research Society: f. 1953; Chair. Wang Tsun-san.

China Dance Research Society: f. 1953; Chair. Wu Hsiao-pang.

Chinese Historical Society: Peking; f. 1951; Chair. Kuo Mo-jo, Vice-Chairs. Wu Yu-chang, Fen Wea-lan.

China Institute of Economics: Dir. Chen Po-ta; Vice-Dirs. Ma Yin-chu, Tu Shou-ssu, Hsich Mo-chiao, Chen Han-sheng.

Chinese Society of Philosophers: Chair. Li Ta.

Chinese People's Institute of Foreign Affairs: Peking; Hon. Chair. Chou En-lai; Pres. Chang Hsi-jo; Sec.-Gen. Wu Mao-sun.

Committee to Reform the Chinese Written Language: Chair. Wu Yu-chang.

Michurin Society of China: Peking; f. 1949; Chair. Yueh Tien-yu; object is to increase agricultural output by applying the theories of Michurin and Lysenko. There are numerous branches.

Political Science and Law Association of China: f. 1953; Chair. Tung Pi-wu.

Society for Mechanics and Construction Engineering: Peking; f. 1951; Pres. Mao Yi-sheng; Sec.-Gen. Ma Pen; 26 branches; over 6,000 mems.

Society for Radio Electronics: Peking; f. 1962.

Society for Shipbuilding Technology: Shanghai; f. 1962; Pres. Chang Wen-chih.

Society for Silk Cultivation: Wusih; f. 1963; Pres. Sun Pen-chung.

RESEARCH INSTITUTES

China Institute for New Jurisprudence Research: Peking; Dir. Shen Chun-ju.

China Institute for New Political Science Research: Peking.

Golden Sea Chemical Research Institute: Fangchia-yuan, Peking; f. 1922; Pres. Sun Hsueh-wu; publ. *Huanghai* (bi-monthly).

National Institute of Biological Products: Peking; Dir. T'ang Fei-fen.

National Institute of Medical Research: Peking.

North China Institute of Agricultural Research: Peking.

Observatory: Nanking; observations on the minor planets, solar flares and satellite tracking.

LIBRARIES

Central Library of the Chinese Academy of Sciences: Peking; f. 1951; 2,500,000 vols.; including much foreign literature mostly from the U.S.S.R., the U.S.A. and Great Britain; main branches in Shanghai, Nanking and Lanchow.

Nanking Library: Nanking; f. 1933; the library originally had 150,000 vols.; by 1945 it had grown to 1,400,000; the Sinological Library of Kiangsu Province was merged with it and it now has 2,290,000 vols.

National Library of Peking: Peking 7; f. 1912; the library contains the imperial collections of the Southern Sung (13th century), Ming (1368–1644) and Ching (Manchu) (1644–1911) dynasties; many rarities, including 5th-century MSS. and 9th-century wood-block prints; now has 4,400,000 vols.; Dir. Dr. Ting Hsi-ling.

National Capital Library: Peking; formerly Peking Municipal Library; 500,000 vols.

Peking University Library: Peking; f. 1902.

Provincial Libraries

Anhwei Library: Hofei; 310,000 vols.

Changchun Library, Kirin Province: Changchun; 230,000 vols.

Chekiang Library: Hangchow; f. 1872; 970,000 vols.

Chinghai Library: Hsining; 130,000 vols.

Chungking Library: Chungking; 1,850,000 vols.

Chungshan Library of Hunan: Changsha; 380,000 vols.

Chungshan Library of Kwangtung Province: Canton; f. 1909; 930,000 vols.

Fukien Library: Fuchow; f. 1929; 250,000 vols.

Harbin Library, Heilungkiang Province: Harbin; f. 1950; 410,000 vols.

Honan Library: Kaifeng; f. 1909; 370,000 vols.

Hopei Library: Paoting; 180,000 vols.

Hupei Library: Wuchang; 730,000 vols.

Kansu Library: Lanchow; 310,000 vols.

Kiangsi Library: Nanchang; f. 1922; 490,000 vols.

Kuan-hsi First Provincial Library: Kuei-lin; f. 1909.

Lan-chou Municipal Library: Lan-chou; f 1957.

Liaoning Library: Shenyang (Mukden); f. 1948; originally called North-East Library, it was renamed in 1948; 1,310,000 vols.

Library of Inner Mongolia: Huhetot; 110,000 vols.

First Library of Kwangsi: Kweilin; 240,000 vols.

Second Library of Kwangsi: Nanking; 200,000 vols.

Library of the Chinese Academy of Sciences: Peking; f. 1954.

Library of Sinkiang Uighur Autonomous Region: Urumchi; 70,000 vols.

Lushun-Dairen Library, Liaoning Province: Shenyang (Mukden); 720,000 vols.

People's Library of Kweiyang: Kweiyang; 250,000 vols.

Shanghai Library: Shanghai; f. 1952; 3,500,000 vols.

Shanghai Library of Dailies and Periodicals: 440,000 vols.

Shanghai Library of Historical Documents: 520,000 vols.

Shanghai Municipal People's Library: f. 1912; 12 branch libraries; 900,000 vols.

Shanghai Library of Natural and Applied Sciences: 50,000 vols.

Shantung Library: Chinan; f. 1908; 660, 000 vols.

Shensi Library: Sian; 360,000 vols.

Shenyang Library, Liaoning Province: Shenyang; 570,000 vols.

Szechuan Library: Chengtu; 860,000 vols.

Tientsin Municipal Library: Tientsin; 840,000 vols.

Tsingtao Library: Tsingtao; 290,000 vols.

Wuhan Library: Wuhan; 240,000 vols.

Yunnan Library: Kunming; 780,000 vols.

MUSEUMS

Peking

Imperial Museum: Imperial Palace; houses the art treasures of the different dynasties.

Metropolitan Historical and Construction Museum.

Peking Historical Museum: Curator Wang Yu-Chuan.

Preparatory Office of the Central Natural History Museum.

Preparatory Office of the Revolutionary Documents Museum.

The Peking Lu Hsün's Residence.

Shanghai

Shanghai Museum.

Shanghai Municipal Historical and Construction Museum.

Shanghai Lu Hsün's Memorial Hall.

Shanghai Revolutionary History Memorial Hall.

Provincial Museums

Anhui Provincial Museum: Hofei.

Canton Museum: Canton.

Canton Peasants' Institute: Canton.

Chekiang Provincial Museum: Hangchow.

Chengtu Tu Fu's Residence (Tsao Tang): Chengtu.

Chingtehchen Ceramics Museum: Chingtehchen.

Chungking Municipal Museum: Chungking.

Fukien Provincial Museum: Foochow.

Heilungkiang Provincial Museum: Harbin.

Honan Provincial Museum: Kaifeng.

Hopei Provincial Museum: Hopei.

Hsipop'o Memorial Hall: Chien Ping County.

Hunan Provincial Museum: Changsha.

Hupei Provincial Museum: Wuchang.

Jehol Museum: Chengteh, Jehol.

Juichin Revolutionary Memorial Hall: Juichin County.

Kansu Provincial Museum: Lanchow.

Kiangsi Provincial Museum: Nanchang.

Kiangsu Provincial Museum: Suchow.

Kirin Provincial Museum: Changchun.

Kwangsi Provincial Museum: Kweilin.

Kweichow Provincial Museum: Kweiyang.

Liaoning Provincial Museum: Managing Offices in Antung and Chinchow.

Lushun Museum: Lushun.

Nanking Museum: Nanking.

North-Eastern Natural Resources Institute: Lushun, Dairen.

North-East Museum: Shenyang.

Shaohsing Lu Hsün's Memorial Hall: Shaohsing.

Shansi Provincial Museum: Taiyuan.

Shantung Provincial Museum: Tsinan.

Shensi Provincial Museum: Sian.

Shenyang Palace Museum: Shenyang.

Sinkiang Uighur Autonomous Region Museum: Urumchi.

Szechuan Provincial Museum: Chengtu.

Tientsin Municipal Historical Museum: Hopei.

Tientsin People's Science Hall: Hopei.

Tsingtao Marine-Products Museum: Tsingtao.

Tsunyi Conference Memorial Hall: Tsunyi.

Yenan Revolutionary Memorial Hall: Yenan.

Yunnan Provincial Museum: Kunming.

UNIVERSITIES

AMOY UNIVERSITY
AMOY, FUKIEN
Founded 1921

President: WANG YA-NAN.

Number of teachers: 1,000.
Number of students: 3,000.
Number of Departments: 8—Chinese Language and Literature, Foreign Languages and Literature, History, Mathematics, Physics, Chemistry, Biology, Economics.

ANHWEI UNIVERSITY
HOFEI, ANHWEI

Number of Departments: 4—Chemistry, Physics, History and Geography.

CHENGCHOW UNIVERSITY
CHENGCHOW, HONAN

Number of Departments: 3—Mathematics, Physics, Chemistry.

PEOPLE'S UNIVERSITY OF CHINA
PEKING
Founded 1950

President: WU YU-CHANG.

Number of students: 1,000.
Number of Departments: 12—Economics, Finance, History, Industrial Economy, Journalism, Law, History and Administration, Planning and Statistics, Philosophy, Rural Economy, Trading Economy, Political Economy.

CHINAN UNIVERSITY
CANTON, KWANGTUNG
Founded 1958

President: T'AO CHU.

Number of students: 1,900.
Number of Departments: 8—Mathematics, Physics, Chemistry, Biology, Primary Industries, Mining and Geology, Marine Products, Navigation.

CHUANCHOW UNIVERSITY
CHUANCHOW, FUKIEN
Founded 1960

President: LIAO CH'ENG-CHIH.

Number of Departments: 6—Chinese Language and Literature, Mathematics, Chemistry, Physics, Biology, Law

CHUNGKING UNIVERSITY
CHUNGKING, SZECHWAN

President: CHENG SSU-CHUN.

Number of Departments: 13—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Economy, Geological Prospecting, Mining Engineering and Management, Power Engineering, Metallurgy, Mechanical Engineering, Telecommunications.

FUTAN UNIVERSITY
SHANGHAI, KIANGSU
Founded 1922

President: CHEN WANG-TAO.

Number of students: 3,000.
Number of Departments: 11—Chinese Language and Literature, Journalism, Western Languages and Literature, History, Philosophy, Mathematics, Physics, Chemistry, Biology, Economics, Law.

HANGCHOW UNIVERSITY
HANGCHOW, CHEKIANG
Founded 1959

Number of Departments: 8—Chinese Language and Literature, Foreign Languages, History, Pedagogics, Physics, Chemistry, Biology, Mathematics.

HOPEI UNIVERSITY
TIENTSIN, HOPEI PROVINCE
Founded 1960

Number of Departments: 7—Mathematics, Physics, Chemistry, Biology, Economy, Chinese Language and Literature, History.

HUNAN UNIVERSITY
CHANGSHA, HUNAN PROVINCE
Founded 1959

Number of Departments: 5—Mathematics, Chemistry, Physics, Biology, Engineering.

HUPEI UNIVERSITY
WUHAN, HUPEI

Number of Departments: 11—Chinese Language and Literature, Russian Language and Literature, History, Philosophy, Library Science, Mathematics, Chemistry, Physics, Biology, Economy, Law.

INNER MONGOLIA UNIVERSITY
HUHEHOT
Founded 1957

President: WU-LAN-FU.

Number of Departments: 6—Chinese Language and Literature (including Mongolian Language and Literature), History, Mathematics, Physics, Chemistry, Biology.

KIRIN UNIVERSITY
CHANGCHUN, KIRIN
Founded 1958

Number of Departments: 7—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Economics, Law.

KWEICHOW UNIVERSITY
KWEIYANG, KWEICHOW
Founded 1958

LANCHOW UNIVERSITY
LANCHOW, KANSU

President: LI TI-SHENG.

Number of Departments: 9—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Geography, Economics, Medicine.

LIAONING UNIVERSITY
SHENYANG, LIAONING PROVINCE

NANKAI UNIVERSITY

TIENTSIN, HOPEI

Founded 1919

President: YANG SHIH-HSIEN.

Number of teachers: 460.

Number of students: 3,000.

Number of Departments: 8—Chinese Language and Literature, Western Languages and Literature, History, Mathematics, Physics, Chemistry, Biology, Economics.

NANKING UNIVERSITY

NANKING, KIANGSU

Founded 1902

President: K'UANG YA-MING.

Number of Departments: 12—Chinese Language and Literature, History, Foreign Languages and Literature (Russian, English, German and French), History, Mathematics and Astronomy, Physics, Chemistry, Biology, Geography, Geology, Meteorology, Economy.

NINGHSIA UNIVERSITY

YINGCHWAN, NINGHSIA

Founded 1962

Number of teachers: 290.

Number of students: 1,000.

Number of Departments: 11—Chinese Language and Literature, Foreign Languages, Mathematics, Physics, Chemistry, Agronomy, Medicine, Animal Husbandry, Forestry, Marxism-Leninism, History.

NORTHWESTERN UNIVERSITY

SIAN, SHENSI

Founded 1937

President: HOU WAI-LU.

Number of teachers: 300.

Number of students: 3,100.

Number of Departments: 10—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Geography, Geology, Economics, Law.

PEKING UNIVERSITY

PEKING, HOPEI

Formed from the former colleges of arts, natural sciences and law of Peking, Tsinghua and Yenching Universities.

President: LU P'ING.

Number of students: 10,000.

Number of Departments: 14—Chinese Language and Literature, Russian Language and Literature, Western Languages and Literature (English, German and French), History, Philosophy, Eastern Languages (Japanese, Vietnamese, Arabic), Library Science, Mathematics, Physics, Chemistry, Biology, Geography, Economics, Law.

SHANTUNG UNIVERSITY

TSINGTAO, SHANTUNG

Founded 1926

President: CHAO CHE-FU.

Number of Departments: 7—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Oceanography.

SINKIANG UNIVERSITY

URUMCHI, SINKIANG

Founded 1960

Number of students: 1,800.

SUN YAT-SEN UNIVERSITY

CANTON, KUANG-TUNG

Founded 1924

President: HSU CHUNG-CHING.

Number of Departments: 10—Mathematics, Physics, Chemistry, Botany, Zoology, Geography, Chinese Language and Literature, Western Languages and Literature, History, Philosophy.

SZECHWAN UNIVERSITY

CHENGTU, SZECHWAN

Founded 1931

President: PENG TI-HSIEN.

Number of teachers: 700.

Number of students: 3,700.

Number of Departments: 7—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Economics.

WUHAN UNIVERSITY

WUCHANG, HUPEI

Founded 1913

President: LI TA.

Number of Departments: 11— Chinese Language and Literature, History, Russian Language and Literature, Philosophy, Library Science, Mathematics, Physics, Chemistry, Biology, Economics, Law.

YUNNAN UNIVERSITY

KUNMING, YUNNAN

Founded 1934

President: KAO CHIH-KUO.

Number of Departments: 8—Chinese Language and Literature, History, Mathematics, Physics, Chemistry, Biology, Agriculture, Forestry.

TECHNOLOGICAL UNIVERSITIES

Central China Technical University: Wuchang, Hupei; Dynamics, Electrical Engineering, Mechanical Engineering.

Chekiang University: Hangchow, Chekiang; f. 1927; Power, Mechanical, Electrical, Chemical and Civil Engineering, Mathematics, Physics; Pres. CHOU YUNG-HSIN; 6,000 students.

Chengtu Technical University: Chengtu, Szechwan; f. 1954; Mechanical Engineering, Electrical Engineering, Hydraulics, Construction Engineering.

Chiao-Tung University: Shanghai; f. 1896; Power Engineering, Machine and Tool Building, Electrical Machinery and Electronic Instrument Building, Telecommunications; Pres. PENG KANG.

Chi-lin Polytechnic University: Chang-chun, Chi-lin; f. 1958; Mathematics, Physics and Chemistry; Pres. K'UANG YA-MING.

China University of Science and Technology: Peking; f. 1958; Pres. KUO MO-JO; over 6,000 students; Nuclear Physics and Engineering, Technical Physics, Applied Geophysics, Chemical Physics, Radio Electronics, Radiation Chemistry, Thermodynamics, High Polymer Chemistry, Applied Mathematics and Computers, Dynamics, Biophysics, Automation, Geochemistry, Rare Elements.

Chungking Technical University: Chungking, Szechwan; Mining, Metallurgy, Mechanical Engineering, Dynamics, Electrical Engineering.

Dairen Technical University: Dairen, Liaoning; f. 1950; Mechanical Engineering, Chemical Engineering, Hydraulics.

Foochow University: Foochow; Mathematics, Physics, Chemistry, Mechanical Engineering, Civil Engineering, Electrical Engineering, Chemical Engineering, Mining and Metallurgy.

Harbin Polytechnical University: Harbin; f. 1920; Pres. LI CHANG; 4,000 students; Electrical and Civil Engineering.

Hofei Polytechnical University: Hofei, Anhwei.

Kweiyang Technical University: Kweiyang, Kweichow; f. 1958; Metallurgy, Mining, Mechanics, Electrical Engineering, Construction Engineering, Chemical Engineering, Geology.

Nanking Technical University: Nanking, Kiangsu; Electrical Engineering, Mechanical Engineering, Radio Engineering, Chemical Engineering, Food Technology, Construction Engineering, Geography.

Northeastern China Technical University: Shenyang, Liaoning; Mining, Iron and Steel Technology, Mechanical Engineering, Mining, Electrical Engineering.

Northwestern Polytechnical University: Hsien-yang, Shensi; Pres. SHOU SUNG-TAO; Mining, Electrical, Mechanical, Chemical, Civil Engineering, Textile Industry.

Shanghai University of Science and Technology: Shanghai; f. 1895; Nuclear Physics and Engineering, Technical Physics, Applied Geophysics, Chemical Physics, Radio Electronics, Radiation Chemistry, Thermodynamics, High Polymer Chemistry, Applied Mathematics and Computers, Dynamics, Biophysics, Automation, Geochemistry and Rare Elements; 1,400 teachers; 7,000 students.

Shensi University of Science and Technology: Sian, Shensi; f. 1960.

South China Technical University: Canton, Kwangtung; Mechanical Engineering, Chemical Engineering, Food Technology, Paper Production, Architecture, Construction Engineering, Radio Engineering.

Tientsin University: Tientsin, Hopei; Pres. CHANG KUO-FAN; Vice- Pres. LIU HSI-YING, LI SHU-SEN; Electrical, Mechanical, Chemical, Hydraulic, Building and Civil Engineering, Telecommunications, Textile Industry.

Tsinan Technical University: Tsinan, Shantung; Electrical Engineering, Mechanical Engineering.

Tsinghua University: Peking; f. 1911; Pres. CHIANG NAN-HSIANG; Building, Electrical, Radio and Hydraulic Engineering, Machine Manufacturing, Engineering, Physics; 1,200 teachers; 12,000 students.

Tsingtao Technical University: Tsingtao, Shantung; Light Industry, Architecture, Construction Engineering, Geography.

Tungchi University: Shanghai; f. 1908; Pres. WANG T'AO; this is China's largest civil engineering institute for the training of engineers. Depts. of Railway Engineering, Sewer and Pipe-line Laying, Building, Architecture, Surveying; 550 teachers; 5,600 students.

Yenpien University: Yenchi; agriculture, animal husbandry.

INSTITUTES OF HIGHER EDUCATION

AGRICULTURE

Anhwei Agricultural Institute: Hofei.

Central China Institute of Agriculture: Wuhan, Hupei.

Ch'angch'un Veterinary Institute: Ch'angch'un, Kirin.

Chekiang Agricultural Institute: Hangchow, Chekiang.

Chekiang Institute of Forestry: Wenchow.

Fukien Agricultural Institute: Foochow.

Honan Agricultural Institute: Chengchow; Courses on Afforestation.

Honan Institute for Agricultural Machinery: Loyang.

Hopei Agricultural Institute: Paoting; f. 1902.

Hunan Agricultural Institute: Changsha; Courses on Forest Management.

Inner Mongolia Institute of Animal Husbandry and Veterinary Science: Huhehot, Inner Mongolia; f. 1952; 1,400 students.

Inner Mongolia Institute of Forestry: Huhehot; 750 students.

Kansu Institute of Animal Husbandry and Veterinary Medicine: Wuwei; f. 1959.

Kiangsi Agricultural Institute: Nanchang.

Kwangsi Agricultural Institute: Nanning.

Kweichow Agricultural Institute: Kweiyang.

Nanking Institute of Agriculture: Nanking, Kiangsu.

Nanking Institute of Forestry: Nanking, Kiangsu; f. 1952.

North Kiangsu Agricultural Institute: Yangchow. Courses on Animal Husbandry.

Northeastern Institute of Agriculture: Harbin, Heilungkiang; f. 1950.

Northeastern Institute of Forestry: Harbin, Heilungkiang.

Northwestern Institute of Agriculture: Wukung, Shensi.

Pei-an Institute of Agriculture: Pei-an, Heilungkiang. Includes courses on Soil Science.

Peking Agricultural Institute: Peking; Pres. SUN HSIAO-TSUN.

Peking Institute of Forestry: Peking; Pres. LI HSIANG-FU.

Peking Mechanical Institute of Agriculture: Peking; f. 1952; Pres. HSU CHUEH-FEI.

Shanghai Institute of Marine Products: Shanghai.

Shansi Agricultural Institute: Taiku. Includes course on Animal Husbandry.

Shantung Agricultural Institute: Tsinan.

Shenyang Agricultural Institute: Shenyang.

Sinkiang "August First" Institute of Agriculture: Urumchi; f. 1952; includes course on Water Conservancy; 1,200 students.

South-Central China Institute of Agriculture: Wuhan, Hupei.

South China Agricultural Institute: Canton, Kwangtung.

Southwestern Institute of Agriculture: Chungking, Szechwan.

Szechwan Agricultural Institute: Ya-an.

Yunnan Institute of Agriculture and Forestry: Kunming; f. 1960.

ECONOMICS, LAW, POLITICS

Central Institute for Minorities: Peking; f. 1951; languages and literature for national minorities; history and technology.

Central Southern Institute of Finance and Economics: Wuhan, Hupei; f. 1952.

Central Southern Institute of Law: Wuhan, Hupei.

Central Southern Institute for Minorities: Wuhan, Hupei; Chinese Language, History.

Central Southern Institute of Law: Wuchang, Hupei.

East China Institute of Law: Shanghai.

Kweichow Institute for Minorities: Kweichow; arts, music and fine arts.

Northeastern Institute of Finance and Economics: Shenyang, Liaoning.

Northwest Institute for Minorities: Lanchow, Kansu; arts, nationalities' languages (Tibetan, Mongolian, Uigur), pedagogics, also scientific subjects.

Peking Foreign Trade Institute: Peking; f. 1954; training of specialists in foreign trade services; departments of Economics of Foreign Trade, Russian Language, Western Languages, Eastern Languages; also a one-year post-graduate course which includes English; Pres. LI CHIU-YEH.

Peking Institute of Finance: Peking; f. 1959.

Peking Institute of Inland Trade: Peking; f. 1964.

Peking Institute of Law: Peking; Pres. CHIEN TUAN-SHENG.

Shanghai Institute of Finance and Economics: Shanghai.

Sinkiang Institute of Minorities: Urumchi; art, Chinese language and literature, history, scientific subjects.

Southwestern Institute of Law: Chungking, Szechwan.

Szechwan Institute of Finance and Economics: Chengtu, Szechwan.

GEOLOGY, GEOGRAPHY

Central Southern Institute of Geology: Changsa, Hunan.

China Institute of Geology: Peking; f. 1952; Pres. LIU HSING.

Nanking Geological Institute: Nanking; f. 1951.

Northeastern Geological Institute: Changchun.

Peking Geological Institute: Peking.

Shantung Institute of Oceanography: Tsingtao, Shantung.

Szechwan Institute of Geology: Chengtu, Szechwan.

MEDICAL

Anhwei Medical College: Hofei.

Canton Chinese Medical College: Canton, Kwangtung.

Central Southern Medical College: Hankow, Hopei; 3,800 students.

Chekiang Medical College: Hangchow; f. 1924.

Chengtu Chinese Medical College: Chengtu, Szechwan; f. 1956.

Chungking Medical College: Chungking, Szechwan; therapeutics, pediatrics.

Dairen Medical College: Dairen, Liaoting; f. 1949.

East China College of Pharmacy: Nanking, Kiangsu.

Fukien Medical College: Foochow.

Harbin Medical College: Harbin, Heilungkiang.

Honan Medical College: Chengchow.

Hopei Medical College: Paoting.

Hsiangya Medical College: Changsha, Hunan; f. 1913.

Hunan Medical College: Changsha; f. 1913; therapeutics.

Hupei Medical College: Wuhan; f. 1937.

Inner Mongolia Medical College: Huhehot.

Kiangsi Medical College: Nanchang.

Kiangsu Medical College: Chinkiang.

Kirin Medical College: Changchun, Kirin; f. 1958.

Kunming Medical College: Kunming, Yunnan; f. 1920.

Kwangsi Medical College: Nanning.

Kweiyang Medical College: Kweiyang, Kweichow; f. 1940.

Lanchow Medical College: Lanchow, Kansu.

Nantung Medical College: Nantung, Kiangsu.

Peking Chinese Medical College: Peking; f. 1956.

Peking Medical College: Peking; f. 1906; 660 teachers; 3,000 students.

Shanghai Chinese Medical College: Shanghai; Pres. KUNG NAI-CHUAN; f. 1956.

The First Medical College of Shanghai: Shanghai; f. 1927.

The Second Medical College of Shanghai: Shanghai.

Shansi Medical College: Taiyuan.

Shantung Medical College: Tsinan; f. 1926.

Shensi Medical College: Yenki; f. 1958.

Shenyang College of Pharmaceutics: Shenyang, Liaoning.

Shenyang Medical College: Shenyang, Liaoning.

Sian Medical College: Sian, Shensi.

Sinkiang Medical College: Urumchi; f. 1956; 800 students.

South China Sun Yat-sen Medical College: Canton, Kwangtung; f. 1953.

Szechwan Medical College: Chengtu; f. 1914.

Tientsin Medical College: Tientsin, Hopei; f. 1958.

Tsingtao Medical College: Tsingtao, Shantung; therapeutics.

PEDAGOGY

There are 51 Pedagogical Institutes.

PHILOLOGY

Harbin Institute of Foreign Languages: Harbin; Russian language and literature, English language and literature.

Northwest Russian Language Special Course School: Sian, Shensi; Russian language and literature, English language and literature.

Peking Institute of Foreign Languages: Peking; English language and literature, German language and literature, French language and literature, Spanish language and literature, Rumanian language and literature.

Peking Russian Language Institute: Peking; Russian language and literature, Polish language and literature, Czechoslovak language and literature.

Shanghai Institute of Languages: Shanghai; Russian and English language and literature.

Shenyang Russian Language Special Course School: Shenyang, Liaoning; Russian language and literature.

Sinkiang Institute of Languages: Urumchi; Russian language and literature, English language and literature, German language and literature, French language and literature.

Southwest Russian Language Special Course School: Chungking, Szechwan; Russian language and literature.

TECHNOLOGY:

Central China Engineering College: Wuchang, Hupei.

Central Southern Institute of Civil Engineering: Changsha, Hunan.

Central Southern Institute of Mining and Metallurgy: Changsha; f. 1952.

Changchun Institute of Automotive Tractor Engineering: Changchun, Kirin.

Changchun Institute of Geological Surveying: Changchun.

Chengtu Engineering College: Chengtu, Szechwan.

Chengtu Institute of Geological Surveying: Chengtu.

Chengtu Institute of Tele-Communication Engineering: Chengtu, Szechwan.

Chungking Institute of Architectural Engineering: Chungking.

Dairen Institute of Marine Transportation: Dairen, Liaoning.

Dairen Institute of Engineering: Dairen; f. 1949; Mechanical, Chemical and Hydraulic Engineering.

East China Institute of Hydraulic Engineering: Nanking, Kiangsu.

East China Institute of Technology: Shanghai; Organic and Inorganic Industry.

East China Institute of Textile Industry: Shanghai.

Harbin Architectural Engineering College: Harbin.

Hofei Mining Institute: Hofei, Anhwei.

Hopei Provincial College of Science and Technology: Hopei Province; f. 1960.

Kunming Engineering College: Kunming.

Nanking Institute of Engineering: Nanking; Food Industry, Machine Building, Engineering.

Nanyang Engineering Institute: Shanghai; Machine Building, Electrical Engineering.

Northeastern Engineering College: Shenyang; f. 1949.

Northeastern Institute of Engineering: Shenyang; Mine Exploitation, Iron and Steel Technology.

Northwestern Institute of Engineering: Sian.

Peking Institute of Aeronautical Engineering: Peking. Vice-Pres. YANG TAI-FU.

Peking Institute of Geological Prospecting: Peking.

Peking Institute of Mining Technology: Peking.

Peking Petroleum Institute: Peking; f. 1953.

Peking Institute of Postal and Tele-Communications: Peking; f. 1955.

Peking Institute of Railway Engineering: Peking; Vice-Pres. LI HSIN-PO.

Peking Institute of Steel and Iron Technology: Peking; f. 1952; 700 teachers; 6,000 students; Physical Chemistry, Mining, Metallurgy, Technology, Mechanical Engineering; Vice-Pres. WEI CHING-CHANG.

Peking Institute of Technology: Peking; Chemical and Radio Engineering, Mechanics.

Shanghai Shipbuilding Institute: Shanghai; Shipbuilding, Electrical Engineering for Ships, Engineering Economics.

Shangtung Institute of Technology: Tsinan; Machine Manufacture.

Sian Institute of Aeronautics: Sian, Shensi; Aircraft, Engines, Aeronautic Heat Processing Technology.

Sian Institute of Building Construction: Sian, Shensi.

South China Engineering College: Canton.

South China Institute of Technology: Canton; Building, Mechanical and Chemical Engineering.

South Kiangsu Technical College: Soochow.

Taiyuan Institute of Technology: Taiyuan, Shansi; Electrical and Chemical Engineering, Machinery Building.

Tangshan Institute of Railway Engineering: Tangshan, Hopei.

Tsingtao Engineering College: Tsingtao, Shantung.

Tsingtao Institute of Technology: Tsingtao.

Wuhan Institute of Hydraulic Engineering: Wuchang, Hupei.

Wuhan Institute of Inland Waterway Transportation: Wuchang, Hupei.

Wuhan Institute of Surveying and Cartography: Wuchang, Hupei.

SCHOOLS OF ART AND MUSIC

Central Conservatoire: Peking; 370 students.

Central Conservatoire: Tientsin, Hopei; f. 1950; branch in Shanghai; Dean MA SSU TSUNG; Vice-Dean LU CHI.

Central Institute of Applied Arts: Peking; departments of Textiles, Ceramics, Modelling, Interior Decorating, Dyeing, Weaving, Printing.

Central Institute of Drama: Peking; f. 1950; Dean WANG YAO-CHING; Vice-Dean TSAO YU.

Central Institute of Fine Arts: Peking; departments of Painting, Drawing, Sculpture, History of Art.

Central-southern Institute of Fine Arts: Wuhan, Hupei.

Central-southern Music Institute: Wuhan, Hupei.

Hangchow Institute of Fine Arts: Hangchow, Chekiang; Dir. P'AN T'IEN-SHOU.

Institute of Dance and Ballet: Peking; 300 students.

Northeastern Institute of Fine Arts: Shenyang, Liaoning.

Northeastern Music Institute: Shenyang, Liaoning.

Northwestern Arts Institute: Sian, Shensi.

Northwestern Music Institute: Sian, Shensi.

Peking Institute of Filmology: Peking.

Shanghai Conservatoire: Shanghai; Pres. HO LU-TING.

Shanghai Institute of Drama: Shanghai.

Southwestern Institute of Fine Arts: Chungking, Szechwan.

Southwestern Music Institute: Chengtu, Szechwan.

REPUBLIC OF CHINA (TAIWAN)

Population 12,117,000

ACADEMIES

ACADEMIA SINICA

TAIPEI

President: WANG SHIH-CHIEH.

Director-General: Dr. I-CHIN YUAN.

There are elected 48 members.

Institute of Mathematics: Acting Dir. LIU SHIH-SHAO.

Institute of Chemistry: Dir. Prof. WAI NGAN-SHOU.

Institute of Botany: Dir. Dr. LI HSIEN-WEN.

Institute of Zoology: Dir. Dr. LIANG SHU-MU.

Institute of History and Philology: Dir. Dr. LI CHI.

Institute of Modern History: Dir. Prof. KUO TING-YEE.

Institute of Physics: Dir. Dr. WU TA-YOU.

Institute of Ethnology: Dir. Dr. LING SHUN-SHENG.

Institute of Economics: Dir. Prof. HSING MO-HUAN.

ACADEMIA HISTORICA

2 PEIPING ROAD, TAIPEI

President: Dr. LO CHIA-LUN.

BOARD OF COUNCILLORS:

Prof. YAO CHUNG-WU (*Head*), Prof. LI CHI, Prof. LI CHUNG-TUNG, Prof. LING HUNG-SHUN, Prof. HSIAO I-SHAN, Prof. KWANG LOO, Prof. MAO TSE-SHUI, Prof. KUO TING-YEE, Gen. LIU YUEN-YAO.

Contains national archives, library, documents; engaged in preparing history of China since the establishment of the Republic of China.

NATIONAL INSTITUTE FOR COMPILATION AND TRANSLATION

TAIPEI

Director: WANG FUNG-CHIAI.

Translates foreign books, examines and approves textbooks and standardises scientific and technical terms. Departments of Natural Sciences, Humanities and Textbooks.

LEARNED SOCIETIES

Astronomical Society of the Republic of China: 64 Kung Yuen Road, Taipei, Taiwan; f. 1958; to promote the sciences of astronomy and maintain contact with world astronomers; Pres. MO TSAO; Gen. Sec. TSAI CHANG-HSIEN.

China National Foreign Relations Association: 94 Nanchang Road, Sec. I, Taipei; Pres. HUANG KUO-SHU.

China Natural Science Promotion Association: Taipei; f. 1959; 900 mems.; to popularise natural sciences.

China Science Promotion Association: Taipei; f. Nanking 1917, refounded in Taiwan 1954; Dir. Dr. CHENG TIEN-FANG.

Chinese Association for the Advancement of Science: 5 Chungshan South Road, Taipei; f. 1954; Pres. CHENG TIEN-FONG.

Chinese Classical Music Association: 1 Lin Yi Street, Lane 3, Taipei.

Chinese Language Society: c/o Taiwan Normal University, Hop'ing East Road, Taipei; f. 1953; Dir. MAO TZU-SHUI; publ. *Chinese Language Monthly.*

Chinese Mathematical Society: P.O. Box 143, Taipei; 74 mems.; Pres. LIN CHIH-P'ING.

Chinese Medical Association: 25 Lane 24, Roosevelt Road, 4th Section, Taipei; f. 1915; 954 mems.; Pres. Dr. C. T. LOO; Sec.-Gen. Dr. H. T. CHIANG; publ. *Chinese Medical Journal.*

Chinese Statistical Association: 2 Kwang Chow Street, Taipei; f. 1941; Pres. C. C. LEE; publ. *Chinese Statistical Journal.*

Committee on Promotion of the Peaceful Uses of Atomic Energy: 110 Yenping South Road, Taipei; Pres. MILTON J. T. SHIEH.

International House Association, Tapei Chapter: 18 Hsinyi Road, Sec. III, Taipei; Pres. GEORGE Y. L. WU.

Library Association of China: c/o National Central Library, 43 Nan Hai Road, Taipei; f. 1953; publ. *Bulletin.*

Physical Society of China: c/o Institute of Physics, Academia Sinica, Tapei.

RESEARCH INSTITUTES

Astronomical Society of the Republic of China: 64 Kungyuan Road, Taipei; f. 1958; 110 mems.; Pres. CHIANG PING-JAN; Sec.-Gen. KAO P'ING-TZU; publ. *Communication.*

China Forestry Institute: 2 Hang-chou South Road, 2nd Section, Taipei; f. 1948; 862 mems.; Pres. P'AN NAI-KENG; publs. *Taiwan's Forestry Monthly, Tables of Volume of Timber in Cubic Feet, Acreage of Forest in Taiwan.*

Chinese Chemical Society: c/o Department of Chemistry, National Taiwan University; f. 1932; 1,810 mems.; Pres. LIN T'ING-SHENG; publs. *Bulletin, Chemistry.*

Chinese Institute of Civil Engineering: c/o Chinese Society of Engineers, 30A Aikuo West Road, Taipei; f. 1936; Pres. HSÜ SHIH-TA; publs. *Civil Engineering, Terms of Civil Engineering, A Series of Codes on Prestressed Concrete.*

Chinese Institute of Engineers: f. 1912; 30A Aikuo West Road, Taipei; 6,000 mems.; Pres. SHEN YI.

Geological Survey of Taiwan: P.O. Box 31, Taipei, Taiwan; f. 1946; geological research and mapping; mineral survey; ground water and engineering research; Dir. CHING-CHANG, Biq; Chief Geologist T. L. HSU; Chief Mineralogist T. P. YEN; Chief Fuel Geologist C. S. HO; Chief Palæontologist L. S. CHANG; library of over 10,000 vols.; publs. *Bulletin of the Geological Survey of Taiwan*, maps and papers.

Institute of Electronics: National Chaio-Tung University, Hsin Chu.

Research Institute of Agricultural Economics: Taiwan Provincial Chung Hsing University, Taichung; f. 1957; Dir. Dr. SHISON C. LEE.

Research Institute of Civil Engineering: Provincial Cheng Kung University, Tainan; f. 1959.

Research Institute of Electrical Engineering: Provincial Cheng Kung University, Tainan; f. 1959.

Research Institute of Mechanical Engineering: Provincial Cheng Kung University, Tainan; f. 1957.

Taiwan Agricultural Research Institute: Roosevelt Road, 4th Section, Taipei; f. 1895; Dir. Hsu Shui-ch'uan.

Taiwan Fisheries Research Institute: Chilung; Dir. Teng Huo-to.

Union Industrial Research Institute: Ministry of Economic Affairs, Hsinchu, Taiwan; f. 1954; eleven research laboratories for studying industrial problems.

LIBRARIES

National Central Library: 43 Nan-hai Road, Taipei; f. 1954; 239,850 vols., including rare Chinese collection of 121,370 vols., stone rubbings, bronze inscriptions; Dir. Chiang Fu-tsung; publs. *National Bibliography, Monthly List of Chinese Books.*

Institute of History and Philology Library: Academia Sinica, Taipei: 211,892 vols.; 25,000 rubbings; cabinet records of Ming and Ch'ing dynasties and factual files of Ming dynasty.

Kuomintang Central Committee Library: Taipei; 105,541 vols. on Dr. Sun Yat-Sen's writings and studies on San Min Chu.

National War College Library: Yangmingshan, Taipei; 78,604 vols. on political subjects; Librarian Lin Tze-hsiun, M.A.

Taipei Municipal Library: Taipei; 73,675 vols.; three branches; a Braille point reading room and nine mobile book stations.

Taiwan Provincial Library in Taipei: 1430-1 Chung Cheng Road, Taipei; f. 1915 and renamed in 1948; 307,800 vols.; special collections of Taiwan books (16,500 vols.), Southern Asian books (50,000 vols.); 3 brs. and mobile service; Dir. Wang Sing-wu; publs. *Bulletin, Catalogue of Books Relating to Taiwan, Catalogue of Western Books on China, Union Catalogue of Chinese Bibliographies, Catalogue of Western Books on Southern Asia.*

MUSEUMS AND ART GALLERIES

Joint Administration of National Palace and National Central Museums: Wu-feng, Taichung; f. 1949; collections brought from the National Palace and National Central Museums in China; 242,596 items dating from the Shang Dynasty (1523-1028 B.C.) to Ching Dynasty (1644-1911).

National Historical Museum: Nan-hai Road, Taipei; f. 1956; includes collections formerly in Honan Provincial Museum, items recovered from Japan after the Sino-Japanese War; results of excavations on Kinmen and Penghu Islands; Dir. Pao Tseng-peng.

National Taiwan Science Hall: 41 Nan-hai Road, Taipei, Taiwan; f. 1958; planetarium, science exhibitions, micro-organism projections; organised Science Clubs of the Republic of China 1962; publ. *Science Clubs Bulletin* (monthly).

Taiwan Provincial Museum: New Park, Taipei; f. 1908, renamed in 1946; collections of local Taiwan cultures, natural history and geology of Taiwan.

UNIVERSITIES

NATIONAL CHENGCHI UNIVERSITY

MUSHAN, TAIPEI

Founded 1927 as School of Political Science; raised to the status of University 1946. Government financed.

President: Liu Chi-hung.
Dean of Studies: Loh Chi-yean.

Library: 22,000 volumes in English, 67,018 volumes in Chinese.
Number of teachers: 417, including 302 professors.
Number of students: 3,121.

Deans of Graduate Schools:

School of Education: Wu Shantan.
School of Political Science: Chang Ching-chien.
School of Diplomacy: Tu Kwang-hsun.
School of Journalism: Tsen Shu-pai.

Deans of Colleges:

College of Arts: Wu Kang.
College of Law: Tsou Wan-hai.
College of Commerce: Wei T. S.

Heads of Departments:

Department of Chinese Literature: Hsiung Kung-che.
Department of Oriental Languages: Meng Shih-hwan.
Department of Western Languages and Literature: Zi Khau-piao.
Department of Education: Hu Ping Cheng.
Department of Political Science: Chu Chien-ming.
Department of Diplomacy: Lee Che-tai.
Department of Journalism: Paul H. C. Wang.
Department of Ethnology and Sociology: Hu Lion.
Department of Public Finance: Chang Tse-yao.
Department of International Trade: Beh Yu.
Department of Accounting and Statistics: Kao T. T.
Department of Banking: Tung Shiu-ming.
Department of Law: Chang I-din.
Department of Business Administration: Jan Wei-chun.

NATIONAL TAIWAN UNIVERSITY

ROOSEVELT ROAD, TAIPEI

Founded in 1928 during the Japanese occupation as the Taihoku Imperial University; taken over and name changed by the Chinese Government in 1945.

President: Chien Shih-liang.
Dean of Studies: Ku Yuan-liang.
Dean of Students: Liu Fah-hsuen.
Dean of Business Affairs: Hwang Teh-hsin (acting).

Library of over 750,000 volumes.
Number of teachers: 1,120.
Number of students: 9,426.

Publications: *Bulletin of the College of Arts, Bulletin of the Department of Archæology and Anthropology, Acta Geologica Taiwanica, Acta Botanica Taiwanica, Journal of Social Science, Journal of Sociology, Memoirs of the College of Medicine, Memoirs of the Faculty of Engineering, Bulletin of the College of Engineering, Memoirs of the College of Agriculture.*

Deans of Colleges:

College of Liberal Arts: Shen Kang-peh.
College of Science: Shih Kung-shing.
College of Law: George Chung-mo Han (acting).
College of Medicine: Wei Huo-yao.
College of Engineering: Choong Kow K.
College of Agriculture: Chang Yen-tien.

Heads of Departments:

College of Liberal Arts:
Chinese Literature: Tai Chin-nung.
Foreign Languages and Literature: Yu Erh-chang (acting).
History: Yu Yu-sen.
Philosophy: Hung Yau-shun.
Archæology and Anthropology: Ruey Yih-fu (acting).
Library Science: Shen Kang-peh.

College of Science:
Mathematics: Hsiang Fu-cheng.
Physics: Hsu Yuin-chi (acting).
Chemistry: Lin Wei Chuwan (acting).
Geology: Wang Chao-siang (acting).
Zoology: Liang Yun-sheng (acting).
Botany: Yang Bao-yu.
Psychology: Su Hsiang-yu.
Geography and Meteorology: Ling Shao-hou (acting).
Pre-Medical Division: Tao Hsin-chih.

College of Law:
Law: GEORGE CHUNG-MO HAN.
Political Science: ROBERT CHU-KUA HUANG.
Economics: CHANG HAN-YU.
Sociology: LUNG KWAN-HAI.
Business Administration: LI YIN-WU.

College of Medicine:
Anatomy: YU CHIN-CHUAN.
Physiology: FANG HWAI-SZE.
Biochemistry: TUNG TA-CHEN.
Bacteriology: YEN CHIH-CHUNG.
Parasitology: HUANG WEN-HSIEN.
Pharmacology: LEE CHEN-YUAN.
Pathology: LIN WEN-SHIH-JEN (acting).
Public Health: CHEN KUNG-PEI.
Internal Medicine: TSAI HSIH-CHIN.
Surgery: LIN TIEN-YU.
Gynæcology and Obstetrics: WEI PING-YEN.
Pediatrics: WEI HUO-YAO.
Neuro-psychiatry: LING TSUNG-YI.
Oto-rhino-laryngology: SHIH MIEN TU.
Ophthalmology: CHANG JUNG-MAO (acting).
Urology: HSIEH YUI-FU.
Dermatology: CHEN TENG-KO.
Dentistry: KUO SHUI.
Radiology: WANG KUANG-CHU (acting).
Clinical Pathology: YANG SZE-PIAO.
Pharmacy: SUNG YUIN-TAO.
Nursing: YU TAO-CHENG.
Medical Technology: YANG SZE-PIAO.
Anæsthesiology: LEE KWAN-YI (acting).

College of Engineering:
Civil Engineering: YU CHAO-CHUNG.
Mechanical Engineering: JULIAN TSU-NIEN CHIN.
Electrical Engineering: GEORGE C. HSU.
Chemical Engineering: SHENG HSIUNG-CHING.

College of Agriculture:
Agronomy: PI CHUNG-PEN.
Agricultural Engineering: CHANG KENT F.
Agricultural Chemistry: CHEN CHEN-TOW.
Plant Pathology and Entomology: YIE SHI-TAO.
Forestry: LIU TANG-JUI.
Animal Husbandry: LEE TENG-YUAN.
Veterinary Medicine: LIU YONG-PIAO.
Agricultural Economics: CHANG TE-TSUI.
Horticulture: CHEN CHING-CHING.
Extension: YANG MARTIN.

DIRECTORS OF GRADUATE INSTITUTES:
Chinese Literature: TAI CHIN-NUNG.
History: YU YU-SEN.
Philosophy: HUNG YAU-SHUN.
Archæology and Anthropology: RUEY YIH-FU (acting).
Physics: HSU YUIN-CHI (acting).
Chemistry: LIN WEI-CHUWAN (acting).
Geology: WANG CHAO-SIANG.
Botany: YANG BAO-YU.
Psychology: SU HSIANG-YU.
Political Science: ROBERT CHU-KUA HUANG.
Law: GEORGE CHUNG-MO HAN.
Economics: CHANG HAN-YU.
Physiology: FANG HWAI-SHIH.
Pathology: LIN WEN-SHIH-JEN (acting).
Biochemistry: TUNG TA-CHEN.
Pharmacology: LEE CHEN-YUAN.
Public Health: CHEN KUNG-PEI.
Agronomy: PI CHUNG-PEN.
Agricultural Chemistry: CHEN CHEN-TOW.
Plant Pathology and Entomology: YIE SHIH-TAO.
Mathematics: HSIANG FU-CHENG.
Zoology: LIANG YUN-SHENG (acting).
Civil Engineering: YU CHAO CHUNG.
Electrical Engineering: HSU GEORGE C.
Rural Socio-Economics: CHANG TE TSEI.

NATIONAL TSING HUA UNIVERSITY
HSINCHU

Founded 1956.

President: Dr. CHEN KO-CHENG.

Number of teachers: 142.
Number of students: 280.

Institute of Nuclear Science.
Institute of Mathematics.
Institute of Physics.

TAIWAN PROVINCIAL CHENG KUNG UNIVERSITY
TA-HSUEH ROAD, TAINAN

Founded 1927 as Tainan Higher Technical School, renamed Taiwan Provincial College of Engineering 1946, took present name in 1956.

Comprises three colleges: College of Engineering, College of Arts and Sciences, and College of Business Administration.

President: Dr. LO YUN-PIN.
Librarian: CHOU CHUAN-LI.

Number of teachers: 423.
Number of students: 3,663.

DEANS:
Studies: CHOU CHAO-HSI.
Students: TING TSO-SHAO.
General Affairs: CHANG SHU-WEN.
College of Arts and Science: WOO JEN-MING.
College of Engineering: CHAO NEE.
College of Business Administration: LIU TING-HSIN.
Heads of Departments: C. M. SHI, C. T. FU, T. S. CHANG, L. T. LEE, Y. S. CHU, C. H. CHOU, H. Y. LO, C. NEE, T. I. CHU, T. S. LIU, C. Y. CHENG, P. C. FAN, T. T. LAI, T. W. CHANG.

TAIWAN PROVINCIAL CHUNG HSING UNIVERSITY
250 KUOKUANG ROAD, TAICHUNG

Founded 1961.

Includes the former Taiwan Provincial College of Agriculture, Taichung, and the Taiwan Provincial College of Law and Commerce, Taipei.

President: TANG HUI-SUN.
Dean of General Affairs: FENG HSIOA-PENG.
Librarian: HUANG NAI-LONG.

Number of teachers: 337.
Number of students: 3,639.

DEANS:
Dean of College of Agriculture: SUNG MIEN-NAN.
Dean of College of Law and Commerce: CHEO IH-KWEI.
Dean of College of Science and Engineering: CHI HSIU.
Dean of Studies: LIU TAO-YUAN.
Dean of Students: WANG TIEN-MIN.

HEADS OF DEPARTMENTS:
College of Agriculture:
Agronomy: WANG CHENG-YIN.
Forestry: LIU SHEN-HSIAO.
Food Technology Division: HO CHING-AN.
Soil and Fertiliser Division: SHENG CHENG-YUAN.
Entomology: KUNG KU-SHEN.
Agricultural Economics: SUNG MIEN-NAN.
Horticulture: HUANG PI-CHEN.
Agricultural Education: LIN LOK-CHIEN.
Animal Husbandry: CHEN YAO-KUN.
Plant Pathology: LO CHING-CHE.
Research Institute of Agricultural Economics (Dir.): LI CHING-LIN.

College of Law and Commerce:
Law: HO HSIAO-YUAN.
Public Administration: WU YING-CHUAN.
Land Economics: WAN WEN-CHIA.
Sociology and Social Works: LI HUNG-YIN.
Economics: HO YI-JIN.
Accounting and Statistics: CHANG CHANG-CHING.
Business Administration: WANG HUNG-FA.
Co-operative Administration: WU KO-KANG.
Night School: TSAI YIN-EN.

College of Science and Engineering:
Chemistry: CHI HSIU.
Botany: YI HSI-TAO.
Applied Mathematics: TSAI TU-KUNG.
Civil Engineering: CHAO KUO HWA.

TAIWAN NORMAL UNIVERSITY
TAIWAN

Telephone: 29916.

Founded 1946.

President: Dr. TU YUAN-TSAI.
Registrar: WU KUO-MIN.
Librarian: WANG CHEN-KU.

Number of teachers: 410 full-time, 186 part-time.
Number of students: 5,105.
Publications: *Bulletin of Taiwan Normal University, Journal of Research*

Institute of Chinese Literature, Bulletin of Institute of Education Research.

DEANS:

College of Education: Dr. T'IEN P'EI-LIN.
College of Arts: KUO MING.
College of Science: Dr. LIN I-MIN.
Department of General Affairs: WANG CHEN-KU.
Studies: TSUNG LIANG-TUNG.
Students: CHANG TSUNG-NING.

TUNGHAI (CHRISTIAN) UNIVERSITY
TAICHUNG

Founded 1955 under the auspices of the United Board for Christian Higher Education in Asia and supported largely by the Board.

President: WU TEH-YAO.
Dean of Studies: TANG SHOU-CHIEN.
Dean of Students: CHANG CHING-YU.
Administrative Officer: C. F. JOCKHECK, Jr.
Librarian: SENG HARRIS B. H.

Number of teachers: 127.
Number of students: 873.
Publications: *Tunghai Journal, Tunghai Fortnight, Tunghai News.*

DEANS OF COLLEGES:

College of Arts: KU TUN-JOU.
College of Science: WEN PU-YI.
College of Engineering: A. THEODORE TRIMBLE (Acting Dean).

PROFESSORS:

Faculty of Arts:
BUELL, WILLIAM A., English
CHANG CHING-YU, Sociology
CHAO CHING-HSI, Economics
CHI LO-TUNG, History
COCHRAN, ANNE, English
COOPER, CLARA C., Psychology
FANG SHI TOU, Chinese
HSIAO CHI-CHUNG, Chinese
HSU DAU-LIN, Political Science
HSU FU-KWAN, Chinese
KAO PAO-KWANG, Chinese
KU TUN-JOU, Political Science
LAN WEN-CHENG, History
LIANG CHIA-PIN, History
LIANG JUNG-JOU, Chinese
LUNG KUAN-HAI, Sociology
SENG HARRIS B. H., Library Science
SUN KE-KWAN, Chinese
TANG SHOU-CHIEN, Education
TIEN KE-MING, Economics
TU HENG-TSE, Political Science
WU TEN-YAO, Political Science
YANG SHAO-TSENG, History
YANG SHU-CHIA, Economics

Faculty of Science:
CHEN CHIEN-SHAN, Biology
CHIEN HSIEN-FANG, Biology
CHU YING-SIEN, Physics
WANG SHIN-FU, Physics
WEN PU-YI, Chemistry

Faculty of Engineering:
FANG HUNG-CHIH, Chemical Engineering
HU CHAO-FUEI, Architectural Engineering
TRIMBLE, A. T., Chemical Engineering

COLLEGES

College of Chinese Medicine and Pharmacy: Taipei; f. 1958; Pres. CHOW PANG-TAO; Depts. of Chinese medicine and pharmacy; 54 staff, 150 students.

Private Kaohsiung Medical College: Kao-hsiung, Taiwan; f. 1954; Pres. TU TSUNG-MING; 126 staff, 789 students.

Providence College: Taichung; Pres. Dr. MARK TSAI, M.A., PH.D.; 109 staff, 750 students; 5 depts.; library, 250,000 vols.

Soochow University Law College: Wai Shuang Hsi, Shihlin, Taipei; Pres. STONE CHAO-YUNG; 1,243 students.

Taipei Institute of Technology: Taipei; Pres. CHANG TAN.

Taiwan Christian College: Chung Li, Taiwan; f. 1955; Pres. M. S. HSIEH, PH.D.; 126 staff, 1,400 students.

Taiwan Provincial College of Agriculture: Taichung; f. 1946; 10 depts.; Pres. WANG TSU-KAO; 275 teachers, 1,226 students.

Taiwan Provincial College of Law and Commerce: Hokiang Street, Taipei; f. 1949; 5 depts.; Pres. CHEO IH KWEI; 276 teachers, 2,529 students.

Taiwan Provincial Institute of Agriculture: Ping-tung, Taiwan; f. 1954; Pres. WANG YU-KANG; Depts. of Agronomy, Agricultural Chemistry and Animal Husbandry, Veterinary Medicine, Forestry, Agricultural Machinery, and Irrigation and Drainage; 403 students.

Taiwan Provincial Junior College of Nursing: Taipei, Taiwan; formerly the Nursing Vocational School; Pres. HSU AI-CHU; 300 students.

Taiwan Provincial Maritime Junior College: Keelung, Taiwan; f. 1953; Pres. LEE CHANG-LY; 962 students.

Taiwan Provincial Taipei Junior College of Technology: Taipei, Taiwan; f. 1948; Pres. CHANG TAN; 1,805 students.

Tamkang College of Arts and Sciences: Tamsui; f. 1951; Pres. CHANG CLEMENT C. P.; 3,528 students.

SCHOOLS OF ART AND MUSIC

National Taiwan Arts Centre: 47 Nan-hai Road, Taipei; exhibitions of art; performances of national opera; plays, films, concerts, dancing.

National Taiwan Arts College: Pan-ch'iao Park, Taipei; f. 1960; 84 staff, 423 students.

National Taiwan Junior College of Arts: Pan-chiao Park, Taipei; f. 1955; cine-drama, radio, TV, music, crafts, printing, fine arts; 245 teachers, 747 students; Pres. TENG CHANG-KUO.

COLOMBIA

Population 15,434,090

LEARNED SOCIETIES AND RESEARCH INSTITUTES

ACADEMIES

Bogotá

Academia Colombiana (*Colombian Academy*): Ap. Postal 815; f. 1871; corresponding Academy of the Real Academia Española, Madrid; 50 corres. mems.; publs. *Anuario* (12 vols.), *Boletín*.

Director: R.P. Félix Restrepo, s.j.
Deputy-Director: Eduardo Guzmán Esponda.
Secretary: José Manuel Rivas Sacconi.
Librarian: Manuel José Forero.
Treasurer: José Antonio León Rey.
Censor: Rafael Torres Quintero.

Members:

Aguilera, Miguel
Arciniegas, Germán
Azula Barrera, Rafael
Bateman, Alfredo D.
Bejarano Díaz, Horacio
Caballero Calderón, Eduardo
Carranza, Eduardo
Castro Silva, Mgr. José Vicente
Escobar López, Ignacio
Flórez, Luis
Forero, Manuel José
García, Mgr. Juan Crisóstomo
Guzmán Esponda, Eduardo
León Rey, José Antonio
Lleras Camargo, Alberto
López de Mesa, Luis
Lozano y Lozano, Juan
Martínez, Fernando Antonio
Maya, Rafael
Motta Salas, Julián
Naranjo Villegas, Abel
Ortega Torres, R.P. José J.
Pabón Núñez, Lucio.
Piñeros Corpas, Joaquín
Porras Troconis, Gabriel
Restrepo, R.P. Félix
Rivas Sacconi, José Manuel
Rojas, Jorge (*elected*)
Sánchez, R.P. Alvaro
Santos, Eduardo
Torres Quintero, Rafael
Zubiría, Ramón de (*elected*)

Academia Colombiana de Ciencias Exactas, Físicas y Naturales (*Colombian Academy of Exact, Physical, and Natural Sciences*): Observatorio Astronómico de Santafe de Bogotá, Carrera 8a, No. 8.00; Apdo. 2584; Pres. Jesus Emilio Ramírez, s.j.; Vice-Pres. Leopoldo Guerra Portocarrero; Academic Sec. Hernando Franco Sánchez; Acad. Treas. Vicente Pizano Restrepo; 6 hon. mems., 27 mems., 79 corres. mems.; publ. *Revista*.

Academia Colombiana de Historia (*Colombian Academy of History*): Calle 10 No. 8-95, Apdo. Nacional 1959; f. 1902; library 60,000 vols.; 40 mems. excluding Colombian and foreign corres. mems.; Pres. Dr. Eduardo Santos; Sec. Oswaldo Diaz Diaz; publ. *Boletín de Historia y Antiguedades* (Dir. Mons. Mario Germán Romero).

Academia Colombiana de Jurisprudencia (*Colombian Academy of Jurisprudence*): Apdo. Nacional 28-39; f. 1894; Sec. Gerardo Melguizo; publs. *Revista, Anuario*.

Academia Nacional de Medicina (*National Academy of Medicine*): Carrera 9, No. 20-13, Apdo. Nacional 386; f. 1890; 40 mems., 10 hon. mems.; Pres. Prof. Edmundo Rico; Vice-Pres. Dr. Gonzalo Esguerra Gómez; Sec. Dr. Guillermo Rueda Montaña; Perm. Sec. Dr. José Vicente Huertas; publ. *Revista* (quarterly).

Cartagena

Academia de Historia de Cartagena de Indias (*Cartagena Academy of History*): Calle de Vicente García 6; f. 1912; 24 mems., 25 hon., 50 Colombian, and 112 foreign corresponding; Pres. Gabriel Porras Troconis; Vice-Pres. Raúl Porto del Portillo and Gabriel Jiménez M.; Perm. Sec. Fidel J. Pérez Calvo; Treas. Eduardo Gz. de Piñeres; Librarian Simón J. Vélez; publ. *Boletín Historial* (Dir. Pastor Restrepo).

Medellín

Academia Antioqueña de Historia (*Antioquia Academy of History*): Carrera 53, Nos. 51-65; f. 1903; Pres. Emilio Robledo, m.d.; publ. *Repertorio Histórico*.

SOCIETIES

Bogotá

Alianza Colombo-Francesa: Carrera 7a, 22-78, a.n. 805; Dir. R. Liquière.

Asociación Colombiana de Bibliotecarios (*Colombian Association of Librarians*): Apdo. Nacional 3654.

Asociación Colombiana de Facultades de Medicina (*Colombian Association of Medical Faculties*): Calle 45a No. 9-77, Oficina 601; f. 1959 to further higher education and research in medicine; Divisions of Education, Planning and Development, Medical Specialities, Hospitals and Population Studies; membership 7 Medical Faculties (Institutional Members), 4 associate members, 200 individuals; Pres. Dr. Gabriel Velásquez, Exec. Dir. Dr. Bernardo Moreno; publs. yearly bulletin from each Division.

Asociación Colombiana de Universidades—Fondo Universitario Nacional (*Colombian Universities Association—National University Fund*): Calle 13 No. 5-33; f. 1957; groups all State and Private Universities.

British Council, The (*El Consejo Británico*): Apdo. Aéreo 4682, Calle 22, No. 6-21; Rep. J. W. L. Gale, o.b.e.

Centro Interamericano de Vivienda y Planeamiento (*Inter-American Housing and Planning Center*): Apartado Aéreo 6209; f. 1951; education, research and documentation on housing problems in Latin America; runs specialised training courses for professionals in housing; Acting Field Dir. Dr. Roberto Pineda-Giraldo, Chief of Research and Education Dr. Remy Bastien, library of over 10,000 vols.; publ. *CINVA Suplemento Informativo* (monthly).

Centro Nacional de Investigaciones Agrícolas "Tibaitata" (*National Centre for Agricultural Research*): Apdo. Aéreo 5813; f. 1954.

Departamento Administrativo Nacional de Estadística (*Statistics Office*): Carrera 13, No. 13-24; f. 1923; Dir. Dr. Alberto Charry Lara; Admin. Head Ernesto Santos Serrano; publs. *Boletín Mensual de Estadística*,

Anuario General de Estadística, Anuario de Comercio Exterior, Anales de Economía y Estadística, Geografías Económicas Seccionales, Censos, and others.

Fundación Rockefeller (*Rockefeller Foundation*): f. 1919; Dir. Dr. ULISES J. GRANT.

Instituto Caro y Cuervo: Apdo. Postal 805 (Chapitero); f. 1942; Dir. Dr. JOSÉ MANUEL RIVAS SACCONI; Dep. Dir. Dr. RAFAEL TORRES QUINTERO; Sec.-Gen. Dr. FRANCISCO SÁNCHEZ ARÉVALO; Chief of Dept. of Lexicography Dr. FERNANDO ANTONIO MARTÍNEZ; Chief of Dept. of Dialectology Dr. LUIS FLÓREZ; Chief of Dept. of Bibliography Dr. RUBÉN PÉREZ ORTIZ; Chief of Dept. of Cultural History Dr. GUILLERMO HERNÁNDEZ DE ALBA; Chief of Dept. of Classical Philology Dr. JORGE PÁRAMO; publs. *Thesaurus* (three times yearly, Vol. I, 1945-), *Biblioteca de Publicaciones del Instituto* (19 vols.), *Series Minor* (9 vols.), *Clásicos Colombianos* (5 vols.), *Filólogos Colombianos* (3 vols.), *Anuario Bibliográfico Colombiano* (1951-56, 1957-58, 1959-60, 1961, 1962), *Serie Bibliográfica* (4 vols.), *Diccionario de construcción y régimen de la lengua castellana,* vols. 1-3;

Instituto Central de Medicina Legal (*Institute of Forensic Medicine*): Carrera 13, Nos. 7-30 and 7-46; f. 1914; Dir. Dr. GUILLERMO URIBE CUALLA; Sec. FRANCISCO ABELLA; publ. *Revista de Medicina Legal de Colombia.*

Instituto Colombiano de Antropología (*Colombian Institute of Anthropology*): Carrera 7A, No. 28-66, Apdo. Nacional 407; f. 1952; formerly *Instituto Etnológico Nacional;* f. 1941; Dir. Dr. MANUEL JOSÉ CASAS-MANRIQUE; Sec. MILLINA MUÑOZ; pubis. *Revista Colombiana de Antropología, Revista Colombiana de Foklore.* This Institute administers also the Museo Arqueológico Nacional and the Museo Etnográfico Nacional.

Instituto Colombiano de Especialización Técnica en el Exterior (ICETEX) (*Colombian Institute for Advanced Training Abroad*): Carrera 3A, No. 18-24, Apdo. Aéreo 5735, Bogotá; f. 1952; helps to prepare qualified leaders for all fields of Colombian life in universities of the world by means of loans and scholarships; Dir. GERARDO EUSSE HOYOS.

Instituto Cultural Colombo-Alemán: Calle 24, No. 6-31. f. 1961; Dir. Dr. W. SIEGLER.

Instituto de Ciencias Naturales (*Institute of Natural Sciences*): Apdo. 2535; f. 1938; to conduct scientific research; three main sections: botany, zoology and geology; Dir. Dr. LUIS EDUARDO MORA; publs. *Caldasia* (Natural Sciences), *Lozania* (Zoology) and *Mutisia* (Botany).

Instituto Geofísico de los Andes Colombianos (*Geophysical Institute of the Colombian Andes*): Apdo. Aéreo 5315; f. 1941; Dir. R.P. J. EMILIO RAMÍREZ, S.J.; Sub.-Dir. JOSÉ RAFAEL GOBERNA, S.J.; Librarian FRANCISCO MIRANDA; comprises:

Ionospheric Section: Estación Ionosférica; Modelo C-4; f. 1957.

Meteorological Section: Observatorio Meteorológico; formerly Observatorio Nacional de San Bartolomé; f. 1922; publ. *Anales del Observatorio, Meteorology* (periodical).

Seismic Section: Estación Sismológica; f. 1941; publ. *Boletín Sismológico* (periodical).

Other publs. *Boletín Serie C-Geología, Boletín Serie B-Meteorología, Boletín Serie A-Sismología, Earthquake History of Colombia, Seismic and Tectonic map of Colombia,* monographs, *Los Minerales Radio-Activos en Colombia, Interior de la Tierra:* specialised library of 20,000 volumes on the geology and geophysics of Colombia; rare works on geology and travels dating from 1540.

Instituto Geográfico "Agustín Codazzi": Avenida Ciudad de Quito 48-51; f. 1935; prepares topographical, cadastral and agricultural maps of the country, and geophysical and geodetic surveys; Dir. JOSÉ LUIS CADAVID.

Instituto Nacional de Cancerología: Calle 1 No. 9-85; f. 1934; clinical, therapeutic and experimental facilities; Dir. MARIO GAITÁN YANGUAS; publ. *Boletín de Cancerología.*

Instituto Nacional de Salud (*National Instutite of Health*): Calle 57, No. 8-35, Apdo. Aéreo 3495; f. 1961; Dir. Dr. LUIS ERNESTO GIRALDO.

Istituto Italiano di Cultura: Calle 24, No. 5-21; Dir. Prof. OTTAVIO MULAS.

Observatorio Astronómico Nacional (*National Astronomical Observatory*): Apdo. 2584; f. 1803; library 2,000 vols.; Dir. Ing. JORGE ARIAS DE GREIFF; publs. *Revista de la Academia Colombiana de Ciencias.*

Sociedad Colombiana de Cardiología (*Colombian Cardiological Society*): Carrera 13, No. 48-26; f. 1944; 26 mems.; Pres. Dr. A. DE FRANCISCO; Sec. Dr. H. FORERO-LAVERDE.

Sociedad Colombiana de Ingenieros (*Colombian Society of Engineers*): Carrera 4, No. 10-41; f. 1887; 1,250 mems.; library 6,720 vols.; Pres. HÉCTOR PARRA GÓMEZ; Sec. DEMETRIO VALDÉS O.; publ. *Anales de Ingeniería.*

Sociedad Colombiana de Patología: Depto. de Laboratorios, Hospital Militar Central, Trans. 5 No. 49-00; f. 1955; to improve all aspects of pathology studies; 75 mems.; Pres. Dr. EGON LICHTENBERGER, Sec. and Treas. Dr. LUIS FELIPE FAJARDO.

Sociedad Colombiana de Pediatría y Puericultura (*Colombian Pædiatrics Society*): Hospital Militar Nuevo, Transveral 5, No. 49-00, 13th Floor; f. 1917; 98 mems.; Pres. RAFAEL A. GUZMÁN; Sec. LIBORO SÁNCHEZ AYELLA; publ. *Revista* (quarterly).

Sociedad Colombiana de Psiquiatría: Aptdo. Aéreo 20553, Chapinero; f. 1961; 112 mems.; Pres. HUMBERTO ROSSELLI, Sec. PABLO PÉREZ UPEGUI; publ. *Revista Colombiana de Psiquiatría.*

Sociedad Colombiana de Radiología (*Radiological Society*): Apdo. Aéreo 5804; f. 1945; Dir. LUIS E. LOZANO BERNAL, M.D.

Sociedad de Agricultores de Colombia (*Colombian Farmers' Society*): Apdo. 2252; f. 1871; consultative body for the Government; 1,213 mems. in Bogotá, 233,000 others in remainder of the country; Pres. PEDRO BERNAL ESCOBAR; Sec.-Gen. MARÍA ESTER ARANGO DE SALINAS; publs. *Revista Nacional de Agricultura* (monthly), *Agricultura* (weekly).

Sociedad de Biología de Bogotá (*Biological Society*): Carrera 13, No. 48-26, Apdo. postal 373; f. 1942; 30 mems.; Pres. Dr. J. HERNANDO ORDÓÑEZ; Sec. Dr. FRANCISCO DE CASTRO; publ. *Anales.*

Sociedad Geográfica de Colombia (*Colombian Geographical Society*): Observatorio Astronómico Nacional, Apdo. 2584; f. 1903; 40 mems.; Pres. Ing. GABRIEL SANIN VILLA; Sec. Ing. CLEMENTE GARAVITO BARAYA; publs. *Boletín* (3 times a year), *Cuadernos de Geografía Colombiana;* principal affiliated societies: Geographical societies (Centros Geográficos) in Barranquilla, Pasto, Medellín, Tunja, Sibundoy.

Sociedad Jurídica de la Universidad Nacional (*Juridical Society of the National University*): f. 1908; Pres. ALVARO MENESE S.; Vice-Pres. ALBERTO GONZÁLES D.; Administrator LUIS ALBERTO PATIÑO; publs. *Revista Jurídica* and *Gaceta de la Universidad Nacional.*

Medellín

Colegio de Bibliotecarios Colombianos (*Librarians' Association*): Apdo. Aéreo 4052; f. 1963; professional body; 32 mems.; Pres. LUZ POSADA, LUIS-EDUARDO ACOSTA; Sec. MARIA-BEATRIZ TORO; publ. *Revista.*

Sociedad Antioqueña de Agricultores (*Farmers' Asscn.*): San Juan X Bolívar No. 50-65, Edificio del Agricultor; f. 1914; publ. *Boletín Agrícola* (monthly).

Sociedad Antioqueña de Ingenieros (*Society of Engineers*): Calle 54, No. 50-12; Ap. Aéreo 4754; f. 1944; Pres. Ing. DARÍO MORENO; Sec.-Gen. Ing. CARLOS POSADA P.; publ. *Boletín* (quarterly).

Santa María

Instituto Colombo-Alemán "Punta de Betín": f. 1965; co-operative venture between the Justus-Liebig Universität in Giessen and the Universidad de los Andes in Bogotá to study and preserve the wildlife of the Sierra Nevada and the estuary of the Magdalena river; Dir. Dr. KAUFMANN.

LIBRARIES

Bogotá

Archivo Nacional de Colombia: Biblioteca Nacional, Apdo. 2587; f. 1868; Dir. Dr. ENRIQUE ORTEGA RICAURTE; publs. *Revista* and series of historic documents.

Biblioteca de Dr. Luis A. Cuervo (*Private Library of Dr. Luis A. Cuervo*): Carrera 5, No. 12-36; 50,000 vols.

Biblioteca de Dr. Antonio Gómez Restrepo (*Private Library of Dr. Antonio Gómez Restrepo*): 50,000 vols.

Biblioteca de las Facultades Eclesiásticas de la Pontificia Universidad Javeriana: Carrera 10, No. 65-48, Bogotá 2; f. 1936; 100,000 vols.

Biblioteca del Seminario Mayor de Bogotá (*Library of the Bogotá Major Seminary*): El Chico, Bogotá 2; 15,000 vols.; Librarian P. JUAN DYACK.

Biblioteca de la Pontificia Universidad Católica Javeriana: 102,000 vols.; Librarian R.P. RAFAEL ARBOLEDA, S.J.

Biblioteca de la Universidad Nacional de Colombia: 30,000 vols.; bibliographical and documentation centre; Librarian LUCÍA BELMONTE.

Biblioteca "Luis-Angel Arango" del Banco de la República (*Bank of the Republic Library*): Calle 11 No. 4-14; f. 1932; Dir. JAIME DUARTE FRENCH; 100,000 vols., 200 MSS.

Biblioteca Nacional de Colombia (*National Library*): Calle 24, No. 5-60, Apdo. 2525; f. 1939; 350,000 vols.; 500 MSS.; Dir. Dr. ALBERTO MIRAMÓN.

Centro de Bibliografía y Documentación: Universidad Nacional, Ciudad Universitaria; Dir. LUCÍA BELMONTE.

Barranquilla

Biblioteca Pública Departamental: Carrera 38-B, No. 3821; f. 1923; 30,000 vols.; Dir. JORGE BORNACELLI.

Bello

Biblioteca del Marco Fidel Suárez: public library and regional centre.

Cali

Biblioteca Municipal del Centenario: Carrera 5a, No. 7-10; f. 1910; 22,000 vols.; Dir. ALFONSO ZAWADKY.

Itagüí

Biblioteca de Itagüí: f. 1945; 13,000 vols.; Dir. DIEGO R. ECHAVARRIA.

Medellín

Biblioteca de la Universidad Pontificia Bolivariana: Ap. Nal. 109; Ap. Aéreo 1178; 36,000 vols.; Librarian JOSÉ RODRÍGUEZ.

Biblioteca General de la Universidad de Antioquia: Calle 49, No. 48A-39; f. 1935; 140,000 vols.

Biblioteca Pública Piloto de Medellín para la América Latina (*Pilot Public Library of Medellín for Latin America*): f. 1954 and under the auspices of UNESCO; 50,000 vols.; library extension activities; Dir. RAFAEL LÓPEZ RUIZ.

Popayán

Biblioteca "Guillermo Valencia": 20,000 vols.

Biblioteca Central, Universidad del Cauca: Apdo. 113; f. 1827; 45,000 vols.; Librarian FABIO RESTREPO.

Tunja

Biblioteca Central, Universidad Pedagógica y Tecnológica de Colombia: f. 1932; 35,000 vols.; Dir. HERNANDO V. RODRÍGUEZ.

Biblioteca del Centro de Historia (*Library of the Historical Association*): 10,000 vols.

MUSEUMS

Bogotá

Museo Nacional (*National Museum*): Carrera 7a No. 28-66; f. 1824; history and art relating to the foundation of Bogotá, Spanish conquest and colonial period; collections of portraits, arms, banners, medals and coins; fine arts section. The museum also possesses a theatre and an exhibition gallery. Dir. TERESA CUERVO BORDA.

Museo Arqueológico y Etnográfico Nacional (*National Archaeological and Ethnographical Museum*): Apdo. Nacional 407; f. 1938; ceramics, stone carvings, gold objects, textiles, etc., from all districts of Colombia; is a Department of the Instituto Colombiano de Antropología; Dir. Dr. LUIS DUQUE GÓMEZ, Curator Prof. VIDAL ANTONIO ROZO.

Museo de Arte Colonial de Bogotá (*Museum of the Colonial Period*): Carrera 6a, No. 9-77; f. 1942; controlled by the Ministry of Education; paintings, sculpture, furniture, gold and silver work, drawings, etc., of the Spanish colonial period (16th, 17th, and 18th centuries); it is installed in a building erected by the Jesuits in 1602; Dir. LUIS ALBERTO ACUÑA.

Museo del Oro (*Gold Museum*): Banco de la República; f. 1939; 8,000 Colombian and pre-Colombian gold objects representing the gods, myths, and customs of the Quimbaya, Chibcha and other native Indian cultures; these collections are considered unique in the world; Founders JULIO CARO and LUIS-ANGEL ARANGO; Dir LUIS BARRIGA DEL DIESTRO; publs. *El Museo del Oro*, *Orfebrería Pre-hispánica de Colombia*.

Museo "Jorge Eliecer Gaitán": Calle 42, No. 15-32; f. 1950; collection relating to the history of Bogotá; Dir. LUISA SALAZAR V. DE DELGADO.

Quinta de Bolívar or **Museo Bolivariano** (*Bolívar Museum*): f. 1922 in the country house occupied by Simón Bolívar in 1827, where relics of the Liberator and his epoch are exhibited; is administered by the Sociedad de Mejoras y Ornato de la Ciudad de Bogotá.

Medellín

Museo de Ciencias Naturales del Colegio de San José (*Natural Science Museum*): San José College.

PUBLIC UNIVERSITIES

UNIVERSIDAD DE ANTIOQUIA

APARTADO POSTAL 229,
MEDELLÍN

Telephone: 169-63.
Telegraphic Address: Uniantioquia.

Founded 1822.

Rector: Dr. IGNACIO VÉLEZ ESCOBAR.
Secretary-General: CARLOS BARRERA DELGADO.
Librarian: JOSÉ I. GONZÁLEZ.

Number of teachers: 570.
Number of students: 4,467.
Publications: *Universidad de Antioquia, Estudios de Derecho, Antioquia Médica, Ingeniería Química, Boletín de Programas de la Emisora, Boletín del Instituto de Antropología, Ciencias Económicas, Revista Odontológica.*

DEANS:

Faculty of Law: JAIRO DUQUE PÉREZ.
Faculty of Medicine: Dr. ORIOL ARANGO MEJÍA.
Faculty of Odontology: Dr. ALBERTO ARANGO RESTREPO.
Faculty of Economics: Dr. JORGE RODRÍGUEZ ARBELAEZ.
Faculty of Chemical Engineering: Dr. HERNÁN GÓMEZ GONZÁLEZ.
Faculty of Chemical Pharmacy: Dr. DARÍO URIBE GAVIRIA.
Faculty of Education: Dr. MIGUEL ROBERTO TÉLLEZ.

UNIVERSIDAD DEL ATLÁNTICO

CARRERA 43, No. 50-53,
APARTADO AÉREO 1890,
BARRANQUILLA

Telephone: 13-513.

Founded 1941.

Rector: Dr. ELBERTO GONZÁLEZ-RUBIO.
Secretary-General: Dr. CARLIN NIETO CARROLL.
Librarian: JOSEFINA JIMÉNEZ.

Number of teachers: 140.
Number of students: 957.
Publication: *"Studia" Revista de la Universidad.*

DEANS:

Faculty of Economics: JOSÉ A. MEDINA.
Faculty of Pharmacy and Chemistry: Dr. VÍCTOR NASSAR.
Faculty of Law and Political Science: Dr. MIGUEL BOLÍVAR.
Faculty of Chemical Engineering: Dr. ERNESTO CORTISSOZ.
Faculty of Architecture: Dr. ADOLFO FALQUEZ.

PROFESSORS:

Faculty of Economics:
ARELLANA, DANILO, Accountancy
FUENTES, OSCAR, Accountancy
LLINAS, FERNANDO, Monetary Economics
MEDINA, NICOLÁS, Econometrics
SANTIAGO, CÉSAR, Mathematics and Statistics
ZAPATA, CÉSAR, Accountancy

Faculty of Pharmacy and Chemistry:
CARRILLO, FERNANDO, Bromatology
CRISSIEN, CARLOS, Pharmaceutical Chemistry
DAZA, JAIME, Organic Chemistry
ESCOLAR, EDUARDO, General Chemistry and Physical Chemistry
STEVENSON, JOSÉ, Mathematics and Physics

Faculty of Law and Political Science:
No full professors

Faculty of Chemical Engineering:
ALEMÁN, MARIO, Organic Chemistry, Petroleum Analysis
ARRÁZOLA, IGNACIO, Inorganic Chemistry
CIFUENTES, JORGE, Physics
DE FEX, RAFAEL, Physical Chemistry
DE LA HOZ, LUIS, Units Operation—Algebra
ESCOLAR, EDUARDO
MINA, ADRIANO, Organic Qualitative Chemistry, Differential Equations

Faculty of Architecture:
CARREÑO, MARCO T., Physics, Algebra Analysis, Mathematical Analysis
GHIARDO, RAÚL, Construction
SUÁREZ, WALTER, Descriptive Geometry

AFFILIATED ORGANISATIONS:

Institute of Economic Research.
Director: Dr. JOSÉ A. MEDINA.

School of Music.
Director: Prof. PEDRO BIAVA.

School of Painting.
Director: ALEJANDRO OBREGÓN.

Institute of Scientific Research.
Director: Dr. ARMANDO DUGAND G.

UNIVERSIDAD DE CALDAS

MANIZALES

Telephone: 32-51 to 32-56.
Telegraphic Address:
Universidad de Caldas.

Founded 1950.

Rector: Dr. ERNESTO GUTIÉRREZ ARANGO.
Secretary-General: ARTURO JARAMILLO.
Librarian: GLORIA ESTRADA ROBLEDO.

The library contains 7,000 volumes.
Number of teachers: 170.
Number of students: 1.044.

DEANS:

Faculty of Philosophy and Letters: Lic. JULIO C. MORALES.
Faculty of Law: Dr. CÉSAR GÓMEZ ESTRADA.
Faculty of Agronomy: Dr. GONZALO SANINT MEJÍA.
Faculty of Veterinary Science: DIEGO VILLEGAS T.
Faculty of Medicine: Dr. ENRIQUE MEJÍA.

Department of Fine Arts.
Director: GABRIEL JARAMILLO ARANGO.

Department of Languages.
Director: Prof. ANTONIO CARDONA LONDOÑO.

UNIVERSIDAD DE CARTAGENA

APARTADO POSTAL 195,
CARTAGENA

Founded 1827.

Rector: Dr. ELÍAS RAMÓN MACÍA.
Secretary-General: Dr. ALCIDES ANGULO PASOS.
Librarian: FANNY PELÁEZ.

The library contains 20,000 volumes.

DEANS:

Faculty of Law: Dr. SENÉN GONZÁLEZ GUERRA.
Faculty of Medicine: Dr. ABEL DUEÑAS-PADRÓN.
Faculty of Engineering: TEOFRASTO TATIS.
Faculty of Chemistry and Pharmacy: GERMÁN COVO TONO.
Faculty of Odontology: J. RUEDA.
Faculty of Economics: GUMERSINDE SERJE.
School of Nursing: MATILDE VILLEGAS CANO.

HEADS OF DEPARTMENTS:

Humanities: Dr. ROBERTO BURGOS OJEDA.
Mathematics: ALVARO RUEDA.
Physics: JOSUÉ MUÑOZ.
Physiology: ROBERTO LLAMAS MENDOZA.
Morphology: Dr. C. CRUZ.
Chemistry: ALBERTO PUENTE.
Preventive Medicine: Dr. ABEL DUEÑAS PADRÓN.

UNIVERSIDAD DEL CAUCA

POPAYÁN

Founded 1827.

Rector: Dr. MIGUEL ANGEL ZÚÑIGA.
Secretary-General: ARY JOSÉ LUNA.
Librarian: FABIO RESTREPO.

Number of teachers: 141.
Number of students: 1,540.
Publications: *Universidad del Cauca, Popayán, Novedades Colombianas.*

DEANS:

Faculty of Law and Political Sciences: Dr. JORGE ILLERA FERNÁNDEZ.
Faculty of Civil Engineering: Ing. A. GÓMEZ MUÑOZ.
Faculty of Medicine: Dr. JAIME LÓPEZ RUIZ.
Faculty of Electronic Engineering: Dr. BORIS IGNACIO PLAZAS.

SCHOOLS AND INSTITUTES:

Conservatory of Music.
Director: Prof. WOLFGANG SCHNEIDER.

Central Archives of Cauca.
Director: JOSÉ M. ARBOLEDA.

School of Arts and Crafts.
Director: SILVIO CABRERA.

Colonial Art Museum.
Director: CARMENZA ARAGÓN B.

Natural History Museum.
Director: CARLOS LEHMMAN.

UNIVERSIDAD NACIONAL DE COLOMBIA

(National University of Colombia)

CUIDAD UNIVERSITARIA, BOGOTÁ

Telephone: 442768.

Founded 1573.

Rector: Dr. JOSÉ FÉLIX PATIÑO.
Academic Secretary: Dr. JORGE ELIÉCER RUIZ.
Registrar: Dr. JOSÉ M. DE GUZMÁN.

Number of students: 5,000.

DEANS:

Faculty of Agriculture: Dr. JOSÉ PABLO LEYVA.
Faculty of Architecture: Arq. ARTURO ROBLEDO OCAMPO.
Faculty of Economics: Dr. EDUARDO SUÁREZ GLASSER.
Faculty of Law and Political Sciences: Dr. HERNANDO MORALES.
Faculty of Pharmacy: Dr. EDUARDO CALDERÓN GÓMEZ.
Faculty of Philosophy and Letters: Dr. RAFAEL CARILLO LÚQUEZ.
Faculty of Education: Dr. RAFAEL BERNAL JIMÉNEZ.
Faculty of Civil Engineering: Ing. HERNANDO CORREAL.
Faculty of Mathematics: Dr. ARTURO RAMÍREZ MONTÚFAR.
Faculty of Medicine: Dr. ALEJANDRO JIMÉNEZ.
Faculty of Veterinary Science: Dr. ERNESTO WILLS.
Faculty of Odontology: Dr. LUIS EDUARDO ARGÜELLO.
Faculty of Chemical Engineering: Dr. SVEN ZETHELIUS.
Faculty of Psychology: Dr. JORGE GIRALDO ANGEL.
Faculty of Sociology: Dr. ORLANDO FALS BORDA.
Faculty of Agriculture and Forestry Institute (Medellín): Dr. CARLOS GARCÉS OREJUEL.
Faculty of Architecture (Medellín): Arq. FABIO RAMÍREZ ARANGO.
Faculty of Agriculture (Palmira): Dr. EFRÉN CABAL MARTÍNEZ.
Faculty of Engineering (Manizales): Dr. JORGE MANRIQUE LONDOÑO.
Faculty of Nursing: AMINTA NAVAS URIBE.

PROFESSORS:

Faculty of Medicine:
AGUILERA, ALVARO
BARRAGÁN, JESÚS M.
BELTRÁN, RAÚL
BERNET, JORGE E.
CÁCERES, EDUARDO
CADENA, DARÍO
CARO, ALVARO
CASASBUENAS, JAIME
CASAS M., RAFAEL
CEDIEL, RICARDO
CORTÉS MENDOZA, EDUARDO
COVELLI, HUGO
CUERVO T., CARLOS
DE FRANCISCO, ADOLFO
DEL PORTILLO, HERNANDO
DUQUE, MARCOS
FAJARDO, LUIS F.
FLORES, TORIBIO
FORERO NOUGUES, LUIS
GALINDO, JANUARIO
GUERRERO, ROBERTO
LICHTEMBERGER, EGON
MÉNDEZ, ALFONSO
MENDOZA, CÉSAR
MILLÁN RODRÍGUEZ, FRANCISCO
MONTAÑA, LUIS D.
MORA, RUBIO J.
OSORNO MESA, ERNESTO
PAREDES, RAÚL
PATIÑO, JOSÉ F.
POSADA SARMIENTO, EMILIO
RESTREPO, GUILLERMO
RONDEROS, ALVARO
SÁNCHEZ, CLAUDIO
SÁNCHEZ, MANUEL
SORIANO LLERAS, ANDRÉS
TRIANA C., SANTIAGO
VELASCO, ALVARO
VILLAREAL, JORGE
YUNIS TURBAY, JOSÉ

Faculty of Odontology
CADENA, DARÍO
DE KULNIS, BÁRBARA
SÁNCHEZ, CLAUDIO
TORRES PINZÓN, RAFAEL

Faculty of Veterinary Medicine and Zootechnics:
ALBORNOZ, JORGE E.
ARENAS BONILLA, JAIME
BACCA, CARLOS ARTURO
BELALCAZAR, CARLOS E.
DÍAZ GARAY, GERMÁN
D'ORSONVILLE, MARIO
FANDIÑO, CARLOS J.
GONZÁLEZ QUINTANA, RAFAEL
HENAO SÁENZ, PABLO
LUQUE FORERO, GONZALO
PACHECO PÉREZ, DANIEL
REVEREND, JOSÉ A.
SANDINO, RICARDO
SEGURA, AUGUSTO

Faculty of Economics:
CABRERIZO, EDUARDO
CARDENAS GARCÍA, JORGE
DAZA ROA, ALVARO
GONZÁLEZ SANTOS, JAIME
SARMIENTO, LUIS
VON GLEICH, ALBERT

Faculty of Psychology:
Number of professors: 3

Faculty of Sociology:
Number of professors: 4

Faculty of Architecture:
CHICA PINZÓN, HUMBERTO
MAYO CAICEDO, CAMILO
NEIRA MARTÍNEZ, ALONSO

Faculty of Pharmacy:
CLEMENS, HAYOZ
GAVIRIA, LUIS E.
OSPINA MELO, MARIO
OTALORA ROJAS, ANTONIO
RODRÍGUEZ, ALFONSO
THEIKUHL, JUAN F.

Faculty of Philosophy and Letters:
BERGMAN, ANTONIO
CARILLO, RAFAEL (*Dean*)
DE NUÑEZ, GERDA
HERNÁNDEZ, HERNÁN
JARAMILLO, JAIME
MORA RUBIO, MARY
ROCHESTER, HOWARD
VÉLEZ SÁENZ, JAIME

Faculty of Law:
ARENAS, ANTONIO V.
BETANCOURT REY, MIGUEL
MORALES, DR. HERNANDO (*Dean*)

Faculty of Engineering:
ARIAS DE GRIEFF, JORGE
AYCARDI, LUIS G.
BERNAL, GERMÁN
BOMHARD, MARIJÁN
CASTILLO, GUILLERMO
CORREAL, HERNANDO
DÍAZ S., GUILLERMO
GARAVITO, SANTIAGO
GONZÁLEZ B., ALVARO
GUZMÁN, ABDÍAS
HERKRART, JUAN
ISAZA, JAIME
JIMÉNEZ, GONZALO
KERPEL, ENRIQUE
LÓPEZ, JAIME
LUTZ, MARTÍN
MORALES A., OCTAVIO
NEIRA, HERNANDO
OBREGÓN, ERNESTO
ROCHA, JULIO R.
RODRÍGUEZ, JAIME
RODRÍGUEZ F., CARLOS
SÁNCHEZ, JORGE A.
SANDINO, ALEJANDRO
SOMA, SHINZAM
TÉLLEZ, CARLOS

Faculty of Education:
Number of professors: 3

Department of Humanities:
Number of professors: 10

Faculty of Chemical Engineering:
Number of teachers: 27.

Faculty of Nursing:
Number of professors: 18

AFFILIATED FACULTIES:

Faculty of Agriculture and Forestry Institute, Medellin.
Number of teachers: 26.

Faculty of Agriculture, Palmira.
Number of teachers: 26.

Faculty of Architecture, Medellin.
Number of teachers: 13.

Faculty of Civil Engineering, Manizales.
Number of teachers: 21.

Faculty of Mining, Medellin.
Number of teachers: 20.

AFFILIATED ORGANISATIONS:

National Conservatory of Music, Bogotá.
Director: FABIO GONZÁLEZ ZULETA.

School of Fine Arts, Bogotá.
Director: Dr. EUGENIO BARNEY CABRERA.

School of Public Health.
Director: Dr. SANTIAGO RENGIFO S.

Institute of Natural Sciences, Bogotá.
Number of teachers: 7.

Institute of Labour Legislation, Bogotá.
Director: Dr. CROTATAS LONDOÑO.
Number of teachers: 7.

Institute of Penology, Bogotá.
Director: Dr. JORGE E. GUTIÉRREZ.
Number of teachers: 12.

Radium Institute.
Director: Dr. CÉSAR PANTOJA.

Observatorio Astronómico.
Director: Dr. JORGE ARIAS DE GRIEFF.

UNIVERSIDAD DISTRITAL
("Francisco José de Caldas")

CARRERA 8, No. 40-78, BOGOTÁ

Founded 1948.

Rector: CORNELIO REYES.
Secretary-General: Dr. ARMANDO CASTAÑEDA V.
Librarian: ARLEY AGUDELO C.

The library contains 1,500 volumes.
Number of teachers: 105.
Number of students: 750.

DEANS:

Faculty of Electronic Engineering: HERNANDO MEDELLÍN.
Faculty of Forestry Engineering: KARL KEHR.
School of Topography and Cadastral Topography: CARLOS GAVIRIA (Director).

UNIVERSIDAD PEDAGÓGICA NACIONAL FEMENINA
(National Pedagogical University for Women)

CALLE 72, No. 11-60, BOGOTÁ

Founded 1951.

Rector: Lic. IRENE JARA DE SOLÓRZANO.
Secretary-General: CARMEN PARRA FLÓREZ.
Librarian: LEONOR RODRÍGUEZ DE RODRÍGUEZ.

DEANS:

Faculty of Phililogy and Languages: Dr. JOSÉ DARÍO ABREU J.
Faculty of Psychology and Education: BEATRIZ ARBOLEDA DE VALENCIA.
Faculty of Biology and Chemistry: MARINA RUEDA DE NORIAGA.
Faculty of Social Science and Economics: Dr. LEONARDO PÉREZ CASTILLO.
Faculty of Physics and Mathematics: Dr. ARTURO CAMARGO CASTRO.

UNIVERSIDAD FEMENINA DE SANTANDER

BUCARAMANGA, SANTANDER

Founded 1964.

Rector: ALICIA RICO DE PINZÓN.

UNIVERSIDAD INDUSTRIAL DE SANTANDER
(Industrial University of Santander)

APARTADO AÉREO 678, BUCARAMANGA, SANTANDER

Telephone: 56141.
Telegraphic Address: Universidad, Bucaramanga.

Founded 1948.

Rector: Dr. JUAN F. VILLAREAL.
General Secretary: LUIS SERRANO.
Librarian: MARIO HENAO.

Number of teachers: 90.
Number of students: 900.
Publications: *Revista de la Universidad Industrial de Santander, Boletín de Geología, Boletín Informativo de la U.I.S., Revista de Ingeniería Industrial.*

DEANS:

School of Chemical Engineering: Ing. ALFREDO NAVARRO.
School of Electrical Engineering: Ing. ROBERTO JAIMES.
School of Industrial Engineering: Ing. GUSTAVO FORERO.
School of Mechanical Engineering: Ing. HERNÁN ACERO.
School of Metallurgical Engineering: Ing. LUIS F. SOLANO.
School of Petroleum Engineering: Ing. PEDRO FERNANDEZ.

DIRECTORS:

Civil Engineering Department: Ing. EDUARDO MORENO.
Mathematics and Physics Department: Lic. ALVARO RUEDA.
Humanities Department: LUIS SERRANO.
Planning Department: Arch. CARLOS VIRVIESCAS.

Division of Scientific Research.

Head: Ing. ALFREDO NAVARRO.

The Division consists of the following sections:

Institute of Pure and Applied Research.
Dir. Ing. WILFRIDO MONTAGUT.

Institute of Industrial Consultation.
Ing. ENRIQUE SERRANO.

Institute of Colombian Standards.
Dir. Ing. LUIS ARAMBURO.

General Library.
Dir. HERNÁN VERA.

Department of Scientific Publications and Exchange.
Dir. Ing. RAFAEL ORTIZ.

Centre of Documentation and Information.
Dir. CLARE DE SILVA.

PROFESSORS:

ALVAREZ CERÓN, JOSÉ, Mathematics, Statistics
ALVAREZ CERÓN, JULIO, Industrial Organisation, Ferrous Metals
ARAMBURO, LUIS, Strength of Materials
BARRERA LARRARTE, ALVARO, Thermodynamics
BARRERA RUEDA, ALVARO, Chemical Engineering
DE PORTA, JAIME, Geology
DUARTE PACHECO, CIRO, Non-Ferrous Metallurgy
FERNÁNDEZ, PEDRO, Refining, Natural Gas
GARCÍA ARENAS, JAIME, Quantitative Chemical Analysis
LOBO CARVAJALINO, LUIS, Machine Design
MAMITZA, FEDERICO, Mathematics
MEJÍA VALENZUELA, FERNANDO, Fluid Mechanics
MOTILLA, AGUSTÍN, Structures
NOVALES, ANTONIO, Mathematics
PRADILLA SORZANO, JAIME, Physical Chemistry
RUIZ PALACIO, JAIRO, Engineering and Building
SPACHOVSKY, WILHELM, Electrical Machinery
TRAPP, GUNTER, Physics

UNIVERSIDAD DE NARIÑO

PASTO, NARIÑO

Telephone: 16-52, 16-53.
Telegraphic Address: Unarino.

Founded in 1827 as Colegio Provincial by General Francisco de Paula Santander; later named Colegio Académico. By Decree No. 49 dated 1904, the foundation was raised to the status of a university with the present name.

Rector: ALFONSO ORTIZ SEGURA.
Secretary-General: LUIS ANTONIO ERASO GALLARDO.
Librarian: Lic. ADELFA ROJAS PALACIOS.

The library contains 8,000 volumes.
Number of teachers: 122.
Number of students: 1,700.
Publications: *Anales de la Universidad de Nariño, Foro Universitario, Boletín Informativo y Bibliográfico.*

DEANS:

Faculty of Law: Dr. GONZALÓ SOLARTE VACCA.
Faculty of Education: Padre PABLO DE ARMA.
Institute of Agricultural Technology: Dr. JAVIER ESPARZA DUQUE.

DIRECTORS:

School of Painting: Dr. ARNULFO GUERRERO R.
School of Music: GONZALO ROJAS.
Male Students: JORGE MESIAS C.
Women Students: Mother LUCÍA LASERNA.

UNIVERSIDAD DEL TOLIMA

APDO. AÉREO No. 546, IBAGUÉ

Telephone: 32544.

Founded 1954.

Rector: Dr. NÉSTOR HERNANDO PARRA.
Secretary-General: LUIS HERNANDO RODRÍGUEZ.
Librarian: ORLANDO ARBOLEDA.

Number of teachers: 72 (17 part-time).
Number of students: 550 full-time, 335 part-time.

DEANS:

Faculty of Agronomic Engineering: Ing. Agr. JAIME PARRA ARCE.
Faculty of Forestry Engineering: Ing. For. JOSÉ HIPÓLITO CAMARGO.
Faculty of Veterinary Medicine and Zootechnics: Dr. BERNARDINO RODRÍGUEZ URREA.
Faculty of Sciences and Arts: Ing. Civ. EDGAR PERILLA.

Higher Polytechnic Institute.

Director: Ing. Civ. RICARDO GAMBOA.

UNIVERSIDAD DEL VALLE

APARTADOS: AÉREO 2188, Nal. 439 CALI

Telephone: 55140-55149.

Founded 1945.

Rector: Dr. MARIO CARVAJAL.
Secretary-General: Dr. OSCAR GERARDO RAMOS.

Library Director: JOHN G. VEENSTRA.

Number of professors: 333.

Number of students: 2,526.

The library contains 35,113 volumes.

Publications: *Informaciones, Prospecto anual de la Universidad, Biblioteca Universidad del Valle.*

DEANS:

Faculty of Architecture: Dr. HAROLD BORRERO U.

Engineering Division: TEODORO ECHEVERRI.

Faculty of Chemical Engineering: VICTOR TEJADA.

Faculty of Electrical Engineering: ESPIRITUSANTO POTES.

Faculty of Mechanical Engineering: Dr. FRANCISCO PALACIOS.

Faculty of Sanitary Engineering: Ing. DELMAR GUTIÉRREZ.

Faculty of Medicine: Dr. GABRIEL VELÁZQUEZ P.

Faculty of Economics: Dr. REINALDO SCARPETTA.

Faculty of Humanities: Dr. OSCAR GERARDO RAMOS.

Faculty of Education: Dr. JOSUÉ ANGEL.

Dean of Students: Dr. TULIO RAMÍREZ.

Dean of Studies: Dr. ALFONSO OCAMPO.

DIRECTORS:

Engineering Division:

Department of Civil Engineering: Ing. GILBERTO RODRÍGUEZ.

Department of Chemistry: Ing. Q. EDGARD MARTINA.

School of Electronic Technology: Ing. JAIME GRU.

School of Topography: Ing. GONZALO DIEZ.

School of Chemical Laboratory: Ing. Q. EDGARD MARTINA.

Faculty of Medicine:

Department of Biology: Dr. JOSÉ J. BORRERO.

Department of Physiological Sciences: Dr. LUIS M. BORRERO.

Department of Surgery: Dr. ALEX COBO.

Department of Preventive Medicine: Dr. EDGAR MUÑOZ.

Department of Morphology: Dr. HUMBERTO GÓMEZ.

Department of Nutrition: Dr. LEONARDO SINISTERRA.

Department of Pathology: Dr. PELAYO CORREA.

Department of Psychiatry: Dr. CARLOS LEÓN.

Department of Internal Medicine: Dr. JORGE ARAÚJO.

Department of Pediatrics: Dr. JAIME KORGI.

Department of Obstetrics and Gynæcology: Dr. JORGE ESCOBAR.

Faculty of Architecture:

Department of Construction: Arq. JESÚS A. VELOSA.

Department of Composition: Arq. CARLOS AGUIRRE.

Department of History: Arq. ANTONIO GURISATTI.

Department of Town Planning: Dr. PEDRO P. MORCILLO.

Department of Urbanism: Arq. ARMANDO VELASCO.

Faculty of Humanities:

Department of History: (Vacant).

Department of Letters: (Vacant).

Department of Philosophy: (Vacant).

Department of Music: Prof. LEÓN J. SIMAR.

ASSOCIATED INSTITUTES AND SCHOOLS:

Institution of Construction: Dir. Arq. JOSÉ I. VÁSQUEZ.

School of Nursing: Dir. GRACE MORGAN.

School of Medical Laboratory Technology: Dir. Dr. LUIS GONZÁLES MUGABURU.

UNIVERSIDAD PEDAGÓGICA Y TECNOLÓGICA DE COLOMBIA

(Pedagogical and Technological University of Colombia)

TRUNJA, BOYACA

Telephone: 21-74.

Founded 1953.

Rector: Dr. RAFAEL BERNAL JIMÉNEZ.

Secretary-General: Dr. BOSSUET GÓMEZ FERNÁNDEZ.

Head Librarian: FERNANDO RODRÍGUEZ PINZÓN.

Number of teachers: 60.

Number of students: 2,737.

DEANS:

Faculty of Education: Dr. ULISES ROJAS.

Comprising five Departments:

Department of Education and Philosophy.
Head: Lic. VALENTÍN VANARCKEN.

Department of Social Science and Economics.
Head: Lic. JOSÉ AUGUSTÍN BLANCO.

Department of Philology and Languages.
Head: Dr. JESÚS OBANDO MARTÍN.

Department of Biology and Chemistry.
Head: Dr. JOSÉ GABRIEL GARCÍA.

Department of Mathematics and Physics.
Head: Lic. HERNANDO MESA NUNCIRA.

Faculty of Agriculture: Dr. JORGE CASTRO.

Institute of Higher Technology: Dr. JESÚS ERNESTO GARCÍA BRICEÑO.

Institute of Scientific Research: Dr. JOSÉ ESTILIANO ACOSTA.

INSTITUTES AND SCHOOLS:

(Dependencies of the University)

Teachers' Training College for Men, Varones.
Director: Dr. SAMUEL CAMARGO URIBE.

Teachers' Training College for Women, Varones.
Director: Lic. EMMA ROSA DE OSPINA.

Technical Teachers' Training College,
Director: Capt. DEMETRIO SALAMANCA.

Agricultural Teachers' Training College, Paipa.
Director: Dr. JORGE DE ANTONIO.

Rural Vocational Training School.
Director: Dr. JORGE DE ANTONIO.

Institute of Anthropology and History, Sogamoso.
Director: Dr. ELIÉCER SILVA CELIS.

Institute of Studies of Indigenous Tribes, Sogamoso.
Director: Dr. ELIÉCER SILVA CELIS.

UNIVERSIDAD TECNOLÓGICA DE PEREIRA

(Pereira Technological University)

CARRERA 13, No. 18-56,
APARTADO AÉREO 97,
PEREIRA

Telephone: 7340.

Founded 1960.

Rector: Dr. JORGE ROA MARTÍNEZ.

Secretary: ARMANDO ESCOBAR MUÑOZ.

Dean of Studies: Dr. MANUEL CHAPARRO BELTRÁN.

Librarian: Lic. HARVEY DELGADO GÓMEZ.

Number of teachers: 24.

Number of students: 400.

DEANS:

Faculty of Electrical Engineering: Dr. MARIO DEVIS ECHANDÍA.

Faculty of Mechanical Engineering: Dr. JAIRO MELO ESCOBAR.

Faculty of Industrial Engineering: Dr. JULIO PALACIOS TOBÓN.

HEADS OF DEPARTMENTS:

Department of Physics and Mathematics: Dr. PABLO OLIVEROS MARMOLEJO.

Department of Chemistry: Dr. ROBERTO VALENCIA PATINO.

Department of Technical Drawing: Dr. EDUARDO GONZÁLEZ ARBELÁEZ.

PRIVATE UNIVERSITIES

UNIVERSIDAD DE AMERICA

CALLE 10, No. 6-44,
BOGOTÁ

Telephone: 436-057.

Founded 1952.

Rector: LUIS CARRERA C.
Secretary-General: Dr. IGNACIO TAVERA PLATA.
Librarian: ELVIRA DE GONZALEZ.

DEANS:

Faculty of Economics: PEDRO GÓMEZ VALDERRAMA.
Faculty of Architecture: Arq. GABRIEL ANDRADE LLERAS.
Faculty of Industrial Engineering: JORGE FORCADAS.

DEPARTMENTS:

Department of Mechanical Engineering.
Director: Dr. JOSÉ LUIS ALVA.

Department of Petroleum Engineering.
Director: Dr. LUIS MENDOZA NATES.

Department of Chemical Engineering.
Director: Dr. JORGE BONILLA.

SCHOOLS:

School of Topography.
Director: GUILLERMO CACERES.

School of Journalism and Publicity.
Director: IGNACIO RAMIREZ SANCHEZ.

School of Architectural Draughtsmanship.
Director: ALICIA LOZANO.

UNIVERSIDAD LIBRE SECCIONAL DEL ATLÁNTICO

(The Free Sectional Atlantic University)

CARRERA 46, No. 64-53,
BARRANQUILLA

Founded 1956.

Dean: Dr. JULIO SALGADO VÁSQUEZ.
Secretary: NELLIT ABUCHAIBE.

DEAN:

Faculty of Law: Dr. JULIO SALGADO VÁSQUEZ.

Dependency of the Universidad Libre of Bogotá.

FUNDACIÓN UNIVERSIDAD DE BOGOTÁ

"Jorge Tadeo Lozano"

CARRERA 7, No. 23-08, BOGOTÁ

Telephone: 43 53 89, 34 14 83.
Telegraphic Address: Unibogotá.

Founded 1954.

Rector: Dr. FABIO LOZANO Y LOZANO.
Director of Public Relations and Secretary-General: Dr. Prof. JOAQUÍN MOLANO CAMPUZANO.
Librarian: JUAN PABLO RODRÍGUEZ.

Number of teachers: 150.
Number of students: 1,200.
Publication: *Hechos y Noticias* (monthly).

DEANS:

Faculty of Economic Sciences: DELIO JARAMILLO ARBELÁEZ.
Faculty of Natural Resources: CARLOS LLERAS DE LA FUENTE.
Faculty of Geography: JOSÉ IGNACIO RUIZ.
Faculty of Marine Science: LUIS ORTIZ BORDA.
Faculty of Accountancy: CARLOS BARBOSA ROCA.

UNIVERSIDAD PONTIFICIA BOLIVARIANA

APDO. NACIONAL 109, MEDELLÍN

Founded 1936.

Rector Magnífico: Mons. FÉLIX HENAO BOTERO.
Secretary-General: Dr. DARÍO PIEDRAHITA A.

Library: *see under* Libraries.
Number of teachers: 434.
Number of students: 5,576.
Publications: *Revista Universidad Pontificia Bolivariana, Revista de la Facultad de Derecho de la Universidad Pontificia Bolivariana, Revista de la Facultad de Filosofía y Letras.*

In addition to the following faculties for men, there is a Women's Faculty of Art and Decoration, attached to the Colegio del Sagrado Corazón.

DEANS:

Faculty of Philosophy and Letters: Rev. Mother TERESA MEDINA, O.D.N.
Faculty of Education: Rev. Mother TERESA MEDINA, O.D.N.
Faculty of Art: Rev. Mother M. DÁVILA, R.S.C.J.
Faculty of Humanities: Rev. Mother M. DÁVILA, R.S.C.J.
Faculty of Law and Political Science: Dr. CARLOS ARANGO HOYOS.
Faculty of Social Sciences: Dr. JESÚS MARÍA SIERRA ROJAS.
Faculty of Chemical Engineering: Dr. LUIS GUILLERMO ORTIZ CAMPUZANO.
Faculty of Architecture and Town Planning: Dr. HERNANDO BOTERO MÉNDEZ.
Faculty of Electrical Engineering: Dr. ALBERTO PIEDRAHITA.
Faculty of Mechanical Engineering: Dr. ELKIN BAENA SIERRA.
Faculty of Social Service: STELLA JARAMILLO.
Baccalaureate Course: R.P. JAVIER PIEDRAHITA ECHEVERRI.

DIRECTORS:

Medellín Preparatory Course: EDUARDO CORREA.
American Preparatory Course: FABIO VALENCIA R.
Commercial School: Dr. CARLOS BETANCURT ARIAS.
Workers' Night Classes: Dr. ALBERTO VILLA.

UNIVERSIDAD EXTERNADO DE COLOMBIA

CARRERA 16, No. 24-45,
BOGOTÁ

Telephone: 415181.

Founded 1886.

Rector: Dr. RICARDO HINESTROSA DAZA.
Secretary-General: Dr. MANUEL CUBIDES ROMERO.
Librarian: IRMA RAMÍREZ.

Number of professors: 6.
Number of students: 500.
Publication: *Revista de la Facultad de Derecho.*

DEAN:

Faculty of Law and Political Sciences: Dr. RICARDO HINESTROSA DAZA.

UNIVERSIDAD LA GRAN COLOMBIA

CARRERA 6, No. 13-92, BOGOTÁ

Founded 1951.

Rector: Dr. MARIO FRANCO RUIZ.
Secretary-General: Dr. EMIGDIO RINCÓN GÓMEZ.

DEANS:

Faculty of Law: ABELARDO POSADA RIVEROS.
Faculty of Architecture: HENRY HENAO JARAMILLO.
Faculty of Economics: Dr. JOSÉ HERNÁN GÓMEZ OCAMPO.
Faculty of Civil Engineering: Dr. VICENTE URIBE URIBE.
Faculty of Philosophy, Letters and Sciences of Education: RODRIGO NOGUERA LABORDE.

PONTIFICIA UNIVERSIDAD JAVERIANA

CARRERA 7A, No. 40-62,
APARTADO POSTAL 445,
AÉREO 5315, BOGOTÁ

Telephone: 455024.

Founded 1622 by the Jesuit Fathers; re-established 1931 and raised to the status of a Pontifical University 1937.

Grand Chancellor: R.P. JUAN B. JANSSENS, S.J.
Vice-Grand Chancellor: R.P. EDUARDO BRICEÑO, S.J.
Rector: R. P. JESÚS EMILIO RAMÍREZ, S.J.
Secretary-General: Dr. LUIS FERNANDO GUTIÉRREZ.
Registrar: R.P. HERNÁN POSADA, S.J.

Librarian: R.P. RAFAEL ARBOLEDA, S.J.

Library: *see under* Libraries.

Number of teachers: 586.

Number of students: 3,659 full-time, 2,488 part-time.

Publications: *Ecclesiastica Xaveriana, Universitas Médica, Síntesis, Hoy en la Javeriana.*

DEANS:

Faculty of Theology: R.P. CARLOS BRAVO, S.J.
Faculty of Philosophy: R.P. JAIME VÉLEZ, S.J.
Faculty of Canon Law: R.P. JAIME BERNAL, S.J.
Faculty of Law and Economic Sciences: R.P. GABRIEL GIRALDO, S.J.
Faculty of Medicine: R.P. EDUARDO BORDA, S.J.
Faculty of Odontology: R.P. HERMAN PERALTA, S.J.
Faculty of Civil Engineering: R.P. GABRIEL MALDONADO, S.J.
Faculty of Electronic Engineering: R.P. WLADIMIRO ESCOBAR, S.J.
Faculty of Social Sciences: R.P. JORGE BETANCURT.
Faculty of Architecture: R.P. ALFONSO BORRERO, S.J.
Faculty of Philosophy and Letters: R.P. AUGUSTO ORDÓÑEZ, S.J.
Faculty of Nutrition and Dietetics: MARGARITA DE TRIPP.

PROFESSORS:

Faculty of Theology:
ANDRADE, VICENTE, S.J., Pastoral Theology, Sociology
ARENAS, ALBERTO, S.J., Dogma
BRAVO, CARLOS, S.J., Scripture, Hebrew, Biblical Greek
EGUREN, JUAN A., S.J., Moral Theology
GIRALDO, GABRIEL, S.J., Ecclesiastical History
GONZÁLEZ, GUILLERMO, S.J., Fundamental Theology
OSPINA, EDUARDO, S.J., Christian Archæology
RAMÍREZ, LUIS CARLOS, S.J., Dogma
RUGGERI, IGNACIO, S.J., Dogma
SICARD, IGNACIO, S.J., Moral Theology, Canon Law
VELÁSQUEZ, FERNANDO, S.J., Dogma
ZULUAGA, EFRAIM, S.J., Dogma

Faculty of Philosophy:
ANDRADE, VICENTE, S.J., Sociology
GONZÁLEZ, GUSTAVO, S.J., Introduction to Philosophy, Logic
MANKELUNAS, MATEO, Pbro., Philosophy of Sciences
NORIEGA RUEDA, JORGE, S.J., Ontology
URIBE, LORENZO, S.J., Rational Psychology, Cosmology, Biology
VÉLEZ, JAIME, S.J., Contemporary Philosophy

Faculty of Canon Law:
ARBOLEDA, JOSÉ R., S.J., Sociology
NOGUERA LABORDE, RODRIGO, Philosophy of Law
RESTREPO, LIBORIO, S.J., Methodology
RIVERA CONCHA, ALVARO, Modern Colombian Ecclesiastical Law
UPRIMNY, LEOPOLDO, School Texts
WILCHES, FÉLIX M., O.F.M., Canonical Writings
YEPES, JESÚS M., International Law

Faculty of Law and Economic Sciences:
BENAVIDES PATRÓN, JUAN, Procedure—Labour Law
CAMACHO AMAYA, FRANCISCO, Labour Law
CARO ESCALLÓN, LUIS, Probate Law
CEDIEL ANGEL, ERNESTO, Civil Procedural Law
ECHEVERRI VARGAS, ANGEL C., Commercial Law
ESCALLÓN VARGAS, ERNESTO, Civil Law
ESGUERRA SAMPER, JOSÉ M., Procedural Law
GAITÁN MAHECHA, BERNARDO, Criminal Procedural Law
GÓMEZ HURTADO, ALVARO, Political Theory
GÓMEZ OTALORA, HERNANDO, Civil Law
GUHL N., ERNESTO, Economic Geography
HOYOS ARANGO, SAMUEL, International Commerce
LEAL MORALES, ALVARO, Cassation
MARTÍNEZ ZUÑIGA, LISANDRO, Criminology
MEDINA ARROYO, FERNANDO, Public Finance
NOGUERA LABORDE, RODRIGO, Civil Law
ORJUELA HIDALGO, GUSTAVO, Criminal Procedural Law
OSPINA FERNÁNDEZ, GUILLERMO, Civil Law
OSSA GÓMEZ, EFRÉN, Insurance
URIBE CUALL, GUILLERMO, Forensic Medicine
VICENTE VARGAS, JOSÉ, Banking Law

Faculty of Medicine:
ANZOLA LIÉVANO, JORGE, Physiology
ANZOLA CUBIDES, HERNANDO, Surgery
BARRIENTOS CONTO, RAFAEL, Anatomy
CONSUEGRA ZULAICA, JUAN, Clinical Medicine, Tropical Diseases
DÍAZ GUERRERO, JORGE, Clinical Ophthalmology
DOMENICO, JUAN DI, Technique of Surgery
FAJARDO PINZÓN, ALVARO, Clinical Neurology
FISCHER, GUILLERMO, General Pathology
FORERO VÉLEZ, RICARDO, Obstetrics
GARCÍA CORTÉS, CARLOS, Parasitology
GÓMEZ VILLEGAS, CÉSAR, Bacteriology
MÁRQUEZ VILLEGAS, CARLOS, Anatomy
MEDINA PINZÓN, ALBERTO, Clinical Dermatology
NEGRET LÓPEZ, MARIO, Clinical Surgery
ORTEGA LAFAURIE, GABRIEL, Pathogical Anatomy
OSORNO MESA, ERNESTO, Entomology
SÁNCHEZ, LUIS JAIME, Psychiatry
URIBE CUALLA, GUILLERMO, Forensic Medicine
VARGAS IRIARTE, RICARDO, Semeiology

Faculty of Odontology:
ARIAS, JOSÉ, Prosthesis
CONVERS, JORGE, Anæsthetics
CUÉLLAR, ALFONSO, Surgery
DELGADO MORALES, ALVARO, Introduction to the Study of Odontology
GUTIÉRREZ, ENRIQUE, Surgery
OCAMPO ALVAREZ, ARTURO, Oral Hygiene, Pharmacology and Therapeutics
SANDINO, PEDRO M., Dental Pathology

Faculty of Electronic Engineering:
ALBORNOZ, SANTIAGO, Professional Legislation
CARVAJAL, MARIO A., S.J., Physics
CASTELLANOS, MARIO, Control Systems
ESCOBAR, WLADIMIRO, S.J., Physics
ENGLEBERT, EVERSHEIM, Communications
FRICK, MARIO, Transmitters
GÓMEZ, LEONARDO, Electromagnetism, Microwaves
ROJAS, JOSÉ M., Electrical Machinery
SANDER, FRANZ, Technical Drawing
SILVA LEÓN, Electronic Tubes, Television
TRUJILLO, CARLOS, Industrial Electronics
LAHR, KLAUS, Communications
LANGEBECK, HENRIK, Measuring Instruments

Faculty of Architecture:
ACEVEDO, INÉS, Drawing
ARBELÁEZ, CARLOS, Development of Architecture
BERNAL, GUSTAVO, Design
CORRADINE, RENÉ, Theory of Architecture
MATÉ, MANUEL, Construction

Faculty of Philosophy, Letters and Pedagogy:
ARCINIEGAS, REINALDO, Spanish
DEMELENEURE, MARC, French
LARRAÑAGA, EDUARDO, Critique
MINDSZENTI, BELA, Latin
PACCIOTTI DE GONZÁLEZ EDELWIS, Greek
SCHRODER, CARLOS, German
VIEIRA, MANUEL, English

Faculty of Economics:
BERNAL, HERNANDO, Sociology
BOTERO, DELIO, Administrative Law
CABRERA, JAIME, Mathematics
CABRERIZO, EDUARDO, Economic Theory
CADAVID, JOSÉ L., Economic Geography
CHARRIA, PEDRO M., Introduction to Law
FOCKE, CARLOS, Statistics
GALLEGO, R.P. JOSÉ MA., S.J., Philosophy
GONZÁLEZ, R.P., MIGUEL A., S.J., Methodology
JARAMILLO ARRUBLA, CASTOR, Labour Law
NIÑO, PEDRO V., Introduction to Economics
RICARDO, VÍCTOR G., Constitutional Law
SOLER, DOMINGO, Statistics
VICTORIA, JOSÉ B., Accountancy
VILLA, RAFAEL, Mathematics

Women's Faculties.

DIRECTORS:

Bacteriology: Dir. Dr. JAIME GÓMEZ SALAZAR.
Art and Decoration: Dir. Dr. CARLOS ORTEGA MERIZALDE.
Nursing: CECILIA SILVA DE MOJICA.
Dietetics: Dir. Dr. MARGARITA DE TRIPP.

PROFESSORS:

Bacteriology Course:
ARÉVALO, EVARISTO, General and Organic Chemistry
BUÍTRAGO, MIGUEL, General Biology
CORTÉS MENDOZA, EDUARDO, Theoretical Hæmatology
CURE, WADI, Anatomy
GARAVITO, JOSÉ MARÍA, Parasitology
GARCÍA CORTÉS, CARLOS, Mycology
GARCÍA GÓMEZ, JOSÉ, Parasitology
GÓMEZ, VILLEGAS, CÉSAR, Serology
GÓMEZ SALAZAR, JAIME, Biochemistry
GONZÁLEZ DE CARO, CECILIA, General Laboratory Practice
ISAZA, JAVIER, Histology
LLERAS PIZARRO, ALFREDO, Theoretical Bacteriology
PUPO, SAMUEL, Milk Analysis
SARAVIA, JAIME, Laboratory Applications

Art and Decoration:
ACEVEDO, INÉS, Technique of Colour
ACEVEDO, MARUJA, Musical Culture

ANGULO, JOSÉ J., Composition and Design
BARCO, REINALDO, Mathematics and Building
CANO SANÍN, LEÓN, Oil Painting
ORTEGA MERIZALDE, CARLOS, Design, Materials, etc.
RESTREPO JARAMILLO, JOSÉ, Commercial Art
URIBE BERMÚDEZ, ROBERTO, Architectural Drawing

Nursing:
CANALES PEÑA, STELLA, History of Nursing
DELGADILLO, ALBERTO, General Surgery
PLATA BERMÚDEZ, HERNANDO, Introduction to Medical Science
RIVEROS DEREYES, LOLA, Supervision of Nursing
SIERRA, GUILLERMO, Radiology
ZUBIRÍA, ROBERTO DE, Physics, Anatomy and Physiology

Dietetics:
FERNÁNDEZ D., GLADYS, Nutrition
SÁNCHEZ DETRIP, MARGARITA, Dietetics
SÁNCHEZ MEDINA, MARIO, Nutrition

Advanced School of Journalism and Broadcasting.
Director: R.P. AUGUSTO ORDÓNEZ, S.J.

School of Bacteriology.
Director: Dr. JAIME SALAZAR GÓMEZ.

School of Art and Architecture.
Director: Dr. CARLOS ORTEGA MERIZALDE.

School of Nursing.
Director: CECILIA SILVA DE MOJICA.

School of Dietetics.
Director: MARGARITA SÁNCHEZ DE TRIPP.

UNIVERSIDAD LIBRE
(Free University)

CARRERA 6A, No. 8-06, BOGOTÁ
Telephone: 344-884.
Founded 1923.

Rector: Dr. GERARDO MOLINA.
Secretary: JORGE SOLER MARIÑO.
Faculties' Secretary: Dr. CARLOS MARTÍNEZ RODRÍGUEZ.
Librarian: LUCREZIA MEDINA.

Number of teachers: 220.
Number of students: 1,850.

DEANS:

Faculty of Law and Social Sciences: Dr. HERNÁN BAQUERO G.
Faculty of Education: Dr. HUMBERTO RODRÍGUEZ.
Faculty of Engineering: Dr. RAMIRO OSORIO.

PROFESSORS:

Faculty of Law and Social Sciences:
ESPITIA DIEGO, ALBERTO, Public Law
MINA BALANTA, ADOLFO, Procedural Law
MONTAÑA CUELLAR, DIEGO, Economic and Social Sciences
PÉREZ VIVES, ALVARO, Private Law
POSADA DÍAZ, FRANCISCO, Philosophy of Law
RUIZ, SERVIO TULIO, Penal Law

Faculty of Education:
ABOUCHAAR, ALBERTO, Biology
ARIZALA, JOSÉ, Economy
CIVETTA, NICOLÁS, Mathematics
CUESTAS, JOSÉ DEL C., Social Sciences
ESPINOSA, OSCAR, Psychology
PEREA, AMÉRICO, Physics
PEREA, JAIME, Chemistry
ROJAS, ALVARO, Philosophy

Faculty of Engineering:
CHAIB, ABDUL, Mathematics

UNIVERSIDAD DE LOS ANDES

CALLE 18-A, CARRERA 1-E,
APARTADO AÉREO 4976, BOGOTÁ
Telephone: 34-36-40.
Founded 1948.

Rector: Dr. RAMÓN DE ZUBIRÍA.
Secretary-General: Dr. ANDRÉS URIBE.
Librarian: CAMILA BOTERO.

The library contains 12,000 volumes.
Number of teachers: 168.
Number of students: 1,232.

DEANS:

Faculty of Economics: Dr. MIGUEL FADUL.
Faculty of Engineering: Dr. ALVARO SALGADO.
Faculty of Architecture: Dr. CARLOS DUPUY.
Faculty of Philosophy and Letters: Dr. DANILO CRUZ.
Faculty of Arts and Sciences: Dr. ANTONIO ORDÓÑEZ.
Dean of Studies: Dr. JAIME VILLARREAL.

HEADS OF DEPARTMENTS:

Department of Modern Languages: BEATRIZ CASTILLA.
Department of Mathematics and Physics: Dr. HENRI YERLY.
Department of Spanish: Dr. RAFAEL POSADA.
Department of Chemistry: Dr. VÍCTOR JIMÉNEZ.
Department of Humanities: Dr. ABELARDO FORERO-BENAVIDES.
Department of Social Sciences: Dr. GERARDO REICHEL-DOLMATOFF.

UNIVERSIDAD SANTIAGO DE CALÍ

CALLE 10, No. 5-14, CALÍ
Founded 1964.

Rector: Dr. LUIS ENRIQUE ROMERO SOTO.

UNIVERSIDAD DE MEDELLÍN

CALLE 31, No. 83-B-150, MEDELLÍN
Founded 1950.

President: Dr. JUAN PELÁEZ SIERRA.
Honorary President: DOÑA LUZ CASTRO DE GUTIÉRREZ.
Rector: EDUARDO FERNÁNDEZ BOTERO.
Secretary-General: Dr. HORACIO FRANCO.
Librarian: ADELA SANABRIA PARRA.

Number of teachers: 101.
Number of students: 917.
Publication: *UDEM* (*Revista Universidad de Medellín*).

DEANS:

Faculty of Law: Dr. LUIS CARLOS CALLE CALLE.
Faculty of Industrial Economy: Dr. EVELIO RAMÍREZ.
Faculty of Administrative Sciences: Dr. FRANK BOTERO.

PROFESSORS:

Faculty of Law:
ARCILA RAMÍREZ, LUIS, Judicial Trials
CALLE LÓPEZ, GUILLERMO, Forensic Medicine
CASTRILLÓN H., GABRIEL, General Penal Law
CUARTAS NARANJO, ALFONSO, Co-operatives
DÍAZ MENDOZA, MIGUEL, Mines, Crude Oils and Lands
FERNÁNDEZ BOTERO, EDUARDO, Colombian Constitution
FERNÁNDEZ SANTAMARÍA, JORGE, Public Economy and Legislation
GUEVARA, ENRIQUE, Philosophy of Law
GUTIÉRREZ M., ALFREDO, General Administration
HERNÁNDEZ, TITO O., Individual and Collective Labour Procedure
HERNÁNDEZ SALAZAR, JORGE, Roman Law
JARAMILLO, ENRIQUE, International Private Law
LOPERA PEÑA, ARSECIO, Civil Law
MEJÍA RAMÍREZ, GUSTAVO, Civil Law
MEJÍA VELÁSQUEZ, IGNACIO, Canon Law
OCHOA ARISMENDI, JAIME, International Public Law
OROZCO RAMÍREZ, ALFONSO, Co-operatives
PELÁEZ SIERRA, JUAN, Civil Procedural Law
PELÁEZ VARGAS, GUSTAVO, General Penal Law
QUIJANO ARISTIZABAL, JOHN, Colombian Administration
RESTREPO, BERNARDO, Instruments of Negotiation
RODRÍGUEZ, ARTURO, Introduction to Law
RUIZ SÁNCHEZ, GUSTAVO, General Constitutional Law
SIERRA GARCÍA, JAIME, Civil Law
SIERRA MEJÍA, HERNANDO, Public Finance
SIERRA RESTREPO, HORACIO, Civil Law
SOSA, FABIO, Philosophy of Law
SUÁREZ ACEVEDO, CARLOS, General and American Sociology
TURIZO, JUSTINIANO, Anthropology
UPEGUI, GABRIEL, Colombian Penal Law
URIBE BERNAL, LEONEL, Civil Law
URIBE WILLS, CARLOS, Colombian Penal Law

Faculty of Industrial Economy:
ARANGO, ALBERTO, Markets and Sales
CANO RIVERA, JORGE, Public Finance
CAÑOLA, JAIRO, Economy
CARDENAS, OCTAVIO, Economy
CARDOZO, GILBERTO, Auditing
CASTAÑO, JORGE, Administrative Theory
COSSIO, ISRAEL, Tributary Finance and Legislation
DUQUE, EMILIO, Principles of Legislation
ESCOBAR, ROMÁN, International Economy
GÓMEZ, ARIEL, Transport, Customs and Tariffs
GÓMEZ, ARTURO, Securities
GÓMEZ, JAVIER, Accountancy
GONZÁLEZ, JOSÉ M., News Editing
GONZÁLEZ, MARIO, Labour Relations
HENAO, ANTONIO, Financial Mathematics

JARAMILLO, LUIS F., Colombian Economy
MACHADO, RAFAEL, Social Investigation Methods
MUÑOZ, HUGO, Economy
MUSTAFA, IGNACIO, Labour Legislation and Problems
OROZCO, DARÍO, Business Organisation
ORTEGA, HERNÁN, Costs and Auditing
OSPINA, JAIME, Industrial Relations
POSADA ANGEL, JAIME, Administrative Theory
POVEDA, GABRIEL, Thesis Seminar
RESTREPO, ALBERTO, Statistics
RODAS BAENA, JAIME, Mathematics
SÁNCHEZ, HERNÁN, Economic Geography
SUÁREZ, CARLOS, Sociology, Economic History, Political Institutions
URIBE, RAÚL, Rationalisation of Method
VILLA, OSCAR, Legislation and Banking Practices

Faculty of Administrative Sciences:
BOTERO RAMÍREZ, ERNESTO, Psychology and Psychotechnics
CANO RIVERA, JORGE, Organisation and Methods
EASTMAN DE LÓPEZ DE MESA, HAYDÉE, Sociology
GRANADOS, JUAN B., History
LALINDE VIVEROS, GUIDO, Introduction to Public Administration
MÁRQUEZ VARGAS, GERMÁN, Systems of Administrative Control
MESA JARAMILLO, ALVARO, Public Relations and News Editing
MUÑOZ ECHANDÍA, HUGO, Economy
MUSTAFA, IGNACIO, Commercial Law
ORTÍZ RESTREPO, JAIME, Personnel Administration, Professional Ethics
OSPINA BOTERO, HÉCTOR, Economy
PEÑA ALZATE, OSCAR, Budgetary Administration, General Planning
RAMÍREZ MARTÍNEZ, EVELIO, Mathematics
RODRÍGUEZ, MARIO, Administrative Analysis
RUIZ SÁNCHEZ, GUSTAVO, Political Science
TRUJILLO PALACIO, ENRIQUE, Banking Organisation
ZULUAGA RESTREPO, HERMES, Human Relations

COLEGIO MAYOR DE NUESTRA SEÑORA DEL ROSARIO

CALLE 14, Nos. 6-25, BOGOTÁ

Founded 1653.

Rector: Illmo. Mons. JOSÉ CASTRO.
Vice-Rector: Dr. MARCO CRUZ DÍAZ.
Director: Mons. CARLOS RODRÍGUEZ.
Secretary-General: Dr. RAFAEL OSORIO.
Librarian: JORGE ORTÍZ ARANGO.

The University has greatly increased its library and now has 50,000 books on Jurisprudence alone.

The faculties are under the direction of the Rector and the Faculties' Secretary.

Faculties' Secretary: OVIDIO OUNDJIÁN.

Publication: *Revista.*

FUNDACIÓN UNIVERSIDAD SANTIAGO DE CALÍ

CALLE 10, No. 5-14, CALÍ

Founded 1958.

Rector: Dr. ALFREDO CADENA COPATE.
Secretary-General: Dr. MARCO FIDEL CHAVES.
Librarian: Dr. LIBORIO VILLA CANTILLO.

DEANS:

Faculty of Law: Dr. HÉCTOR FABIO VARELA.

SCHOOLS OF ART, ARCHITECTURE AND MUSIC

Conservatorio Nacional de Música (*National Conservatory of Music*): Ciudad Universitaria, Bogotá; f. 1910.
Director: FABIO GONZÁLEZ ZULETA.
Secretary: HJALMAR DE GREIFF.
Number of teachers: 40.
Number of students: 500.
Library of 2,000 volumes, scores and records.

Conservatorio de Música: Universidad del Atlántico, Carrera 43, No. 50-53, Apdo. Aéreo 1890, Barranquilla; Dir. Prof. HANS NEUMAN.

Conservatorio de Música: Universidad del Cauca, Popayán; Dir. Prof. WOLFGANG SCHNEIDER.

Escuela de Música: Universidad de Nariño, Pasto, Nariño; Dir. GONZALO ROJAS.

Escuela de Pintura: Universidad del Atlántico, Carrera 43, No. 50-53, Apdo. Aéreo 1890, Barranquilla; Dir. ALEJANDRO OBREGÓN.

Escuela de Bellas Artes: Ciudad Universitaria, Bogotá; Dir. Dr. EUGENIO BARNEY CABRERA.

Escuela de Artes y Oficios: Universidad del Cauca, Popayán; Dir. SILVIO CABRERA.

Escuela de Arte y Decoración Arquitectónica (*School of Art and Architecture*): Pontificia Universidad Javeriana, Carrera 7a, No. 40-62, Apdo. Aéreo 5315, Bogotá; Dir. Dr. CARLOS ORTEGA MERIZALDE.

CONGO REPUBLIC (BRAZZAVILLE)

Population 800,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: Brazzaville; 3 committees.

Bureau de Recherches Géologiques et Minières: Brazzaville.

Bureau des Archives et Bibliothèques de Brazzaville: B.P. 2025, Brazzaville.

Bureau pour le Developpement de la Production Agricole (BDPA): B.P. 2222, Brazzaville.

Centre Océanographique O.R.S.T.O.M. de Pointe-Noire: B.P. 1086, Pointe-Noire; biological and physical oceanography; Dir. A. CROSNIER.

Centre ORSTOM de Brazzaville: B.P. 181, Brazzaville; centre of ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer); formerly Institut de Recherches Scientifiques au Congo; br. at B.P. 1086, Pointe-Noire.

Centre Technique Forestier Tropical: Pointe-Noire; forestry research.

Institut Africain: Mouyondzi; living African languages.

Office de Recherche Scientifique et Technique Outre-Mer (O.R.S.T.O.M.) Centre de Brazzaville: B.P. 181, Brazzaville; Pedology, Hydrology, Botany, Agricultural and Medical Entomology, Human Sciences; Dir. R. PAULIAN.

Institut d'Etudes Congolaises: Brazzaville; Dir. M. MALONGA.

Institut de Recherches du Coton et des Textiles Exotiques: B.P. 13, Madingou.

Institut de Recherches pour les Huiles et Oléagineux: brs. at Loudima, Sibiti.

Institut Pasteur: B.P. 120, Brazzaville; f. 1908; clinical-biology department, anti-rabies and anti-smallpox vaccines and research departments, particularly in the fields of Trypanosomiasis, Biochemistry and Virology.

Station Fruitière du Congo: Loudima; f. 1963.

U.S. Information Center: Brazzaville.

COLLEGES

Centre d'Enseignement Supérieur: B.P. 69, Brazzaville; f. 1961; the centre is designed to form the nucleus of the future Université de Brazzaville; the centre co-operates with similar centres in Gabon, Chad and the Central African Republics. The Centre comprises: Schools of Law, Letters, Science, Medicine; Agronomic and Zootechnical courses and Teachers' Training Institute.

Rector: RENAUD PAULIAN.

Number of students: 772.

Centre d'Etudes Administratives et Techniques Supérieures: administrative and judicial centre, school of arts.

College Technique, Commercial et Industriel de Brazzaville (et centre d'Apprentissage): Brazzaville; f. 1959; for African students, internal and external (560 in 1960); Dir. HUBERT COUPPEY.

Lycée Technique d'Etat (*Technical College*): Brazzaville; commercial, general and industrial sections; Principal H. COUPEY.

Centre de Formation Professionnelle Agricole: Sibiti.

Secondary Teacher-Training Institute: Brazzaville; f. 1962 under U.N. Special Fund; students will be admitted from the Central African Republic, Chad and Gabon.

School of Fine Arts: Brazzaville; f. 1953; trains teachers of design for secondary schools.

DEMOCRATIC REPUBLIC OF CONGO

Population 13,864,421

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: B.P. 2-289, Léopoldville.

British Council: B.P. 597, Léopoldville; f. 1961; Rep. (vacant).

Centre d'Etude des Problèmes Sociaux Indigènes (C.E.P.S.I.): B.P. 1873, Elizabethville; f. 1946; to study problems arising from the social evolution of the inhabitants of the Congo.

Goethe-Institut: B.P. 7465, Léopoldville; f. 1962; Dir. Dr. K. FERKINGHOFF.

Institut du Médecine Tropicale: Léopoldville; f. 1899; research on sleeping sickness; the Inter-African Permanent Bureau for tse-tse sickness and trypanosomaise is housed in the same building.

Institut National pour l'Etude Agronomique du Congo (I.N.E.A.C.): B.P. 2037, Léopoldville; f. 1933 to promote the scientific development of agriculture in the Congo; the library and documentation centre at Avenue Vanden Heuvel 9, Léopoldville from December 1965.

Institut pour la Recherche Scientifique en Afrique Centrale (I.R.S.A.C.): Lwiro, D.S. Bukavu; principal stations are at Lwiro, D.S. Bukavu (biology), Mabali, on Lake Tumba (botany, climatology and zoology), Uvira, on Lake Tanganyika (hydrobiology) and Elisabethville, Katanga (biology); Dir.-Gen. U. RAHM.

Institut des Parcs Nationaux: B.P. 1950, Elisabethville; f. 1961; controls the Upemba nature reserve in Katanga and conducts scientific research; Pres. Prof. J. J. SYMOENS; Conservator J. V. LELIÈVRE.

U.S. Information Center: coin des Avenues Charles de Gaulle et Kasavubu, Léopoldville.

MUSEUMS

Musée de la Vie Indigène: B.P. 587, Léopoldville; Curator JEAN VANDEN BOSSCHE.

Musée Léopold II: B.P. 739, Elisabethville, Katanga.

There are museums at Coquilhatville, Stanleyville and Luluabourg.

UNIVERSITIES

UNIVERSITÉ LOVANIUM DE LÉOPOLDVILLE

B.P. 127, LÉOPOLDVILLE, XI

Telephone: Léopoldville 7501.

Founded 1954.

The University was founded by the Université Catholique de Louvain in collaboration with the Government.

Chancellor: His Excellency Mgr. J. A. MALULA, Archbishop of Léopoldville.
Vice-Chancellor: A. NDELE.
President: Dr. L. P. GILLON.
Vice-Presidents: R. BORGHGRAEF, Mgr. M. BAKOLE.
Registrars: M. PLEVOETS, A. MPASE.
President of the Cité Universitaire: E. LIÉTARD.
Chief Librarian: E. NEVEN.

Number of professors: 113 full-time, 43 part-time, 73 research directors and assistants.

Number of students: 1,600.

Publications: *Publications de l'Université Lovanium de Léopoldville, Studia Universitatis "Lovanium", Notes et Documents.*

DEANS:

Faculty of Theology: A. VANNESTE.
Faculty of Medicine: J. SONNET.
Faculty of Law: M. DUBRU.
Faculty of Arts: V. BOL.
Faculty of Science: J. CHARETTE.
Faculty of Social, Political and Economic Science: G. VAN DE VELDE.
School of Engineering: P. MONNENS.
Faculty of Agricultural Science: H. MICHELS.
Director, Institute for Psychology and Education: MARIE-THÉRÈSE KNAPEN.
Director, Institute for Economic and Social Research (I.R.E.S.): H. LECLERCQ.

FULL PROFESSORS:

BAL, W., Romance Linguistics
BONTINCK, F. R., Church History
BORGHGRAEF, R., Physiology
BOUILLON, A., Zoology
BUCHMANN, J., International Law
CAMBIER, J., New Testament
CARLIER, A., Botany, General Genetics
CHARETTE, J., General Physics, Infra-red Spectrography
COLLART, E., Phytotechnics, Phytopathology, Ecology
CRAHAY, F., Logic, Modern Philosophy
CRÈVE, R., Canon Law
DE BONT, A., Biology, Tropical Limnology
DE ROP, A., Bantu Literature and Linguistics
DOPP, H. P., History of French Literature, History of Art
ELLIOTT, F., Biochemistry
GILLON, L., Nuclear Physics
GODFRAIND, T., Pharmacodynamics
HENNEBERT, P., Surgery
KERKHOFS, W., Graphostatics, Resistance of Materials
KNAPEN, M. TH., Psychology and Education
LECLERCQ, H., Economics
LEFEBVRE, R., Pedagogy
LOOS, R., Nuclear Physics
MONNENS, P., Thermodynamics, Construction of Machines
NICAISE, J., Social Legislation, Applied Statistics
OLIVIER, M., Ethics
ROUCHE, N., Electrical Engineering, Theoretical Physics
RUBBENS, A., Legal Practice
SEYNAEVE, J., New Testament
SILVESTRE, H., Society and Institutions of Classical Antiquity, the Middle Ages and Modern Times

SONNET, J., Internal Medicine
VAN COILLIE, R., General Chemistry
VAN COMPERNOLLE, G., Pedology, Soils
VANDEPITTE, J., Bacteriology
VAN DE VELDE, G., Banking and Banking Practices
VANHOVE, A., Psychology
VAN PEE, W., General and Applied Microbiology
VAN TORRE, J., Ecclesiastics, Ecumenical Studies
VERHAEGEN, B., Political and Social Science
VINCENT, J., Histology

Centre for the Study of Comparative African Law (CEDCA).
Director: A. RUBBENS.

Centre for the Study of African-inspired Romance Literature (CELRIA).
Director: V. BOL.

UNIVERSITÉ DE L'ETAT

B.P. 1825, ELISABETHVILLE

Founded 1955 as the Université Officielle du Congo et du Ruanda-Urundi, re-formed Sept. 1960.

Chairman of the Board of Governors: P. MUHONA, Katanga Government.
Rector, Vice-Chairman of the Board of Governors: Prof. J. FRENKIEL.
Representative of the Head of State: M. KALENDA.
Secretary to the Board of Governors: G. DESSART.
Chief Administrative Officer: M. KALENDA.
Faculty Member in Charge of the Library: Prof. A. VANDEGANS.
Librarian: R. VRANCX.

The library contains 50,000 vols. and 1,400 current periodicals.

Number of teachers: 46, including 20 professors and 6 visiting professors.

Number of students: 140.

Publications: *Publications de l'Université de l'État à Elisabethville* (irregular).

DEANS:

Faculty of Philosophy and Letters: Prof. A. GÉRARD.
Faculty of Law: Prof. H. VLIEBERGH.
Faculty of Science and Applied Science: Prof. J. BELLIÈRE.
Faculty of Medicine: Prof. Y. BOUNAMEAUX.

PROFESSORS (Full-time only):

Faculty of Philosophy and Letters:
COUPEZ, A., African Studies
GÉRARD, A., English
REMY, P., French
VANDEGANS, A., French
VERBRUGGEN, J. F., History

Faculty of Law:
PERIPHANAKIS, Natural Law
VLIEBERGH, H., Public Law

Faculty of Science and Applied Science:
ALEXANDRE, J., Geography
BELLIÈRE, J., Geology
DEHOUSSE, M., Mathematics
FALLA, L., Physics
FIERENS, P., Chemistry
FRENKIEL, J., Physics
HULS, R., Chemistry
SYMOENS, J. J., Botany

Faculty of Medicine:
BOUNAMEAUX, Y., Pathology
DUMONT, P., Radiology
FIRKET, H., Histology
FISCHER, P., Pharmacology
VAN REMOORTERE, E., Physiology

UNIVERSITÉ LIBRE DU CONGO

B.P. 237, STANLEYVILLE

Founded 1963

Teaching given in French and English.

Rector: R. J. DECKER.
Vice-Rector in Charge of Administration: B. C. HOBGOOD.
Vice-Rector in Charge of Students: E. SENDWE.
Vice-Rector in Charge of Academic Affairs: M. J. LOEWEN.

Number of teachers: 18.

Number of students (1964-65): 110 approx.

The library contains *c.* 15,000 vols.

COLLEGES

Ecôle Nationale de Droit et d'Administration: Léopoldville; f. 1960 by the UN Legal Advisory Commission, Congolese Government and Ford Foundation to train Congolese for the magistracy and public administration; four-year courses for trainee managers and senior administrative officers; 480 students.

Institut Pédagogique National: Djelo, Binza, Léopoldville; f. 1961 with the help of technical and financial aid by UNOC (UN Operations in the Congo); 50 students have started two-year courses to train as secondary school teachers and education officers; also short courses for primary school teachers.

Telecommunications School: Léopoldville; f. 1962; trains employees of the International Telecommunications Union in technical subjects and English.

COSTA RICA

Population 1,369,659

ACADEMIES

Academia Costarricense de la Lengua: Sala España, Biblioteca Nacional, San José; f. 1923; 9th in order of foundation in Spanish America; corresp. of the Real Academia Española, Madrid; 18 mems.; publ. *Boletín de la Academia Costarricense de la Lengua.*

Director: Hernán G. Peralta.
Secretary: Juan Trejos Quirós.
Treasurer: José Marín Cañas.

Members:

Agüero, Arturo.
Aguilar Machado, Alejandro.
Arce Bartolini, José María (*elected*).
Argüedas, Samuel.
Bonilla, Abelardo.
González, Luis Felipe.
Macaya, Enrique.
Marchena Vallerriestra, Julian.
Orozco Castro, Carlos.
Pacheco Solano, León
Rodríguez, Cristián (*elected*).
Tinoco, Luis D.
Ulate, Otilio.
Vincenzi, Moisés.
Zamora Elizondo, Hernán.

Academia Costarricense de la Historia: San José; Pres. Prof. Luis Felipe González; Sec. Lic. Marco Tulio Zeledon.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Culturelle Franco-Costaricienne (*Comité de l'Alliance Française au Costa Rica*): Apdo. 812, San José; library of 4,500 vols.

Asociación Bolivariana de Costa Rica (*Costa Rica Association of Simón Bolivar*): San José; f. 1930; 66 mems.; Pres. Octavio Castro Saborio; Sec. Lic. Demetrio Gallegos Salazar.

Asociación Costarricense de Bibliotecarios (*Costa Rican Association of Librarians*): Apdo. 3308, San José; Sec.-Gen. Nelly Kopper.

Asociación de Cardiología (*Cardiology Association*): Hospital San Juan de Dios, San José.

Asociación de Cirugía (*Surgery Association*): Hospital San Juan de Dios, San José.

Asociación de Medicina Interna (*Internal Medicine Association*): Hospital San Juan de Dios, San José.

Asociación de Obstetricia y Ginecología (*Obstetrics and Gynæcology Association*): Hospital San Juan de Dios, San José.

Asociación de Pediatría (*Pediatrics Association*): Hospital San Juan de Dios, San José.

Centro de Co-operación Técnica Industrial: C. la Av. Fdez. Güell, San José; f. 1960; library of 1,000 vols.

Dirección General de Estadística y Censos: Avda. 2-4, C.6, San José; library of 3,000 vols.

Instituto de Alajuela (*Alajuela Institute*): Alajuela; scientific research station; Dir. Julio C. Solera.

Instituto Costarricense de Ciencias Políticas y Sociales (*Costa Rican Institute of Social and Political Sciences*): San José, C.9, Ave. 1-3.

Instituto Geográfico: Apdo. 2272, San José; Dir. Ing. Federico Gutiérrez Braun.

Servicio Meteorológico: Apdo. 1028, San José; Dir. Elliott Coen.

LIBRARIES

Archivos Nacionales de Costa Rica: Apdo. 5028, San José; 8,000 vols.; Librarian Jorge Ulate Segura; publ. *Revista de los Archivos Nacionales de Costa Rica* (twice yearly).

Biblioteca de la Asamblea Legislativa: Apdo. 2066, San José; f. 1953; 15,000 vols.; Dir. Salvador Jiménez-Canossa.

Biblioteca de la Universidad de Costa Rica: Ciudad Universitaria, Apdo. 3862, San José; f. 1946; 80,000 vols.; Librarian Prof. Efrain Rojas.

Biblioteca del Banco Central de Costa Rica: Ave. 1, Calle 4, San José; f. 1950; 15,600 vols.; Librarian Olga Várela Martín.

Biblioteca del Centro Cultural Costarricense-Norteamericano: Apdo. 3898, San José; f. 1945; 6,500 vols.; Librarian Felicia de Mézerville Quirós.

Biblioteca del Ministerio de Relaciones Exteriores y Culto: Calle 11 a 7, San José; f. 1960; 12,500 vols.; Librarian Maritza Rodríguez Quesada.

Biblioteca Nacional: Calle 5, Avenidas 1/3, San José; f. 1888; 133,000 vols.; Dir. Julián Marchena V.

MUSEUMS AND GALLERIES

Museo Indígeno (*Native Museum*): Seminario Central, San José.

Museo Nacional: Apto. 749, San José; f. 1887; general museum; Botany and Zoology Section: Alfonso Jiménez; Museologist: Manuel Font Frutos; Sec.: Rose Marie Campos; publ. *Boletín.*

Galería Teatro Nacional: San José.

Galería Facultad de Bellas Artes: University of Costa Rica.

Galería la Casa del Artista: San José.

Sala de Conciertos Tassara: Calle 14, No. 944, San José.

UNIVERSITY

UNIVERSIDAD DE COSTA RICA

CIUDAD UNIVERSITARIA,
SAN JOSÉ
Telephone: 6750.
Founded 1843, re-founded 1940.

Rector: Prof. CARLOS MONGE ALFARO.
Secretary-General: Lic. GUILLERMO MALAVASSI VARGAS.
Administrative Director: Lic. FERNANDO FUMERO PÁEZ.
Registrar: Lic. LUIS TORRES MOREIRA.
Librarian: Prof. EFRAIM ROJAS ROJAS.

Number of teachers: 428.
Number of students: 3,274 men, 2,051 women, total 5,325.
Publications: *Revista de la Universidad de Costa Rica, Revista de Filosofía, Revista de Biología Tropical, Revista de Ciencias Jurídicas.*

DEANS:

Faculty of Agronomy: Ing. LUIS A. SALAS FONSECA.
Faculty of Economic and Social Sciences: Lic. FIDEL TRISTÁN CASTRO.
Faculty of Law: Dr. EDGARDO BUITRAGO.
Faculty of Medicine: Dr. MARIO MIRANDA GUTIÉRREZ.
Faculty of Pharmacy: Lic. OSCAR RAMÍREZ GUEVARA.
Faculty of Engineering: Ing. WALTER SAGOT CASTRO.
Faculty of Odontology: Dr. EDWIN FISCHEL ROBLES.
Faculty of Microbiology: Lic. FERNANDO MONTERO GEI.
Faculty of Education: Dr. EMMA GAMBOA ALVARADO.
Faculty of Sciences and Letters: Lic. CLAUDIO GUTIÉRREZ CARRANZA.
Academy of Fine Arts: Prof. JUAN PORTUGUEZ FUCINGA.

PROFESSORS:

Faculty of Agronomy:
ACOSTA JIMÉNEZ, A., Cocoa, Banana Cultivation and Fertilisers
ALVARADO, M. GUILLERMO, Topography
BARTORELLI FALUGGI, GASTÓN, Rural Economy
DELGADO MADRIGAL, JORGE M., Aviculture
DÓNDOLI B., CÉSAR, Geology
FONSECA ZAMORA, HERNÁN, Animal Nutrition
GONZÁLEZ UMAÑA, LUIS C., Phytopathology
GUTIÉRREZ ZAMORA, G., Coffee Cultivation
MATARRITA ACUÑA, ALEXIS, Economic Entomology
NANNE M., HERBERT, Agronomy
NAVARRO B., EDWIN, Animal Husbandry
OCAMPO CÓRDOBA, FERNANDO, Agricultural Extension
ORTIZ B., FERNANDO, Veterinary Medicine
OVIEDO S., LEONEL, Botany, Horticulture
REVILLA MELÉNDEZ, JUAN M., Sugar Cane Cultivation
SÁENZ M., ALBERTO, Agronomy, Edaphology
SALAS F., LUIS A., Zoology
VILLALOBOS ARIAS, LUIS A., Pig Industry
VIVES FERNÁNDEZ, LUIS A., Forestation
WILLE TREJOS, ALVARO, General Entomology
YGLESIAS PACHECO, GUILLERMO, Planning Experiments

Faculty of Economic and Social Sciences:
ALFARO SAGOT, BERNARDO, Financial Mathematics
ARRAYA BORGES, JORGE L., Theory and Practice of Budgeting
BABBAR NISCHEL, Introduction to Econometrics
CARRO ZÚÑIGA, ALFONSO, Theory of State
CARVAJAL V., ANTONIO, Private Insurance
CHACÓN MONTERO, JOSÉ A., Insurance against Damages
CHAVES ESQUIVEL, OSCAR, Personnel Administration
COVER, WALLACE, Accountant's Professional Practice
DI MARE FUSCALDO, ALBERTO, Economic Analysis
GUARDIA URIBE, GASTÓN, Labour Legislation
HESS ESTRADA, RAÚL, Economic Development
IBARRA BEJARANO, ADONAI, Advanced Accountancy
JIMÉNEZ ROYO, MARIO, Accountancy
LIZANO FAIT, EDUARDO, Economic Doctrines
PÉREZ GUEVARA, ISAAC, Accountancy
RAMÍREZ ARIAS, MARIANO, Demographic Statistics
REES ACEVEDO, RONALD, Marketing
ROMERO GUZMÁN, MARIO, Costing
SALAZAR NAVARRETE, JOSÉ M., Economy of Costa Rica
SANTORO P., GUSTAVO, Sociology for Economists
SASSO SASSO, ROBERTO, Statistical Methods for Investigators
SOLERA B., JAIME, Mercantile Law
SOLEY CARRASCO, RODRIGO, Public Finance
TREJOS FERNÁNDEZ, JOSÉ J., Statistical Theory
TRISTÁN CASTRO, FIDEL, Public Administration
VALVERDE MARÍN JENARO, International Economic Relations
VARGAS BONILLA, ISMAEL A., Constitutional Law
VINDAS GONZÁLEZ, ALVARO, Actuarial Calculus
ZUMBADO BERRY, FERNANDO, Statistics
ZÚÑIGA TRISTÁN, RAFAEL, Accountancy

School of Social Service: 14 professors

Faculty of Law:
ACOSTA GUZMÁN, ALFONSO, Forensic Medicine
BLANCO QUIRÓS, MIGUEL, Procedural Law
CARRO ZÚÑIGA, ALFONSO, Theory of State
CASAFONT ROMERO, PABLO, Civil Law, Contracts
DESANTI ARCE, JORGE, Agrarian and Mineral Law
ELIZONDO CERDAS, VÍCTOR, Financial Law
FALLAS MONGE, OTTO, Labour Law
FOURNIER ACUÑA, F., Public International Law
FOURNIER JIMÉNEZ, FABIO, International Public Law
GÓMEZ CALVO, MARIO, Introduction to the Study of Law
GUIER ESQUIVEL, JORGE E., History of Law
GUTIÉRREZ, CARLOS J., Philosophy of Law
HINE GARCÍA, JOSÉ, Administrative Law
MÉNDEZ SOTO, RODRIGO, Notary Law
MORELLI COZZA, F., Commercial Law
ODIO SANTOS, ULISES, Universal Laws
ORTIZ MARTÍN, GONZALO, Private International Law
ORTIZ ORTIZ, EDUARDO, Administrative Law
PADILLA CASTRO, GUILLERMO, Penal Law
PORTER MURILLO, HUGO, Criminal Procedure
QUIRÓS SALAZAR, DANIEL, Civil Law
ROJAS LÓPEZ, ANTONIO, Introduction to Law Suits
SOTELA MONTAGNÉ, ROGELIO, Roman Law
TORREALBA TORUÑO, OCTAVIO, Commercial Law
VALVERDE SOLANO, ULISES, Penal Law
VARGAS BONILLA, ISMAEL A., Constitutional Law
VARGÁS FERNÁNDEZ, E., Constitutional Law

Faculty of Medicine:
ACOSTA GUZMÁN, ALFONSO, Forensic Medicine
AGUILAR BONILLA, MANUEL, Surgery
AMADOR GUEVARA, JOSÉ, Preventive Medicine
CAMPOS, VÍCTOR M., Pharmacology
CÉSPEDES, RODOLFO, Pathological Anatomy
CORDERO, RODRIGO, Medicine
DE CÓRDOBA, DEYANIRA, Bibliography
FERNÁNDEZ, BERNAL, Microbiology
FERNÁNDEZ C., JAMES, Radiology
GAMBOA VEGA, MARIO, Gynæcology
GONZÁLEZ M., GONZALO, Psychiatry
GUTIÉRREZ SÁENZ, RODRIGO, Physiology
GUZMÁN, VESALIO, Surgery
HERNÁNDEZ, VÍCTOR M., Physio-pathology
JIMÉNEZ, JESÚS, Bio-chemistry
LÓPEZ VARELA, ESTEBAN, Surgery
MIRANDA, MARIO, Medicine
ORLICH, CLAUDIO, Surgery
QUIERCE, JOSÉ M., Surgery
ROSABAL C., FABIO E., Anatomy
RUIZ G., ARMANDO, Parasitology
SOTO PACHECO, LONGINO, Surgery
TERAN VALLS, MAX, Obstetrics

Faculty of Pharmacy:
ARGUEDAS SOTO, HERNÁN, Inorganic Pharmaceutical Chemistry
CAMPOS MONTERO, VÍCTOR, Pharmacology
CERDAS CRUZ, JAIME, Drug Analysis
GOLDBERG COSIOL, FRANCISCO, Industrial Pharmacy
GRILLO BUSTAMANTE, EDUARDO, Problems of Pharmaceutical Products
INGIANNA ACUÑA, JOSEFINA, Pharmacology
JIMÉNEZ SÁENZ, FRANKLIN, Pharmaceutical Legislation
RAMÍREZ GUEVARA, OSCAR A., Pharmaceutical Legislation
RODRÍGUEZ ZAMORA, ENNIO, Analysis of Drugs

ROJAS SÁNCHEZ, VÍCTOR J., Introduction to Pharmacognosy
SAGOT BRENES, VÍCTOR M., Pharmaceutical Administration
TREJOS FLORES, J. M., Introduction to Pharmacy
UMAÑA BRENES, RODRIGO, Pharmaceutical Administration

Faculty of Engineering:
ARAGÓN RODRÍGUEZ, FERNANDO, Design and Structural Theory
CORRALES V., CARLOS, Engineering Economics
DOBLES, MIGUEL, Topography
DOBLES VILORIA, RODOLFO, Applied Mechanics
DÓNDOLI B., CÉSAR, Geology
ESPINACH, CARLOS, Railroads
HERRERA J., RODOLFO, Rational Mechanics
KIKUT LY, EDMUNDO, Concrete Construction
LARA E., ROBERTO, Construction
LARA T., MANRIQUE, Laboratory Mechanics of Soils
LÓPEZ GONZÁLEZ, ALVARO, Chemistry
MÉNDEZ ARIAS, RENÁN, Resistance of Materials, Graphic Statics
ODIO G., EUGENIO, Topography
ORTIZ M., GONZALO, Legislation
PERALTA ESQUIVEL, ALFONSO, Electricity
QUIRÓS SASSO, MARIO, Hydraulics, Sanitary Engineering
ROJAS B., FERNANDO, Descriptive Geometry
SAGOT C., WALTER, Calculus
SALAZAR N., JOSÉ MANUEL, Economics
SÁNCHEZ ARIAS, FERNANDO, General Construction
SITTENFELD ROGER, MAX, Testing of Materials
ULATE RIVERA, CARLOS, Hydraulics
VARGAS MONTERO, FRANCISCO, Mechanics
VARGAS VARGAS, EDGAR, Architecture

Faculty of Odontology:
ACUÑA SOLERA, ELADIO, Prosthesis
AGUILAR ROJAS, CLAUDIO, General Pathology
BONILLA ROJAS, GILBERTO, Physiology
BRENES GUTIÉRREZ, FRANCISCO, Metallurgy and Dental Materials
BRENES JIMÉNEZ, VÍCTOR M., Ethics
CARMIOL BORBÓN, GERMÁN, Clinical Dentistry
CARTÍN MONTERA, HERNÁN, Operative Dentistry
CORTÉS MESÉN, HERNÁN, Operational Dentistry
CRUZ GUTIÉRREZ, ROLANDO, Histology
DE LA CRUZ M., ALVARO, Orthodontics
ESCALANTE PRADILLA, RODOLFO, Prosthesis
ESQUIVEL COOPER, JOSÉ L., Dental Surgery, Anæsthetics
FISCHEL, EDWIN, Clinical Surgery
FISCHEL ROBLES, PERCY, Prosthetics
FONSECA S., ALVARO, Human Anatomy
GARCÍA VALVERDE, RAMÓN, Dental Anatomy
MEZA PAÉZ, ELIZABETH, Endodontics
MIRANDA, GUIDO, Origins of Medicine
MONTES DE OCA VÁSQUEZ, PABLO, Crowns and Bridges
MORA ROJAS, CLODOMIRO, Periodontics
MUÑOZ SOLANO, FERNANDO, Prosthetics
ORTIZ CÉSPEDES, JOSÉ M., Materia Medica
PAULY S., RAYMOND, Clinical Periodontics
SÁNCHEZ VILLEGAS, JOSÉ M., Prosthetics
TRUQUE GURDIÁN, MARIO, Clinical Dentistry
ULLOA GAMBOA, JOSÉ J., Diagnostics

Faculty of Education: 21 professors

Faculty of Microbiology:
BRENES MADRIGAL, RODRIGO, Helminthology
BRUNKER LEHMANN, TILLMAN, Microbiology in Medicine
DE LA CRUZ M., ENRIQUE, Virus Diseases and Rickets
FERNÁNDEZ PIZA, BERNAL, General Microbiology
GRILLO BUSTAMANTE, EDUARDO, Anatomy
JIMÉNEZ QUIRÓS, OTTO, Hygiene and Public Health
LIZANO MADRIGAL, CECILIA, Chemical Analysis
LEIVA QUIRÓS, ALVARO, Medical Microbiology
MONTERO CASTRO, RAFAEL E., Microbiology of Foodstuffs
MONTERO GEI, FERNANDO, Mycology
MORA RODRÍGUEZ, JORGE A., Microbiology in Agriculture
MORERA VILLALOBOS, PEDRO, Pathology and Histology
ORTIZ CASTRO, EDGAR, Microbiology of Water
RUIZ GÓLCHER, ARMANDO, Protozoology
SÁENZ RENAULD, GERMÁN, Haematology
SÁTO PACHECO, RENATO, Mycology
ZELEDÓN ARAYA, RODRIGO, Arthropods

Faculty of Science and Letters:

Department of Philosophy:
BARAHONA JIMÉNEZ, LUIS, Philosophy of Culture
BRENES JIMÉNEZ, VÍCTOR M., Ethics
GUTIÉRREZ CARRANZA, CLAUDIO, Theory of Method
LÁSCARIS COMNENO, CONSTANTINO, History of Thought
MALAVASSI VARGAS, GUILLERMO, Medieval Philosophy
OLARTE SÁENZ DEL CASTILLO, TEODORO, Philosophical Anthropology

Department of Philology:
AGÜERO CHAVES, ARTURO, Romance Philology
ANGOTTA DE SANTORO, MARÍA, Latin
BONILLA BALDARES, ABELARDO, Spanish Literature
CORNELLI DE JIMÉNEZ, CLARA, Greek
GARNIER UGALDE, ANGELA, Introduction to Linguistics
GONZÁLEZ PICADO, JÉZER, Hispanic American Literature
SÁENZ ELIZONDO, CARLOS L., National Literature
VÍTOLA SANGIOVANNI, DOMÍNICO, Latin

Department of Chemistry:
ACUÑA, Lic. ARMANDO, Chemistry
ARAYA VARGAS, JOSÉ A., Quantitative Chemical Analysis
ARROYO CAMACHO, FRANCISCO, General Chemistry
BRAVO, Lic. ORLANDO, Chemistry
CASTAÑEDA, FERNANDO, Physico-chemistry
CHAVERRI BENAVIDES, GUILLERMO, General Chemistry
CHAVERRI RODRÍGUEZ, ADRIÁN, Organic Chemical Analysis
CHAVERRI RODRÍGUEZ, GIL., Physical Chemistry
CHAVES SÁENZ, FRANCISCO, Organic Chemistry
FREER CALDERÓN, JUANITA, Instruments
GUTIÉRREZ GUTIÉRREZ, IGNACIO, Organic Chemistry
MALAVASSI, Ing. ENRIQUE, Geology
RODRÍGUEZ ZAMORA, ENNIO, Bromatology
SCHLAGER, GUILLERMO, Industrial Organisation
SOLANO, JUAN A., Analytic Quantitative Chemistry
VITORIA GARAYO, JUAN, Industrial Biochemistry
YANKELEWITZ BERGER, SAMUEL, Unit Operations

Department of Physics and Mathematics:
ALFARO SAGOT, BERNARDO, Statistics (*Head of Department*)
CALVO, Ing. MANUEL, General Mathematics
CHAVARRÍA LOAIZA, FERNANDO, Algebra and Trigonometry
GONZÁLEZ SÁNCHEZ, FABIO, General Physics
JENKINS DOBLES, EDUARDO, General Mathematics
MCGHIE, Ing. HENRY, Physics
MARTÍNEZ MORA, JUAN F., Algebra and Trigonometry
SAGOT CASTRO, WALTER, Mathematics
TEBAS, Lic. MANUEL, Physics, Electricity and Magnetism
TREJOS, Prof. JOSÉ, Algebra
ZUMBADO BERRY, FERNANDO, Mathematics

Department of Geography and History:
AGUILAR PIEDRA, CARLOS, Archæology
BARRANTES FERRERO, MARIO, Elements of Cartography
BOZZOLI DE WILLE, MARÍA E., Cultural Anthropology
CHINCHILLA DE MORA, NINÍ, History of Geography
DENGO OBREGÓN, OMAR, Principles of Economics
GÓMEZ URBINA, CARMEN, Costa Rican History
GONZÁLEZ LUJÁN, FROYLÁN, Principles of Sociology
MALAVASSI VARGAS, ENRIQUE, Elements of Geology
MELÉNDEZ CHAVERRI, CARLOS, History and Geography of Costa Rica
MOLINA COTO DE LINES, MARÍA, History of America and Costa Rica
MONGE ALFARO, CARLOS, History and Economic Geography
NÚÑEZ VARGAS, BENJAMÍN, Sociology
OBREGÓN LORÍA, RAFAEL, History and Geography of Costa Rica
OROZCO CARRILLO, ELEXIS, Principles of Economics
POLANCO RAMÍREZ, MARÍA, Geography of Europe
RODRÍGUEZ RUIZ, ARMANDO, Modern History
SOLEY CARRASCO, RODRIGO, Economic History
VALVERDE MARÍN, JENARO, Economic Principles

Department of Biology:
BALLI PRANZINI, A., Biology, Zoology and Comparative Anatomy
DE ABATE, Dr. JOHN, Biology
JIMÉNEZ, Lic. JOSÉ M., Biology
JIMÉNEZ JIMÉNEZ, JORGE, General Biology
MAYER REINER, ALEJANDRO, Physiology and Hygiene
MORA URPÍ, JORGE, Genetics
OVIEDO SOLANO, LEONEL, Plant Anatomy
RODRÍGUEZ CABALLERO, RAFAEL L., General Botany
ROSABAL CONEJO, FABIO, Human Anatomy
SÁENZ RENAULD, JOSÉ, Biology

Conservatory of Music: 18 professors

Academy of Fine Arts: 14 professors

CUBA

Population 7,200,000

ACADEMIES

Comisión Nacional de la Academia de Ciencias de la República de Cuba: Capitolio Nacional, Havana; f. 1962; scientific research in anthropology, biology, oceanology, geography, history, mathematics, agricultural investigations, ethnology, astronomy, meteorology, geophysics, pedology, documentation, and philosophy; 14 mems.; Pres. Capt. Dr. ANTONIO NÚÑEZ JIMÉNEZ; Scientific Secretary Dr. JOSE LÓPEZ SÁNCHEZ; publs. *Poeyana*, Series A and B (Institute of Biology), *El Mundo Científico*, *Finlay* ("Carlos J. Finlay" Historical Museum of the Sciences), Los Archivos Nacionales de América Latina, *Boletín del Instituto de Historia* (Institute of History), *Boletín* and *Información Temática de Actualidad* (Institute of Technical and Scientific Documentation and Information), *Geografía* (Institute of Geography), *Etnología* (Institute of Ethnology and Folklore), *Matemática* (Department of Mathematics), *Oceanología* (Department of Oceanology).

INSTITUTES:

Instituto de Biología de la Academia de Ciencias de la República de Cuba (*Institute of Biology of the Academy of Sciences*): Capitolio Nacional, Havana; Dir. GILBERTO SILVA; the Cuban Natural History Museum, the Zoological Park of Havana, the Botanical Garden and the Cuban National Aquarium are under the direction of the Institute.

Instituto de Geografía de la Academia de Ciencias de la República de Cuba (*Institute of Geography of the Academy of Sciences*): Capitolio Nacional, Havana; library of 5,000 vols.; 198 mems.; Dir. Dr. SALVADOR MASSIP; Sec. Dr. SARAH YSALGUE; publ. *Revista*.

Instituto de Geología de la Academia de Ciencias de la República de Cuba (*Institute of Geology of the Academy of Sciences*): Dir. Dr. ANTONIO NÚÑEZ JIMÉNEZ; Sec. FRANCISCO FORMELL.

Instituto de Historia de la Academia de Ciencias de la República de Cuba (*Institute of History of the Academy of Sciences*): Compostela y Velazco, Havana; library of 25,000 vols.; Dir. Dr. JULIO LE RIVEREND.

Instituto de Documentación e Información Científica y Técnica (*Institute of Documentation and Scientific and Technical Information*): Dir. Dr. HÉCTOR TOUZA; publ. *Boletín*.

Academia Cubana de la Lengua: Calle 9, 454 Vedado; f. 1951; corresponds with the Real Academia Española.

Director: JOSÉ MARÍA CHACÓN Y CALVO.
Vice-Director: JOSÉ MANUEL CARBONELL.
Secretary: JUAN FONSECA.
Censor: MIGUEL ANGEL CARBONELL.
Treasurer: ALFREDO F. PADRÓN.
Librarian: RAIMUNDO LAZO.

MEMBERS:

FÉLIX LIZASO.
EMETERIO S. SANTOVENIA.
FERNANDO ORTIZ Y FERNÁNDEZ.
JUAN J. REMOS.
AGUSTÍN ACOSTA.
ANTONIO IRAIZOZ,
ESTEBAN RODRÍGUEZ HERRERA.
ADOLFO TORTOLÓ.
JOSÉ DE LA LUZ LEÓN.
DULCE M. LOYNAZ DE ALVAREZ DE CAÑAS (*Elected*).
ERNESTO DIHIGO (*Elected*).
LUIS A. BARALT Y ZACHARIÉ (*Elected*).
CAROLINA PONCET Y DE CÁRDENAS (*Elected*).
NÉSTOR CARBONELL RIVERO (*Elected*).
MARIO GUIRAL MORENO (*Elected*).

Academia de Ciencias Médicas, Físicas y Naturales de la Habana (*Academy of Medical, Physical and Natural Sciences*): Cuba 460; f. 1861; library of 105,000 vols.; Pres. Dr. CLEMENTE INCLÁN; Sec. Dr. LUIS F. LEROY; publs. *Anales, Revista Científica*.

Academia de Derecho Internacional de la Habana (*Academy of International Law*): Paula 251; f. 1915; 125 mems.; Pres. Prof. CÉSAR SALAYA; Sec. Dr. ANTONIO LINARES FLEYTAS; publ. *Anuario*.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

BOTANY

Havana

Sociedad Cubana de Botánica.

Jardín Botánico de la Universidad de la Habana (*Havana University Botanical Gardens*): Carlos III and Infanta; f. 1817 as Jardín Botánico de La Habana by the Sociedad Patriótica de Amigos del País; incorp. with Faculty of Science, Havana Univ., 1866; includes a botanical library and museum; Dir. Dr. EVANGELINA SUÁREZ PÉREZ.

ENGINEERING

Havana

Sociedad Cubana de Ingenieros (*Cuban Engineers' Association*): Ave. de Bélgica 258; f. 1908; library of 9,000 vols.; 500 mems.; Pres. Ing. EDUARDO I. MONTOULIEU; Sec. Ing. HONORATO COLETE; publ. *Revista* (bi-monthly).

FINE ARTS

Havana

Círculo de Bellas Artes: Industria 458.

Sociedad Pro-Arte Musical (*Musical Society*): Calzada 510; Vedado; f. 1918; 4,500 mems.; Pres. CONCHITA GIBERGA DE OÑA; publ. *Revista de Pro-Arte* (bi-monthly).

Santiago

Asociación Más Luz: Calle 11, No. 33; its sections include a library (f. 1932) of 14,500 vols.; a historical museum (f. 1942); a periodicals library (*Hemeroteca José Martí*); and an art gallery; the Association organises annual exhibitions of painting and sculpture; publ. *Memorial Más Luz* (annual).

LAW AND POLITICS

Havana

Instituto Americano de Derecho Internacional (*American Institute of International Law*): Paula 251; f. 1919; Dir. Dr. RICARDO J. ALFARO; publ. *Revista de Derecho Internacional* (quarterly).

Sociedad Cubana de Derecho Internacional (*Cuban International Law Society*): Concordia 166, Dept. 203; f. 1915; 132 mems.; Pres. CÉSAR SALAYA; Sec. Dr. PABLO F. LAVÍN Y PADRÓN; Treas. Dr. ANTONIO LINARES; publs. *Revista, Anuario*.

Instituto de Política Internacional (*Institute of International Politics*): Ministry of Foreign Affairs, Havana; f. 1962; 11 mems.; Principal Officers Dr. FERNANDO ALVAREZ TABÍO, Dr. JUAN B. MORÉ BENÍTEZ, Dr. ELOY G. MERINO BRITO, Dr. MARIANO RODRÍGUEZ SOLVEIRA, Dr. JULIO LE RIVEREND BRUSSONE; publ. *Política Internacional* (quarterly review).

LITERATURE

Havana

Alilanza Francesca de Cuba: Avda. de los Presidentes 405, Vedado.

Asociación Bibliográfica Cultural de Cuba (*Bibliographical Cultural Association*): Calle 10, No. 356, Vedado; f. 1935; 150 mems.; Pres. Dr. JULIO VILLOLDO; Secs. Sra. MARÍA TERESA FREYRE DE ANDRADE and JOSÉ CONANGLA.

Ateneo de La Habana (*Havana Athenaeum*): Calle 9 No. 454, Vedado; f. 1902; Pres. Dr. JOSÉ M. CHACÓN Y CALVO; Sec. Dr. JOSÉ M. FUENTE CARRETERO.

Casa de las Américas: G y Tercera, Vedado; f. 1960; cultural institution dedicated to the promotion of understanding between the Latin American countries and to inform the Cuban public of events in this field; sponsors literary and music festivals, publishing works selected by an international jury; holds festivals in Havana of Latin American drama; organises exhibitions of Latin American art; arranges conferences on literary, artistic and scientific themes; documentary centre attached; maintains the public library "José A. Echevarría", with 20,000 vols; publs. *Casa de las Américas, Conjunto*.

Unión de Escritores y Artistas de Cuba: Pres. NICOLÁS GUILLÉN.

METEOROLOGY, ASTRONOMY

Havana

Observatorio del Colegio de Belén (*Belén College Observatory*): Apdo 221; f. 1858; Dir. JOSEPH R. GOBERNA S.J.; library of over 20,000 vols.; publs. yearly meteorological observations (1858–1925), hurricane studies and predictions; occasional papers.

Observatorio Nacional (*National Observatory*): Casa Blanca; f. 1902; Dir. JOSÉ CARLOS MILLÁS; publs. *Boletín* (quarterly).

Cienfuegos

Observatorio del Colegio "Nuestra Señora de Montserrat" (*Our Lady of Montserrat College Observatory*): San Fernando 263, Apdo. 405, Cienfuegos L.V.; f. 1910; acts as a meteorological station for the Observatorio del Colegio de Belén, Havana, and the Weather Bureau, Washington; Dir. JOSEPH R. GOBERNA, S.J.; Assist. Dir. ESTEBAN BEDOYA, S.J.; publs. *Anales* (1911-1922).

SCIENCE, MEDICINE

Havana

Circulo Médico de Cuba (*Cuban Medical Circle*): Ave. A. Maceo 61.

Consejo Nacional de Tuberculosis (*National Tuberculosis Council*): Avda. Columbia y 8a, Marianao; Dir. Dr. ERNESTO BELLO.

Instituto Cubano de Investigaciones Tecnológicas (*Cuban Institute of Technological Research*): Apdo. 6019, Arroyo Naranjo.

Instituto Cubano de Investigaciones de los Derivados de la Caña de Azúcar (*Cuban Institute of Research into Sugar Cane By-products*): Vía Blanca y Carretera Central.

Instituto de Cáncer (*Institute of Cancer*): Hospital Calixto García.

Instituto de Nutrición (*Institute of Nutrition*): Calle 23 No. 1670, Vedado.

Instituto Dietético Nacional (*National Dietetic Institute*): Calle 26, No. 322, Vedado.

Instituto Finlay: Avda. Infanta y Crucero; f. 1927; scientific research and health instruction; Dir. Dr. OSCAR MATEO DE ACOSTA; publs. *Boletín Oficial del Ministerio de Salubridad y de Asistencia Social*, scientific works; library and museum.

Instituto Nacional de Investigación Cientifica (*National Institute for Scientific Research.*)

Sociedad Cubana de Cardiología (*Cuban Society of Cardiology*): Línea No. 8, Apdo. 55, Vedado.

Sociedad Cubana de Cirugia (*Cuban Surgical Society*).

Sociedad Cubana de Historia de la Medicina (*Cuban Society of the History of Medicine*): Cuba NRO 460, Havana 1; Pres. Dr. ESTEBAN VALDES CASTILLO; Sec.-Gen. CÉSAR RODRÍGUEZ ESPÓSITO.

Sociedad Cubana de Pediatría (*Cuban Pædiatrics Society*): Edificio Radiocentro, Vedado; f. 1928; publ. *Boletín*.

Sociedad Cubana de Tisiología (*Cuban Society of Phthisiology*): Virtudes 618.

Sociedad de Estudios Clínicos de la Habana (*Society of Clinical Studies*): Manrique 412.

Sociedad de Radiología de la Habana (*Havana Radiological Society*): f. 1926; reorganised 1964; Dir. Dr. JOSÉ JORDÁN DESQUIRON.

Sociedad Nacional de Anestesiologia (*National Society of Anaesthesiology*): Ave. de los Presidentes 506, Vedado.

MISCELLANEOUS

Havana

Centro Asturiano (*Asturian Centre*): San Rafael No. 3, entre Zulueta y Monserrate; f. 1886; library of 21,000 vols.; Dir. JUAN VÁZQUEZ CABRERA.

Instituto de Documentación e Información Científica y Técnica: Academia de Ciencias, Capitolio Nacional, Havana; f. 1962; Dir. Dr. HÉCTOR TOUZA.

Instituto Interamericano de Historia Municipal e Institucional (*Inter-American Institute of Municipal History and History of Institutions*): Leonor Pérez 251; f. 1943; Pres. ANDRÉS ANGULO Y PÉREZ; Sec. JOSÉ L. FRANCO.

Instituto Nacional de Previsión y Reformas Sociales (*National Institute of Social Reform*): Avenida de los Presidentes 52, Vedado; f. 1935; library of 25,000 vols.

Departamento de Antropología: Academia de Ciencias de Cuba, Calle Prado 212; f. 1963; comprises four sections: Archæology, Physical Anthropology, Paleo-ethnography, History of Art (aboriginal and colonial of Cuba); activities concerned mainly with research; over 500,000 specimens in archæological collections; laboratories; library; Dir. ERNESTO E. TABÍO; Sub-Dir. JOSÉ M. GUARCH; publs. six monographs annually.

Sociedad de Estudios Afrocubanos: (*Afro-Cuban Folklore Society*): Calle 27, No. 160; f. 1924; Pres. Dr. FERNANDO ORTIZ.

Sociedad del Folklore Cubano (*Cuban Folklore Society*): Calle 27 No. 160; f. 1923; Pres. Dr. FERNANDO ORTIZ; publ. *Archivos del Folklore Cubano*.

Sociedad Económica de Amigos del País: Carlos III 710; f. 1793; library (*see under* Libraries); 75 mems.; Pres. Dr. A. M. ELIGIO DE LA PUENTE; Sec. Dr. FEDERICO CASTILLO PASTRANA; publs. *Memorias, Revista Bimestre Cubana*.

Sociedad Hispano-Cubana de Cultura (*Spanish-Cuban Cultural Society*): Calle 27, No. 160, Vedado; f. 1926; 500 mems.; Pres. Dr. FERNANDO ORTIZ.

LIBRARIES AND ARCHIVES

Havana

Archivo Histórico Municipal de la Habana (*Municipal Archives of Havana*): Plaza de Catedral.

Archivo Nacional de Cuba (*Cuban National Archives*): Compostela y Velasco; f. 1840; controlled by the Instituto de Historia; 16,000 vols.; Dir. JULIO LE RIVEREND BRUSONE.

Biblioteca Braille para Ciegos de la Asociación Cubana de Ciegos (*Braille Library of the Cuban Association of the Blind*): Carmen 213, Vibora; f. 1935; 250 vols.

Biblioteca Braille-Hauy del Comité pro Biblioteca Pública e Imprenta para Ciegos (*Public Braille Library for the Blind*): Finlay entre Varona y Asunción, Los Pinos; f. 1939; Dir. ZACARÍAS ALVISA; 400 vols.

Biblioteca del Instituto de Segunda Enseñanza No. 1 de la Habana: Zulueta y San José; circulating library 3,000 vols., general library 33,500 vols.; Dir. MANUEL CASTELLANOS RODILES.

Biblioteca de la Logia Martires de la Libertad (*Library of the Martyrs for Freedom Lodge*): Castillo 253; f. 1937; Libr. LORENZO FERNÁNDEZ; 6,107 vols.

Biblioteca de la Sociedad Económica de Amigos del País (*Library of the Economic Society of the Friends of the Country*): Carlos III, 710; 360,000 vols., 350,000 periodicals; collection of Havana newspapers prior to 1878; Librarian Dra. BERTA BECERRA (*see also* entry under Professional Schools).

Biblioteca del Colegio de Abogados (*Library of the College of Advocates*): Lamparilla 114 esq. Cuba; f. 1880; Dirs. Dr. GREGORIO DEL REAL ALONSO (Admin.) and ANDRÉS ALONSO SÁNCHEZ (Technical); 28,000 vols.; publ. *Revista* (quarterly); annual competitions on legal subjects; lectures; private library.

Biblioteca del Colegio de Belén (*Library of the Belén Jesuit College*): Apdo. 221, Marianao; f. 1954; library contains 25,000 vols. in the *Biblioteca General*, 24,000 vols. in the *Biblioteca Cubana*, 18,000 vols. in the *Biblioteca del Observatorio* and 5,000 vols. in the *Biblioteca Hispánica*; Pres. R. MIGUEL ANGEL LARRUCEA, S.J.; Sec. RICARDO CHISHOLM, S.J.; publ. *Ecos de Belén* (three times a year).

Biblioteca del Consejo Nacional de Tuberculosis "Paulina Aldina" (*Library of the National Council of Tuberculosis*): Calzada de Colombia y Octava, Marianao; f. 1946; Dir. Dr. ERNESTO BELLO; 5,000 vols., partly for patients' loan service and partly scientific for use of doctors; periodicals library.

Biblioteca del Instituto de Pre-universitario de La Habana (*Library of the Pre-University Institute of Education*): Zulueta y San José; f. 1894; Dir. JOSÉ MANUEL CASTELLANOS RODILES; 32,000 vols.; rare works dating from 1605; newspaper library.

Biblioteca del Museo de Zoología (*Library of the Zoological Museum*): 13 No. 351, Vedado; Dir. MIGUEL L. JAUME; 29,500 vols.; publs. *Circulares del Museo de Zoología, Catálogo de los Moluscos de Cuba, Entomología Cubana.*

Biblioteca del Seminario "El Buen Pastor" (*Library of the Buen Pastor Seminary*): Arroyo Arenas; 8,000 vols.

Biblioteca del Senado (*Senate Library*): Capitolio Nacional; f. 1909; 8,000 vols.

Biblioteca Central "Rubén Martínez Villena" de la Universidad de la Habana (*Havana University Library*): f. 1728; 202,881 vols. and numerous periodicals; there are specialised libraries attached to the Faculties and Laboratories; separate collection of Cuban authors; complete copy of *Historia Física, Política y Natural de la Isla de Cuba*, in Spanish, printed in Paris 1837-57 by Ramón de la Sagra; open to the public; acquired in 1947 the library, Cuban and general, of Dr. Néstor Carbonell y Rivera; Dir. Dr. BLANCA BAHAMONDE.

Faculty and School Libraries

Biblioteca de la Escuela de Agronomía "José Comallonga y Mena" (*Library of the School of Agriculture*: f. 1939; *c.* 9,300 vols.

Biblioteca de la Facultad de Ciencias "Pablo Miguel Merino" (*Library of the Faculty of Science*): f. 1960; *c.* 1,500 vols.

Biblioteca de la Escuela de Ciencias Jurídicas "Julio Antonio Mella" (*Library of the Faculty of Juridical Sciences*): f. 1934; 6,650 vols.

Biblioteca de la Escuela de Ciencias Políticas (*Library of the School of Political Sciences*): f. 1957; 7,750 vols.

Biblioteca de la Escuela de Educación "Conrado Benitez" (*Library of the School of Education*): f. 1961; 8,434 vols.

Biblioteca de la Escuela de Estomatología "Federico Poey" (*Library of the School of Stomatology*): f. 1946; 4,692 vols.

Biblioteca de la Escuela de Farmacia "Antonio Guiteras" (*Library of the School of Pharmacy*): f. 1956, reconstituted 1960; 1,414 vols.

Biblioteca de la Escuela de Medicina (*Library of the School of Medicine*): f. 1934; *c.* 30,000 vols.

Biblioteca de la Escuela de Física "Federico Joliot Curie" (*Library of the School of Physics*): f. 1963; *c.* 1,420 vols.

Biblioteca de la Escuela de Letras e Historia (*Library of the School of Literature and History*): f. 1952; *c.* 15,000 vols.

Biblioteca de la Escuela de Química "Gerardo Fernández Abreu" (*Library of the School of Chemistry*): f. 1953; 743 vols.

Biblioteca de la Facultad de Tecnología "José Ramón Rodríguez López" (*Library of the Faculty of Technology*): f. 1934; *c.* 14,000 vols.

Biblioteca de la Escuela de Veterinaria (*Library of the Veterinary School*): f. 1944; 2,196 vols.

Biblioteca Histórica Cubana y Americana (*Cuban and American Historical Library*): Municipio de La Habana, Oficina del Historiador de la Ciudad; f. 1938; lending library based on the private collections of Emilio Roig de Leuchsenring, Fermín Peraza y Sarausa, Enrique Gay Galbó, Mario Guiral Moreno, Raquel Catalá, José Luciano Franco, Emeterio S. Santovenia, Gerardo Castellanos, Félix Lizaso, Elias Entralgo, Julio Villoldo, Joaquín Llaverías, Federico Córdova, Manuel Bisbé, Roberto Agramonte, Federico Castaneda, and Mario Sánchez Roig.

Biblioteca "José Martí" del Instituto Edison (*Library of the Edison Institute*): Milagros y Párraga, Víbora; f. 1938; Libr. ANA MARÍA RODRÍGUEZ.

Biblioteca "Labra Parajón" del Centro Asturiano de la Habana (*Library of the Asturian Centre of Havana*): San Rafael entre Zulueta y Monserrate; f. 1928; 21,000 vols.

Biblioteca Municipal (*Municipal Library*): Prado 205; f. 1920; belongs to Dirección General de Bibliotecas; two suburban brs. at Santos Suárez and El Cerro; 25,730 vols.; publs. *Memorias*, works on popular culture, bibliographies, indices, etc.; Dir. MARÍA TERESA FREYRE DE ANDRADE.

Biblioteca Nacional "José Martí" (*National Library*): Apdo. Oficial No. 3, Plaza de la República; f. 1901; Dir. MARÍA TERESA FREYRE DE ANDRADE; 800,000 vols., maps, drawings, engravings, records and reproductions. The library includes the following Departments: Reference, Book Selection, Exchange, Collective Catalogue, Cuban Bibliography, Philology of Infantile Narrations, Technical and Humanistic Information Service, Juvenile, Serials; two circulating libraries. Also theatre, exhibition room, accommodation for research

workers, laboratory, book deposit. Publs. *Revista de la Biblioteca Nacional, Revista de Música, Colección de Partituras Cubanas, Manuales Técnicos de Bibliotecología.*

Biblioteca Pública "Gener y del Monte": Independencia No. 17; f. 1935; 27,000 vols.; Dir. JORGE A. SCHWEYER.

Biblioteca "Rafael Ma. de Labra" del Casino Español (*Library of the Spanish Club*): Paseo de Martí 302; 2,000 vols. Spanish, English and French literature.

GOVERNMENT LIBRARIES

Havana

Biblioteca "Alfredo M. Aguayo": Ministerio de Educación, Ciudad Libertad, Marianao; f. 1931; 23,000 vols.; Dir. Dr. HERMES CABALLERO CARRERA.

Biblioteca del Ministerio de Estado (*Library of the Ministry of State*): Capdevila 2; f. 1902; Dir. JOAQUÍN NAVARO RIEVA; 3,000 vols.

Biblioteca del Ministerio de Agricultura (*Library of the Ministry of Agriculture*): 23 y P, Vedado.

Biblioteca del Ministerio de Hacienda (*Library of the Ministry of Finance*): Obispo y San Ignacio; Librarian JULIO VILLOLDO.

Biblioteca de la Dirección General de Estadística: Calle Cuba; f. 1935; 14,000 vols.; Librarian BLANCA GONZÁLEZ SIMÓ.

Matanzas

Biblioteca del Instituto de Segunda Enseñanza de Matanzas (*Library of the Secondary Education Institute*): f. 1898; 15,000 vols.; Dir. VIRGILIO IZQUIERDO.

Santa Clara, Las Villas

Biblioteca General de la Universidad Central de las Villas: f. 1953; 75,000 vols.; Librarian Prof. NATHAN GALPERT.

Santiago

Asociación "Más Luz": Calle 11, 33; 14,500 vols.

Biblioteca Central de la Universidad de Oriente: f. 1947; 118,000 vols.; Librarian Lic. GILMA RIERA TEJERINA.

Biblioteca Municipal "Elvira Cape de Bacardi": Calle Aguilera; f. 1898; 16,500 vols.

MUSEUMS

Havana

Museo Nacional (*National Museum*): Palacio de Bellas Artes, Animas entre Zulueta y Monserrate; f. 1913; includes examples of works of art from Egypt, Greece, Rome, Italy (Renaissance and XVII–XVIII centuries), Low Countries, France, England and Spain and an exhibition of Cuban art from the colonial period to the present day; Dir. ANTONIO RODRÍGUEZ MOREY; Sub-Dir. NATALIA BOLÍVAR ARÓSTEGUI.

Museo Antropológico Montané (*Anthropological Museum*): Universidad de La Habana; some collections date from 1847; exhibits include objects relating to American and Cuban ethnology, the primitive (pre-discovery) cultures of Cuba and the Antilles, deriving from archælogical expeditions; also collections relating to Asia, Africa, Oceania and the Americas; notable collections of Cuban objects connected with ritual, magic, witchcraft, "ñañiguismo" (Cuban Negroes' secret society), folklore, etc.; Dir. Dr. MANUEL RIVERO DE LA CALLE.

Museo Agrícola y Exposición Permanente (*Agricultural Museum*): Ministerio de Agricultura; exhibits show the main products of the country, as well as those devoted to agriculture and mining; Curator ARCHIBALD DURLAND Y NIETO.

Museo Cubano de Ciencias Naturales: 13 No. 351, Vedado; Dir. MIGUEL L. JAUME.

Museo de Arte Popular: Plaza de la Catedral; exhibitions of Cuban and foreign artists.

Museo de Criminología (*Criminology Museum*): Saravia y Zequerira, Cerro.

Museo de Historia Natural (*Natural History Museum*): Calle 48, 1910 Marianaa; f. 1928; library of 20,000 vols.; Dir. M. SÁNCHEZ ROIG.

Museo de la Ciudad de la Habana: Plaza de la Catedral, Palacio de Lombillo; f. 1947; historical items from aboriginal times to the present.

Museo del Arte del Siglo XVIII: f. 1962; porcelain, furniture, and other objects of the period.

Museo Histórico de las Ciencias Médicas "Carlos J. Finlay" (*Carlos J. Finlay Historical Museum of Medical Science*): 460 Calle Cuba, P.O. Box 70; controlled by the Comisión Nacional de la Academia de Ciencias de la República de Cuba; f. 1962; library of 50,000 vols.; permanent exhibition of items relating to Cuban doctors and history of medicine and also history of science; Dir. Dr. JOSÉ LÓPEZ SÁNCHEZ.

Museos del Instituto de Segunda Enseñanza (*Museums of the Institute of Secondary Education*): comprise museums of Natural History, Botany, Mineralogy, Grundlach Museum of Zoology and Ornithology, and "Antonio Modesto del Valle Iznaga" Zoological Museum.

Museo José Martí: Leonor Pérez 314; relics of José Martí, his works, iconography and bibliography; f. 1925 by Arturo R. de Carricarte, who purchased the martyr's birthplace to make it a national monument; Curator MANUEL I. MESA RODRÍGUEZ.

Museo Napoleónico: San Miguel y Ronda; f. 1961; paintings, sculptures, furniture, bronzes, porcelain, weapons, clothing and other historical objects and works of art of Revolutionary, Imperial and Directorate France.

Museo Poey (*Poey Museum*): Facultad de Ciencias, Universidad de La Habana; f. 1902; 100,000 exhibits; zoological general collections and Cuban; Dirs. Dr. C. G. AGUAYO and Dr. ABELARDO MORENO.

Museo "Carlos de la Torre y Huerta" (*Carlos de la Torre y Huerta Museum*): Ave. de Italia entre Lagunas y Animas; natural history and malacology.

Cárdenas

Museo Municipal Oscar M. de Rojas: Avda. de José Martí; f. 1903; exhibits relating to Martí; library; Curator OSCAR M. DE ROJAS Y CRUZAT.

Matanzas

Museo Arqueológico Francisco Ximeno (*Archæological Museum*).

Museo Municipal de Mantanzas (*Municipal Museum*): Dir. Dr. ISRAEL M. MOLINER.

Pinar del Río

Museo de Pesca de la Escuela Naval del Mariel (*Museum of Marine Fauna*): Naval Academy, Mariel, Pinar del Río; f. 1943; rare specimens of deep-sea fish; Dir. LUIS HOWELL RIVERO, D.S.

Remedios

Museo de Remedios "José María Espinosa": Maceo 32; f. 1933; history, science, and art; Pres. Dr. CARLOS A. MARTÍNEZ-FORTÚN; Dir. ALBERTO VIGIL Y COLOMA.

Santiago

Museo Histórico de la Asociación Más Luz (*Historical Museum*).

Museo "Emilio Bacardi Moreau": Aguilera y Pio Rosado; f. 1898; Natural history, art; Dir. FERNANDO BOYTEL JAMBÚ.

UNIVERSITIES

UNIVERSIDAD DE LA HABANA

SAN LAZARO Y L, VEDADO,
HAVANA
Telephone 7-1078
Founded 1728

The University was reorganised in 1863, 1943 and 1960.

Rector: Ing. SALVADOR VILASECA FORNÉS.
Vice-Rector of Student Affairs: Ing. JOSÉ J. DEL PORTILLO VÁZQUEZ.
Vice-Rector of Administrative Affairs: ESTANISLAO TAMÉS.
Vice-Rector of International Affairs and Research: Dr. JUAN A. PROHIAS.
Administrative Secretary: Dr. GUILLERMO GUERRA MEDELLÍN.
Librarian: Dr. BLANCA BAHAMONDE.

Number of teachers: 2,187.
Number of students: 18,977.
Publications: *Universidad de la Habana, Boletín Oficial Universitario, Vida Universitaria, Biblioteca de Autores Cubanos*, and others not periodically.

DEANS:

Faculty of Humanities: Dr. ELÍAS ENTRALGO VALLINA.
Faculty of Sciences: Dr. RUTH DAISY HENRÍQUEZ.
Faculty of Technology: Ing. MIGUEL LLANERAS RODRÍGUEZ.
Faculty of Agropecuarian Sciences: Dr. ORLANDO LANDA BACALLAO.
Faculty of Medical Sciences: Dr. RAÚL DORTICÓS TORRADO.
Preparatory Faculty for Rural and City Workers: Dr. REINALDO CASÍN GONZÁLEZ.

DIRECTORS:

Faculty of Humanities:
Department of Philosophy: Dr. GASPAR J. GARCÍA GALLÓ.
School of Letters Dra. VICENTINA ANTUÑA.
School of History: Dr. SERGIO AGUIRRE CARRERAS.
School of Juridical Sciences: Dr. HÉCTOR GARCINI GUERRA.
School of Political Science: Dr. RAÚL ROA GARCÍA.
School of Education: Dra. DULCE MA. ESCALONA ALMEIDA.
School of Economics: Dr. PEDRO MARINELLO VIDAURRETA.

Faculty of Sciences:
School of Mathematics: Dr. CELIAR SILVA REHERMAN.
School of Physics: Dr. JUAN A. PROHIAS RODRÍGUEZ.
School of Chemistry: Dra. REBECA LEÓN RAMÍREZ.
School of Biological Sciences: Dra. MARCOS A. ZORRILLA.
School of Geology: Dra. OTMARA ABELLO SUÁREZ.
School of Psychology: Dr. ERNESTO GONZÁLEZ PUIG.

Faculty of Technology:
School of Civil Engineering: Ing. GUILLERMO CEBALLOS BRITO.
School of Electrical Engineering: Ing. FAUSTINO ESTEVA SIRVÉN.
School of Mechanical Engineering: Ing. CARLOS M. NODAR PETIT.
School of Mining and Metallurgical Engineering: Ing. DIOSDADO PÉREZ FRANCO.
School of Industrial Engineering: JOSÉ M. PORTILLO VÁZQUEZ.
School of Architecture: Arq. ROBERTO CARRAZANA GÓMEZ.

Faculty of Agropecuarian Sciences:
School of Agronomy: Ing. ENRIQUE LANZA PUJADAS.
School of Veterinary Medicine: Dr. ORLANDO LANDA BACALLAO.
School of Zootechnology: Dr. GUILLERMO LEIVA GONZÁLEZ.

Faculty of Medicine:
School of Medicine: Dr. MARIANO VALVERDE MEDELL.
School of Stomatology: Dr. ERNESTO POUSSIN PADRÓN.

UNIVERSIDAD DE ORIENTE
AVE. PATRICIO LUMUMBA S/N,
SANTIAGO DE CUBA, ORIENTE
Telephone: 4262 and 7977

Founded 1947

Rector: Dr. JOSÉ ANTONIO PORTUONDO VALDOR.
Vice-Rector of Student Affairs: Dr. FRANCISCO MASÓ VÁZQUEZ.
Vice-Rector of Research and International Affairs: Dr. JOSÉ F. FERNÁNDEZ BERTRAN.
Vice-Rector for Economic and Administrative Affairs: Lic. ROLANDO SILVA ISALGUÉ.
Administrative Secretary: Dr. GUILLERMO INFANTE ANTÚNEZ.
Librarian: Lic. GILMA RIERA TEJERINA.

Number of teachers: 355.
Number of students: 3,378.
Publication: *Revista de la Universidad de Oriente.*

DEANS:

Faculty of Humanities: Dr. FRANCISCO PRAT PUIG.
Faculty of Technology: Ing. RICARDO GONZÁLEZ GÓMEZ.
Faculty of Sciences: Dr. LUIS ESTÉVEZ MACKENN.
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Telephone: 4581

Founded 1948

Rector: Dr. SILVIO DE LA TORRE GROVAS.
Registrar: RAMÓN SAUCEDO COMPANIONI.
Librarian: Prof. NATHAN GALPERT.

Number of teachers: 337.
Number of students: 4,000.
Publications: numerous non-periodical publications.

DEANS:

Faculty of Technology: Ing. EFRÉN ARAGÓN.
Faculty of Agropecuarian Studies: Ing. MANUEL PELÁEZ.
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SCHOOLS OF ART AND MUSIC AND PROFESSIONAL SCHOOLS

Havana

Academia Municipal de Artes Dramáticas: 23 Calle, No. 1003, Vedado.

Conservatorio de Música "C. A. Peyrellade" (*Academy of Music*): Dir. JUANA VALLES DE PÉREZ GOÑI.

Conservatorio Municipal de Música (*Municipal Academy of Music*).

Escuela Nacional de Bellas Artes "San Alejandro" (*National School of Fine Arts*): Dragones 308; f. 1818 as Academia de San Alejandro; formerly Escuela de Pintura, organised by the French painter, Jean Baptiste Vermay; 800 students; Dir. DOMINGO RAMOS ENRÍQUEZ; affiliation:

Escuela Elemental de Artes Plásticas Aplicadas (*School of Applied Plastic Arts*).

Havana Business University: Línea 357–361, Vedado; f. 1947; languages, commerce.

Prometeo: School of Dramatic Art.

Sociedad Económica de Amigos del País. Escuela Cubana de Bibliotecarios (*Cuban Library School*): Carlos III No. 710; f. 1950; Dir. Dra. BERTA BECERRA.
Number of staff: 10.
Number of students: 16.

Teatro Estudio (*Dramatic Art*): Calle Neptuno.

CYPRUS

Population 590,000

LEARNED SOCIETIES

British Council, The: 17/19 Archbishop Makarios III Avenue, Nicosia; Rep. G. A. BRIDGES; library, *see below*.

Etaireia Kypriakon Spoudon (*Society of Cyprus Studies*), P.O. Box 1436, Nicosia; f. 1936; aims: the collection, preservation and study of material concerning all periods of the history, dialect and folklore of Cyprus, and the organisation of popular art there; the Society maintains a Museum of Cypriot Folk Art; Pres. Dr. K. SPYRIDAKIS; Vice-Pres. V. KARAGEORGHIS; Sec. and Librarian G. PAPACHARALAMBOUS; Treas. TH. PAPADOPOULLOS; library 1,000 vols.; 250 mems.; publ. *Kypriakai Spoudai* (Cyprus Studies) 1937.

Goethe Institute: P.O.B. 1813; f. 1959; Dir. F. POMMERENCKE.

Greek Library Association of Cyprus: P.O.B. 1039, Nicosia; f. 1962; promotes library science and professional activities; 30 mems.; Pres. COSTAS D. STEPHANOU.

LIBRARIES

British Council Library: 17 Archbishop Makarios III Ave., Nicosia; f. 1940, re-established 1955; 20,000 vols.

Cyprus Public Library: Nicosia; f. 1926 as a private institution with Government grant, reorganised 1938; now run by the Municipality; 6,500 vols.; Librarian M. BISTIS.

Library of the Archbishopric: P.O. Box 1130 Nicosia; f. 1821; 5,000 vols.; Librarian Prof. ANDREAS N. MITSIDES.

Library of the Paedagogiki Academia (Teachers' Training College): Nicosia; 15,000 vols. Greek and English; Librarian COSTAS D. STEPHANOU.

Library of the Famagusta Greek Gymnasium: P.O. Box 80, Famagusta; f. 1937; 6,000 vols.; Librarian D. A. KYPRIANOU.

Library of Phaneromeni: P.O. Box 237, Nicosia; f. 1934, 24,000 vols.; Librarian CONSTANTINE HADJIPSALTIS.

Library of the Pan-Cyprian Gymnasium: P.O. Box 34, Nicosia; f. 1927; 30,000 vols.; Librarian G. N. ROSSOS.

Library of the Cyprus Museum: P.O. Box 448, Nicosia; f. 1883; incorporated in Dept. of Antiquities 1934; 10,000 vols.; Librarian D. Y. DANIEL.

Municipal Library: P.O. Box 41, Famagusta; f. 1954; reference and lending section, an educational films projecting section and art gallery (The Famagusta Municipal Art Gallery); 10,000 vols.; Librarian and Curator G. PH. PIERIDES.

Sultan's Library: Evcaf, Nicosia; f. by Sultan Mahmud II; collection of Turkish, Persian and Arabic books.

Turkish Public Library: 49 Mecediye Street, Nicosia; f. 1955; about 2,000 vols.; Librarian Mrs. HATICE HÜSSEYIN.

There are also Municipal Libraries in Ktima, Larnaca, Limassol and Paphos.

MUSEUMS

Cyprus Museum, The: P.O. Box 448, Nicosia; f. 1883; inc. in Dept. of Antiquities 1934; Curator K. NICOLAOU.

The Cyprus Museum displays (1) pottery from the Neolithic and Chalcolithic periods to the Roman Age, and a small collection of medieval pottery; (2) terracotta figures of the first millennium B.C. to Roman times; (3) limestone and marble sculpture from the Archaic to the Roman Age; (4) jewellery from the Bronze Age, and especially the Mycenæan period (1400-1200 B.C.) to early Byzantine times, and coins from the sixth century to Roman times; (5) miscellaneous collections, including inscriptions (Phoenician, Cypriot and Greek), bronzes, glass, alabaster, bone, etc. An interesting feature is the room of reconstructed tombs. Extensive reserve collections are available for students. Medieval objects are temporarily housed in annexes.

An archæological library (*see above*) is housed in the Cyprus Museum building and is open to students.

Publs. *A Guide to the Cyprus Museum* (in English and Greek), *Report of the Department of Antiquities, Annual Report of the Director of Antiquities.*

Folk Art Museum: P.O. Box 34, Nicosia; f. 1950; Cyprus arts and crafts from early to recent times; mainly Cypriot Greek items.

Lapidary Museum: Nicosia; mediæval tombstones, marble lintels, carved stones of palaces, churches, etc.

Museum of Byzantine Icons: Nicosia; belongs to the Church; collections of icons from 11th century onward.

District Museums: Limassol, Larnaca and Paphos, and local museums in Famagusta, Episkopi (Curium) and Kouklia (Old Paphos).

COLLEGES

Paedagogiki Academia (*Teachers' Training College*): Nicosia; f. 1959; 3-year courses for elementary school teachers; Principal FRIXOS P. VRACHAS, M.A.; 18 teachers, 120 students; publ. *Paedagogiki Academia Epediris.*

Technical Institute: Nicosia; courses in machine shop-fitting and turning, blacksmithing, welding and sheet-metal work, motor vehicle repair, electrical installation and radio and television mechanics; separate Building Trades Dept.

CZECHOSLOVAKIA

Population 13,951,473

ACADEMIES

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(Czechoslovak Academy of Sciences)

NÁRODNÍ TŘ. 3, PRAGUE 1

Founded 1952.

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Publs. include: *Acta entomologica Bohemoslovaca, Acta technica, Acta virologica* (English and Russian edition), *Aplikace matematiky, Archeologické rozhledy, Archív orientální, Biologia Plantarum, Bjulleten astronomičeskich institutov Čechoslovakii, Bulletin of the Astronomical Institutes of Czechoslovakia, Byzantinoslavica, Collection of Czechoslovak Chemical Communications, Časopis pro mineralogii a geologii, Časopis pro mezinárodní právo, Časopis pro pěstováni matematiky, Čechoslovackij fizičeskij žurnal, Czechoslovak Journal of Physics, Čechoslovackij matematičeskij žurnal, Czechoslovak Mathematical Journal, Česká literatura, Česká mykologie, Československá fysiologie, Československá psychologie, Československá rusistika, Československý časopis historický, Československý časopis pro fysiku, Česky lid, Ekonomicko-matematický obzor, Estetika, Filosofický časopis, Folia biologica, Folia microbiologica, Folia morphologica, Hudebni věda, Chemické listy, Kybernetika, Lidé a země, Listy filologické, Naše reč, New Orient Bi-monthly, Nový orient, Památky archeologické, Pedagogika, Philologia Pragensia, Physiologia bohemoslovenica, Pokroky matematiky, fysiky a astronomie, Politická ekonomie, Právník, Preslia, Rozpravy Československé akademie věd, Sborník společnosti Čs. zeměpisné, Silikáty, Slavia, Slezský sborník, Slovansky přehled, Slovo a slovesnost, Sociologický časopis, Studia geophysica et geodaetica, Umění, Vesmír, Věstník Československé akademie věd, Věstník Čs. společnosti zoologické, Věstník Ústředhího ústavu geologického, Zdravotní technika a vzduchotechnika, Zoologické listy, Živa.*

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Zachoval, Ladislva.
Záruba, Quido.
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Hertz, Gustav.
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SLOVENSKÁ AKADÉMIE VIED
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UL. OBRANCOV MIERU 41, BRATISLAVA

Founded 1953; since 1960 a part of the Czechoslovak Academy of Sciences and the supreme national and regional scientific institution in Slovakia

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Publications: *Svet vedy, Matematicko-fyzikálný časopis, Chemické zvesti, Geologický časopis, Geografický časopis, Biológia, Bratislavské lekárske listy, Neoplasma, Kovové materiály, Elektrotechnický časopis, Strojnícky časopis, Stavebnícky časopis, Vodohospodársky časopis, Slovenská reč, Jazykovedný časopis, Čs. terminologický časopis, Otázky marxistickej filosofie, Historický časopis, Slovenská archeológia, Slovenská literatúra, Slovenský národopis, Slovenské divadlo, Ekonomický časopis, Právný obzor, Polnohospodárstvo.*

Academicians:

Andrusov, Dimitrij.
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Varsik, Branislav.

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Astronomical Institute: Bratislava.
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Geographical Institute: Bratislava.
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Laboratory of Metal Physics: Bratislava.
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Institute of Economics: Bratislava.

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Institute of Languages and Literature: Prague.
Institute of World Literature and Languages: Bratislava.
Department for the Study of Zdeněk Nejedlý's Scientific Work: Prague.
Department of the Theory and History of Arts: Bratislava.

Scientific Board of Pedagogy and Philosophy.
J. A. Comenius Institute of Pedagogy: Prague.
Laboratory of Experimental Psychology: Bratislava.

Scientific Board of Philology.
Czech Language Institute: Prague and Brno.
Slovak Language Institute: Bratislava.
Department of Languages: Prague.

JOINT INSTITUTIONS OF THE CZECHOSLOVAK ACADEMY OF SCIENCES

Archives of the Czechoslovak Academy of Sciences: Prague.
Encyclopædic Institute: Prague.
Publishing House: Prague.
Patent Department: Prague.
Institute for Planning of Science: Prague.
Secretariat of the Hanzelka-Zikmund Expedition: Prague.
Development Workshops: Prague.
Main Library: Prague.

JOINT INSTITUTIONS OF THE SLOVAK ACADEMY OF SCIENCES

Archives of the SAV: Bratislava.
Cabinet of Encyclopædic Studies: Bratislava.
Department of Foreign Languages: Bratislava.
Central Library: Bratislava.
Publishing House: Bratislava.

EXECUTIVE BODIES OF THE PRESIDIUM OF THE ČAV

Secretariat of the Presidium: Prague.
Institute for the Planning of Science: Prague.
Office of the Presidium: Prague.

EXECUTIVE BODIES OF THE PRESIDIUM OF THE SAV

Office of the Presidium: Bratislava.
Cabinet for the Planning of Science: Bratislava.

ÚSTAV VĚDECKOTECHNICKÝCH INFORMACÍ MINISTERSTVA ZEMEDELSTVÍ LESNÍHO A VODNÍHO HOSPODÁŘSTVÍ

(Institute of Scientific and Technical Information, Ministry of Agriculture, Forestry and Water Management)

SLEZSKÁ 7, PRAGUE 2.

Founded 1961, since 1962 directly subordinate to the Ministry of Agriculture, Forestry and Water Management.

Director: JINDŘICH OPAVA.

Main Activities: scientific and technical information for agricultural research institutes and enterprises; publication of scientific periodicals, materials for research work and practice, abstractions from periodicals.

Sections: Central Agriculture and Forestry Library, Study and Documentation Centre, Department of Patents and Standardisation, Documentation, Translation Department,

Publishing Department, Department of Agricultural Museums, Department of Reproduction Technique and Publicity, Department of Economic Administration.

Principal Publications: Scientific magazines (monthly): *Rostlinná výroba* (Plant Production), *Živočišná výroba* (Animal Production), *Zemědělská ekonomika* (Agricultural Economy), *Zemědělská technika* (Agricultural Technology), *Lesnictví* (Forestry); (six times a year): *Veterinární medicina* (Veterinary).—*Za socialistitcheskuyu selsko-khozyaystvennuyu nauku* (Socialist Agriculture) (four times a year, in Czech, English, French, German, Russian and Spanish), *Metodiky pro zavádění výsledků výzkumu do praxe* (Methods for the Application of Research Results into Practice), *Názvoslovný zpravodaj zemědělský* (Bulletin of Agricultural Terminology), *Studijní informace* (Research information).—Abstract periodicals: Agricultural Literature of Czechoslovakia (in Czech, English, French, German, Russian and Spanish), *Přehled zemědělské literatury* (Review of Agricultural Literature), *Přehled lesnické a myslivecké literatury* (Review of Literature on Forestry and Game Management), *Informační zprávy normalizační a patentové* (Bulletin of Information on Patents and Standardisation), *Přehled novinek zemědělských knihoven* (Review of New Entries in Agricultural Libraries).

SOCIETIES AND RESEARCH INSTITUTES

See also Czechoslovak Academy of Sciences

The Arts

Český spolek pro komorní hudbu (*Czechoslovak Society for Chamber Music*): Prague, Barrandov 327; f. 1894; 3,500 mems.; Chair. Dr. V. Čelakovský.

Divadelní ústav (*Theatre Institute*): Prague 1, Malá Strana, Valdštejnské nam. 3; f. 1956; research and documentation on theatre history and development; Central Theatre Library; Czechoslovak Centre of the International Theatre Institute (I.T.I.).

Hollar skupina československých umělců grafiků (*Society of Czechoslovak Graphic Artists*): Prague, Smetanovo nábrezí 6; f. 1917; 82 mems.; Sec. Fr. R. Čebiš; publ. *Hollar* (Review of Graphic Arts; quarterly).

Matice moravská (*Moravian Society of History and Literature*): Brno, Gorkého 14; f. 1849; 560 mems.; Pres. Prof. Dr. Bedřich Šindelář; publ. *Sborník Matice moravské* (annually).

Moravske kolo spisovatelů (*Society of Moravian Authors*): Brno, Domini kánské nám. 2; Pres. Jaroslav Marcha.

Ochranné sdružení výkonných umělců (*Association for the Protection of Performing Artists' Rights*): Prague 1, Staromestske 12; f. 1955; Chair. Přemysl Kočí; Dir. Dr. V. Čelakovsky.

Osvětovy ústav (*Institute for Adult Education*): Prague 2, Blanická 4; f. 1906 as Union of Culture, in 1925 became the Masaryk Institute for People's Education, is today an institution of the Ministry of Education and Culture, and organises adult education, and cultural research. *See also* entry under Libraries.

Svaz československých skladatelů (*Guild of Czechoslovak Composers*): Prague 1, Valdštejnské nám. 1; organisation of composers, musicologists and instrumentalists; publs. *Hudební rozhledy* (Music Magazine; fortnightly), *Slovenská Hudba* (Music Magazine; monthly).

Svaz československých spisovatelů (*Union of Czechoslovak Writers*): Prague 1, Národní 11; 594 mems.; publs. *Plamen* (Flame; monthly), *Literární noviny* (Literary News; weekly), *Kultúrny život* (Cultural Life; weekly), *Slovenské pohľady* (Slovakian Views; monthly), *Host do domu* (The Visitor; monthly), *Mladá tvorba* (Young Creation; monthly).

Svaz československých výtvarných umělců (*Union of Czechoslovak Artists*): Prague 1, Nové Město, Gottwaldovo náb. 250; Pres. Prof. Josef Malejovský.

Umělecká beseda (*Artists' Circle*): Besední 3, Prague 1, Malá Strána; f. 1863; Pres. Ladislav Vycpálek.

Science

Československá botanická společnost (*Botanical Society of Czechoslovakia*): Prague 2, Benátská 2; f. 1912; 570 mems.; Chair. Prof. Dr. Z. Černohorský; Sec. J. Holub; publ. *Preslia* (quarterly).

Ceskoslovenská společnost mikrobiologická při ČSAV (*Czechoslovak Society for Microbiology*): Prague 2, Viničná 7.

Československá společnost zeměpisná (*Czechoslovak Geographical Society*): Prague 2, Albertov 6; f. 1894; Pres. Prof. Dr. J. Korčák; Sec. Doz. Dr. M. Riedlová. brs. in Prague, Brno, Opava, Prešov, Plzeň, Ústí, Lipt. Mikuláš and Bratislava; publs. *Sborník československé společnosti zeměpisné* (quarterly journal). *Geografický časopis* (Geographical Review, quarterly) Bratislava.

Farmakologická společnost, sekce Čs lékařské společnosti J. E. Purkyně (*Pharmacological Society, Section of Czechoslovak Medical Society J. E. Purkyně*): Prague 3, Kouřimská 17; f. 1959; 180 mems.; Pres. Prof. Dr. H. Rašková; Sec. Prof. Dr. Z. Votava.

Fysiologická společnost, sekce Čs lékařské společnosti J.E. Purkyně (*Physiological Society, Section of Czechoslovak Medical Society, J. E. Purkyně*): Prague 6, Flemmingoro 2; f. 1950; 520 mems.; Pres. Doc. Dr. E. Gutmann; Sec. Dr. O. Hudlická.

Hydrometeorologický ústav (*Hydrometeorological Institute*): Prague 5, Holeckova 8; Dir. J. Zítek; publs. *Annuals of Meteorological Observations and Records of Instruments at Prague, Lomnický Stít, Hurbanovo and other meteorological stations, Atmospheric precipitations on the Czechoslovak Socialist Republic, Hydrological Yearbook, Transactions, Meteorologické zprávy* (Bulletin—every two months).

Jednota československých matematiků a fysiků (*Czechoslovak Mathematical and Physical Society*): Prague-Malá Strana Maltézské 1; f. 1862; library of 32,000 vols.; Pres. Fr. Kahuda; Sec. F. Běloun; publs. *Pokroky matematiky, fysiky a astronomie.*

Lékařská společnost J. E. Purkyně, sekce čs. mikrobiologů a epidemiologů (*The Czechoslovak Medical Society, J. E. Purkyně, Section of Microbiology and Epidemiology*): Prague 10, Tř. W. Piecka 108.

Národopisná společnost československá (*Czechoslovak Ethnographic Society*): Prague 1, Malá Strana, Všehrdova 2; f. 1893; 300 mems.; Pres. Dr. Karel Dvořák; Sec. Dr. Ladislav Holy.

Státní ústav pro kontrolu léčiv (*State Institute for the Control of Drugs*): Prague 10, Šrobárova tř. č. 48; Dir. Ing. J. Buriánek.

Úřad pro normalizaci a měření (*Office for Standards and Measurements*): Prague 1, Václavské nám. 19; Pres. Frant Křovina; publs. *Normalizace, Měrová Technika, Věstník Úřadu pro normalizaci a měření* (monthly).

Ústav epidemiologie a mikrobiologie (*Institute of Epidemiology and Microbiology*): Prague 10, Šrobárova 48; Dir. Prof. K. Raška, M.D., D.SC.

Ústav hygieny (*Institute for Hygiene*): Prague 10, Šrobárova 48; Dir. Prof. K. Symon, M.D.

Ústav pro výzkum, výrobu a využití radioisotopů (*Institute for Research Production and Uses of Radioisotopes*): Prague 7, Přístavní 24; f. 1923; Dir. J. Hokr; publs. monographs.

Ústřední úřad státní kontroly a statistiky (*Central Office of State Control and Statistics*): Prague 8, Invalidovna; f. 1919; Pres. Minister Mr. Pavel Majling; publs. *Statistical Reports, Statistical Yearbook of Czechoslovakia, Position of Czechoslovakia in the world economy, Demographic Yearbook of Czechoslovakia*, etc. (irregularly).

Ústřední ústav geologický (*Geological Survey Institute*): Prague 1, Malostranské náměstí 19; f. 1919; library of 92,000 vols.; Dir. Dr. J. Svoboda; publs. *Sborník geologických věd* (8 series: Geology, Palæontology, Anthropozoic, West Carpathians, Economic Geology, Applied Geophysics, Technology and Geochemistry, Hydrogeology and Engineering Geology), *Rozpravy* (palæontological monographs), *Věstník* (6 times a year), *Knihovna* (methodical papers or comprehensive reports) *Mineralogicko-geologická bibliografie ČSSR* (annual), *Geotechnica* (monographs on applied geology), *Geological Guide*, geological maps.

Vojenský zeměpisný ústav (*Military Geographical Institute*): Prague 19, Rooseveltova 23; f. 1919.

Výzkumný ústav vodohospodářský (*Hydraulic Research Institute*): Prague 6, Podbaba; f. 1920; Dir. Ing. Josef Slabý; research into hydrology, applied hydraulics, water pollution, water supply; publ. *Práce a studie, Bibliography of Hydrology*.

Výzkumný ústav Zemědělské ekonomiky (*Institute of Agricultural Economics*): Prague 2, Mánesova 75; f. 1912; 150 mems.; library 20,000 vols.; Dir. Doc. Dr. Jan Krblich; publ. *Reports*.

Zoologická společnost československá (*Czechoslovak Zoological Society*): Prague 2, Viničná 7; f. 1927; 191 mems.; Sec. K. Novák; publ. *Acta Societatis Zoologicae Bohemoslovenicae* (quarterly).

LIBRARIES

Prague

Knihovna Archeologického ústavu ČSAV (*Library of the Archaeological Institute of the Czechoslovak Academy of Sciences*): Prague 1, Letenská 4; 30,513 vols.; Chief Librarian Dr. K. Motyková; publs. *Památky Archeologické, Archeologické Rozhledy*.

Knihovna Bedřicha Smetany (*Bedřich Smetana Library*): Prague 1, Dr. V. Vacka 1; f. 1893; Musical dept. of Public City Library; 136,000 vols.; Dir. Dr. Anna Jirásková.

Knihovna Husova domu (*Hus House Library*): Prague 1, Jungmannova 9; Central Library of the Evangelical Church, containing books on religious subjects.

Knihovna Komenského fakulty (*Library of Comenius Faculty of Theology*): Prague 1, Jungmannova 9.

Knihovna Národní galerie (*Library of the National Gallery*): Prague 1, ul. 17, Listopadu 2; f. 1887; 96,500 vols.; Chief Librarian Dr. Vlastimila Pánková.

Knihovna Národního musea (*National Museum Library*): Prague 1, Václavské nám. 1700; f. 1818; *c.* 1,700,000 vols.; Departments: Central Museum Library, Bohemian Literature and the Czechoslovak Book Museum at Ždar n.s., historical libraries of Bohemian and Moravian Castles, and Periodicals.

Knihovna Národního technického musea (*National Technical Museum Library*): Prague 7, Kostelní 42; f. 1835; 162,000 vols.; Chief Librarian J. Škop.

Knihovna Orientálního Ústavu Československé Akademie Věd (*Library of Oriental Institute of Czechoslovak Academy of Sciences*): Prague 1, Malá Strana, Lázeňská 4; Chinese library of 75,398 vols.; general library of 70,295 vols.

Knihovna Osvětového ústavu (*Library of the Adult Education Institute*): Prague 2, Vinohradská 2; f. 1925; 27,000 vols. on adult education; Librarian Dagmar Macháčková.

Knihovna Ústředního ústavu geologického (*Geological Institute Library*): Prague 1, Hradební 9; f. 1919; 87,400 vols.

Knihovna jednoty československých matematiků a fysiků (*Library of the Czechoslovak Mathematical and Physical Society*): Prague, Prague-Malá Strana Maltézské 1; 32,000 vols.; Librarian Vl. Kořínek.

Městská lidová knihovna (*Public City Library*): Prague 1, nám. Dr. V. Vacka 1; f. 1891; 57 brs. for adults; 53 for children, 10 for juveniles, and 2 travelling libraries; 1,327,000 vols.; music, theatre, and film sections and study-rooms; Dir. Dr. Rudolf Málek.

Slovenská Lekárska Knižnica (*Slovak Medical Library*): Bratislava, ul. Cs. armády 52; f. 1951; 60,000 vols.; research service; methodical centre for health library organisation.

Státní knihovna Československé socialistické republiky (*State Library of the Czechoslovak Socialist Republic*): Prague 1, Klementinum; f. 1958 by merger of libraries listed below; 3,588,000 vols.; central research library of Czechoslovakia, agent for Czechoslovak International Exchange Service, national centre for restoration of books; collection of microfilms; Dir. Josef Vinárek; publs. *Bibliografický katalog ČSSR* (weekly); *Česká bibliografie* (bi-annually); *Novinky literatury* (monthly); *Ročenka Universitní knihovny* (annually); *Novinky knihovnické literatury* (quarterly).

Národní knihovna (*National Library*): f. 1935; archives of Czech and Slovak literature, bibliographical institute; Dir. Jaroslav Kunc.

Universitní knihovna (*University Library*): f. 1348; universal research library, especially for social and natural sciences; MSS., music and map departments; Dir. Dr. Karel Kozelek.

Slovanská knihovna (*Slavonic Library*): f. 1924; collection of literature concerning Slav nations and U.S.S.R.; Dir. Dr. Josef Strnadel.

Ústřední ekonomická knihovna (*Central Economics Library*): Prague 3, nám. G. Klimenta 4; f. 1951; formerly State Library of Social Sciences (Státní knihovna společenských věd); Dir. Rudolf Hyánek.

Ústřední vědecko-metodický kabinet knihovnictví (*Centre for Scientific Research in Librarianship*): f. 1953; Dir. Dr. Kamil Groh.

Státní lékařská knihovna (*National Medical Library*): Prague 2, Sokolská 31; f. 1950; over 140,000 vols.; Librarian Dr. Josef Navrátil; publ. *Annual of Czechoslovak Medical Literature*.

Státní technická knihovna (*State Central Technical Library*): Prague 1, Klementinum; f. 1707; former Central Technical Library; 500,000 vols.; lending library, reference library, including 180,000 items of trade literature and 10,000 periodicals; central institution in the field of technical librarianship; Librarian Antonín Derfl; publs. *Technická knihovna* (The Technical Library).

Strahovská knihovna (*Strahov Library*): Prague 1, Strahovské nádvorí 132 (Strahov courtyard); 770,000 vols.; public library of the Památník národního písemnictví (Museum of Czech. literature); books on religious subjects, philosophy, histories of literature and printing, and many old manuscripts; Dir. Dr. P. KNEIDL.

Ústřední pedagogicka knihovna ČSSR (*Central Pedagogical Library of ČSSR*): Prague 1, Mikulandská 5; f. 1919; 273,000 vols. on education; youth branch (Suk Library), 34,000 vols.; Dir. Dr. PRAVOSLAV HYKEŠ; publs. *Přírůstky nově zařazených knih* (Additons of New Books in the S.P.C., yearly), *Přehled pedagogické literatury* (Survey of Pedagogic Literature, fortnightly), *Bibliografie české a slovenske literatury pro mládež* (Bibliography of Czech and Slovak Literature for Youth), *Výběr knih* (Selection of Books, yearly).

Ústřední tělovýchovná knihovna (*Central Library of Physical Training*): Prague 1, Újezd 450; f. 1927; 145,000 vols.; Dir. Dr. N. WAITOVÁ; publ. *Bibliografie knižní tělovýchovné literatury* (Bibliography of Physical Training).

Ústřední zemědělská a lesnická knihovna (*Central Agricultural and Forestry Library*): Prague 2, Slezská 7; f. 1925; over 600,000 vols.; lending library, reading-room, bibliographical section, all open to the public; all Czechoslovak publications exchanged with foreign countries; Dir. M. PŘÍHODA; publs. *Přehled novinek zemědělskych knihoven, Landwirtschaftliche Literatur der Tschechoslowakei* (Agricultural Literature of Czechoslovakia—a quarterly bibliography in German, Russian, English, French and Spanish).

Základní knihovna Československé akademie věd (*The Main Library of Czechoslovak Academy of Sciences*): Prague, Národní tr. 3; f. 1952 as a result of the union of the former Czech Academy of Sciences and Arts, Royal Bohemian Society of Sciences and Masaryk Academy of Labour; 961,365 vols., 5,831 periodicals; a lending library and centre for international exchange of publications, dealing with 1,363 foreign institutions, in 71 countries; Departments of Microfilm and Bibliography; Dir. Dr. FRANTIŠEK HORÁK.

OTHER LIBRARIES

Agricultural College Library: Brno, Zemědělská 1; f. 1919; 75,000 vols.; publ. *Sborník vysoké školy zemědělské v Brně* (Acta Universitatis Agriculturae, Brno).

Československá akademie věd, Slezský ústav, Vědecká knihovna (*Silesian Institute of the Czechoslovak Academy of Sciences, Scientific Library*): Opava Nádražní okruh 31; f. 1945; 130,000 vols.; publ. *Slezský sborník* (Acta Silesiaca).

Knihovna Moravské galerie (*Library of the Moravian Gallery*): Brno, Husova 14; 37,500 vols.; Librarian FRANT. FRANC.

Krajská knihovna (*Regional Library*): Švermovo nám. 4, České Budějovice; f. 1885; 500,000 vols.; Dir. J. HOUDKOVÁ.

Krajská knihovna V. Kopeckého (*District Library*): Liberec; 240,000 vols.; special section on the textile, glass, machine and plastic industries; Dir. L. MRÁZEK.

Krajská ludová knižnica (*Regional Library of Bratislava*): Bratislava, Suché Mýto; f. 1900; 100,000 vols.; Dir. J. ORLOVSKÝ.

Krajská ludová knižnica (*Regional Library*): Košice; f. 1657; 150,000 vols.; Dir. J. BERČINSKÝ.

Library of the State College of Mining and Metallurgy: Ostrava; f. 1849; 175,000 vols.

Matica slovenská (*Slovak National Library*): Martin; f. 1863; 620,000 vols.; Dir. JURAJ PAŠKA; publs. *Bibliografický katalog ČSR. Slovenské knihy, Slovenské hudobniny* (Slovak book production and sheet music), *Bibliografický katalog ČSR. Články v slovenských časopisoch* (Bibliography of Articles in Slovak Periodicals), *Čitateľ* (periodical), *Bibliografický sborník, Knižničný sborník.*

Regionálna knižnica mesta Bratislavy (former *Bratislava City Library*): Bratislava, Stará radnica; f. 1923; 72,000 vols.; Dir. M. SMIEŠKOVÁ.

Slovenská pedagogická knižnica (*Slovak Pedagogic Library*): Bratislava, Klariská ulice 5; 130,000 vols.; Dir. Dr. JÁN LEHKÝ.

Slovenská technická knižnica (*Central Technical Library*): Bratislava, Gottwaldovo nám. 2; f. 1938; 857,478 vols.; general reference and bibliography; special collections of trade literature 183,600; standards 113,558; patents 317,975; micro-films 1,151; photo-duplication service; international exchange of publications; 2,050 current periodicals; Dir. LADISLAV ŽIAK; publs. *Metodický zpravodajca, Metodické pomôcky, Výberový zoznam zahraničných noviniek, Odporúčajúce bibliographie.*

Štátna vědecká knižnica (*State Scientific Library*): Košice, Leninova 12; f. 1657, re-opened 1946; 490,000 vols.; Dir. R. LUKÁC; bibliographical publications.

Štátna vedecká knižnica (*State Scientific Library*): Prešov; f. 1952; 45,000 vols.; Dir. M. DUBAJ.

Štátna vedecká knižnica (*State Scientific Library*): Zvolen; f. 1952; 310,000 vols.; Dir. S. OHRÍVAL.

Státní pedagogická knihovna (*State Pedagogic Library*): Brno, Solniční 12; 175,000 vols.; Dir. Dr. T. HENEK.

Státní technická knihovna v Brně (*State Technical Library*): Brno, Veveří 95; f. 1921; 529,079 vols., 1,681 periodicals; technical and economic information service; microfilm service, international exchange of publications; Dir. Ing. VILÉM GÖTZ.

Státní vědecká knihovna (*State Research Library*): Ostrava, Nová radnice; f. 1951; 267,000 vols.; general library and special library on mining and metallurgy; Dir. J. BŘUSTEK.

Státní vědecká knihovna (*State Research Library*): Plzeň, ul. B. Smetany 14; f. 1950; 285,000 vols.; Dir. J. KUBA.

Státní vědecká knihovna (*State Research Library*): Hradec Králové; f. 1949; 225,000 vols.; Dir. JIŘÍ VANĚK.

Univerzitná knižnica (*University Library*): Bratislava, Michalská 1; f. 1918; 726,746 vols.; Dir. Ing. V. KÚTIK.

Universitní knihovna (*University Library*): Brno, Leninova 5-7; f. originally in 1770, as Univ. Library 1919; 1,400,000 vols., including 1,200 incunabula, 2,250 MSS., 65,300 vols. of printed music and collection of books by Comenius; Dir. Dr. MILOŠ PAPÍRNÍK; publs. *Výběrové seznamy, Bibliografické letaky, Na pomoc knihovníkům a čtenářům.*

Universitní knihovna (*University Library*): Olomouc, Bezručova č.2; f. 1566; open to the public; 570,000 vols., including 1,966 incunabula and 1,270 MSS.; Librarian MIROSLAV NÁDVORNÍK.

Ústredná ekonomicka knižnica (*Central Economic Library*): Bratislava, Palisády 36; f. 1940; 200,000 vols.; Dir. Ing. B. PROCHÁZKA; publs. *Ekonomické aktuality-bibliograficky zpravodaj, Bibliografia ekonómickej literatúry* (monthly), *přehlad ekonómickej literatúry* (every 2 months), *Letákové bibliografie ekonómie, Informačny zpravodaj* (quarterly), *Metodické listy* (quarterly).

Ústredná knižnica Slovenskej akadémie vied (*Central Library of the Slovak Academy of Sciences*): Bratislava, Klemensova 27; 270,000 vols.; functions of the library include the international exchange of publications.

Ústredná pôdohospodárska knižnica (*Central Library of Agriculture*): Nitra; f. 1952; 300,000 vols.; Dir. EMIL VONTORČÍK.

Ústřední knihovna Veterinární fakulty (*Central Library of the Faculty of Veterinary Science*): Brno, Palackého 1; 110,295 vols.; Librarian Dr. VÁCLAV ZATLOUKAL.

Ústřední knihovna Vysoké školy zemědělské (*Central Library of the University School of Agriculture*): Brno, Zemědělska 1; 228,654 vols.; Librarian Dr. FRANTIŠEK MOJŽÍŠ.

Veterinary Faculty of the University of Agriculture Library: Brno 12, Palacký str. 1-3; f. 1918; Dir. Dr. V. J. ZATLOUKAL.

MUSEUMS AND ART GALLERIES

PRAGUE

Mestské Museum (*Municipal Museum*): Prague 3, Sady Jana Švermy 1554; f. 1900; collection of varied objects and documents relating to the history of the city of Prague.

Museum Alosie Jiráska a Mikoláše Alse (*Alois Jirásek and Mikoláš Aleš Museum*): Prague-Liboc; Zámek Hvězda; contains works and documents of Czech writer A. Jirásek and the Czech painter M. Aleš.

Museum Antonína Dvořáka (*Antonín Dvořák Museum*): Prague 2, Ke Karlovu 20; f. 1932, reinstalled 1961; relics and documents of life and work of A. Dvořák and his pupils (Suk, Novák, Nedbal, Karel, etc.) and his interpreters; Dir. Dr. KAREL MIKYSA.

Museum Bedřicha Smetany (*Smetana Museum*): Prague 1, Novotného lávka 1; f. 1928; contains relics of Smetana; contemporary collections of his works; photographs and MSS.; Dir. MILOSLAV MALÝ.

Museum hl. m. Prahy: Prague 19, Šárecká 29; f. 1945 (original foundation 1900); prehistoric exhibits; library of 3,150 vols.; Dir. NORBERT MAŠEK.

Museum Klementa Gottwalda (*Klement Gottwald Museum*): Prague 1, Rytířska 29; collections of the revolutionary traditions since the Hussite Movement up to the present days.

Museum tělesné výchovy a sportu (*Museum of Physical Training and Sport*): Prague 1, Ujezd 450; f. 1885, reorganised 1953; collections of documents about the development of the physical training and sport; Sokol MSS.; Curator A. SAMEC.

Múzeum V. I. Lenina (*V. I. Lenin Museum*): Prague 1, Hybernská 7; collections of the life and work of Lenin.

Náprstkovo museum asijských, afrických a amerických kultur (*Náprstek Museum of Asian, African and American Culture*): Prague 1, Betlémské náměstí 1; f. 1862; ethnological and archaeological objects from non-European countries and Oriental art; library of 100,000 vols.; Dir. Dr. ERICH HEROLD.

Národní galerie (*National Gallery*): Prague 1-Hradčany, Hradčanské náměstí 15; f. 1796; Departments of Ancient Art, Modern Art, Czech. 19th-century Paintings, 19th-century and Contemporary Sculpture, Drawings and Prints, Oriental Art, Industrial Art, Modern and Historic Applied Art; Dir. Dr. JAN KROFTA.

Národní múzeum (*National Museum*): Prague 1, Central Building, Václavské náměstí 1700; f. 1818, present building erected 1891; consists of five Institutions: 1. Museum of Natural History (departments of Mineralogy, Petrography, Palæontology, Botany, Entomology, Zoology and Chemical Research); 2. Historical Museum (departments of Pre-history, History, Numismatics, Theatre, Music and Ethnography); 3. Náprstek Museum of Asian, African and American cultures; 4. Museum Library; 5. Advisory Bureau for Museum and Regional Work; Dir. Dr. V. DENKSTEIN; publs. *Sborník Národního musea (Acta Musei Nationalis), Časopis Národního musea, Sborník Entomologického oddělení Narodního musea, Acta Faunisticá, Fontes Archaeologici Pragenses, Muzejní Va vlastivědná práce, Zprávy Kabinetu pro muzejní a vlastivdénou práci, Inventáře a katalogy, Numismatické listy.*

Národní technické museum (*National Museum of Technology*): Kostelní 42, Prague 7; f. 1909; permanent exhibition of engineering, transport, mining, metallurgy, cinematography, photography, broadcasting, television, astronomy, building industry, etc.; temporary exhibitions, educational and documentation section, library, foreign department; Dir. Dr. JOSEF KUBA; publ. *Sborník Národního technického musea v Praze.*

Památník národního písemnictví (*Museum of the Czech Literature*): Prague Strahov; f. 1953; exposition of the development of the Czech literature; library of the Strahov monastery containing 770,000 vols.; Dir. Dr. JAROSLAVA VÁCLAVKOVÁ; publs. *Strahovská knihovna, Literární archiv.*

Pedagogické museum J. A. Komenského (*J. A. Komenský Pedagogical Museum*): Prague 3, Valdštejnsky palác; documents illustrating the development of the Czechoslovak education.

Poštovní múzeum (*Post Museum*): Prague 5, Smíchov, Holečkova ul. 10; documents of the history of the post and stamp collections.

Státní židovské múzeum (*State Jewish Museum*): Prague 1, Jachymova 3; f. 1906; contains collection of silver liturgical objects, Hebrew MSS. of the 14th century onwards, liturgical textiles of historic interest, library of ancient books, documents of Jewish communities, children's drawings from concentration camps, works of Jewish painters and sculptors; oldest Jewish cemetery in Europe and oldest synagogue in gothic style; Dir. VILÉM BENDA.

Vojenské múzeum (*Military Museum*): Prague 3, Žižkov, ul. Památníku 2; comprises two exhibitions: Schwarzenberg Palace, Prague 1, Hradcanské nám. 2; f. 1919; shows development of military matters on Czechoslovak territory up to 1918 and at Institute of Military History, Prague 3, Žižkov, ul. Památníku 2; f. 1954; exhibition of Czechoslovak Army since 1918.

Zemědělske museum (*Museum of Agriculture*): Prague 2, Slezská 7; f. 1891; exhibition of agriculture located in Kačina Castle near Kutna Hora; of forestry in Ohrada Castle near Ceské Budéjovice and Lednice Castle near Morave; Dir. Dr. JAN TAUBER.

OTHER MUSEUMS

Alšova Jihočeská galerie (*Aleš South Bohemian Gallery*): Hluboká nad Vltavou; contains collection of Gothic art of South Bohemia, 17th–19th-century Czech painting and modern Czech art.

Banské múzeum (*Mining Museum*): B. Štiav.; f. 1927; Keeper KRÍŽ JOZEF; publs. *Sborník* (bulletin) 37, *Sborník II* (bulletin) 38.

Glass Museum: Harrachov; exhibits include blown glass from the oldest Czechoslovak glassworks, founded in 1712, and other unique blown glass examples.

Glass Museum: Zelezny Brod; attached to a glass-making school; glass exhibits from Zelezny Brod and surrounding region.

Jihočeské múzeum České Budějovice (*České Budějovice Museum of South Bohemia*): collections of natural sciences, archæology, history, art from the region of South Bohemia; Dir. KAREL PLETZER; publ. *Jihočeský-*

sborník historický, Sborník J M-Přírodní vědy (Natural Sciences).

Jihomoravske múzeum Znojmo (*Znojmo South Moravian Museum*): Znojmo; collections of natural sciences and history from South Moravia; installed in castle with 11th-century chapel; collections of ceramics of S. Moravia and furniture.

Krajské museum Hradec Králové (*Hradec Králové Regional Museum*): collections of natural sciences, archæology, history and literature from the region of North-East Bohemia; publ. *Acta Musei Reginachradecensis*.

Městská museum Karlovy Vary (*Karlovy Vary Municipal Museum*): Karlovy Vary, Zámecký vrch 22; collections of natural sciences, art and industry, history and documents from the history of the spa Karlovy Vary.

Moravské museum v Brně (*Moravian Museum in Brno*): Brno 1, nám. 25, února 8; f. 1818 as Museum Franciscеum; comprises fifteen sections, including geology, mineralogy, palæontology, Karst geomorphology, botany, entomology, zoology, genetics, anthroposophy, archæology, numismatics, ethnography, musicology, literature and theatre archives; publs. *Acta Musei Moraviae, Anthropologie, Ethnographica, Anthropos*, Monographs.

Museum automobilů Tatra Kopřivnice (*Tatra Motor Car Museum*): Tatra; f. 1956; special museum of motor cars.

Museum Českého porcelánu (*Czech Porcelain Museum*): Klášterec nad. Ohří; f. 1953; exposition of the Oriental and European porcelain located in the renaissance castle of Klášterec n/O.; documents on the production of Czech porcelain from 1792 to the present time.

Múzeum mesta Bratislavy (*Bratislava Municipal Museum*): Bratislava, Stará Radnica; f. 1868; contains collections of prehistoric weapons, sculpture, ceramics, etc., records of guilds and vine-culture; rooms devoted to Janko Jesenský and Johan Nepomuk Hummel; Pres. Šimon Jančo.

Museum mesta Brna (*Brno Municipal Museum*): Brno, Hrad Špilberk; f. 1904; Dir. O. Toman.

Museum nábytku (*Museum of Furniture*): Lemberk u Jablonného; f. 1951; collections of furniture from the Gothic period to the present day.

Museum Pardubice: Pardubice, Zámek č. 1; f. 1882; collections of natural sciences, history and arts from the Pardubice region; library of 30,000 vols.; Dir. S. Dvořak; publ. *Zprávy*.

Museum of the Hussite Movement: Tábor; f. 1881; Dir. Dr. F. Kroupa.

Museum J.A. Komenského Uherský Brod (*Uherský Brod Comenius Museum*): f. 1894; Dir. Dr. Jan Pavelčík; exposition of the life and work of Comenius, and collections of ethnography, archaeology and history.

Múzeum Vysočiny Jihlava (*Jihlava Regional Museum*): Jihlava; collections of zoology, archæology, history, botany and mineralogy-petrography.

Národni technické Museum: Jablonec, Jiráaskova 4; f. 1955; exhibition of glass products of all kinds illustrating the development of Czech glass-making and of Jablonec jewellery; Dir. Jan Túma.

Oblastní múzeum Jihovýchodní Moravy v Gottwaldově (*Regional Museum of South-Eastern Moravia in Gottwaldov*): Gottwaldov; collections of natural sciences, archaeology, ethnography, history; Dir. Milan Smýkal; publs. *Zprávy* OMG, catalogues, etc.

Oblastní múzeum Teplice (*Teplice Regional Museum*): collections of natural sciences, archæology, history, ethnography, art and literature from the region of North-West Bohemia.

Okresní múzeum Slavkov u Brna (*Slavkov District Museum*): f. 1901; collections from the Napoleonic wars with a special exposition of the battle of Slavkov (Austerlitz); Dir. D. Saurová.

Severočeské Museum v Liberci (*Liberec North Bohemian Museum*): Liberec; historical and contemporary collection of European and Bohemian glass and industrial arts; Dir. Dr. Jaroslav Kavan.

Slezské Museum (*Silesian Museum*): Opáva, Tyršova 1; f. 1814; collections of natural sciences, archæology, history, ethnography, applied arts and documents from the Silesian region; arboretum at Nový Dvůr; Dir. Dr. B. Sobotík.

Slovenská národná galéria (*Slovak National Gallery*): Bratislava; Rázusovo nábrežie 2; paintings, sculpture, prints, drawings, applied art, facsimiles; Dir. Dr. Karol Vaculík, c.sc.

Slovenské národné múzeum (*Slovak National Museum*): Bratislava, Vajanského nábrežie 2; f. 1924; history and natural science sections; Dir. Jozef Vlachovič, c.sc.

Slovenské národné múzeum (*Slovak National Museum*): Martin; f. 1893; ethnographic section; 50,000 objects; library of 23,000 vols.; Dir. Stefan Mruskovic; publ. *Sborník Slovenského národného múzea-Etnografia*.

Uměleckoprůmyslové museum (*Museum of Art and Industry*): Husova 14, Brno; f. 1873; Library; Dir. Dr. Alena Adlerová.

Valašské museum (*Wallachian Museum*): Rožnov pod Radhoštěm; f. 1911; open-air museum in the form of village with original buildings; library of 1,780 vols.; Dir. Dr. Arnošt Kubbša.

Vlastivědný ústav Olomouc (*Olomouc Regional Museum*): collections of natural sciences, archaeology, history, ethnography and arts; Dir. Jaroslav Novák; publ. *Zprávy VU Olomouc*.

Východoslovenské múzeum (*Museum of Eastern Slovakia*): Košice, Hviezdoslavova ul. 5; f. 1872; collections and exhibitions of history, zoology, geology, archæology and ethnography; library of 18,135 vols.; Dir. L. Olexa, c.sc.

Západočeská galerie v Plzni: Pilsen; regional art gallery, pictures and sculptures from XIVth century to the present time; Dir. O. Kuba.

Západočeské múzeum v Plzni (*Krajsky Museum*): Pilsen; collections of history, ethnography and art from the region of West Bohemia; Dir. J. Figura; publ. *Acta Musei Slovaciae regionis orientalis Košice*.

UNIVERSITIES

KOMENSKÉHO UNIVERZITA V BRATISLAVE
(Comenius University of Bratislava)

BRATISLAVA,
SAFÁRIKOVO NÁMESTIE 12

Telephone: 547 55.

Founded 1919.

Rector: Prof. Dr. V. FILKORN, D.SC.

Pro-Rectors: Doc. V. CERNUSÁK, Doc. E. HURAJ, Doc. J. MAJER, Doc. J. MÁJOVSKÝ.

Number of students: 2,707 men, 5,001 women, total 7,708.

DEANS:

Faculty of Law: Prof K. PLANK.
Faculty of Medicine: Prof. J. KUKURA.
Faculty of Philosophy: Doc. Dr. L. BAKOŠ.
Faculty of Natural Sciences: Prof. A. KOTZIG.
Faculty of Pharmaceutics: Doc. M. CHALABALA.
Institute of Physical Culture: Prof. A. KUCHEN.
Teachers' Training College at Trnava: Doc. O. BALÁŽ.

PROFESSORS:

Faculty of Law:
LACO, K., Constitutional Law
PLANK, K., Civil Law
SCHUBERT, L., Criminal Law
TOMKO, J., International Law
VIETOR, M., History

Faculty of Medicine:
ANTAL, J., Physiology
BÖHM, M., Neurology
ČÁRSKÝ, K., Surgery
ČERNÁČEK, J., Neurology
ČERVEŇANSKY, L., Internal Medicine
CHMEL, L., Dermatology
CHORVÁTH, V., Surgery
DEMJEN, S., Operative Plastic Surgery
GUENSBERGER, E., Psychiatry
HANDZO, P., Physical Medicine
HAVIAR, V., Internal Medicine
HENSEL, J., Balneology
JAKUBCOVÁ, IRENA, Pediatrics
KRATOCHVÍL, M., Surgery
KRSEK, H., Legal Medicine
KUBIS, J., Chemistry
KUKURA, J., Hygiene
MICHALIČKOVÁ, JAROSLAVA, Pædiatrics
MUCHA, V., Hygiene
NIEDERLAND, R., Biochemistry
NOSÁL, M., Occupational Diseases
ONDREJIČKA, M., Internal Medicine
REHÁK, A., Dermatology
ŠIŠKA, K., Surgery
ŠTANEK, I., Histology and Embryology
ŠTEFÁNIK, S., Obstetrics and Gynæcology
ŠUSTER, J., Ophthalmology
TOPOLSKÝ, M., Philosophy
VELGOS, Š., Stomatology
VRŠANSKÝ, V., General Biology

Faculty of Philosophy:
BAKOŠ, L., Pedagogy
BEDNÁRIK, J., Ethnography
FILKORN, V., Logic
GOSIOROVSKÝ, M., History
HANZEL, L., Philosophy
HRUŠOVSKÝ, I., Philosophy
HÚŠČAVA, A., Archives
KRESÁNEK, J., Music
KRNO, D., Journalism
OKÁL, M., Classical Philology
PARDEL, T., Psychology
PASIAR, S., Librarianship
PAULINY, E., Slovak Language and Literature
PAVLOVIČ, G., Pedagogy
PIŠÚT, M., History of Czech and Slovak Literature
ŠEFRÁNEK, J., Philosophy
SIRÁCKY, A., Philosophy
STANISLAV, J., History of Old-Slovak Language
SÝKORA, E., Pedagogy
VAJCÍK, P., Pedagogy
VARSÍK, B., History

Faculty of Natural Sciences:
ANDRUSOV, D., Geology
DILLINGER, M., Inorganic Chemistry
FERIANC, O., Zoology
FISCHER, J., Physics
FURDÍK, M., Organic Chemistry
GOREK, A., Geology
KAMENICKÝ, J., Mineralogy and Petrography
KONČEK, M., Meteorology
KOTZIG, A., Mathematics
LUKÁČ, RUDOLF, Mineralogy and Petrography
LUKNIŠ, M., Physical Geography
PASTÝRIK, R., Physiology of Plants
PETROV, I., Agrobiology
PLESNÍK, P., Geography
STANKOVIANSKY, S., Analytical Chemistry
ŠVAGROVSKÝ, J., Palæontology
SVITEK, V., Mathematics
VALŠÍK, J., Anthropology
VANOVIČ, J., Physics

Faculty of Pharmaceutics:
HOMOLA, V., Pharmacology
JINDRA, A., Pharmaceutical Botany
KRASNEC, L., Organic Chemistry

Institute of Physical Culture:
KUCHEN, A., Physical Culture
STRÁŇAI, K., Physical Culture

Teachers' Training College at Trnava
HORNÁK, R., Creative Arts
SCHUBERT, J., Pedagogy

UNIVERSITA J. E. PURKYNĚ
(Purkyně University)

BRNO

Founded 1919.

Rector: Prof. T. MARTINEC.

Pro-Rectors: Prof. F. BROHM, Prof. J. VANÝSEK, Doc. B. KUČERA, Doc. F. HEJL.

Questor: Dr. Phil. M. VAHALA.

Number of teachers: 649, including 61 professors.

Number of students: 1,117 men, 1,872 women, total 2,989.

Publications: *Scripta Medica, Spisy přírodovědeoké fakulty, Spisy filosofické fakulty.*

DEANS:

Faculty of Medicine: Prof. J. HOLÝ.
Faculty of Natural Sciences: Doc. L. SOMMER.
Faculty of Arts: Doc. M. JELÍNEK.

PROFESSORS:

Faculty of Medicine:
BROHM, F., Oto-Rhino-Laryngology
BRUNECKÝ, Z., Pædiatrics
DLUHOŠ, M., Pathological Anatomy
FILIPINSKÝ, M., Stomatology
HADLIK, J., Psychiatry
HALAČKA, KAREL, Hygiene
HLADKÝ, R., Oto-Rhino-Laryngology
HOLÝ, J., Radiology
HORÁČEK, J., Dermatology, Venerology
HOUBAL, V., Infectious Diseases
JANČÍK, E., Phthisiology
JANEČEK, M., Orthopædics
KRUTA, V., Physiology
MARZANEC, KAREL, Histology
NAVRÁTIL, J., Surgery
NEČAS, O., Biology
POJER, J., Internal Medicine
POLČÁK, J., Internal Medicine
POPEK, K., Neurology
ŠTEJFA, M., Internal Diseases
ŠTICH, Z., Medical Organisation
ŠVEJDA, J., Pathological Anatomy
ŠVEJDA, J., Stomatology
TOMAN, M., Pædiatrics
UHLÍŘ, KAREL, Urology
VANÝSEK, J., Ophthalmology
VAŠKU, J., Experimental Pathology
WAGNER, O., Medical Chemistry
ZÁČEK, A., Medical Organisation
ZLÁBEK, KAREL, Anatomy

Faculty of Natural Sciences:
BORŮVKA, O., Mathematics
HADAČEK, J., Organic Chemistry
HRABĚ, S., Zoology
KOUTSKÝ, K., Mathematics
KREJČÍ, J., Geography
LAŠTŮVKA, Z., Plant Physiology
MARTINEC, T., Microbiology
MORÁVEK, V., Chemical Physiology
NOVOTNÝ, M., Mathematics
OKÁČ, A., Analytical Chemistry
RYPÁČEK, V., Physiology of Plants
STEHLÍK, B., Physical Chemistry
SVOBODA, K., Mathematics
ŠIK, F., Mathematics
VAŠÍČEK, A., Experimental Physics
ZAPLETAL, K., Geology

Faculty of Arts:
HEJZLAR, G., Classical Archæology
HRABÁK, J., Czech Literature
KALOUSEK, F., Archæology
KUTAL, A., History of Art
LAMPRECHT, A., Czech Language
LUDVÍKOVSKÝ, J., Classical Philology
MACHÁČEK, J., Philosophy
MACHEK, V., Classical Culture
MACŮREK, J., Slavonic History
OHNENSORG, K., West European Philology and Phonetics
PRÁTOVÁ-NOHEJLOVÁ, E., Numismatics
RACEK, J., Musicology
RICHTER, V., History of Art
SEBÁNEK, J., Applied Historical Sciences
ŠINDELÁŘ, B., History
ŠTĚDRON, B., Musicology
ŠTĚPANÍK, K., History of English and American Literature
ZATOČIL, L., German Language
ZÁVODSKY, A., New Czech Literature

PALACKÉHO UNIVERSITA
(Palacky University)

KRIZKOVSKEHO 10, OLOMOUC

Telephone: 2444.

Founded 1576, re-opened 1946.

Rector: Doc. E. MANDÁK.

Pro-Rectors: Doc. A. VÁCLAVÍK, PH.D., Prof. Dr. F. SANTAVY, Prof. Dr. J. ŠULA.
Chief Administrative Officer: J. ZELINKA.
Librarians: MARIE KUŘÁTKOVÁ, EVA SKALIČKOVA, ZDENA VORLOVÁ.

Number of teachers: 686, 411 assistants.

Number of students: 3,640.

Publications: *Acta Universitatis, Palackianae Olomucensis.*

DEANS:

Faculty of Medicine: Doc. Dr. J. LENFELD.
Faculty of Sciences: Prof. Dr. J. FUKA.
Faculty of Humanities: Doc. Dr. J. BIEBERLE.
Teacher-Training College: Doc. Dr. J. JUST.

PROFESSORS:

Faculty of Medicine:
BURIAN, J., Surgical Clinic
CHVOJKA, J., Oto-rhino-laryngology
DOUBRAVSKÝ, J., Röentgenology
GAZAREK, F., Gynæcology and Obstetrics
HETJMÁNEK, M., Biology
HRBEK, J., Experimental Pathology
HRBEK, J., Neurology and Brain Research Institute
JIRAVA, E., Surgical Stomatology
KOJECKÝ, Z., Clinic for Internal Medicine
KREJČÍ, Z., Hygiene
KUČERA, A., Physiology
KUČERA, J., Urology
KUČEROVÁ, V., Social Medicine
LEJHANEC, G., Pathology and Therapy of Skin and Venereal Diseases
LENFELD, J., Pharmacology
LHOTÁK, J., Pædiatrics
LOSÍK, V., Marxism-Leninism
LOYKA, S., Medical Jurisprudence
LUKL, P., Clinic for Internal Medicine
MALINSKÝ, J., Electronmicroscopy
MAREŠ, J., Orthopædic Stomatology
MATOUŠEK, M., History of Medicine
NOVOTNÝ, J., Stomatology
OBRUČNÍK, M., Histology and Embryology
PELIKÁN, V., Clinic for Internal Medicine
RAPANT, V., Surgical Clinic
ROHAN, P., Allergology
ŠANTAVÝ, F., Medical Chemistry
SCHOBER, B., Medical Physics
VALACH, V., Pathological Anatomy
VEJDOVSKÝ, V., Ophthalmology
VYMĚTAL, O., Psychiatry
WAGNER, K., Orthopædics
WIEDERMANN, M., Nuclear Medicine
ZRZAVÝ, J., Anatomy

Faculty of Sciences:
DOSTÁL, J., Botanical Taxonomy
FICNER, O., Marxism-Leninism
FUKA, J., Experimental Physics and Methodology of Physics Teaching
HAVELKA, B., Theoretical Physics
KEPRT, E., Precision Engineering and Optics
KOCIÁN, M., Physical Education
LAITOCH, M., Mathematical Analysis
METELKA, J., Algebra and Geometry
NĚMEC, F., Geology and Mineralogy
NOVÁK, B., Zoology and Anthropology
PŘIDAL, A., Inorganic Chemistry and Methodology of Chemistry Teaching
RŮŽIČKA, E., Organic and Analytical Chemistry
ŠULA, J., Botany and Methodology of Biology Teaching
TICHY, O., Geography
ZEDEK, M., Mathematics and Methodology of Mathematics Teaching

Faculty of Humanities:
DAŇHELKA, J., Czech Language and Literature
HOLAS, E., Psychology
HRAB, S., Philosophy
KOUKAL, E., Pedagogics
KRISTEN, Z., History
KVAPIL, J., Romance Languages
LON, F., Marxism-Leninism
SMETANA, R., Music Theory and Musical Education
SPÁLENÝ, E., Foreign Languages
VÁCLAVEK, L., German and English Languages
ZIMEK, R., Slavonic Languages
ZYKMUND, V., Art

Teacher-Training College:
DANIEL, L., Musical Education
FRÝDA, M., Psychology and Psychopathology
HLUZA, B., Biology
CHYTIL, J., Chemistry
KOVALČÍK, Z., Czech Language and Literature
KRESTA, S., Russian Language and Literature
LIŠKA, S., Mathematics
MIKŠÍK, A., Agricultural Education
PLISKA, J., Physics
PŘIKRYL, Z., Art
RAAB, J., Pedagogics
ŠEVČÍK, F., Geography
ŠTAIGER, M., Industrial Production
TRAPL, M., History
VOJNAR, J., Marxism-Leninism

UNIVERSITA KARLOVA
(Charles University)

PRAGUE 1, NÁM. CURIEOVYCH 7

Telephone: 67441-8.

Founded 1348.

Rector: Prof. J. PROCHÁZKA.
Pro-Rectors: J. KLADIVA, P. LEVIT, F. NOŽIČKA, J. SEIFERT, V. ŠNAID (Profs.); Z. DIENSTBIER (Docent).
Questor: J. M. POLÁK, LL.M.

Library: *see* Libraries.

Number of teachers: 2,842, including 552 professors and docents.

Number of students: 8,477 men, 9,241 women, total 17,718.

Publications: *Acta Universitatis Carolinae, Mathematica et Physica, Biologica, Geologica, Medica, Philosophica et Historica, Iuridica, Philologica, Historia Universitatis Carolinae Pragensis.*

DEANS:

Faculty of Mathematics and Physics: L. KOUBEK (Docent).
Faculty of Natural Sciences: J. GRUNTORÁD (Docent).
Faculty of General Medicine: Prof. R. VANĚČEK.
Faculty of General Medicine, Branch in Plzen: F. MACHULA (Docent).
Faculty of Medicine in Hradec Králov: S. REHÁK (Docent).
Faculty of Pædiatrics: M. MÁČEK (Docent).
Faculty of Medical Hygiene: V. BÍLEK (Docent).
Faculty of Philosophy: F. MUŽÍK (Docent).
Faculty of Law: O. PRŮŠA (Docent).
Faculty of Culture and Journalism: J. MAREK (Docent).
Faculty of Physical Training and Sport: M. CHOUTKA (Docent).
Faculty of Education: Prof. E. KRAEMER.

PROFESSORS:

Faculty of Law:
BYSTRICKÝ, R., International Law
FÁBRY, V., Agricultural Co-operative Law
LEVIT, P., Administrative Law
OUTRATA, V., International Law
PLUNDR., O., Civil Judicial Procedure
RATTINGER, B., Public Law
SOLNAŘ, V., Criminal Law
SPÁČIL, B., Financial Law
ŠTAJGR, F., Civil Judicial Procedure
TUREČEK, J., History of Law
VANĚČEK, V., History of Law

Faculty of General Medicine:
BEDNÁŘ, B., Pathological Anatomy
BLAŽEK, F., Pædiatrics
BOROVANSKÝ, L., Normal Anatomy
CHARVÁT, J., Internal Medicine
DIENSTBIER, E., Ophthalmology
FUČÍK, M., Internal Medicine
HENNER, K., Neurology
HERFORT, K., Internal Medicine
HERLES, F., Internal Medicine
HOENIG, V., Internal Medicine
HOŘEJŠÍ, J., Internal Medicine
HYNIE, J., Sexuology
JAROŠ, M., Orthopædic Surgery
JIROUT, J., Neurology
KÁCL, K., Medical Chemistry
KADLECOVÁ, VERA, Ophthalmology
KARÁSEK, F., Physiology
KLAUS, K., Gynæcology
KONOPÍK, J., Dermato-venerology
KOTÁSEK, A., Gynæcology and Obstetrics
KRÁL, J., Hygiene
KŘEČAN, J., Stomatology
KREDBA, M., Hygiene
KUBELKA, V., Microbiology
KURZ, J., Ophthalmology
LENOCH, F., Balneology
LHOTKA, J., Surgery
LICHTENBERG, J., Surgery
LUKÁŠ, J., Gynæcology and Obstetrics
OBRTEL, J., Dermato-venerology
PATOČKA, F., Microbiology and Immunology
PAVROVSKÝ, J., Surgery
PŘECECHTĚL, A., Oto-rhino-laryngology
PROCHÁZKA, K., Dermato-venerology
REINIŠ, Z., Internal Medicine
REJSEK, K., Internal Medicine
RICHTER, A. F., Medical Chemistry
SEDLÁČEK, K., Phonology
SEEMAN, M., Phonology
SEKLA, B., Biology
ŠNAID, V., Gynæcology and Obstetrics
STARY, O., Neurology
ŠTICH, Z., Medical Organisation
ŠULA, J., Chemistry
ŠVÁB, V., Radiology
TEISSINGER, J., Professional Medicine
TLUSTÝ, V., Dialectical and Historical Materialism
TOMAN, J., Stomatology
TRNBA, V., Gynæcology and Obstetrics
URBAN, F., Stomatology
VANĚČEK, R., Pathological Anatomy
VENTA, J., Gynæcology
VÍTEK, J., Neurology
VONDRÁČEK, J., Neurology
VYCHYTIL, O., Pædiatrics

Faculty of Paediatrics:
FOIT, R., Internal Medicine
HNĚVKOVSKÝ, O., Orthopædic Surgery
HOUŠTĚK, J., Pædiatrics
JEDLIČKA, V., Internal Medicine
KAFKA, V. Pædiatric Surgery
KNOBLOCH, J., Surgery
KUBÁT, K., Pædiatrics
PETER, R., Gynæcology and Obstetrics
PROCHÁZKA, J., Infectious Diseases
RAŠKOVÁ, HELENA, Pharmacology
ŠVEJCAR, J., Pædiatrics

Faculty of Medical Hygiene:
BLÁHA, F., Medical Organisation
BLÁHA, R., Roentgenology
BURIAN, F., Plastic Surgery
ČÍŽKOVA, JIŘINA, Pædiatrics
HLAVÁČEK, V., Oto-Rhino-Laryngology
JONÁŠ, V., Internal Medicine
KARFÍK, V., Plastic Surgery
KREDBA, V., Infectious Diseases
MACEK, Z., Neurology
POLÁK, E., Surgery
SEDLÁK, J., Microbiology
ŠKALOUD, F., Stomatology
SKLÁDAL, J., Clinical Physiology
ŠVESTKA, B., Professional Medicine
SYLLABA, J., Internal Medicine
VOTAVA, Z., Pharmacology
VRABEC, F., Ophthalmology

Faculty of General Medicine in Plzen:
BUREŠ, R., Medical Organisation
KNOBLOCH, R., Oto-Rhino-Laryngology
KÖCHER, Z., Pharmacology
KOS, J., Anatomy
KOTYZA, F., Oto-Rhino-Laryngology
MIKOLÁŠ, V., Gynæcology and Obstetrics
RESL, V., Dermatology
SLABÝ, O., Histology and Embryology
SOVA, J., Internal Medicine
SVEJDA, J., Stomatology
VANĚK, J., Pathological Anatomy
VENCOVSKÝ, E., Psychiatry

Faculty of General Medicine in Hradec Kralové:
BAŠTECKÝ, J., Radiology
BLECHA, J., Pædiatrics
ČERNIK, F., Internal Medicine
DVOŘÁK, V., Hygiene
FINGERLAND, A., Pathological Anatomy
GROSSMAN, V., Pharmacology
HROMADA, J., Normal Anatomy
JANOUŠEK, B., Dermatology and Venerology
JURKOVIČ, V., Internal Medicine
KLÍMA, M., Ophthalmology
MĚLKA, J., Physiology
ONDRÁČEK, J., Infectious Diseases
PETR, R., Surgery
RROCHÁZKA, J., Surgery
SANTHOLZER, V., Physics
SAZAMA, P., Stomatology
ŠERCL, M., Neurology
VÁCHA, K., Gynæcology and Obstetrics
VÁVRA, R., Pathological Physiology
VAVRDA, J., Orthopædic Surgery
VORTEL, V., Pathological Anatomy
VRTIŠ, V., Histology

Faculty of Natural Sciences:
AUGUSTA, J., Palæontology
BARTOŠ, E., Systematic Zoology
BĚHOUNEK, R., Applied Geophysics
CEJP, K., Botany
ČERNOHORSKÝ, Z., Botany
DAUMANN, E., Botany
DVOŘÁK, J., Geology
FETTER, V., Anthropology
FOTT, B., Cryptogramology
HEJTMAN, B., Petrography
HYNIE, O., Hydrogeology
JÍROVEC, O., Zoology and Parasitology
KALOUSEK, M., Physical Chemistry
KODYM, O., Geology
KONTA, J., Petrography
KORČÁK, J., Demography
KOŠTÍR, J., Biochemistry
KOUTEK, J., Geology and Palæontology
KRAMÁŘ, J., Parasitology
KUNSKÝ, J., Physical Geography
LANG, J., Zoology
NĚMEJC, F., Palæontology
NOVÁK, J., Mineralogy
POKORNÝ, V., Zoopalæontology
POUBA, Z., Geology and Mineralogy
PRÁT, S., Physiology of Plants
ROST, R., Mineralogy and Petrography
SEIFERT, J., Soil Biology
ŠKRAMOVSKÝ, S., Inorganic Chemistry
SPINAR, Z., Palæontology
VACHTL, J., Geology
WENIG, K., Zoology
ZÝKA, J., Analytic Chemistry

Faculty of Philosophy:
BĚLIČ, J., Czech Language
BĚLIČ, O., Spanish History and Literature
BURIÁNEK, F., New Czech Literature
CORDÓN, A., Spanish Literature
CHARVÁT, J., General History
DOLANSKÝ, J., Languages and Literature of Yugoslavia
DOSTÁL, A., Comparative Slavonic Linguistics
DROZDA, S., Russian and Soviet Literature
FIALA, Z., Accessory Historical Research
FILIP, J., Prehistory and Protohistory
FISCHER, J., French Literature
GALLA, K., Pedagogics
GOLDSTÜCKER, E., History of German Literature
GÖTZ, F., Dramaturgy
HAVRÁNEK, B., Czech and Slavonic Philology
HILSKÁ, VLASTA, Japanese Literature
HORÁLEK, K., Slavonic Philology
ILEK, B., Russian Literature
JANÁČEK, K., Classical Philology
JEDLIČKA, A., Czech Language
KAVKA, F., Early Czech History
KLADIVA, J., History of the Communist Party in the Č.S.S.R.
KLÍMA, A., Czech and Slovak History
KOPECKÝ, J., History of Czech and Slovak Theatre
KURZ, J., Slavonic Linguistics
MATOUŠ, L., Ancient Oriental History
MUKAŘOVSKY, J., Czech and Slovak Literature and Aesthetics
NOVÁK, M., Aesthetics
OTÁHALOVÁ-POPELOVA, JIŘINA, Philosophy
PAROLEK, R., Russian and Soviet Literature
PEŠINA, J., History of Arts
POLIŠENSKÝ, J., History
PROCHÁZKA, J., History of the Communist Party in the U.S.S.R.
ŘÍHA, O., Contemporary History
SKARHA, A., Ancient Czech Literature
SKALIČKA, V., General Linguistics
ŠMILAUER, V., Czech Literature
SVOBODA, L., Theoretical Psychology
SYCHRA, A., Musicology and Musical Pedagogy
TARDY, V., Psychology
TAUER, F., Literature and History of Civilisation of Islam
TOMČÍK, M., Slovak Literature
TRNKA, B., English Philology
TROST, P., Comparative Indo-European Linguistics and Baltic Philology
URBAN, B. S., Art Education
VODIČKA, F., Czech Literature
ZICH, O., Logic
ŽÁBA, Z., Egyptology

Faculty of Mathematics and Physics:
BRDIČKA, M., Theoretical Physics
BROŽ, J., Experimental Physics
JANKO, J., Statistics
JARNÍK, V., Mathematics
KAŠPAR, E., Physics
KOŘÍNEK, V., Mathematics
KUNZL, V., Experimental Physics
MAŘÍK, J., Mathematics
MOHR, J., Practical Astronomy and Astrophysics
NOŽIČKA, F., Mathematics
POTOČEK, J., Technological Physics
SGALL, P., Philology
VALOUCH, M., Experimental Physics
ZACHOVAL, L., Physics
ZÁTOPEK, A., Geophysics

Faculty of Education:
BOUDA, C., Art Education
BUREŠ, J., Art Education
DOSTAL, A., Pedagogy
KOPECKIJ, L., Russian Language
KRAEMER, E., Geometry
LIDICKÝ, K., Art Education
MEJSTRÍCK, V., History
MIČKO, M., Art Education
PLAVEC, J., Musical Education
SALCMAN, M., Art Education
SOVÁK, M., Defectology
ŽÁČEK, R., Theory and Method of Physical Training

Faculty of Culture and Journalism:
BAREŠ, G., Philosophy
HYHLIK, F., Psychology
KLIMES, V., Journalism

Faculty of Physical Training and Sport:
FLEISCHMANN, J., Anatomy
KRÁTKÝ, F., History of Physical Training
LIBENSKÝ, J., Physical Training
SERBUS, L., Theory and Method of Gymnastics
ZDENIK, D., Theory and Method of Gymnastics

UNIVERSITA 17. LISTOPADU
(University of 17th November)

26 GORKÉHO NÁM., PRAGUE 1
Telephone: 231616.
Founded 1961.

The University provides education for students from abroad.

Rector: Prof. J. MARTINIC, LL.D.
Pro-Rectors: Prof. I. POLDAUF, PH.D., Doc. V. ŠTĚPÁNEK.
Registrar: A. BOLESLAVSKÝ.
Librarian: V. HADINEC.

Number of teachers: 138.

DEANS:

Faculty of Language and General Knowledge: K. HRUDKA.
Faculty of Natural and Technical Science: B. HOJDEM.
Faculty of Social Science: S. JIRÁNEK (Pro-Dean), MARIE KOTÍKOVÁ (Pro-Dean).

PROFESSORS:

KALÁB, M., Philosophy
MARTINIC, J., General Economics
POLDAUF, I., Linguistics

UNIVERZITA "PAVLA JOZEFA ŠAFÁRIKA"

ŠROBÁROVA 57, KOŠICE
Founded 1963.

Faculties of Medicine, Letters and Natural Sciences.

TECHNICAL UNIVERSITIES

ČESKÉ VYSOKÉ UČENÍ TECHNICKÉ V PRAZE

(Technical University of Prague)

PRAGUE 2, HORSKÁ 3

Founded 1707; reorganised 1806, 1863, 1920, 1960.

Rector: Prof. Ing. Dr. J. Kožoušek.
Vice-Rectors: Docent J. Olma, c.sc., Doc. Ing. K. Svejda, Prof. Ing. Dr. A. Veverka, dr.sc., Prof. Ing. Arch. K. Neumann.

Number of teachers: 1,250, including 227 professors and docents.
Number of students: 15,000.

Deans:

Faculty of Civil Engineering: Prof. Ing. Arch. Dr. K. Janů, dr.sc.
Faculty of Mechanical Engineering: Prof. Ing. F. Dražan.
Faculty of Electrical Engineering: Prof. Ing. K. Kolovrat.
Faculty of Nuclear Physics: Prof. Ing. Dr. L. Haňka.

SLOVENSKÁ VYSOKÁ ŠKOLA TECHNICKÁ

(The Slovak Technical University in Bratislava)

BRATISLAVA, GOTTWALDOVO nám. 50

Founded 1938.

Rector: Prof. Dr. Ing. J. Trokan.
Registrar: Dr. M. Gero.

Number of teachers: 1,125.
Number of students: 12,861.

Deans:

Faculty of Electrical Engineering: Prof. Ing. L. Reiss.
Faculty of Chemistry: Doc. Ing. A. Blažej, c.sc.
Faculty of Civil Engineering: Prof. Ing. Arch. P. Nahálka, c.sc.
Faculty of Mechanical Engineering: Prof. Ing. M. Škrabák.

Professors:

Faculty of Electrical Engineering:
Benda, O., Electrotechnics
Bláha, A., Electrical Engineering
Chmúrny, Radioelectronics
Cigánek, L., Electrical Machines and Appliances
Éspe, W., Vacuum Technology
Ilkovič, D., Physics
Kneppo, L., Electrotechnics
Reiss, L., Electrical Energy
Rozsypal, A., Electrical Engineering
Šalamon, M., Automation
Schwarz, Š., Mathematics
Vávra, J., Electrical Energy

Faculty of Chemistry:
Gašperík, J., Organic Chemistry
Gregor, M., Inorganic Chemistry
Hostomský, J., Wood and Chemical Fibres
Hrušovský, M., Organic Chemistry
Ivančenko, D., Carbohydrates
Kellö, V., Physical Chemistry
Kozmál, F., Wood and Chemical Fibres
Nemec, P., Microbiology and Biochemistry
Šiške, V., Inorganic Chemistry
Vašátko, J., Carbohydrates
Veselý, V., Petroleum

Faculty of Civil Engineering:
Balažovjech, V., Mechanics
Beisetzer, L., Building Structure
Belluš, E., Architecture
Boor, B., Hydraulics
Chrobák, V., Building Structures
Dub, O., Hydromelioration
Figuš, V., Building Materials and Parts
Frano, V., Structural Materials and Elements
Gál, P., Geodesy
Havelka, K., Concrete Construction
Horný, J., Economics of the Building Industry
Hruška, E., Town Planning
Karfík, V., Architecture
Koula, J., Theory and History of Architecture
Krajčí, J., Geodetics
Kuska, F., Geodetics
Lacko, J., Architecture
Lukačovič, S., Technical Equipment of Buildings
Macura, L., Hydromelioration
Marek, M., Road Building
Mikuša, J., Surveying
Minich, L., Geodetics
Nahálka, P., Agricultural Structures
Peter, P., Foundation Engineering
Slabihoud, M., Technology of Structures
Stahl, P., Economics of the Building Industry
Suchánek, A., Geodetic Surveys
Svetlík, J., Architecture
Synek, V., Economics of the Building Industry
Tesár, A., Metal and Wooden Structures
Trokan, J., Bridge Construction
Višnovský, P., Sanitary Engineering

Faculty of Mechanical Engineering:
Čabelka, J., Mechanical Engineering
Gonda, J., Applied Mechanics
Kováč, J., Applied Mechanics
Lengyel, J., Water Mechanics
Puchner, O., Applied Mechanics
Šišolák, E., Machine Components
Škrabák, M., Chemical Engineering
Škrabal, E., Mechanical Engineering

VYSOKÉ UČENÍ TECHNICKÉ V BRNĚ

(Technical University of Brno)

BRNO, OPLETALOVA 6

Founded 1899.

Rector: Doc. Ing. Dr. V. Meduna.
Pro-Rectors: Doc. F. Kuklík, ph.d., Prof. Ing. K. Raclavský, Prof. Ing. Arch. Z. Alexa, Prof. Ing. Dr. F. Kuba.
Librarian: S. Štepánek.

Number of professors: 59.
Publication: *Bulletin of the Technical University of Brno* (quarterly).

Deans:

Faculty of Architecture: Prof. Ing. M. Tejc.
Faculty of Engineering: Prof. Ing. V. Horák.
Faculty of Electrical Engineering: Prof. Ing. J. Brauner.

Professors:

Faculty of Architecture:
Alexa, Z., Architectural Creation
Bezdíček, V., Hydraulic Structures
Bužga, J., Steel Constructions and Bridges
Cablík, J., Hydromelioration
Chamrád, V., Residential Buildings
Cigánek, M., Concrete Constructions
Doubrava, F., Drawing and Modelling
Drahonovský, Z., Structural Mechanics
Formáček, V., Civic Buildings
Gross, V., Machinery and Mechanisation
Klapka, J., Descriptive Geometry
Kolář, V., Structural Mechanics
Kratochvíl, S., Hydrotechnics
Kunštácky, J., Hydraulic Structures
Kurial, A., Conservation of Monuments
Lach, V., Manufacture of Building Materials
Lederer, F., Steel Construction and Bridges
Malý, P., Machinery and Mechanisation
Meduna, V., Town Planning
Mencl, V., Founding of Structures
Mejzlík, L., Structural Mechanics
Piska, R., Mathematics
Pokorný, M., Founding of Structures
Říha, J., Manufacture of Structural Elements
Škarda, E., Town Planning
Šmerda, Z., Concrete Constructions
Sukovitý, A., Sanitary Engineering
Tejc, M., Structural Economics
Turek, J., Construction of Overground Structures
Vaverka, J., Transport Structures
Vavřín, F., Manufacture of Building Materials
Wagner, A., Chemistry
Zuda, K., Concrete Constructions

Faculty of Engineering:
Bradík, J., Founding
Brejcha, J., Mathematics
Farlík, A., Technical Mechanics, Strength of Materials
Hlušek, J., Hydraulic Machinery
Horák, V., Machining and Manufacture Equipment
Kuba, F., Economics, Planning of Industrial Plants
Nechleba, M., Hydraulic Machinery
Němec, A., Machine Engineering
Žižka, J., Combustion Motors

Faculty of Electrical Engineering:
Brauner, J., Electroenergetics
Čadil, F., Electroenergetics
Kalendovský, J., Radio Engineering, Production Lines
Koštál, R., Physics
Raclavský, K., Electrical Engineering

COLLEGES

VYSOKÁ ŠKOLA BÁŇSKÁ
(State College of Mining and Metallurgy)
DVORÁKOVA 7, OSTRAVA 1
Telephone: 225,85.

Founded 1849.

Rector: Prof. RNDr. B. Růžička.
Pro-Rectors: Prof. RNDr. O. Hajkr, Prof. Dr. Ing. R. Kittrich, Prof. Ing. M. Gottwald, Doc. Ing. L. Kysela.
Registrar: JUDr. D. Beránek.
Librarian: Jirina Zlá.

Number of teachers: 363.
Number of students: 2,890.

Publication: *Sborník vědeckých prací VSB.*

DEANS:

Faculty of Mining and Geology: Doc. Ing. M. Vavro.
Faculty of Metallurgy: Prof. Ing. A. Kozina.
Faculty of Mining and Metallurgical Machinery: Prof. Ing. F. Patrman.

VYSOKÁ ŠKOLA CHEMICKO-TECHNOLOGICKÁ
(College of Chemical Technology)
PRAGUE 6, TECHNICKA 1905
Telephone: 322141-6.

Founded 1952.

Rector: Prof. Ing. Dr. G. Janíček.
Pro-Rectors: Prof. Ing. Dr. R. Bretschneider, Prof. Ing. Dr. J. Mostecký, c.sc., Doc. Ing. J. Jarý, c.sc., Doc. JUDr. J. Stýblo, c.sc.

Number of teachers: 400.
Number of students: 3,286.

Publication: *Sborník Vysoké školy chemicko-technologické v Praze* (4 vols. yearly).

DEANS:

Faculty of Inorganic Technology: Prof. Ing. Dr. J. Pick, c.sc.
Faculty of Organic Technology: Prof. Ing. Dr. I. Franta.
Faculty of Fuel and Water Technology: Prof. Ing. Dr. R. Riedl.
Faculty of Food Processing Technology: Doc. Ing. MUDr. V. Šícho.
Faculty of Chemical Industry Automation and Economics: Prof. Ing. Dr. E. Slavíček.

VYSOKÁ ŠKOLA CHEMICKO-TECHNOLOGICKÁ V PARDUBICÍCH
(University of Chemical Technology in Pardubice)
PARDUBICE, UL. SLOVENSKÉHO POVSTÁNÍ 565

Founded 1950.

Rector: Prof. Ing. Dr. J. Klikorka.
Pro-Rectors: Prof. Ing. J. Herynk, Prof. Ing. K. Friml, Doc. RNDr. J. Jeník, c.sc., Doc. J. Langpaul.

Library: 75,000 vols.
Number of teachers: 165.
Number of students: 1,452 of whom 515 are women.

Librarian: JUDr. A. Těšitel.

Publication: *Scientific Papers* (twice yearly).

HEADS OF DEPARTMENTS:

Mathematics: Doc. J. Langpaul.
Physics: Doc. RNDr. J. Kašpar.
General and Inorganic Chemistry: Prof. Ing. Dr. J. Klikorka.
Organic Chemistry: Prof. Ing. Dr. M. Večeřa, dr. sc.
Analytical Chemistry: Prof. Ing. Dr. M. Jureček, dr.sc.
Physical Chemistry: Doc. RNDr. A. Tockstein, c.sc.
Processes and Apparatus of Chemical Technology: Prof. RNDr. A. Pilař.
Automation of Chemical Processes: Prof. Ing. J. Komúrka.
Organisation, Economics and Planning of Chemical Industry: Doc. Dr. J. Janko.
Inorganic Technology: Doc. Ing. Dr. J. Mýl.
Organic Technology: Prof. Ing. J. Herynk.
Technology of Plastics: Prof. Ing. K. Friml.
Chemical Technology of Wood: Doc. Ing. Z. Král.
Chemical Technology of Textiles and Fibres: Prof. Ing. K. Friml.

VYSOKÁ ŠKOLA EKONOMICKÁ
(College of Economics)
PRAGUE

Rector: Prof. JUDr. V. Sedlák.
Pro-Rectors: Doc. V. Novotný, Doc. M. Tuček, Doc. Vera Kyprová.

DEANS:

Faculty of General Economics: M. Šmejkal.
Faculty of Production Economics: V. Pachman.
Faculty of Domestic and Foreign Trade: J. Nykryn.
Institute of Economic Planning: E. Vopička.

PROFESSORS:

Černianský, V., Foreign Trade Economics
Hodek, A., Economic Planning, Industrial Economics
Hospodka, V., Transport Economics
Janáček, J., Finance and Financial Law
Korda, B., Economic Statistics
Nykryn, J., Foreign Trade
Oliva, F., Political Economy
Pernica, K. M., Home Trade Economics
Sedlák, V., Planned Economy
Vopička, E., Industrial Economics

VYSOKÁ ŠKOLA EKONOMICKÁ
(College of Economic Sciences)
BRATISLAVA, UL. ODBOJÁROV 12

Founded 1940, became State School 1945.

Rector: Prof. Dr. Š. Fišera.
Pro-Rectors: Doc. Ing. M. Majcher, c.sc., Doc. Ing. J. Sojka, c.sc.

Number of teachers: 190.
Number of students: 2,018 men, 1,060 women, total 3,078.

DEANS:

Faculty of Political Economy: Doc. Ing. J. Mihalik, c.sc.
Faculty of Branch Economics: Doc. Ing. M. Švantner, c.sc.
Faculty of National Planning: Doc. Ing. J. Fecanin.

PROFESSORS:

Fišera, Š., Economics of Agriculture
Partyk, B., Accounting
Pazman, J., Economics of Industry
Rosa, J., Finance
Sveton, J., Statistics

VYSOKÁ ŠKOLA LESNICKÁ A DŘEVAŘSKÁ
(College of Forestry and Lumber Industry)
ZVOLEN

Rector: Dr. Ing. E. Hromada.
Pro-Rectors: Dr. M. Jóža, Dr. Ing. H. Bezačínsky, Dr. Ing. J. Porubiak.

Number of professors: 8.

DEANS:

Faculty of Forestry: Dr. Ing. R. Šály.
Faculty of Lumber Industry: Prof. Ing. J. Palovič.

VYSOKÁ ŠKOLA STROJNÍ A ELEKTROTECHNICKA
(College of Mechanical and Electrical Engineering in Pilsen)
PLZEN

Founded 1949 (reconstituted 1953–60).

Rector: Prof. Ing. Dr. P. Breník.
Pro-Rectors: Doc. Ing. M. Čapek, c.sc., Doc. Ing. S. Kubík, c.sc., Doc. Ing. J. Jaren.

Number of professors and docents: 30.
Number of students: 1,790 (175 women).
Library of 77,500 vols.
Publications: *Annals of Scientific Research.*

DEANS:

Faculty of Mechanical Engineering: Prof. Ing. J. Bukovsky, DCAe.
Faculty of Electrical Engineering: Prof. Ing. Dr. K. Volf.

VYSOKÁ ŠKOLA STROJNÍ A TEXTILNÍ V LIBER (College of Mechanical and Textile Engineering in Liberec)

Founded 1953.

Rector: Doc. Ing. V. Dráb.
Pro-Rectors: Prof. Ing. C. Höschl, Prof. Ing. F. Křístek, Prof. Ing. J. Mayer, F. Stárek.
Registrar: E. Drnovský.

Number of staff: 200.
Number of students: 950 men, 150 women.

Faculty of Mechanical Engineering.
Faculty of Textile Engineering and Technology.

PROFESSORS:

Čirlič, J., Textile Fibres
Fořt, J., Cranes and Transport Machines
Höschl, C., Strength of Materials
Kámen, F., Power Engines and Steam Generators
Kotšmíd, F., Glass Technology and Machinery
Křístek, F., Organisation and Machine Working
Mayer, J., Steam Turbines
Meduna, O., Machine Parts
Odstrčil, B., Technology of Light Metals
Pompe, F., Weaving and Carding and their Machinery
Simon, J., Textiles and Textile Machinery
Sýkora, K., Thermomechanics and Technical Measurements

VYSOKÁ ŠKOLA TECHNICKÁ V KOŠICIACH (College of Technology)

KOŠICE

Founded 1952.

Rector: Prof. Ing. J. Buša.
Pro-Rectors: Doc. Ing. L. Rozložník, c.sc., Doc. Ing. Š. Samson, c.sc., Prof. Ing. O. Kaštánek, Prof. Dr. Ing. V. Malý.

Number of professors: 20.

Faculty of Mining.
Faculty of Metallurgy.
Faculty of Engineering.

VYSOKÁ ŠKOLA ZELEZNIČNI (Technical College of Transport)

ŽILINA, MOYZESOVA UL. 20

Founded 1953.

Rector: Prof. Ing. J. Jeřábak, c.sc.
Pro-Rectors: Prof. RNDr. M. Harant, Doc. Ing. J. Kvasil, Doc. Ing. V. Veselý.

Number of teachers: 268, including 21 professors.
Number of students: 2,100.
Library of 90,000 vols.

DEANS:

Faculty of Construction: Prof. Ing. Dr. J. Ducháček.
Faculty of Mechanical and Electrical Engineering: Doc. Ing. J. Ponec.
Faculty of Transport Engineering: Prof. Ing. J. Racek.

VYSOKÁ ŠKOLA ZEMĚDELSKÁ (College of Agriculture)

BRNO, ZEMEDELSKÁ 1

Founded by State Law in 1919.

Rector: Prof. Ing. Dr. M. Vyskot, sc.c.
Pro-Rectors: Prof. Ing. Dr. J. Kopecký, Prof. Dr. J. Zak, Doc. MVDr. M. Lebeda, Prof. MVDr. V. Dyk.

Library of 228,654 vols.
Number of teachers: 381.
Number of students: 2,903 men, 1,003 women, total 3,906.
Publications: *Sborník vysoké školy zemědělské a lesnické v Brně* (Annals of the College of Agriculture).

DEANS:

Faculty of Agronomy: Doc. Ing. J. Tyleček, sc.c.
Faculty of Economic Management: Prof. Dr. A. Grolig, sc.c.
Faculty of Forestry: Prof. Ing. O. Riedl.
Faculty of Veterinary Science: Doc. MVDr. M. Zendulka, sc.c.

PROFESSORS:

Faculty of Agronomy:
Calábek, J., Botany
Jůva, K., Land Reclamation
Kopecký, J., Cattle Breeding
Kostomarov, B., Ichthyology
Koudela, S., Animal Nutrition
Miller, F., Entomology
Podhradský, J., Poultry Farming
Sebela, F., Lactology
Šimon, J., Plant Production
Smíšek, V., Pig Breeding
Tomšík, B., Apiculture and Silk Industry

Faculty of Economic Management:
Blažke, J., Agricultural Law
Grolig, A., Agricultural Economics
Koželuha, V., General Zootechnics
Marak, K., Chemistry
Peterka, O., Agricultural Statistics
Vondráček, K., Zoology
Vymětal, V., Agrotechnics
Žák, J., Physics

Faculty of Forestry:
Čermák, K., Exploitation and Technology
Doležal, B., Management
Fausek, L., Geodesy
Hašek, J., Protection
Kantor, J., Plantation and Development
Leporsky, A., Dendrometry
Pelíšek, J., Geology and Pedology
Polák, O., Economics
Polansky, B., Plantation and Development
Riedl, O., Afforestation
Zlatník, A., Botany

Faculty of Veterinary Science:
Churý, J., Biology and Zoology
Janeček, A., Medical Chemistry
Dyk, V., Parasitology
Král, E., Surgery and Orthopædics
Pařízek, M., Zootechnics
Přibyl, E., Obstetrics and Gynæcology

VYSOKÁ ŠKOLA ZEMĚDELSKÁ (Agricultural College)

PRAGUE 19,
1903 TECHNICKÁ, DEJVICE

Founded 1906.

Rector: Doc. Ing. K. Kudrna, sc.d.
Pro-Rectors: Prof. Ing. Dr. E. Kunz, sc.d., Doc. Ing. L. Vrba, sc.c., Doc. Dr. V. Regal, Doc. Ing. A. Fabry, sc.c.
Questor: JUDr. J. Urych.
Librarian: R. Baxová.

Number of teachers: 389.
Number of students: 5,323.

DEANS:

Faculty of Agronomy: Prof. Dr. Ing. J. Hruza, d.sc.
Faculty of Mechanics: Prof. Dr. Ing. A. Pekny.
Faculty of Economics and Socialist Organisation of Agriculture: Doc. Ing. C. Ledl, sc.c.

SCHOOLS OF ART AND MUSIC

Akademie muzických umění (*Academy of Musical Arts*): Prague 1, Dům umělců; faculties of music, theatre and dramatic art, dance, puppetry, film and television art; Rector Prof. A. M. Brousil.

Akademie výtvarných umění (*Academy of Fine Arts*): Prague 7, U. Akademie 172; f. 1799; 16 mems.; Rector Prof. Dr. J. Kotalík.

Janáčkova akademie múzických umění (*Janáček Academy of Musical Arts*): Brno, Komenského náměstí 6; 22 professors, 38 internal lecturers, 90 external lecturers; Rector Dr. J. Burjanek.

Konzervatórium hudby (*State Conservatoire of Music*): Bratislava, Rybné nám. 7; sections for singing, wind instruments, strings, keyboard instruments, composing and conducting, dancing; 100 teachers, 500 students; Dir. Z. Nováček.

Konservatoř Leoše Janáčka v Brně (*Conservatoire*): Brno, Trida kpt Jaroše 43-45; f. 1881; 112 professors, 546 students; Dir. K. Horký.

Státni konservatoř v Praze (*State Conservatoire of Music*): Prague 1, Na. rejdišti 1; f. 1811; 120 professors, 650 students; Rector Dr. V. Holzknecht.

Vysoká škola muzických umění (*Academy of Arts*): Bratislava, Štúrova 7; faculties of music, dramatic arts; Rector Dr. O. Ferenczy.

Vysoká škola uměleckoprůmyslová (*Academy of Applied Arts*): Prague 1, nám. Krasnoarmějců 80; f. 1885; 293 students; Rector Prof. O. Eckert.

Vysoká škola výtvarných umění (*High School of Fine Arts*): Bratislava, Hviezdoslavovo nám. 18; f. 1949; 45 teachers, 162 students; library of 12,000 vols.; Rector R. Pribiš, Pro-Rector O. Dubay, Questor S. Orlík.

DAHOMEY

Population 2,250,000

RESEARCH INSTITUTES

Compagnie Française pour le Développement des Fibres Textiles (CDFT): B.P. 275, Cotonou; brs. at Bohicon and Kandi.

Institut de Recherches Agronomiques Tropicales et des Cultures Vivrières (IRAT): B.P. 422, Cotonou; brs. at Niaouli, Ina and Parakou.

Institut de Recherches pour les Huiles et Oléagineux (IRHO): Oil Palm Station; Pobé; Coconut Research Station: Semé-Podji; also a branch at Savé.

Office de la Recherche Scientifique et Technique Outre-Mer (ORSTOM): B.P. 310, Cotonou.

LIBRARY AND MUSEUM

Bibliothèque Nationale: Porto Novo.

Musée d'Abomey: Abomey.

COLLEGE

Institut Pédagogique National: Porto Novo; f. 1962.

DENMARK

Population 4,647,000

ACADEMIES

DET KONGELIGE DANSKE VIDENSKABERNES SELSKAB

(The Royal Danish Academy of Sciences and Letters)

DANTES PLADS 5, COPENHAGEN V.

Founded 1742

President: JOHS. PEDERSEN.

Chairman of History and Philosophy Section: FRANZ BLATT.

Chairman of Mathematics and Natural Sciences Section: EINAR LUNDSGAARD.

Secretary: CHRISTIAN MØLLER.

Editor: L. L. HAMMERICH.

Treasurer: HEINZ HOLTER.

Archivist: ASGER LOMHOLT.

Publications: *Oversigt* (annual), *Meddelelser* and *Skrifter* (Hist. & Philos., Maths. & Phys., Biol.).

DANISH MEMBERS:

Section for History and Philosophy:

ARNHOLTZ, ARTHUR.
BAGGE, POVL.
BARR, KAJ.
BECH, GUNNAR.
BECKER, C. J.
BIRKET-SMITH, KAJ.
BLATT, FRANZ.
BLINKENBERG, ANDREAS.
BRANDT, FRITHIOF.
BRØNDSTED, JOHANNES B.
BRØNDUM-NIELSEN, JOHS.
BØGGILD-ANDERSEN, C. O.
ELLING, CHRISTIAN T.
ERICHSEN, W.
FABRICIUS, KNUD F. K.
GLOB, P. V.
HALD, KRISTIAN
HAMMERICH, L. L.
HANSEN, AAGE
HELGASON, JÓN.
HJELHOLT, HOLGER.
IUUL, STIG A.
JANSEN, F. J. BILLESKOV.
JENSEN, POVL JOHANNES.
JEPPESEN, KNUD CHRISTIAN.
JOHANSEN, KNUD FRIIS.
JØRGENSEN, PETER.
KROGH, TORBEN TH.
KRÜGER, PAUL
LARSEN, JENS PETER.
MATHIASSEN, THERKEL.
PEDERSEN, JOHS. P. E.
POULSEN, V. H.
RIIS, P. J.
RUBOW, PAUL V.
SCHIØRRING, NILS.
SKAUTRUP, J. PETER A.
SKRUBBELTRANG, FRIDLEV S.
STEENSBERG, AXEL.
STEN, HOLGER K.
TOGEBY, KNUD D. N.
TOPSØE-JENSEN, H.

Section for Mathematics and Natural Sciences:

ANDERSEN, EINAR A.
ANDERSEN, ERIK SPARRE.
ASMUSSEN, ERLING.
ASMUSSEN, ROBERT W.
BAK, BØRGE N.
BAK, THOR A.
BALLHAUSEN, C. J.
BANG, THØGER.
BERG, KAJ.
BJERRUM, JANNIK.
BOHR, AAGE N.
BUCHTHAL, FRITZ.
BØGGILD, J. K.
CHRISTIANSEN, JENS ANTON.
DAM, C. P. HENRIK.
DEGERBØL, M. A.
EINARSON, LÁRUS.
FAURHOLT, CARL.
FENCHEL, M. WERNER.
HALD, ANDERS H.
HERTZSPRUNG, EJNAR.
HOLTER HEINZ.
HUUS, TORBEN
IVERSEN, JOHS.
JENSEN, AKSEL TOVBORG.
JENSEN, KAI ADOLF.
JENSEN, KAI ARNE.
JESSEN, BØRGE CHRISTIAN.
JESSEN, KNUD.
JØRGENSEN, CARL ADOLF.
JØRGENSEN, C. C. B.
KAUFFMANN, FRITZ J.
KJAER, ANDERS C.
KOFOED-HANSEN, OTTO M.
KRISTENSEN. MARTIN K.
LARSEN, C. SYRACH
LASSEN, N. O.
LINDHARD, JENS.
LUND, HAKON
LUNDSGAARD, EINAR.
MAALØE, OLE URBAN.
MØLLER, CHRISTIAN.
MØLLER, KNUD OVE.
NIELSEN CHR. OVERGAARD
NIELSON, EIGIL H. A.
NIELSEN, H. E. STEEMANN.
NIELSEN, NIELS.
NOE-NYGAARD, ARNE.
NØRLUND, NIELS ERIK.
OLSEN, CARSTEN.
OTTESEN, MARTIN.
PEDERSEN, KAI J.
POULSEN, CHR.
REHBERG, POUL BRANDT.
REIZ, S. ANDERS T.
ROSENKRANTZ, ALFRED J.
RUDKJØBING, MOGENS H.
SAND, KNUD.
SCHOU, AXEL WILLIAM.
SKOU, J C.
SORGENFREI, TH.
SØRENSEN, THORVALD J.
TEILUM, GUNNAR.
THOMSEN, N. MATHIAS P.
THORSON, GUNNAR A. W.
TORNEHAVE, HANS M. N.
TROELS-SMITH, JØRGEN A.
USSING, HANS H.
VEIBEL, STIG ERIK.
WEIS-FOGH, TORKEL
WESTERGAARD, MOGENS C. W.
VON WETTSTEIN, DITER H.
WINGSTRAND, KARL GEORG.
ZEUTHEN, ERIK.
ØRSKOV, JEPPE.

Det Kgl. Akademi for de Skonne Kunster i København (*The Royal Academy of Fine Arts*): Charlottenborg, Kongens Nytorv 1, Copenhagen K; f. 1754.
President: H. OLSEN.
Vice-President: F. BENDTSEN.
Secretary: P. B. PONTOPIDDAN.

Akademiet for de Tekniske Videnskaber (*Academy of Technical Sciences*): 11, Rigensgade, Copenhagen K; f. 1937; 470 mems., of which roughly half represent science and half industry and agriculture. Members belong to one of 8 science groups: basic sciences, chemical, mechanical, civil, electrical and agricultural engineering, industrial economy, biology, and hygiene. Twenty-one research institutes and associations are affiliated to ATV. Pres. N. E. HOLMBLAD; Sec. BJERRE LAVESON.

AFFILIATED INSTITUTIONS

- Asfaltindustriens Vejforskningslaboratorium (*Asphalt Industries' Road Research Laboratory*).
- Biocentralen (*Association of Biotechnical Industry and Research*).
- Danatom (*Danish Association for Industrial Development of Atomic Energy*).
- Dansk Fedtforskningsinstitut (*Danish Fat Research Institute*).
- Forskningsinstituttet for Handels-og Industriplanter (*The Research Institute of Commercial and Industrial Plants*).
- Geoteknisk Institut (*Danish Geotechnical Institute*).
- Instituttet for Elektronikmateriels Pålidelighed (*Institute of Electronics Equipment Reliability*).
- Isotopcentralen (*Danish Isotope Centre*).
- Lak-og Farveindustriens Forskningslaboratorium (*Central Research Laboratory of the Danish Varnish and Paint Industry*).
- Lydteknisk Laboratorium (*Acoustical Laboratory*).
- Mikrobolgelaboratoriet (*Microwave Laboratory*).
- Optisk Laboratorium (*Laboratory for Technical Optics*).
- Radioteknisk Forskningslaboratorium (*Radio Receiver Research Laboratory*).
- Regnecentralen (*Danish Institute of Computing Machinery*).
- Servoteknisk Selskab (*Servo-Technical Association*).
- Svejsecentralen (*Danish Central Welding Institution*
- Træraadet (*Danish Food Council*).

LEARNED SOCIETIES

Agriculture and Veterinary Science

Dansk Agronomforening (*Danish Agronomy Society*): Rolighedsvej 26, Copenhagen V; f. 1896; Sec. Alfred Larsen.

Dansk Mejeristforening (*Danish Dairying Society*): Vindegade 74, Odense; f. 1887; 2,500 mems.; Dir. Frilev Nielsen; publ. *Maelkeritidende*.

Dansk Skovforening (*Danish Forestry Society*): Vester Voldgade 86, Copenhagen V; f. 1888; Chair. C. F. G. Moltke.

Det Danske Hedeselskab (*Danish Heathland Society*): Viborg; f. 1866; land reclamation and afforestation studies; 18,000 mems.; Dir. F. Heick.

Det Kgl. Danske Landhusholdningsselskab (*Royal Danish Agricultural Society*): Rolighedsvej 26, Copenhagen V; f. 1769; Presidents J. C. Ridder, A. Olufsen, E. A. Tesdorpf; Sec. J. C. Ridder.

Architecture and Town Planning

Dansk Byplanlaboratorium (*Danish Town Planning Centre*): Tordenskjoldsgade, Copenhagen; f. 1921; Dir. V. Malling.

Danske Arkitekters Landsforbund (*Federation of Danish Architects*): Bredgade 66, Copenhagen; f. 1951; 1,937 mems.; Chair. Hans Henning Hansen; Publs. *Arkitekten, Arkitektur.*

Affiliated Associations:

Akademisk Arkitektforening: f. 1879; Sec. Torben Krag.

Dansk Arkitektforening: f. 1886; Chair. Carlo Odgaard.

The Arts

Dansk Billedhuggersamfund (*Danish Sculptors' Society*): Kunstakadamiet, Charlottenborg, Copenhagen; f. 1905; Chair. Hans Olsen.

Dansk Komponist-Forening (*Danish Composers' Society*): Kronprinsessegade 26; Copenhagen K; f. 1913; Chair. Poul Rovsing Olsen.

Dansk Korforening (*Danish Choral Society*): Hostrupsvej 2, Copenhagen V; f. 1911; Dir. J. H. Frandsen.

Dansk Tonekunster Forening (*Danish Musical Society*): Radhusstraede 1, Copenhagen K; f. 1903; Sec. S. Heering.

Foreningen for National Kunst (*Society for National Art*): Landemarkt 3, Copenhagen; f. 1900; Dir. P. C. J. Stagsted; Sec. O. Haase.

Kunstnerforening af 18de November (*Artists' Association of the 18th November*): Dr. Tvaergade 30, Copenhagen K; f. 1842; Chair. Jørn Glob; Sec. Mogens Müllertz.

Kunstforeningen i København: Gl. Strand 48, Copenhagen; f. 1825; Sec. Else Wiinstedt.

Landsforeningen Dansk Kunsthaandværk (*The Danish Society of Arts and Crafts and Industrial Design*): Bredgade 66, Copenhagen K; f. 1907; arranges exhibitions at home and abroad; 2,142 mems.; Chair. P. Hostrup Pedersen; Managing Dir. Bent Salicath; publ. *Dansk Kunsthaandværk* (6 a year).

Malende Kunstneres Sammenslutning (*Painters' Association*): Copenhagen; f. 1909; 300 mems.; Chair. Folmer Bendtsen; Sec. Erik M. Goldschmidt; Nørregade 33, Copenhagen.

Ny Carlsbergfondet (*The New Carlsberg Foundation*): Dantes Plads, Copenhagen V; f. 1902; supports art and history of art in Denmark; Pres. Jørgen Sthyr.

Samfundet til Udgivelse af Dansk Musik) *Society for the Publication of Danish Music*): Graabrødretorv 7, Copenhagen K; f. 1871; Dir. F. Weis.

Sammenslutningen af Danske Kunstforeninger (*National Committee of Danish Art Societies*): Vodroffsvej 48, Copenhagen V; f. 1825; arranges touring art exhibitions with government support; 10,000 mems.; Pres. A. Boesen; Sec. Edith Dam.

Bibliography, Library Science and Museology

Bibliotekscentralen: Mosedalvej 11, Copenhagen Valby; f. 1939; provides bibliographical services for Danish libraries, including centralised cataloguing, national bibliographies, book lists and special bibliographies; Dir. Leo Alster; publs. *Dansk Bogfortegnelse* (The Danish National Bibligraphy), *Dansk Tidsskriftfortegnelse* (Danish Periodicals), *Dansk Tidsskrift Index* (Subject Guide to Danish Periodicals), *Avis Kronik Index* (Subject Guide to Danish Newspaper Articles), *Biblioteksårbog* (Library Yearbook), etc.

Danmarks Biblioteksforening (*The Danish Library Association*): Mosedalsvej 11, Copenhagen; f. 1905; Sec. Svend Esbech; publ. *Bogens Verden* (World of Books).

Dansk Kulturhistorisk Museumsforening: Frederiksholms Kanal 12, Copenhagen K; f. 1929; annual assemblies and study meetings; 111 institutional mems.; Pres. Knud Klem; Sec. P. Halkjær Kristensen; publ. *Arv & Eje.*

Foreningen af Danske Kunstmuseer i Provinsen: c/o The Director, H. C. Andersens Boul. 48, Copenhagen V; f. 1934.

Economics, Law and Politics

Danmarks Juristforbund (*Danish Lawyers' Association*): Gothersgade 131-33, Copenhagen K; f. 1953; Chair. W. E. von Eyben; publ. *Juristen* (twice monthly).

Dansk Kriminalistforening: Gl. Torv 18, Copenhagen; f. 1899; Sec. E. L. J. Høgh.

Danske Økonomers Forening (*Danish Economists' Society*): Købmagergade 54, Copenhagen K; f. 1953; Chair. N. Elkaerhansen.

International Law Association: Danish Branch; c/o Hon. Sec. A. Kaufmann, Skoubogade 1, Copenhagen K; f. 1925; Pres. Judge N. V. Boeg.

Juridisk Forening: Amaliegade 4, Copenhagen; Sec. N. J. J. Klerk.

Nationaløkonomisk Forening: Nørregade 49, Copenhagen; f. 1873; Sec. Paul Paulsen.

Det Udenrigspolitiske Selskab (*Foreign Policy Society*): Favergade 4, Copenhagen; f. 1946; Sec. J. N. Wilhjelm; publs. *Fremtiden, Udenrigspolitiske, Skrifter, Økonomisk Kronik.*

Education

Dansk Forening for Hjem og Skole (*Danish Society for Home and School*): V. Vedsted, Copenhagen; f. 1887; Dir. Dr. Holger Kjoer.

Mellemfolkeligt Samvirke (*Danish Association for International Co-operation*): Kronprinsessegade 32, Copenhagen K: adult education project, Mysore, India; administration of Danish Development Volunteers and International Work Camps in Denmark; public information service on the problems of the developing countries and international co-operation.

Tuborgfondet (*The Tuborg Foundation*); H. C. Andersen's Bd. 22, Copenhagen V; f. 1931; financed by grants from Tuborg Breweries' shareholders; educational grants, especially in support of commerce and industry; Chair. J. A. Kørbing.

Udvalget for Folkelig Universitetsundervisning (*Committee for National Universities and Colleges*): Universitetet, Copenhagen; Dir. T. W. Böcher.

HISTORY, GEOGRAPHY AND ARCHÆOLOGY

Arktisk Institut: Kraemer Hus, L. E. Bruunsvej 10, Charlottenlund; f. 1954; Dir. Vice-Admiral A. H. VEDEL.

Dansk Historisk Forening (*Danish Historical Society*): Kr. Zahrtmanns Plads 83, Copenhagen; f. 1839; Chair. Prof. Dr. HOLGER HJELHOLT; Sec. Prof. Dr. POVL BAGGE and Prof. Dr. ASTRID FRIIS; publ. *Historisk Tidsskrift* (Historical Review, twice yearly).

Dansk Selskab for Oldtids- og Middelalderforskning (*Societas Danica Indagationis Antiqvitatis et Mediiaevi*): Nationalmuseet, Copenhagen; f. 1934; 50 mems.; Pres. P. J. RIIS; Sec. E. LADEWIG PETERSEN, Institute of History, University, Copenhagen; publ. *Classica et Mediaevaiia*, Vols. 1-22.

Det Kongelige Danske Geografiske Selskab (*The Royal Danish Geographical Society*): Haraldsgade 68-70, Copenhagen; f. 1876; 450 mems.; the library contains *c.* 50,000 vols.; Patron H.M. KING FREDERIK IX; Vice-Pres. Vice-Admiral Dr. A. H. VEDEL, Prof. Dr. NIELS NIELSEN; Sec. Prof. Dr. AXEL SCHOU; Treas. M. MÜLLERTZ, Barrister; Editor Prof. Dr. N. KINGO JACOBSEN; publs. *Geografisk Tidsskrift, Folia Geographica Danica, Kulturgeografiske Skrifter*, and *Atlas of Denmark*.

Det Kongelige Danske Selskab for Fædrelandets Historie (*The Royal Danish Society for National History*): H. C. Andersens Boulevard 35, Copenhagen; f. 1745; 25 mems.; 10 foreign correspondents; Pres. POVL BAGGE; Sec. SIGURD JENSEN; publ. *Danske Magazin* (1-8 series, 1745-1965).

Det Kongelige Nordiske Oldskriftselskab (*Royal Society of Northern Antiquaries*): Prinsens Palais, Copenhagen; f. 1825; approx. 900 mems.; Pres. H.M. KING FREDERIK IX; Vice-Pres. J. BRØNDSTED; Sec. T. RAMSKOU; Editors M. ØRSNES, J. HELGASON; publs. *Aarbøger for Nordisk Oldkyndighed og Historie, Nordiske Fortidsminder, New Edition of Old Icelandic Sagas*; library in the National Museum.

Samfundet for Dansk Genealogi og Personalhistorie (*The Danish Genealogical and Biographical Society*): Sdr. Fasanvej 46, Copenhagen Valby; f. 1879; Chair. ALBERT FABRITIUS, PH.D.; Sec. SVEN HOUMØLLER; publ. *Personal historisk Tidsskrift* (quarterly).

Selskabet for Dansk Kulturhistorie (*Society for the History of Danish Culture*): The National Museum, Copenhagen; f. 1936; 29 mems., 4 foreign correspondents; Pres. OTTO NORN; Sec. OLAF OLSEN; publ. *Kulturminder*.

Selskabet for Historie og Samfundokønomi (*Society of History and Economics*): Sct. Pederstraede 5, Copenhagen K; f. 1960; Chair. Prof. Dr. SVEN HENNINGSEN; Sec. HANS BOSERUP; publ. *Økonomi og Politik* (quarterly).

INTERNATIONAL CULTURAL INSTITUTES

British Council, The: Gunterberghus, Montergade 1, Copenhagen K; Rep. J. SUTHERLAND.

Det Danske Selskab (*Danish Institute for Information about Denmark and Cultural Co-operation with other Nations*): Kultorvet 2, Copenhagen K; establishes active contacts with other countries by providing information about Danish culture and social affairs. Activities include summer schools and study tours. Publications in foreign languages. The organisation has institutes in the United Kingdom (Edinburgh), Benelux (Brussels), France (Lyons), Italy (Milan), Switzerland (Zürich) and Western Germany (Dortmund).

Deutsches Kulturinstitut: Norre Voldgade 106, Copenhagen K; f. 1961; Dir. H. HÖNER.

Foreningen Norden (*Danish Association for Nordic Collaboration*): Malmøgade 3, Copenhagen Ø; f. 1919 for strengthening Nordic cultural, legal and economic collaboration; 63,000 individual members and also national organisations; Pres. O. HEDEGAARD; Man. Dir. OLE HARKJAER.

Institut Français: Rosenvængetsallé 34-38, Copenhagen Ø; Dir. J. RÉYIL.

Istituto Italiano di Cultura: Store Kongensgade 45-7, Copenhagen; Dir. Prof. GIOVANNI MAFERA.

U.S. Information Center: Dag Hammarskjölds Alle 24, Copenhagen.

LANGUAGE AND LITERATURE

Dansk Forfatterforening (*Danish Authors' Society*): Ved Stranden 20, Copenhagen K; f. 1894; Chair. HANS LYNGBY JEPSEN; publ. *Forfatteren* (eight yearly).

Det Danske Sprog-og Litteraturselskab (*Danish Language and Literature*): Frederiksholms Kanal 18A, Copenhagen; f. 1911; Administrator O. JENSEN.

Det Filologisk-Historiske Samfund (*Philological Society*); Banevej 11, Charlottenlund, nr. Copenhagen; f. 1854; 358 mems.; Pres. E. SPANG-HANSSEN, M.A.; publ. *Studier fra Sprog-og Oldtidsforskning*.

Det Islandske Litteratursamfund (*The Icelandic Literary Society*): Copenhagen; f. 1912; Sec. STEFÁN KARLSSON.

Samfund til Udgivelse af Gammel Nordisk Litteratur (*Society for the Publication of Old Nordic Literature*): Det Arnamagnaeanske Institut, Proviantgarden, Christians Brygge 8, Copenhagen; Sec. C. MATRAS.

MEDICINE

Den Almindelige Danske Lægeforening (*Danish Medical Association*): Kristianiagade 12, Copenhagen Ø; f. 1857; professional and educational activities; 7,160 mems.; Dirs. A. H. SCHLEISNER, B. SORENSEN; publs. *Ugeskrift for Læger, Bibliotek for Læger* (quarterly), *Danish Medical Bulletin* (English—bi-monthly).

Danmarks Farmaceutiske Selskab: c/o Danmarks farmaceutiske Højskole, 2 Universitetsparken, Copenhagen Ø; f. 1912; to encourage the scientific and practical development of Danish pharmacy; 650 mems.; Pres. V. GAUNØ JENSEN; publ. *Dansk Tidsskrift for Farmaci*.

Dansk Farmaceutforening (*Danish Pharmacists' Society*): Stormgade 20, Copenhagen; f. 1873; library of 16,000 vols.; 2,000 mems.; Pres. VERNER ANDERSEN; publ. *Farmaceutisk Tidende* (weekly).

Dansk Tandlægeforening (*Danish Dental Association*): Oslo Plads 14, Copenhagen Ø; f. 1873; 3,000 mems.; Sec.-Gen. Dr. V. STENNING; publ. *Tandlægebladet* (monthly).

Det Medicinske Selskab i København: Kristianiagade 12A, Copenhagen; f. 1772; 944 mems.; Pres. J. C. CHRISTOFFERSEN; Sec. P. BACKER.

NATURAL SCIENCES

Astronomisk Selskab (*Astronomical Society*): Observatoriet, Øster Voldgade 3, Copenhagen; f. 1916; Dir. M. RUDKJØBING.

Biologisk Selskab: c/o Universitetsparken 3, Copenhagen Ø; Dir. M. FABER; Sec. E. BILLE HANSEN.

Carlsbergfondet: H. C. Andersens Boulevard 35, Copenhagen V; f. 1876; Pres. Prof. STIG IUUL, DR. JUR.; three Departments:

Carlsberg Laboratoriet: Gl. Carlsbergvej 8-10, Copenhagen Valby; scientific work in chemistry and physiology; Dirs. Prof. M. OTTESEN, PH.D. (chemistry), Prof. H. HOLTER, PH.D. (physiology); publ. *Comptes rendus des travaux du laboratoire Carlsberg*.

General Department for promoting studies in Natural Science, Mathematics, Philosophy, History and Languages; this Department controls the **Carlsberg-fondets Biologiske Institut,** Tagensvej 16, Copenhagen N; Dir. Prof. E. ZEUTHEN, PH.D.

Det National historiske Museum på Frederiksborg Slot: Hillerød; Dir. JÖRGEN PAULSEN.

Publ. Annual Report in *Oversigt over det. kgl. danske Videnskabernes Selskabs forhandlinger.*

Danmarks Naturvidenskabelige Samfund (*Society of Natural Sciences of Denmark*): Ø. Voldgade 10, Copenhagen K.; f. 1911; 175 mems.; Pres. E. LUNDSGAARD; Vice-Pres. C. W. PROHASKA, N. E. HOLMBLAD; Sec. PAUL CARPENTIER.

Dansk Botanisk Forening (*Danish Botanical Society*): Gothersgade 130, Copenhagen K; f. 1840; 700 mems.; Pres. T. W. BÖCHER; Sec. M. S. CHRISTIANSEN; publs. *Botanisk Tidskrift* (Botanical Journal), *Dansk Botanisk Arkiv* (Danish Botanical Archives).

Dansk Geologisk Forening (*The Geological Society of Denmark*): Øster Voldgade 5-7, Copenhagen K; f. 1893; 506 mems.; Sec. S. B. JENSEN; publ. *Meddelelser fra Dansk Geologisk Forening.*

Dansk Naturhistorisk Forening (*Danish Natural History Society*): Universitetsparken 15, Copenhagen Ø; f. 1833; 900 mems.; Dir. SVEND ANDERSEN; publ. *Videnskabelige Meddelelser* (annual).

Dansk Ornithologisk Forening (*Danish Ornithological Society*): c/o Zoologisk Museum, Universitetsparken 15, Copenhagen; f. 1906; 2,700 mems.; Dir. Dr. F. SALOMONSEN; Sec. L. H. SØRENSEN; publs. *Tidsskrift, Feltornithologen* (quarterly).

Denmarks Naturfredningsforening (*Danish Society for Nature Preservation*): Sølvgade 26, Copenhagen K; f. 1911; library of 22,000 vols.; Pres. Prof. V. M. MIKKELSEN; Sec. H. SUNE EBBESEN; publ. *Dansk Naturfredning* (annual).

Entomologisk Forening (*Entomological Society*): Zoological Museum, Copenhagen; f. 1868; 330 mems.; Pres. S. L. TUXEN; Sec. H. GØNGET; publ. *Entomologiske Meddelelser* (irregularly. 1-3 numbers a year).

Kemisk Forening: Sølvgade 83, Copenhagen; f. 1879; Dir. B. JERSLEV.

Selskabet for Naturlærens Udbredelse (*The Society for Promotion of Natural Science*): Danmarks tekniske Højskole, Øster Voldgade 10, Copenhagen; f. 1824 by H. C. ØRSTED; Sec. H. RAHBEK; publ. *Fysisk Tidsskrift* (six annually).

PHILOSOPHY AND PSYCHOLOGY

Dansk Psykologforening (*Danish Psychologists' Association*): Købmagergade 54, Copenhagen K; f. 1947; Chair. FIN AGERSTED.

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

Det Danske Bibelselskab (*Danish Bible Society*): Købmagergade 67, Copenhagen; f. 1815; Chair. O. K. LARSEN.

Det Grølandske Selskab (*The Greenland Society*): Kraemer Hus, L. E. Bruuns Vej 10, Charlottenlund; f. 1906; 1,500 mems. with interest in Greenland and its people; Sec. H. E. LARSEN.

Kirkeligt Centrum (*Church Centre*): c/o Secretary, Kong Eriks Vej 10, Aalborg; f. 1899; 500 mems.; Chair. SVEND LERFELDT, D.D.; publ. *Kirkeligt Centrums Blad.*

Orientalsk Samfund (*Institute of Assyriology*): University of Copenhagen, 2 Kejsergade, Copenhagen K; f. 1915; to further study and understanding of Oriental cultures and civilisations; 68 mems.; Pres. Prof. K. BARR; Sec. Dr. JØRGEN LÆSSØE; publ. *Acta Orientalia.*

TECHNOLOGY

Akademiet for de Tekniske Videnskaber (*Academy of Technical Sciences*): *see under* Academies.

Byggecentrum (*The Building Centre*): Gyldenløvesgade 19, Copenhagen V; f. 1956; to promote the productivity of the building trade with a view to reducing building costs and introducing improved techniques; Managing Dir. OVE HOVE; publ. *Byggecentrum-orientering.*

Dansk Husflidsselskab (*Danish Society of Domestic Crafts*): "Sundgården", Skårup, Fyn., Copenhagen; f. 1873; promotes domestic crafts on an artistic and craftsmanship basis.

Dansk Ingeniørforening (*Danish Society of Engineers*): Ingeniørhuset, Vester Farimagsgade 31, Copenhagen V; f. 1892; to promote professional matters and advance scientific technical education and research; 9,071 mems.; Gen. Sec. BJØRN ANDERSEN; publs. *Ingeniøren* (twice monthly), *Ingeniørens Ugeblad* (weekly).

Elektroteknisk Forening (*Electro-Technical Society*): Rådhusstr. 6, Copenhagen K; f. 1903; Dir. P. E. NIELSEN.

Nordisk Byggedag (*Nordic Building Council*): c/o Boligmin., Nyropsgade 51, Copenhagen; Sec. KAI CHRISTENSEN.

RESEARCH INSTITUTES

Atomenergikommissionens Forsøgsanlæg Risø (*Danish Atomic Energy Commission Research Establishment Risø*): Risø, pr. Roskilde; research in nuclear reactor engineering, physics, chemistry, electronics, health physics, and agriculture; three reactors: DR 1, low energy reactor of homogeneous type (1957); DR 2, 5 MW light water moderated heterogeneous (1958); DR 3, 10 MW heavy water moderated high-flux reactor of the Pluto type (1959); Dir. Prof. TORKILD BJERGE; Deputy Dir. Dr. FLEMMING JUUL; publs. *Risø Reports.*

Danmarks Fiskeri- og Havundersøgelser: Charlottenlund Castle, Charlottenlund; f. 1952, when Dansk Biologisk Station (f. 1889) and Kommissionen for Havundersøgelser (f. 1902) were reorganised; undertakes research into the biological and practical aspects of fishing; Acting Dir. Dr. E. BERTELSEN; publs. *Meddelelser fra Danmarks Fiskeri- og Havundersøgelser, Ny Serie,* scientific series; *Skrifter fra Danmarks Fiskeri- og Havundersøgelser,* popular series in Danish.

Danmarks Geologiske Undersøgelse (*Geological Survey of Denmark*): Charlottenlund; f. 1888; library of 20,000 vols.; Dir. OLE BERTHELSEN, PH.D.; Senior Geologists SIGURD HANSEN, JOHS. IVERSEN, HELGE GRY, WERNER CHRISTENSEN; publ. *Danmarks Geologiske Undersøgelse, Series I-V.*

Danmarks Paedagogiske Institut (*Danish Institute for Educational Research*): Emdrupvej 101, Copenhagen NV; f. 1954; Dir. ERIK THOMSEN; Departments: 1 Educational Methodology (FINN RASBORG), 2 Educational Psychology (JESPER JENSEN), 3 Tests (BØRGE PRIEN), 4 Educational Experiments (JESPER FLORANDER), 5 Statistics (GUSTAV LEUNBACH), 6 Distribution of Test Materials (KAREN LYNGMAN).

Den Danske Komité for Historikernes Internationale Samarbejde (*Danish Committee for International Historical Research*): Kr. Zahrtmanns Plads 83, Copenhagen F.; f. 1926; 29 mems.; Chair. Prof. ASTRID FRIIS.

Danske Meteorologiske Institut: Gamlehavealle 22, Charlottenlund; f. 1872; weather forecast, geophysical, magnetic, climatological and nautical services; library contains 30,000 vols.; Dir. KARL O. ANDERSEN; publs. *Annuaire Météorologique* (Part 1 Denmark, Part 2 Greenland), *Annuaire Magnétique* (Part 1 Denmark, Part 2 Greenland), *Ugeberetning om nedber m.m.* (weekly), *Meddelelser, Communications Magnétiques*.

Finseninstitut: Strandboulevard 49, Copenhagen; f. 1896; cancer hospital and institute for research into the action of radiation on living organisms; Pres. J. H. ZEUTHEN.

Geodetic Institute: Copenhagen; Geodetical and geophysical research institute; responsible for geodetic surveying and mapping of Denmark, the Faroe Islands and Greenland, and for seismological research and surveying at four stations (Copenhagen, Godhavn, Station Nord, Scoresbysund); owns 3 survey vessels.

Kommissionen for Danmarks Fiskeri- og Havundersøgelser *The Commission for Danish Fishery and Marine Research*): Ministry of Fisheries, Borgergade 16, Copenhagen K; f. 1902; the Commission is in charge of fishery and oceanographic research work in the Danish home waters and the waters around the Faroe Islands and Greenland, as well as of similar research in the Danish fresh waters; the actual research work is carried out by the Danish Institute for Fisheries and Marine Research Charlottenlund Slot. Charlottenlund; Head of Department J. NØRGAARD; Sec. and Head of Section Mrs. G. SKIBSTED; publs. *Meddelelser fra Danmarks Fiskeri- og Havundersøgelser, Skrifter fra Danmarks Fiskeri- og Havundersøgelser* (irregular).

Landøkonomisk Forsøgslaboratorium (*National Research Laboratory on Animal Husbandry*): Rolighedsvej 25, Copenhagen V; f. 1882; the laboratory works under the auspices of a Danish governmental committee and conducts research in animal husbandry and connected subjects; Pres. JOHS. LARSEN; Sec.-Gen. HOLGER AERSØE; Dept. of Animal Physiology and Biochemistry (Head of Dept. P. E. JAKOBSEN); Dept. of Analytical Chemistry (Head of Dept. J. E. WINTHER); Dept. of Research in Cattle Breeding and Nutrition (Head of Dept. A. NEIMANN-SORENSEN; Dept. of Research in Pig Breeding and Nutrition (Head of Dept. Dr. HJ. CLAUSEN); Dept of Research in Poultry Breeding and Nutrition (Head of Dept. J. BÆLUM); Dept. of Animal Heredity (Head of Dept. Dr. J. NIELSEN); publs. *Beretning fra Forsogslaboratoriet* (reports about six times a year).

Nordisk Institut for Teoretisk Atomfysik (NORDITA) (*Nordic Institute for Theoretical Atomic Physics*): Blegdamsvej 17, Copenhagen Ø; f. 1957; member countries: Denmark, Finland, Iceland, Norway and Sweden; scientific research in theoretical atomic physics, promotion of co-operation in such research between the Nordic countries, training of younger physicists from the member countries; Chair. of Board TORSTEN GUSTAFSON; Dir. C. MØLLER.

Ole Rømer-Observatoriet, Aarhus Universitet: Aarhus C; f. 1911; photographic and photo-electric stellar photometry, meteors, theoretical astrophysics; 7,000 vols. in library; Dir. Dr. MOGENS RUDKJØBING; publ. *Meddelelser fra Ole Rømer-Observatoriet*.

Socialforskningsinstituttet (*Danish National Institute of Social Research*): Borgergade 28, Copenhagen K; f. 1958; independent, administrative body under Ministry of Social Affairs; undertakes, promotes and co-ordinates research on social conditions; library of 5,000 vols.; Director-in-Chief HENNING FRIIS; Research Directors BENTROLD ANDERSEN, ERLING JØRGENSEN, P.-H. KÜHL, JACOB VEDEL-PETERSEN.

Statens Seruminstitut: Amager Boulevard 80. Copenhagen; f. 1902; 107 scientists; the library contains 17,000 vols.; Dir. PREBEN VON MAGNUS; publ. *Communications de Statens Seruminstitut*.

Det Statistiske Departement: Frederiksholms Kanal 27, Copenhagen K; f. 1849; central institution for all Danish statistics; the library contains 50,000 vols. Dir. C. ULRICH MORTENSEN; publs. *Statistisk Årbog* (annually), *Statistiske Efterretninger* (about 85 numbers yearly), *Handelsstatistiske Meddelelser* (monthly), *Statistisk Tabelvaerk* and *Statistiske Meddelelser* (irregular and annual), *Statistiske Undersøgelse* (special items, irregular).

Universitetets Arktiske Station: Disko, Greenland; f. 1906 for study of Arctic nature, especially biology; laboratories and library; Governors: Prof. T. W. BØCHER, PH.D., Dr. M. KØIE, Prof. R. SPÄRCH, PH.D.; correspondence to: Bestyrelsen for Universitetets Arktiske Station, Frue Plads, Copenhagen K, Denmark.

Universitetets Astronomiske Observatorium (*Astronomical Observatory of Copenhagen University*): Øster Voldgade 3, Copenhagen K; f. 1642, reorganised 1861; the new University observatory, f. 1950, is located at Brorfelde, Tølløse; Dir. Prof. A. REIZ; publ. *Publikationer og mindre Meddelelser fra Københavns Observatorium*.

Zoologisk Have (*Zoological Gardens*): Roskildevej 32' Copenhagen; f. 1859; 803 species, 2,474 specimens; Dir. SVEND ANDERSEN.

LIBRARIES AND ARCHIVES

Århus Kommunes Biblioteker (*Århus Public Library*): Mølleparken, Aarhus; f. 1934; 320,000 vols.; Chief Librarian Å. BREDSTED; publ. *Beretning* (Annual Report).

Biblioteket for Silkeborg og Omegn (*Public Library*): Silkeborg; f. 1900; 76,000 vols., plus 33,000 in the Children's Dept.; Chief Librarian POVL SKOV.

Biblioteket for Vejle By og Amt (*County and Central Library for Vejle*): Flegborg 16, Vejle; f. 1895; 134,200 vols.; Chief Librarian EGON KNUDSEN.

Centralbiblioteket for Sydvestjylland: Esbjerg, Nørregade 25; f. 1897; public library for the city of Esbjerg; central library for the county of Ribe; 56,000 vols.; Chief Librarian INGRID VIG JENSEN; publ. *Tilvaekstkatalog* (annual).

Danmarks Farmaceutiske Højskoles Bibliotek: Universitetsparken 2, Copenhagen Ø; f. 1892; 17,100 vols. Librarian Prof. Dr. Phil. SVEND AAGE SCHOU.

Danmarks Tekniske Bibliotek (*Technical Library*): Øster Voldgade 10, Copenhagen K; f. 1942; the national technical library, devoted to applied science, except medicine and agriculture (for which see next entry); 180,000 vols., 3,700 current periodicals; Dir. VIBEKE AMMUNDSEN.

Frederiksberg Kommunebiblioteker (*Public Library*): Solbjergvej 21-25, Copenhagen; f. 1887; 233,300 vols.; 4 brs.; also a children's library (f. 1937), 196,307 vols.; Chief Librarian J. LEHM LAURSEN.

Gentofte Kommunebibliotek (*Public Library*): Øregaards Allé 7, Hellerup; f. 1918; *ca.* 215,000 vols.; 6 brs.; also a

children's library of *ca.* 80,000 vols.; Chief Librarian J. HELGER; publs. annual report, catalogue of annual accessions.

Handelshøjskolens Bibliotek (*Library of the Copenhagen School of Economics and Business Administration*): Julius Thomsenplads 10, Copenhagen V; 52,000 vols.; Librarian PER BOESEN.

Københavns Kommunes Biblioteker (*Copenhagen Municipal Libraries*): Kultorvet, Copenhagen; f. 1885; 800,000 vols.; Librarian FRODE JENSEN; publs. *Københavns Kommunes Biblioteker, 3-Arsberetning, Københavns Arskatalog* (since 1944).

Det Kgl. Garnisonsbibliotek: H. C. Andersens Boul. 20, Copenhagen V; f. 1785; 50,000 vols.; Librarian (vacant).

Københavns Stadsarkiv (*Copenhagen City Archives*): Rådhuset, Copenhagen V; first mentioned 1563; Dir. SIGURD JENSEN; Archivists KAI RASMUSSEN, ELSE M. K. JØRGENSEN, JEPPE RASMUSSEN; publ. *Historiske Meddelelser om København 1907* ff.

Kongelige Bibliotek, Det (*The Royal Library*); Christian Brygge 8, Copenhagen; f. between 1657 and 1664; contains about 1,300,000 printed volumes, besides collections of music, manuscripts, maps and pictures. Of the volumes, about 4,000 are incunabula dating from before 1500, and about 36,000 are manuscripts containing fine collections of Pali MSS. on palm leaves, a fine collection of Mongolian and Tibetan MSS., and a collection of old Nordic MSS. Included among the latter is the only existing MS. of the Elder Edda and the voluminous Flatoe Book, which contains the story of the Norse discovery of America 500 years before Columbus. The library is the largest in Scandinavia. Among the special collections is the *Bibliotheca Simonseniana* (Judaistic literature). Open to the public. Chief Librarian PALLE BIRKELUND.

Kongelige Veterinaer- og Landbohøjskoles Bibliotek, Den (*Royal Veterinary and Agricultural College Library*): Bülowsvej 13, Copenhagen V; f. 1783; 245,000 vols.; important veterinary and agricultural collection; Chief Librarian H. NIELSEN.

Kunstakademiets Bibliotek: Kgs. Nytorv 1, Copenhagen K; f. 1754; 47,000 vols. on art history, collections of architectural drawings, photographs, etc.; Dir. HENRIK BRAMSEN.

Landsarkivet for Fyen (*The Provincial Archives of Funen*), Odense; f. 1893; the archives include records of local administration of Funen and neighbouring islands and collections of private papers. The Karen Brahe Library, the only nearly complete private Danish library from the 17th century, with about 3,400 printed books and 1,153 MSS., is deposited in the Archives; Dir. C. LINDBERG NIELSEN, M.A.

Landsarkivet for Nørrejylland (*The Provincial Archives of Northern Jutland*): Viborg; f. 1889, opened 1891; the archives include records of local administration of Northern Jutland, collections of private papers and manuscripts; Dir. JENS HOLMGAARD, M.A.; Archivists HELLE LINDE, M.A., HENNING PAULSEN, M.A., KNUD PRANGE, M.A., POUL RASMUSSEN, PAUL G. ORBERG, M.A.

Marinens Bibliotek: Overgaden oven Vandet 62B, Copenhagen K; f. 1765; naval affairs and Greenland literature; 50,000 vols.; Librarian Capt. J. TEISEN.

Nordjyske Landsbibliotek, Det (*Central Library for the County of Aalborg*): Ved Vor Frue Kirke, Aalborg; f. 1895; 189,659 vols.; 6 brs.; also a children's library of 93,339 vols.; Chief Librarian OTTO ESBEN-PETERSEN; publs. *Beretning* (annual), *Katalog* (annual additions).

Odense Centralbibliotek (*Central Library, Odense*): Odense; f. 1924; 100,000 vols.; Chief Librarian POUL MUNCH; publs. *Tilvakst* (Additions), *Beretning* (Report) (both annually).

Rigsarkivet (*National Record Office*): Rigsdagsgården 9, Copenhagen K; f. 1582; consists of a Central Record Office in Copenhagen and four Provincial Record Offices (*Landsarkiver*), situated in Copenhagen, Odense, Viborg and Aabenraa. The Central Record Office contains all medieval documents (1200-1559), the archives of the Central Administration to the present day, and the papers of the Royal family and of famous statesmen; Dir. JOHAN HVIDTFELDT; publs. historical series.

Statens Bibliotekstilsyn (*State Inspection for Public Libraries*): Gammel Kongevej 60, Copenhagen V; f. 1920; controls and advises all the State-supported libraries; library of 3,500 vols. on bibliography and librarianship: Dir. ERIK ALLERSLEV JENSEN; publ. *Biblioteksårbogen* (The Library Year Book).

Statens Paedagogiske Studiesamling (*The State Library of Pedagogics and Child Psychology*): Frederiksberg Allé 22, Copenhagen; f. 1887; contains 135,000 vols.; open to the public; Dir. ROBERT HELLNER; publ. *Dansk Pædagogisk Tidsskrift.*

Statsbiblioteket i Aarhus (*State and University Library of Aarhus*): f. 1902; 700,000 vols., including special collections of books on foreign missions, music and books on Schleswig; Chief Librarian IB MAGNUSSEN.

Universitetsbiblioteket: Copenhagen; f. 1482; Division I at Fiolstraede 1—Classics and Reference Library; 500,000 vols., 30,000 vols. Danish newspapers; Chief Librarian H. TOPSØE-JENSEN; Division II at Nørre Alle 49—Scientific and Medical Library; 772,000 vols.; Chief Librarian J. PRYTZ JOHANSEN.

MUSEUMS

Aalborg Museum: Aalborg; 2 sections: Kunstmuseet, Det Historiske Museum.

Aarhus Museum: Vester Alle, Aarhus; f. 1858; 2 sections: Kunstmuseet, Det Historiske Museum; Dir. Dr. MINNA HEIMBÜRGER.

Botanisk Have (*Botanical Gardens*): 130 Gothersgade and Sølvgade, Copenhagen.

Danmarks Tekniske Museum (*Danish Museum of Science and Industry*): Ole Roemers Vej, Elsinore; f. 1911; more than 7,000 items, particularly relating to Danish inventions; library of 18,000 vols; Dir. K. O. B. JOERGENSEN; publ. *Arbog* (Yearbook).

Handels- og Söfartsmuseet (*Danish Maritime Museum*): Kronborg Castle, Elsinore; f. 1914; items relate to Danish maritime history; Dir. KNUD KLEM, M.A.; publs. Yearbooks, Guides.

Jagt-og Skovbrugsmuseet (*Museum of Hunting and Forestry*): Hørsholm; f. 1942; collections illustrating Danish hunting and forestry through all ages; Curator Dr. KNUD PALUDAN.

Københavns Bymuseum (*Copenhagen City Museum*): Vesterbrogade 59; history of Copenhagen including pictures, architecture, models. Also houses the collection of Kierkegaard relics; Curator S. LINVALD.

Kronborg: Elsinore; fortified royal castle dating from the end of the 16th century; contains the Royal Apartments (furniture, tapestry, etc.), banqueting hall, chapel.

Kunstindustrimuseet (*The Danish Museum of Decorative Art*): Bredgade 68, Copenhagen; was founded in 1894, and contains collections of European and Eastern applied art from the Middle Ages to modern times, and a library of 45,000 vols. on applied art; Pres. J. TROLLE; Dir. ERIK ZAHLE.

Landbrugsmuseet (*The Agricultural Museum*): Sorgenfri, Kongens Lyngby; f. 1890; Pres. C. TH. HOLBØLL; Sec. H. WULFF; Curator N. G. HEINE, M.A.

Louisiana: Humlebæk; f. 1958; neo-classic villa and estate transformed into a modern museum of art. Louisiana aims to show how the arts complement each other: painting, sculpture, architecture, landscape gardening and music are all represented. Founder and Dir. KNUD W. JENSEN.

Mineralogisk Museum: 7 Østervoldgade, Copenhagen; fossils, meteorites, minerals; geology of Denmark and Greenland.

Museet for Danmarks Frihedskamp 1940-1945 (*The Museum of the Danish Resistance Movement 1940-1945*): Esplanaden, Copenhagen; f. 1957; objects, photographs and other materials from the period of the German occupation during World War II; Dir. Dr. AAGE ROUSSELL.

Musikhistorisk Museum: Abenra 32-34, Copenhagen K; f. 1898; collection of musical instruments; concerts, library, archives; Dir. Dr. HENRIK GLAHN.

Det Nationalhistoriske Museum paa Frederiksborg (*The Museum of National History at Frederiksborg Castle*): Frederiksborg, Hillerød; the castle was built in 1600–1620 by King Christian IV and was endowed as an historical museum in 1878. It contains a chronological collection of original portraits and paintings illustrating the history of Denmark, all arranged in rooms, the furniture and appointments of which are in keeping with the period of the paintings. Exhibits number about 13,000; library containing 7,000 vols.; Pres. G. BARDENFLETH, Chamberlain; Dir. JØRGEN PAULSEN; Curators H. D. SCHEPELERN, POVL ELLER; publs. various catalogues and illustrated guides.

Nationalmuseet (*The National Museum*): Prinsens Palæ, Frederiksholms Kanal 12, Copenhagen; f. 1807 on basis of the older Royal Collections; consists of 8 divisions; Dir. Prof. Dr. P. V. GLOB; Keepers: Danish Prehistoric Collection H. NORLING-CHRISTENSEN; Danish Historical Collection Dr. AAGE ROUSSELL; Danish Folk Museum H. RASMUSSEN; Ethnographic Collection Dr. HELGE LARSEN; Collection of Classical Antiquities Dr. M. L. BUHL; Royal Collection of Coins and Medals O. R. MØRKHOLM; Open-air Museum at Sorgenfri P. MICHELSEN; Department of Natural Science Dr. J. TROELS-SMITH. Publs. *Nationalmuseets Arbejdsmark* (year book), *Nationalmuseets Skrifter* (in 3 series), *Nyt og Noter* (6 a year), catalogues.

Naturhistorisk Museum (*Natural History Museum*): Universitetsparken, Aarhus; f. 1921; permanent field laboratory, "Molslaboratoriet", Femmöller; the museum laboratories are open to scientists, and specialise in terrestrial ecology; the library contains 15,000 vols.; Pres. V. NEDERGAARD JØRGENSEN; Dir. H. M. THAMDRUP, PH.D.; publs. *Natura Jutlandica*, Collected Papers, *Natur og Museum* (popular scientific quarterly).

Ny Carlsberg Glyptothek: Dantes Plads, Copenhagen V; was founded in 1888. It contains original and notable works of art representative of various countries and periods. A modern division is devoted to Danish and French sculpture and painting, an ancient division to a collection of Egyptian, Greek, Roman and Etruscan art, composed mainly of sculpture; Pres. JØRGEN STHYR; Dir. Dr. VAGN POULSEN; Curators HAAVARD ROSTRUP (Danish and French art), OTTO KOEFOED-PETERSEN (Egyptian art), MOGENS GJØDESEN, FLEMMING JOHANSEN (Greco-Roman art).

Orlogsmuseet (*The Royal Naval Museum*): St. Nicolai Church, Copenhagen; ship-models, weapons, illustrations and other souvenirs of the history of the Danish navy; Dir. F. VON MUNTHE AF MORGENSTIERNE.

Rosenborg Slot (*Rosenborg Castle*): Østervoldgade 4A, Copenhagen; contains "The Chronological Collection of the Danish Kings"; the collection was founded by Frederik III about 1660, and consists of arms, apparel, jewellery, and furniture from 1470-1906; the Crown Jewels are also here; Dir. Chamberlain G. BARDENFLETH, Curator G. BOESEN.

Rudolph Tegners Museum og Statuepark: Villingerød Pr. Dronningmøll; f. 1938; Dir. ELNA TEGNER.

Statens Museum for Kunst (*The Royal Museum of Fine Arts*): Sølvgade, Copenhagen; contains a collection of Danish paintings and sculpture; a number of works of 19th- and 20th-century Norwegian and Swedish artists; a collection of modern French art; about 600 paintings by old masters of the Italian, Flemish, Dutch and German Schools. The last-mentioned section is chiefly composed of paintings from the old royal collection, which was organised as an art gallery in the 1760's. The prints department includes about 150,000 Danish and foreign prints and drawings. Library of about 30,000 vols. The museum was transferred to its own building in 1896. Dir. JØRN RUBOW; Curators (Painting and Sculpture): L. R. BØYESEN, M.A., H. OLSEN, M.A., PH.D., B. SKOVGAARD, M.A., O. KOESTER, M.A.; (Prints and Drawings): H. WESTERGAARD, M.A., H. FINSEN, M.A., J. GARFF, M.A.; publs. *Kunstmuseets Aarsskrift* (annual) and catalogues.

Teatermuseet: Christiansborg Palace, 10 Ridebanen, Copenhagen K; f. 1912; illustrates the development of the Danish theatre from the Middle Ages to the present day; library of 10,000 vols., MSS.; Dir. ROBERT NEIIENDAM.

Thorvaldsens Museum: Slotsholmen, Copenhagen K; contains sculpture and drawings by the Danish sculptor Bertel Thorvaldsen (1770–1844), his collections of contemporary European paintings, drawings and prints, classical antiquities and his library. The Museum was built 1839-48; Dir. DYVEKE HELSTED, M.A.; Curator LISBET BALSLEV, M.A.; publs. catalogues in Danish, English, French and German, and *Meddelelser fra Thorvaldsens Museum* (published every 2nd or 3rd year).

Tøjhusmuseet (*Royal Danish Arsenal Museum*): Frederiksholms Kanal 29 (Administration), and Tøjhusgade 3 (main entrance), Copenhagen; f. 1838; central State museum for arms and armour in Denmark; the museum covers the history of arms, both military and private, in Europe, from the introduction of gunpowder till the present time, and also the history and development of all kinds of international military materials; Dir. J. PAULSEN; Curators ARNE HOFF, PH.D. (Small Arms), FINN ASKGAARD, M.A. (Swords, Armour and Library), EGON ERIKSEN, M.A. (Ordnance and Aeroplanes), (Vacant) (Uniforms, Decorations and Colours).

Zoologisk Museum (*The University Zoological Museum*): Universitetsparken, Copenhagen; f. 1770; collection includes whales and Arctic animals, Danish and South American fossils and marine animals from all seas; Dir. H. VOLSØE; publs. *The Danish Ingolf Expedition, Spolia Zoologica Musei Hauniensis, Atlantide Report, Galathea Report.*

UNIVERSITIES AND TECHNICAL UNIVERSITY

AARHUS UNIVERSITET

ÅRHUS

Telephone: 34311.

Founded 1928.

Rector: Prof. Dr. E. HAMMERSHAIMB.
Pro-Rector: Prof. Dr. S. SØRENSEN.
Secretary: POUL JØRGENSEN.

Number of professors: 76.

Number of students: 3,720 men, 1,360 women, total ,5080.

Publication: *Acta Jutlandica* (yearly).

DEANS:

Faculty of Arts: K. JEPPESEN.
Faculty of Medicine: A. STENDERUP.
Faculty of Law and Economics: R. BECH.
Faculty of Divinity: B. OTZEN.
Faculty of Natural Sciences: S. BRODERSEN.

PROFESSORS:

ALBECK, G., Danish Literature
BACH, H., Germanic Philology
BLATT, F., Classical Languages
BØGGILD-ANDERSEN, C. O., History
DAHL, T., English Philology
HAMMERSHAIMB, E., Semitic Philology
HANNESTAD, K., Medieval History
HARTNACK, J., Philosophy
HJORT, GRETHE, English Literature
HOLT, J., Comparative Linguistics
JENSEN, J. S., Romance Philology
JOHANSEN, H. F., Classical Languages
KRÜGER, P., Comparative Literature
LINDT-JENSEN, O., Prehistoric Philology
LUNDING, E., Germanic Philology
NØRREGAARD, G., History, Archæology
NYKROG, P., Romance Philology
RASMUSSEN, E., Political Science
SASS, ELSE KAI, History of Art
SCHMIDT, K. R., Russian Language and Literature
SHGER, H., History of Religion
SKAUTRUP, P., Nordic Philology
SVANE, G., Slav Languages and Literature
THOMSEN, R., Ancient History
WESTERGÅRD-NIELSON, CHR., Western Nordic Language and Literature

Faculty of Medicine:
ÅLKJÆR, V., Surgery
ANDERSEN, BENT, Pediatrics
ANDERSEN, H. C., Otolaryngology
BLIXENKRONE-MØLLER, N., Surgery
BONDE, O. J., Hygiene
EINARSON, L., Anatomy
FREUNDT, E., Comparative Pathology
HOLM-JENSEN, IB., Pharmacology
INGERSLEV, M., Gynæcology
JENSEN, V., Opthalmology
KAAE, S., Radiology
KEIDING, R., Clinical Chemistry
LOMHOLT, E., Dermatology and Venereal Diseases
LUNDBAEK, K., Internal Medicine
MALMROS, R., Neurosurgery
MUNCH-PETERSEN, C. J., Neurology
NØRBY, G., Epidemiology
OLSEN, S., Pathological Anatomy
PETERSEN, V. P., Internal Medicine
SCHØNHEYDER, F., Biochemistry
SKOU, J. C., Physiology
STENDERUP, A.. Bacteriology
STRÖMGREN, E., Psychiatry
SØNDERGAARD, T., Surgery
THOMASEN, E., Orthopedy

Faculty of Law and Economics:
BECH, R., Jurisprudence
DICH, J., Public Finance and Political Science
FREDENS, S., Economic Planning
GAD, H., Social Science
GELTING, J., National Economy
ILLUM, K., Jurisprudence
JØRGENSEN, S., Jurisprudence
LUND, T., Jurisprudence
MADSEN, V., Economic Planning
MEYER, P., Political Science
NØRGAARD, C. A., Jurisprudence
PETERSEN, ORLA STRANGE, Statistics
SØRENSEN, M., Jurisprudence
VIBE-PEDERSEN, J., National Economy

Faculty of Divinity:
BALLING, J. L., Church History
LINDHARDT, P. G., Church History
LØGSTRUP, K. E., Ethics and Philosophy of Religion
OTZEN, B., Old Testament Exegesis
PRENTER, R., Dogmatics
SLØK, J., Theology

Faculty of Natural Sciences:
BERTHELSEN, A. S., Geology
BRODERSEN, S., Chemistry
BUNDGAARD, S., Mathematics
HUMLUM, J., Geography
KRISTENSEN, L., Mathematics
KRISTENSEN, P. V., Physics
LARSEN, K., Botany
LINDHARD, J., Physics
LUND, H., Chemistry
MUUS, L. T., Chemistry
NIELSEN, K. O., Physics
POULSEN, E. T., Mathematics
RASMUSSEN, S. E., Chemistry
RUDKJØBING, M., Astronomy
SAXON, S., Geology
SPJELDNAES, N., Geology
THAMDRUP, H. M., Zoology
WANDEL, C. F., Physics

School of Journalism: f. 1946; Rector E. RESKE-NIELSEN.

KØBENHAVNS UNIVERSITET

FRUE PLADS, COPENHAGEN K.

Telephone: Copenhagen CE. 10828.

Founded 1479.

Rector: Prof. Dr. C. IVERSEN.
Curator: E. A. KOCH.
Secretary and Registrar: O. WAAGE.

Number of professors: 172.

Number of students (1964–65): 16,000.

DEANS:

Faculty of Theology: C. T. CHRISTENSEN.
Faculty of Law: P. N. RASMÜSSEN.
Faculty of Medicine: H. GORMSEN.
Faculty of Philosophy: S. HENNINGSEN.
Faculty of Mathematics and Natural Science: W. FENCHEL.

PROFESSORS:

Faculty of Theology:
ANDERSEN, N. K., Danish Church History
CHRISTENSEN, T., Church and Dogmatic History
DIDERICHSEN, B., New Testament
GRANE, L., Church History
HOLM, S., Systematic Theology
HOLM-NIELSEN, S., Old Testament Exegesis
LINTON, O., New Testament Exegesis
NIELSEN, E., Old Testament Exegesis
NOACK, B., New Testament Exegesis
SKYDSGAARD, K. E., Dogmatics and New Testament Exegesis
SØE, N. H., Systematic Theology

Faculty of Law:
ANDERSEN, E., Law
CHRISTENSEN, B., Law
EYBEN, W. E. VON, Law
FOIGHEL, I., Law
GOMARD, B., Law
IVERSEN, C., Economics
JUUL, S., Law
KRUSE, A. V., Law
NIELSEN, T. Law
PEDERSEN, H. W., Economics
PHILIP, A., Law
PHILIP, K., Political Science
RASCH, G., Statistics
RASMUSSEN, P. N., Economics
RASTING, C., Law
ROSS, A., Law
SVALASTOGA, K., Sociology
WAABEN, K., Law

Faculty of Medicine:
ANDERSEN, O., Children's Diseases
ANDREASEN, E., Anatomy
ANDREASSEN, M., Surgery
ASBOE-HANSEN, G., Skin and Venereal Diseases
ASTRUP, P., Clinical Chemistry and Laboratory Technique
BERTELSEN, A., Orthopedy
BØJE, O., Physiotherapy
BONNEVIE, P., Hygiene
BRØCHNER-MORTENSEN, K., Internal Medicine
BUCHTHAL, F., Neurophysiology
EHLERS, H., Ophthalmology
FABER MOGENS, Medical Radiobiology
FOG, M., Neurology
GORMSEN, H., Forensic Medicine
HANSEN, A. T., Internal Medicine
HUSFELDT, E., Surgery
KLEENOW, H., Biochemistry
KRISTENSEN, H. K., Oto-Rhino-Laryngology
KRUHØFFER, P. W., Physiology
LANDBOE-CHRISTENSEN, E., Anatomy
LASSEN, H. C. A., Contagious Diseases
LUNDQUIST, F., Biological Chemistry
LUNDSGAARD, E., Physiology
LUNN, V., Psychiatry
MOE, H., Anatomy
MOHR, J., Genetics
MØLLER, K. O., Pharmacology
MØLLER-CHRISTENSEN, W., History of Medicine
PLUM, P., Children's Diseases
RIISHEDE, J., Neuro-Surgery
SECHER, O. W., Anæsthesiology
STEN-KNUDSEN, O., Biophysics
TEILUM, G., Pathological Anatomy
THAYSEN, J. H., Internal Medicine
THERKELSEN, FR., Surgery
THOMSEN, G., Radiology
TROLLE, D., Midwifery and Gynæcology
VOLKERT, M., Pathology

Faculty of Philosophy:
ANDERSEN, P., Danish Dialectology
ARNHOLTZ, A., Metrics and Recitation
BAGGE, P., History
BARR, K., Iranian Philology
BECH, G., German Language
BECKER, C. J., Prehistoric Archæology
BENDZ, C. G. M., Classical Philology

BJERRUM, A., Danish Language
BLEGVAD, M., Philosophy
CHRISTENSEN, A. E., History
CHRISTENSEN, J., Classical Philology
EGEROD, S. C., East Asian Languages
ELLEHOJ, S., History
ELLING, C., Art History
FROM, F., Psychology
GLAMANN, K., History
GOLDSCHMIDT, V., Cultural Sciences
GRUE-SØRENSEN, K., Pedagogics
HALD, K., Scandinavian Languages
HELGASON, J., Icelandic Language and Literature
HENDRIKSEN, H., Indian and Eastern Philology
HENNINGSEN, S., Modern History
HOLTVED, E., Eskimo Language and Culture
HØYBYE, P., Romance Languages and Literature
JACOBSEN, E., English Language and Literature
JANSEN, F. J. B., Danish Literature
JENSEN, P. J., Classical Philology
JUNGBLUTH, G., German Philology
JØRGENSEN, P., German Language
KRISTENSEN, S. M., Nordic Literature
LARSEN, J. P., Music
LÆSSØE, J., Assyriology
LØKKEGAARD, F., Oriental Philology
LUKMAN, N., Scandinavian and Germanic Legendary History
MATRAS, CHR., Faroe Language and Literature
RASMUSSEN, E. T., Psychology
RIIS, P. J., Archæology
RUBOW, P. V., General Literature
SCHIBSBYE, K., English Language and Literature
SCHIØRRING, N., Music
SCHULTZER, B., Philosophy
STEENSBERG, A., Folk Culture with material aspects
STEFFENSEN, S., German Philology
STEN, H., Romance Language and Literature
STIEF, C., Slavonic Languages
SØRENSEN, H., Romance Lnaguages and Literature
SØRENSEN, H. CHR., Slavonic Philology
SØRENSEN, H. S., English Language and Literature
TOGEBY, K., Romance Languages and Literatures
WITT-HANSEN, J., Philosophy
ØSTERGAARD, ANNA E., Clinical Psychology

Faculty of Mathematics and Natural Science:

ANDERSEN, E., Geodesy
ASMUSSEN, E., Theory of Gymnastics
BAK, B., Molecular Spectroscopy
BAK, T. A., Chemistry
BALLHAUSEN, C. J., Chemistry
BANG, T., Mathematics
BERG, K., Freshwater Biology
BJERRUM, J., Chemistry
BÖCHER, T. W., Botany
BØGGILD, J. K., Physics
BOHR, A., Physics
DANSGAARD, W., Mass Spectrometry
ELIASEN, E., Meteorology
FENCHEL, W., Mathematics
FUGLEDE, B., Mathematics
HALD, A., Statistics
HUUS, T., Physics
JACOBSEN, N. K., Geography
JENSEN, HENRY, Geophysics
JENSEN, HØJGAARD H., Physics
JENSEN, K. A., Chemistry
JERLOV, N., Oceanography
JESSEN, B., Mathematics
KOCH, J., Physics
LANGE, M., Botany
LASSEN, N. O., Physics
MAALØE, O., Microbiology
MØLLER, C., Mathematical Physics
MÜLLER, D., Plant Physiology
NICOLAISEN, A. J., Ethnography
NIELSEN, C. O., Zoology
NIELSEN, M., Theory of Gymnastics
NOE-NYGAARD, A., Mineralogy
PIHL, M., Physics
POULSEN, C., Prehistoric Geology and Palæontology
REIZ, A., Astronomy
ROSENKRANTZ, A., Geology
SCHOU, A., Geography
SCHMIDT, O. H., History of Exact Sciences
SIMONSEN, W., Actuarial Science
SØRENSEN, H., Geology
SØRENSEN, T., Botany
THORSON, G., Marine Biology
TORNEHAVE, H., Mathematics
USSING, H. H., Biochemistry
WEIS-FOGH, T., Zoophysiology
WETTSTEIN, D. VON, Genetics
WINGSTRAND, K. G., Anatomy and Morphology
WINTHER, A., Theoretical Physics

DANMARKS TEKNISKE HØJSKOLE
(Technical University of Denmark)

ØSTERVOLDGADE 10,
COPENHAGEN K

Telephone: Minerva 6950.

Founded 1829.

President: Prof. Dr. E. KNUTH-WINTERFELDT.
Vice-President: Prof. L. A. HYLDGAARD-JENSEN.
Secretary: P. CARPENTIER.

Number of professors: 68.
Number of students: men 2,343, women 91, total 2,434.

DEANS:

Faculty of Common Sciences: Prof. Dr. T. CARLSON.
Faculty of Civil Structural Engineering: Prof. Dr. P. H. BENDTSEN.
Faculty of Electrotechnics: Prof. Dr. L. KNUDSEN.
Faculty of Chemical Science: P. SØLTOFT.
Faculty of Mechanical Science: Prof. O. HOFF.

PROFESSORS:

ANDERSON, S. A., Machinery
ANDREASEN, A. H. M., Technical Chemistry
ASMUSSEN, R. W., Chemistry
BALSLEV, N., General Electrotechnics
BENDTSEN, P. H., Road and Railway Engineering
BISGAARD, N. F., Heating and Ventilating
BJERGE, T., Physics
BJÖRKMAN, A. E. G., Technical Chemistry
BRØNDUM-NIELSEN, T., Structural Engineering
BRUUN, G., Electronics
BUCH, K. R., Mathematics
CARLSEN, T., Physics
DAM, C. P. H., Biochemistry and Nutrition
ENGELUND, F., Hydraulics
FABRICIUS-BJERRE, F., Mathematics
FOELNER, E., Mathematics
FRANK, V., Physics
FREDERIKSEN, E., Machinery
FUGLEDE, B., Mathematics
GUDNASON, C. H., Machine Technics
HANNEMANN, J. G., Structural and Bridge Engineering
HANSEN, J. B., Geotechnics and Foundations
HARVALD, S. A., Shipbuilding
HOFF, O., Casting, Forging and Welding
HOFMAN-BANG, N., Inorganic Chemistry
HYLDGAARD-JENSEN, L., Electrical Machinery
INGERSLEV, F. H. B., Telecommunications
JENSEN, A., Mathematics
JENSEN, J. R., Servomechanisms
JENSEN, K. E., Technical Hygiene
JENSEN, P. G., Impulses
JEPPESEN, V. A., Machine Technics
JESPERSEN, A., Constructions
JOHANSEN, K. W., Theory of Statics, Structural and Bridge Engineering
JØRGENSEN, H., Technical Bio-chemistry
JØRGENSEN, V. TH., Mathematics
KJÆR, V. A., Mechanical Engineering
KLENUM, Å., Surveying
KNUDSEN, H. L., Electro-magnetic Theory
KNUTH-WINTERFELDT, E., Metallurgy
KOEFOED, J., Chemistry
KOFOED-HANSEN, O. M., Physics
LAURITZEN, S., Mathematics
LUNDGREN, H., Harbour Building and Foundations
MELDAHL, A., Mechanical Engineering
MEYER, N., Physics
NIELSEN, A., Physics
NIELSEN, H. P., Industrial Electronics
NIORDSON, F., Machinery
OLSEN, K. V., Designing Tools and Machine Tools
PAULY, H. J., Crystallography and Mineralogy
PROHASKA, C. W., Shipbuilding
RASMUSSEN, R. E. H., Physics
RAVN, H. H., Road and Railway Engineering
REFSLUND, K., Fluid Mechanics
RYBNER, J., Power Current
SÆRMARK, K., Physics
SORGENFREI, T., Technical Geology
SØLTOFT, P., Technical Chemistry
TRUMPY, G., Physics
VEIBEL, S., Organic Chemistry
VØRTS, S. A., Electrical Power Plants and Transmission

DANMARKS INGENIØRAKADEMI
(Engineering Academy of Denmark)

ØSTER VOLDGADE 10,
COPENHAGEN K

Founded 1957.

Affiliated to the Danmarks Tekniske Højskole.
Rector: Prof. Dr. E. KNUTH-WINTERFELDT.
Engineer-Docent: L. A. HANSEN.

COLLEGES

Handelshøjskolen i Århus (*The Århus Graduate School of Economics, Business Administration and Languages*): Fuglesangs Allé 4, Århus V; f. 1939.

Rector: Prof. S. GAMMELGÅRD.
Secretary: CHR. LORENZEN.

Number of teachers: 29.
Number of students: 938.

Handelshøjskolen i København (*The Copenhagen School of Economics and Business Administration*): Julius Thomsensplads 10, Copenhagen V; f. 1917.

Rector: Prof. J. KOBBERNAGEL.
Secretary: H. ALMDAL.

Library: *see under* Libraries.
Number of teachers: 163 including 16 professors.
Number of students: 3,300.
Publications: *Handelshøjskolens Skriftrække* (series of publications).

PROFESSORS:

ÅGESEN, A.
ALKJÆR, E.
ANDERSEN, P. N.,
FOG, B.
GOLDSCHMIDT, V.
HANSEN, P.
JENSEN, E. L.
KJÆR-HANSEN, M.
KOBBERNAGEL, J.
KRISTENSEN, T.
LANDO, O.
LANDO, Z. D.
MILHOJ, P.
RASMUSSEN, A.
SØRENSEN, C. E.
STANGERUP, H.
WINDING, P.

Københavns Tandlaegehøjskole (*Royal Dental College*): Universitetsparken 4, Copenhagen Ø; f. 1888.

Dean: Prof. Dr. P. O. PEDERSEN, D.D.S., DR.ODONT., F.D.S., R.C.S., DR.DENT.SC.
Administrator: M. SCHULTZER-NIELSEN.

Number of teachers: 145, including 13 professors.
Number of students: men 432, women 365, total 797.

PROFESSORS:

BJÖRK, A., D.D.S., DR.ODONT.
BRILL, N., D.D.S., DR.ODONT.
FRANDSEN, A., D.D.S., DR.ODONT.
HOFF-JØRGENSEN, E., DR.PHIL.
HOLST, J. J., D.D.S., DR.ODONT.
HUSTED, E., DR.MED.
JACOBSEN, H. H., M.D.
JØRGENSEN, K. D., D.D.S., M.S., DR.ODONT.
KISLING, E., D.D.S., DR.ODONT.
KROGH-POULSEN, W., D.D.S., DR.ODONT.
PEDERSEN, P. O., D.D.S., DR.ODONT., F.D.S., R.C.S., DR.DENT.SC.
PINDBORG, J. J., D.D.S., DR.ODONT.
ZELANDER, T., M.D.

Århus Tandlaegehøjskole (*Royal Dental College, Århus*): Vennelyst Boulevard, Århus C; f. 1958.

Dean: Prof. Dr. P. A. KNUDSEN, DR.MED., L.D.S.
Adminisirator: Dr. Jur. K. STORM.

Number of teachers: 69, including 7 professors.
Number of students: men 215, women 161, total 376.

PROFESSORS:

ANDERSEN, P., MAG.SCIENT.
DARLING, S., DR.PHIL.
GLAHN, M., DR.MED.
HARVOLD, E., DR.PHILOS.
KNUDSEN, P.A., L.D.S., DR.MED.
LÖE, H., DR.ODONT.
NIELSEN, K., DR.MED.

Danmarks Farmaceutiske Højskole (*The Royal Danish School of Pharmacy*): Universitetsparken 2, Copenhagen Ø; f. 1892.

Rector: Prof. S. A. SCHOU, PH.D.
Treasurer: G. B. JENSEN.
Secretary: H. FEILBERG.

Number of teachers: 56, including 8 professors.
Number of students: 710 (men and women).

PROFESSORS:

ANDERSEN, V. S., PH.D., Chemistry
JACOBSEN, E., M.D., Pharmacology
KOFOD, H., PH.D., Chemistry
LUND, B. J., PH.D., Chemistry
NIELSEN, H. E. S., PH.D., Botany
SCHOU, S. A., PH.D., Pharmacy
THORSEN, V., PH.D., Physics
WELLENDORF, M., Pharmacognosy

Den kongelige Veterinær- og Landbohøjskole (*The Royal Veterinary and Agricultural College*): Bulowsvej 13, Copenhagen V; f. 1856.

Rector: Prof. A. MILTHERS.
Secretary of the Board of Faculties: Prof. N. J. DAHL.
Administrator: A. PALUDAN.
Head of the College Arboretum in Hørsholm: Dr. A. C. S. LARSEN.

Number of teachers: 192, including 44 professors.
Number of students: 1,096 men, 84 women, total 1,180.
Publications: *Year-Book of the Royal Veterinary and Agricultural College.*

DEANS:

Faculty of Veterinary Science: Prof. Dr. Med. Vet. A. THORDAL-CHRISTENSEN.
Faculty of Agricultural Science: Prof. SV. DALBRO.
Faculty of Basic Sciences: Prof. D. A. T. JENSEN, DR.PH.

PROFESSORS:

ANDERSEN, S., Agricultural Plant Culture
ASLYNG, Dr. H. C., Agricultural Hydrotechnology
BENDIXEN, H. CHR., Special Pathology and Therapeutics
BOYE, G., Horticulture
BUCHWALD, N. F., Plant Pathology
CLAUSEN, Dr. HJ., Animal Husbandry
DAHL, N. J., Agricultural Civil Engineering
DALBRO, S., Horticulture
DALGAARD-MIKKELSEN, SV., DR.MED.VET., Pharmacology
DRENCK, K., PH.D., Physics
ESPERSEN, G. J., Veterinary Surgery
FOG, D., PH.D., Mathematics
GABRIELSEN, E. K., PH.D., Plant Physiology
HENRIKSEN, H. A., DR.AGRIC., Forestry
HERMANSEN, N. K., Forestry
JAKOBSEN, P. E., Animal Physiology
JENSEN, A. T., PH.D., Chemistry
JENSEN, H. M., Dairy Science
JENSEN, S. T., Agricultural Chemistry and Soil Science
JEPSEN, A., Veterinary Hygiene and Bacteriology
JØRGENSEN, C. A., PH.D., Genetics
KJAER, A., PH.D., Chemistry
KLOUGART, A., Horticulture
LINDBERG, N., DR.POLIT., Political Economy
MIKKELSEN, V., M., PH.D., Botany
MILTHERS, A., Agricultural Geography, Marketing, History and Policy
MOLTESEN, P., Forestry
MOUSTGAARD, J., DR.MED.VET., Endocrinology and Sexual Physiology
NEIMANN, S. A., DR.MED.VET., Animal Husbandry
PETERSEN, E. J., Microbiology
RASBECH, N. O., Gynæcology and Obstetrics
SCHACHT, H. R., Farm Machinery
SJOLTE, J. P., Pathological Anatomy
SKOVGAARD, KR., Agricultural Economics
SODE-MOGENSEN, M., Dairy Chemistry and Bacteriology
STEENBJERG, F., DR.AGRIC., Soil Fertility and Plant Nutrition
SØRENSEN, ED., Anatomy
SØRENSEN, P. H., Animal Husbandry
THOMSEN, M., PH.D., Zoology
THORDAL-CHRISTENSEN, A., DR.MED.VET., Veterinary Medicine
THORKIL-JENSEN, N., Surveying
TOLSTRUP, FL., Agricultural Law
VENGE, O., Animal Genetics and Animal Breeding

Danmarks Biblioteksskole (*The Royal School of Librarianship, Copenhagen*): 10 Lindevangs Allé, Copenhagen F; f. 1956; number of teachers 35, including 8 instructors; number of students 280; library of 3,500 vols.

Rector: P. KIRKEGAARD.

Danmarks Laererhøjskole (*National Graduate School of Education*): Emdrupborg, Emdrupvej 101, Copenhagen NV; f. 1856; teaching staff 75, students 900.

Rector: Prof. E. RANCKE-MADSEN.

Det Tekniske Selskabs Skoler (*The Technical Society's Schools*): Julius Thomsensgade 5, Copenhagen; teaching staff, about 900; students, about 13,000.
Director: Dr. H. HORNBY.

Teknologisk Institut (*The Technological Institute*): Hagemannsgade 2, and Bülowsvej 34, Copenhagen; f. 1906; teachers 300, students 11,280; library contains approx. 43,000 vols.
Director: J. ZEDELER.

Jydsk Teknologisk Institut (*Technological Institute*): Marselis Boulevard 135, Aarhus; f. 1943; number of students 6,000.
Director: A. CHR. KNŪDSEN.

SCHOOLS OF ART AND MUSIC

Det Jydske Musikkonservatorium (*Academy of Music*): Fuglesangs Allé 26, Aarhus V; f. 1927.
President: Prof. T. NIELSEN.
Secretary: Dr. K. STORM.

Number of teachers: 40.
Number of students: 120.

Det Kongelige Akademi for de Skønne Kunster (*The Royal Academy of Fine Arts*): Charlottenborg, Kgs. Nytorv 1, Copenhagen K.
Rector: Prof. T. FABER.
Administrator: Cand. Jur. O. RØDER.

Number of professors: 25.
Number of students: 700.

DEANS:

School of Architecture: Prof. V. MØLLER-JENSEN.
School of Sculpture, Painting and Graphic Arts: Prof. M. BØGGILD.

Det Kongelige Danske Musikkonservatorium (*The Royal Danish Academy of Music*): H. C. Andersen's Boulevard 36, Copenhagen; f. 1866.

Number of Assoc. professors: 95.
Number of students: 250.

President: K. RIISAGER.
Secretary: P. JACOBSEN.
Librarian: S. BRUHNS.

DOMINICAN REPUBLIC

Population 3,572,700

ACADEMIES

Santo Domingo

Academia Dominicana (*Santo Domingo Academy*): correspondent of the Real Academia Española, Madrid; 17th in order of foundation in Spanish America; library of 50,000 vols.; President D. FABIO A. MOTA; Vice-Pres. D. PORFIRO HERRERA; Sec. ANTONIO FERNÁNDEZ SPENCER.

MEMBERS:

AVELINO, ANDRÉS.
BALAGUER, JOAQUÍN.
BONELLY, RAFAEL F.
DÍAZ ORDÓÑEZ, VIRGILIO.
GARRIDO, VÍCTOR (elected).
HENRÍQUEZ UREÑA, DR MAX.
INCHÁUSTEGUI CABRAL, HÉCTOR (*elected*).
JIMÉNEZ, R. EMILIO.
PATÍN MACEO, MANUEL A.
PIETER, HERIBERTO.
ROBLES TOLEDANO, OSCAR.
RODRÍGUEZ DEMORIZI, EMILIO.

Academia Dominicana de la Historia (*Academy of History*): Calle de las Mercedes; f. 1931; Pres. Dr. J. MARINO INCHÁUSTEGUI; Sec. Dr. RAFAEL MOLINA MORILLO; Librarian Lic. CÉSAR A. HERRERA; publ. *Clio* (quarterly).

MEMBERS:

ALVAREZ, Lic. FEDERICO C.
FRANCO, Dr. L. ENRIQUE.
GOICO, Lic. CARLOS RAFAEL.
HERRERA BILLINI, Lic. HIPÓLITO.
HUNGRÍA, JOSÉ ANTONIO.
NOLASTO, SÓCRATES.
PANCHECO, Dr. ARMANDO OSCAR.
PRATS RAMÍREZ, Lic. FRANCISCO.
PEPEN, Mons. JUAN F.

12 national corresponding mems., 55 foreign.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Santo Domingo

Alliance Française: Calle Mercedes 155; Dir. G. MOREAU.

Asociación Médica Dominicana (*Dominican Medical Association*): Apartado de Correos No. 1,237, Santo Domingo; f. 1941; 551 mems.; Pres. Dr. MARCIAL MARTÍNEZ LARRÉ; Sec. Dr. LUIS M. DESPRADEL; publ. *Revista Médica Dominicana* (Dir. Dr. SIXTO INCHÁUSTEGUI).

Centro de Estudios y Documentación Sociales (CEDS): Dir. VÍCTOR ALBA; publ. *Panoramas*.

Instituto Cartográfico Militar de las Fuerzas Armadas (*Military Cartographic Institute*): f. 1950; Dir. Lt.-Commander JOSÉ J. HUNGRÍA M.

Instituto Cultural Dominicano-Americano: Apdo. 147; f. 1947.

Instituto de Investigaciones Geográficas y Geológicas: Universidad de Santo Domingo, Santo Domingo; Sección de Sismología; Dir. Ing. HÉCTOR NIÑGUEZ PÉREZ.

Instituto de Investigaciones Históricas (*Institute of Historical Research*): José Reyes 24 (altos); f. 1936; library of 10,000 vols.; Pres. Dr. GUSTAVO ADOLFO MEJÍA RICART; Vice-Pres. Lic. CARLOS SÁNCHEZ S.; Sec.-Gen. (*ad hoc*) Lic. MÁXIMO COISCOU H.; Curator Lic. LEONTE GUZMÁN S.; publ. *Revista de Historia*.

Santiago de los Caballeros

Asociación Médica de Santiago (*Santiago Medical Association*): Apartado 445; f. 1941; library of 821 vols.; 65 mems.; Pres. Dr. OCTAVIO R. ALMONTE; Sec. Dr. JOSÉ COROMINAS P.; publs. *Boletín Médico* (quarterly), *Boletín Informativo* (fortnightly).

LIBRARIES

Santo Domingo

Archivo General de la Nación: Calle Chiclana de la Frontera; f. 1935; 3,000 vols.; Dir. EMILIO RODRÍGUEZ DE MORIZI.

Biblioteca de la Secretaría de Estado de Relaciones Exteriores (*Library of the Secretariat of Foreign Affairs*): Estancia Ramfis; special collections relating to international law; Dir. Dr. PRÓSPERO J. MELLA CHAVIER.

Biblioteca de la Universidad de Santo Domingo (*Library of Santo Domingo University*): Ciudad Universitaria; f. 1538; 158,719 vols. (Dominicana, historical archives, prints, maps, microfilms, etc.) 685,133 reviews (chiefly foreign, relating to the different faculties), microfilms, gramophone records; Dir. PRÓSPERO JOSÉ MELLA CHAVRIER; publ. *Información Bibliográfica* (bibliographical monthly).

Biblioteca Dominicana: housed in a chapel of the Dominican Order dating from 1729; f. 1914; over 6,000 vols., of which Dominican authors comprise 700; collections of periodicals; also contains a students' reading-room, text-books, maps; Dir. JOSÉ RIJO.

Biblioteca Municipal de Santo Domingo (*Municipal Library of Santo Domingo*): Padre Billini No. 18; Librarian LUZ DEL CARMEN RAPOZO.

Biblioteca de la Cámara Oficial de Comercio, Agricultura e Industria (*Library of the Chamber of Commerce, Agriculture and Industry*): Edificio Copello, Calle el Con 77-79; f. 1930; 7,000 vols.

Biblioteca Pública Escolar (*Students' Library*): Arzobispo Noel 52; f. 1934; over 4,000 vols., mainly text-books for school and pre-university students; portraits of several famous patriots of the Americas.

Biblioteca para Niños (*Children's Library*): Parque Infantil Ranfis (playground).

Servicio de Documentación y Biblioteca (*Library and Documentation Service*): Palacio de Educación; f. 1958; under the auspices of UNESCO; Dir. Señora NIDIA TEJEDA DE RUIZ.

Baní

Biblioteca "Padre Billini": f. 1926; about 2,000 vols.; Dir. ANGÉLICA O. DE MELO.

Moca

Biblioteca de la Agrupación Cultural "Lumen" (*Library of the "Light" Cultural Circle*).

San Pedro de Macoris

Biblioteca del Ateneo de Macoris (*Library of the Athenaeum of Macoris*): f. 1890; 6,274 vols.; Pres. Lic. JOSÉ A. CHEVALIER.

Santiago de Los Caballeros

Biblioteca del Ateneo Amantes de la Luz: 30 de Marzo esq. a 16 de Agosto; 8,000 vols.; Libr. J. M. RICARDO ROMÁN.

Biblioteca de la Alianza Cibaena.

MUSEUMS AND ART GALLERIES

Santo Domingo

Museo Nacional (*National Museum*): Solar del Almirante, an annexe of the Palace of Diego Colón (Columbus), brother of Christopher, dating from 1509; f. 1927, 18,000 exhibits: *Pre-Columbian* (Indian archæological; anthropological and ethnographical exhibits; ceramics, wooden objects, idols, amulets, charms, weapons and tools, pots, including some of Maya origin from Mexico and Guatemala; osseous remains); *Colonial* (weapons and armour, parts of ships, Spanish religious objects, ceramics, bells, etc.); *Contemporary* (paintings, drawings, photographs, numismatics); Dir. FÉLIX M. PÉREZ SÁNCHEZ; publs. guide and catalogue.

Galeria Nacional de Bellas Artes (*National Fine Arts Gallery*): f. 1943; contains the later paintings and sculptures previously exhibited in the Museo Nacional; controlled by the Dirección General de Bellas Artes (*Fine Arts Council*); Dir. Dr. MÁXIMO AVILES BLONDA.

UNIVERSITIES

UNIVERSIDAD DE SANTO DOMINGO
(Santo Domingo University)

CIUDAD UNIVERSITARIA,
SANTO DOMINGO
Telephone: 9-4191.

Founded 1538 by Papal Bull of Paul III, the University was closed 1801–15 during the French occupation. It was re-opened as a lay institution in 1815, and remained open for irregular periods between 1823 and 1882. It was reorganised in 1914. Is the oldest university in the Americas.

Rector: JOSÉ MANUEL MACHADO G.

Vice-Rectors: Dr. ROGELIO LAMARCHE SOTO, Dr. SALVADOR LLUBERES PEÑA.

Secretary-General: Dr. RAFAEL A. RAMOS.

Auditor: MIGUEL A. GOICO.

Number of teachers: 385.

Number of students: 3,837 (co-educational).

Publications: *Anuario, Anales* and *Calendario Académico*.

DEANS:

Faculty of Philosophy and Education: Dr. ARMANDO CORDERO.

Faculty of Law: Dr. MANUEL A. AMIAMA.

Faculty of Medicine: GILBERTO GÓMEZ RODRÍGUEZ.

Faculty of Pharmacy and Chemistry: Dr. LUIS E. VELÁZQUEZ.

Faculty of Odontology: Dr. FERNANDO CAMINO CESTERO.

Faculty of Engineering and Architecture: Ing. JOSÉ R. BÁEZ LÓPEZ-PENHA.

Faculty of Agronomy and Veterinary Science: HÉCTOR L. RODRÍGUEZ.

Faculty of Economic Sciences: Dr. FÉLIX BARBOSA AQUINO.

PROFESSORS:

Faculty of Philosophy:

ACHECAR, ABELARDO E., Statistics
ALFAU DURAN, VETILIO, Colonial and pre-Colonial History
ALTAGRACIA, REGINA, English
ARMENTEROS DE AYATS, ENCARNACÍON, Portuguese
DÍAZ ORDÓÑEZ, VIRGILIO, History of Civilisation
ESCOBAL, LUIS S., History of Art, Chemistry
FERNÁNDEZ C., ACACIO, Educational Psychology
FERNÁNDEZ SPENCER, ANTONIO, Spanish Linguistics
GARCÍA SOLANO, ANDRÉS A., Logic, Ethics, Theory of Knowledge
GIL, MALAQUIAS, Geography, History of America
GÓMEZ R., G., Biology
GUERRERO, MANUEL, Sociology
IGLESIAS BAHER, SALVADOR, Psychology, Latin
MELLA CHAVIER, PRÓSPERO, Librarianship
MILLEZ, HENRIETTE, French
MOTA, FABIO, Abnormal Psychology, History of Philosophy
NOLASCO, FLÉRIDA DE, Musical Appreciation and Dominican Folklore
PAREDES MENA, ANTONIO, Didactics
PÉREZ, ANA Q. DE, Latin
PÉREZ Y PÉREZ, CARLOS F., Latin American Literature
PHILIP, Sister MARY, English Language and Literature
POSADAS, LUIS G., Introduction to Philosophy
ROBLES TOLEDANO, OSCAR, History of Dominican Civilisation
ROPA, DENIS, French Literature and Language
SABRÁS GURREA, AMÓS, Mathematics
SÁNCHEZ, JUAN F., History of Philosophy, Æsthetics, Metaphysics
VALLE LLANO, ANTONIO DEL, Spanish Literature and History

Faculty of Law:

AMIAMA, MANUEL, Administrative Law, General Theory of Government, Dominican Constitutional Law
BÁEZ BLYDEN, DAMIÁN, Civil and Penal Law
BALLESTER HERNÁNDEZ, ANTONIO, Labour Law
BERAS, FRANCISCO E., Private International Law
CASTILLO DE AZA, ZENÓN, Roman Law
FERNÁNDEZ, BERNARDO A., Professional Ethics and Civil Law
GUERRERO, MARÍA, Civil Law
HERRERA BILLINI, HIPÓLITO, Civil Law and Criminal Procedure
MOREL TAVAREZ, JUAN A., Civil Law
NINA, FEDERICO, Civil Law
PACHECO, ARMANDO O., Forensic Practice
RAMOS, LEONCIO, Penal Law, Criminology
READ B., EDUARDO, Civil Law
RUIZ TEJADA, MANUEL R., Land and Civil Law
SÁNCHEZ LAJARA, BARÓN, Civil Procedure
SÁNCHEZ, RUBIO, Professional Ethics
SÁNCHEZ Y SÁNCHEZ, CARLOS, Public International Law
SOSA ORTIZ, ANÍBAL, Comparative Civil and Penal Law, History of Law, Roman Law
TAVARES, FROILAN J., History of Law

Faculty of Medicine:

BATILLE, OSCAR, Ophthalmology
BRACHE, JULIO, Surgical Semeiology
CABRAL NAVARRO, MAX M., Descriptive Anatomy
CAPELLÁN, ALEJANDRO, Embryology and Dissection
CONTRERAS, DARÍO, Clinical Surgery
CORDERO, VÍCTOR, Obstetrics
DAMIRON, ARTURO, Surgical Pathology
DE POOL, HOMERO, Ophthalmology, Oto-Rhino-Laryngology
DESPRADEL, GUIDO, History of Medicine
ELMUEDESI, ANTONIO, Surgical Semeiology
FERNÁNDEZ, HOSTOS, Medical Pathology
FERNÁNDEZ, LUIS, Medical Pathology
FERNÁNDEZ C., JOSÉ A., Semeiology, Medical Propædeutics
GARCÍA, TORIBIO, Gynæcology
GOICO, FÉLIX, Surgical Anatomy and Operational Medicine

Gómez Rodríguez, Gilberto, Medical and Tropical Pathology
Guerrero, Wenceslao, Therapeutics, Dermatology, Pharmacology, Materia Medica
Herrera, Gilberto, Gynæcology
Lovatón P., Ramón, Urology
Lugo Santos, Amable, Pharmacology, Materia Medica
Messina, Angel, Obstetrics
Miranda, Rafael, Medical Pathology, Pædiatrics
Mota M., Fabio A., Medical Physics, Psychiatry, Forensic Medicine and Toxicology
Paiewonsky, Alberto, Clinical Radiology
Piantini, Miguel, Hygiene, Medical and General Pathology
Pichardó, Nicolás, Clinical Medicine
Pimentel Imbert, Manuel, Parasitology
Plácido, Fermín P., Embryology
Ravelo Barré, Mario, Histology and Pathological Anatomy
Read B., Héctor, Bacteriology
Ricart, Arturo D., Surgical Pathology
Sallent J., Freddy, Physiology
Sánchez, Manuel, Medical Semeiology

Faculty of Pharmacy and Chemistry:
Abreu, María O., Quantitative Chemical Analysis
Buera, Milady H. de., Forensic Pharmacy, First Aid
Cartagena de Möller, Helvia, Pharmaceutics and Bacteriology
Cornelio de Velázquez, Luisa, Qualitative Chemical Analysis and Toxicologic Analysis
Cuevas Alvarez, Luis, Pharmaceutics and Pharmacognosy
Escobal, Luis S., Pharmaceutical Physics and Chemistry
Hidalgo Justo, Víctor, Hygiene and Food Analysis
Velázquez, Luis, Pharmacology and Biological Chemistry
Veloz, Félix Galenic Pharmacy

Faculty of Odontology:
Aybar, José Enrique, History of Dental Surgery
Cabral, Máximo, Descriptive Anatomy
Camino Cestero, Fernando, Physiology
Capellán, Alejandro, Dissection
Cornelio López, Ana, Pharmacology
Correa Colón, Fernando, Dental Prosthesis
Franco, Héctor, Crowns and Bridges
García Godoy, Federico, Child Dentistry
Gasso Pereyra, Manelik, Ethics and Forensic Odontology
Guzmán, Cándido, Dental Materials
Heredia, Dr. María, Diagnostics
Hernández Motz, Rafael, Orthodontics
Hernández P., Octavio, Operative Dentistry, Orthodontics
Kasse Acta, Rafael, Endodontics
Mañón del Río, Rafael, Physics and Chemistry in Medicine
Mena, Dr. Ramón, Dentistry
Molina Dajer, Hugo, Dental Anæsthesia
Montás, Dr. Bienvenida, Physiology
Pichardó, Ulises E., Oral Embryology and Histology
Prager Weisz, Paolo, Dental Mechanics
Puig Bentz, René A., Clinical Diagnosis, Oral Surgery, Periodontics

Ravelo, Dr. Mario, Pathological Anatomy
Read Gómez, Alejandro, Biology
Read, Hector, Bacteriology and Histology
Santamaría, Manuel, Dental Pathology

Faculty of Agronomy and Veterinary Science:
Alvarez Vicioso, Jesús, Parasitology
Batlle, Logroño, Anatomy, Pathology and Histology
Carrillo, Hugo, Professional Ethics
Cestero, Ing. Miguel, Forage
Duval, Dr. Lidio A., Professional Ethics
Ede-Mañón M., Luis, Therapeutics and Forensic Medicine
García, Ing. Juan U., Statistics
González S., Otto, Non-teaching
Lebrón de Alvarez, Victoria, Bromatology, Zootechnics and Animal Feeding
López D., Carlos, Physiology, Hygiene and Legislation
Mañón, Dr. Luis, Anatomy and Hygiene
Mañón del Río, Dr. J., Bio-Chemistry
Rodríguez J., Héctor, Infectious Diseases
Sanabia O., Aníbal, Microbiology and Immunology
Velásquez, Luisa C. de, Applied Physics and Chemistry
Viñas Román, Jaime, Pathology, Endemic Diseases and External Morphology

Faculty of Finance, Commerce and Economics:
Achécar, Abelardo E., Statistics
Alvarez Dugan, J., Social Law
Anglada, Dr. Ernesto, Commerce and Finance
Barbosa Aquino, Feliz, Public Finance and Tributary Law
Canela, Luis A., Calculus
Cornielle, Dr. Carlos, Elementary Economic Theory
Farías, Lic. Aquiles, Accountancy
Fernández, Dr. Diógenes, Finance and Banking
Fernández, Dr. Jaime, Customs and Mercantile Law
Herrera Cambier, R., Labour and Industrial Legislation
Jacobo, Dr. José, National Economy
Mejía, Dr. Roger, Securities
Mejía S., Hernán, Economic Geography
Méndez Núñez, Fidel, Banking
Núñez, Generoso, Valuation
Silié Gatón, Dr. Fernando, Labour Legislation
Suncar, Dr. Ernesto, Law Usage
Tellado, Antonio, Commercial Legislation and Mercantile Law
Vidal, Enrique, Accountancy

Faculty of Engineering and Architecture:
Berges, Arq. Roberto L., Drawing and Building Materials
Campos, Ing. Manuel de Js., Construction Stability
Castaños Espillat, Julio, Surveying
Carvonell Arias, Teofilo, Draughtsmanship
Espaillat, Arq. Roberto, Architectural Composition
Ganan,Corcho, Demetrio, Sewage and Drainage
Haza del Castillo, Luis, Town Planning
Hernández, Ing. Pedro, Geometry, Geodesy, Cartography
Hernández Ramos, Rafael, Draughtsmanship
Hernández Rivera, Miguel, History of Architecture
Jiménez Figueroa, Mario, Perspective
Jiménez Vásquez, José, Sanitary Engineering
Lamarche, Ing. Luis, Trigonometry
Matos, Ing. Vinicio, Photography
Pérez, Arq. Eugenio, History of Art and Architecture
Pérez, Ing. Miliciades, Mathematical Analysis
Periche, Ing. Máximo, Analytical Geometry
Reyes, Ing. José O., Physics and Rational Mechanics
Ricart, Ing. Fernando, Geology
Roa del Rosario, Ing. E., Bridges
Sallent, Lic. José E., Chemistry
Sosa Baudre, Luis, Draughtsmanship
Vega, Arq. Edgardo, Architecture

UNIVERSIDAD CATÓLICA "MADRE Y MAESTRA"

SANTIAGO DE LOS CABALLEROS

Founded 1962.

President: Mgr. Hugo Polanco Brito.
Secretary-General: Lic. Alicia Guerra.

Number of teachers: 32.
Number of students: 251.
Faculties of Philosophy, Education, Law, Mechanical and Electrical Engineering and Business Management.

Deans:

Faculty of Education: Felipe Arroyo.
Faculty of Law: Flavio Espinal.
Faculty of Business Administration: Manuel José Cabral.

SCHOOLS OF ART AND MUSIC

Dirección General de Bellas Artes (*Fine Arts Council*): Santo Domingo; controls the following:

Academias de Música (*Academies of Music*).

Escuela de Arte Escénico (*School of Scenic Art*).

Escuela Nacional de Bellas Artes (*Fine Arts School*).

Conservatorio Nacional de Música (*National Conservatoire of Music and Elocution*).

Escuela de Ballet (*School of Ballet*).

Escuela de Danzas Folklóricas (*School of Folk Dancing*).

Escuelas de Artes Plásticas (*Schools of Plastic Arts*) at Santiago, San Francisco de Macorís and La Vega.

Liceo Francisco Soné, La Vega.

Liceos Musicales (*Schools of Music*) at Santiago, San Francisco de Macorís and San Cristóbal.

Teatro Escuela del Arte Nacional (*Dramatic School*).

ECUADOR

Population 4,654,000

ACADEMY

Quito

Academia Ecuatoriana (*Academy of Ecuador*): f. 1875; 2nd in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; publ. *Memorias*; the library, with over 2,000 vols., forms part of the National Library.

Director: GONZALO ZALDUMBIDE.
Secretary-Treasurer: JULIO TOBAR DONOSO.

MEMBERS:

ARIAS, AUGUSTO.
BARRERA, ISAAC J.
BUSTAMANTE, GUILLERMO.
CARRERA ANDRADE, JORGE.
DE LA TORRE, Cardinal CARLOS M.
GUARDERIAS, FRANCISCO.
PÉREZ GUERRERO, ALFREDO.
RUMAZO, JOSÉ.
SÁNCHEZ ASTUDILLO, MIGUEL
VELASCO IBARRA, JOSÉ MARÍA.

Elected:

CARRIÓN, BENJAMÍN.
CHACÓN, R.P. JORGE, S.J.
TOSCANO, HUMBERTO.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Quito

Alliance Française: Plaza del Teatro y Manabi 348; Dir. J. THIERIOT.

Casa de la Cultura Ecuatoriana: Casilla 67; f. 1944; covers all aspects of Ecuadorean culture; 25 mems. Pres. Lic. JAIME CHÁVEZ GRANJA, Sec. Dr. RODRIGO BORJA; publs. 15 regular journals in sciences, culture, art, etc.; library of 12,000 volumes and over 20,000 periodicals; members include National Library, National Museum, National Archives of History.

Dirección General de Estadística y Censos (*Statistics and Census Office*): Ministerio de Economía; f. 1944; Economic Dir.-Gen. CÉSAR H. PALACIOS R.; publs. *Anuario General, Anuario de Estadísticas Vitales, Boletín Trimestral de la Sección de Estadísticas Económicas y del Trabajo, Boletín Trimestral de la Sección de Estadísticas Sociales y Demográficas, Boletín Mensual de Estadísticos.*

Instituto Botánico de la Universidad Central (*Botanical Institute*): Universidad Central; f. 1937; 7 mems., 1 hon.; Dir. Dr. ALFREDO PAREDES C.; publ. *Boletín.*

Instituto de Asuntos Inter-Americanos: División de Educación (*Institute of Inter-American Affairs: Division of Education*): Avda. Colón 1717; f. 1942; to help in the improvement of cultural relations between the Americas and to improve the standard of education in Ecuador; Acting Dir. Dr. LEA T. HEARN and a staff of over 20 specialised technicians; numerous publications.

Instituto Ecuatoriano de Antropología y Geografía (*Ecuadorian Institute of Anthropology and Geography*): Casilla 2258, Quito; f. 1950; research in Anthropology, Ethnology, Folk-lore, Linguistics and national questions, 20 mems.; 80 hon. mems.; library of 3,000 vols.; Dir. Dr. ALBERTO FLORES GONZÁLEZ; publ. review *Llacta* (twice yearly).

Instituto Ecuatoriano de Ciencias Naturales (*Ecuadorian Institute of Natural Sciences*): P.O. Box 408; f. 1940; 32 founder mems., 70 corresponding; library; Dir. Prof. Dr. MISAEL ACOSTA-SOLÍS; publ. *Flora* (official organ) and monographs.

Instituto Nacional de Nutrición (*National Institute of Nutrition*): Avenida Colombia; f. 1950; training courses and surveys; Dir. Dr. LUIS VALLEJO C.

Instituto Nacional Mejía (*Mejía National Institute*): f. 1903; library of 20,000 vols.; publ. *Boletín.*

Observatorio Astronómico de Quito (*Astronomical Observatory*): Apdo. 165; f. 1873; Astronomy, Seismology and Meteorology; Admin. Dir. LUIS MENA; Technical Dir. Dr. A. C. SCHEEPMAKER; publs. *Boletín Trimestral, Memoria Anual* and *Resumen de Observaciones Meteorológicas.*

Servicio Nacional de Meteorología e Hidrología (*Meteorological Office*): Avenida Colón No. 1663; f. 1961; Dir. Eng. ANTONIO GARCÍA S.

Sociedad Ecuatoriana de Alergología y Ciencias Afines (*Ecuadorean Society of Allergology and Related Sciences*): Casilla 2339; f. 1961; 25 mems.; Pres. Dr. PLUTARCO NARANJO; Sec. Dr. JORGE RODRÍGUEZ.

Sociedad Latinoamericana de Farmacología: Casilla 2339; f. 1964; to develop teaching of Pharmacology and stimulate research; 145 mems.; Pres. Dr. PLUTARCO NARANJO; Sec. Dr. RUPERTO ESCALERAS.

Guayaquil

Alliance Française: Francisco P. Ycaza 203 y Pedro Carbo, P.O.B. 4902; Dir. J. C. LAFUSTE.

Asociación Escuela de Medicina (*School of Medicine Association*): publ. *Boletín de Medicina e Cirugía.*

Instituto de Investigaciones Veterinarias del Litoral (*Veterinary Research Institute*): Guayaquil; f. 1954; Dir. Dr. GONZALO SOTOMAYER NAVAS.

Instituto Nacional de Higiene "Leopoldo Izquieta Pérez" (*National Institute of Hygiene*): Apartado 3961, Guayaquil; f. 1941; Dir. Dr. LUIS FERNANDO GÓMEZ LINCE; Sec. Dr. JOFFRÉ GARCÍA JAIME; the Institute has twenty-six departments and sections, and 3,900 vols. in its library; publ. *Revista Ecuatoriana de Higiene y Medicina Tropical.*

Centro de Investigaciones Históricas (*Centre of Historical Research*): P.O.B. 75; f. 1930; 15 mems.; library of 4,000 vols.; Pres. Dr. EDUARDO ALCÍVAR E.; Sec.-Gen. Dr. JORGE AMADOR YCAZA; publ. *Revista.*

Sociedad Ecuatoriana de Pediatría (*Pædiatrics Society of Ecuador*): Casilla 5865; f. 1945; scientific extension courses and lectures; Pres. Dr. ISIDORO MARTÍNEZ MCKLIFF; Sec. Dr. ARTURO VALERO ROJAS; publ. *Revista Ecuatoriana de Pediatría.*

Sociedad Médico-Quirúrgica del Guayas (*Medical and Surgical Society*): publ. *Anales.*

Galapagos Islands

Charles Darwin Research Station: Indefatigable Island (Santa Cruz); f. 1960 under the auspices of UNESCO to study and preserve the flora and fauna; Dir. ROGER PERRY; the headquarters of the organisation are at Palais des Académies, Brussels 1, Belgium; (*see under* International Organisations—Science).

LIBRARIES

Quito

Archivo del Poder Legislativo: f. 1886; 17,500 vols.; Dir. A. GUERRA PAREDES.

Archivo Nacional de Historia (*National Historical Archives*): Apdo. 67; f. 1937; 2,500 vols.; colonial documents of the 16th to 18th centuries; Dir. ALFREDO CHAVES.

Biblioteca Nacional (*National Library*): Apdo. 163; f. 1792; 50,000 vols., of which 7,000 date from the 16th to 18th centuries; Dir. JOAQUÍN RUALES LASO.

Biblioteca de la Casa de la Cultura Ecuatoriana (*Library of Ecuadorean Culture*): Apdo. 67; f. 1944; Dir. LAURA DE CRESPO TORAL.

Biblioteca de la Universidad Central del Ecuador (*Central University Library*): The library, which later formed the nucleus of the University Library, was founded in the 18th century; 45,500 vols.; Dir. Dr. GALO RENÉ PÉREZ; publ. *Cuadernos de Arte y Poesía* as part of the *Anales de la Universidad*; open to the public.

Biblioteca Ecuatoriana y Archivo: Instituto Superior de Humanidades Clásicas, Apdo. 160; 55,000 vols.; f. 1928; Librarian OSVALDO ROMERO ARTERA, S. J.

Biblioteca Municipal (*Municipal Library*): Casa de Montalvo, Apdo. 75; f. 1886; 12,500 vols., 300 MSS., 4 incunabula.

Cuenca

Biblioteca "Juan Bautista Vázquez" de la Universidad de Cuenca (*Cuenca University Library*): f. 1882; 53,129 vols.; *Descripción de las Indias Occidentales* by Antonio de Herrera, Chief Chronicler to His Majesty of the Indies, 1729; *Biblioteca de Autores Españoles desde la formación del Lenguaje hasta nuestros días*, the first volumes edited by Buenaventura Carlos Aribau, 70 vols., Madrid, 1864-80; also historical MSS.; Dir. GONZALO HUMBERTO MATA.

Biblioteca de Autores Nacionales "Fray Vicente Solano": Apdo. 222; f. 1929; 21,305 vols.; Founder-Dir. Prof. DANIEL A. VINTIMILLA RAMÍREZ.

Biblioteca Pública Municipal (*Public Municipal Library*): Apdo. 202; f. 1927; Dir. EUGENIO AGUILAR ARÉVALO.

Biblioteca Hispano-Americana (*Hispanic-American Library*): Mariscal Sucre 338, Apto. 133; f. 1934; 23,731 vols.; Dir. NICOLÁS ESPINOSA CORDERO.

Biblioteca Panamericana (*Pan-American Library*): Apdo. 57; f. 1912; 28,000 vols.; Dir. B. ALBORNOZ C.

Guayaquil

Biblioteca "Angel Andrés García" del Colegio Nacional "Vicente Rocafuerte" (*National College Library*): Vélez 2203, Apdo. 330; f. 1847; 13,000 vols.; Dir. EDUARDO ZURITA ROSERO; publ. *Revista del Colegio Nacional "Vicente Rocafuerte"* and students' periodicals.

Biblioteca Central, Universidad de Guayaquil: Apdo. 3834; f. 1901; 20,000 vols.; Dir. Dr. VÍCTOR M. GUERRA.

Biblioteca de Autores Nacionales "Carlos A. Rolando' (*Library of Ecuadorian Writers*): Palacio Municipal; f. 1913; 12,000 vols., 15,000 pamphlets, 17,000 leaflets, 3,000 MSS. relating to Ecuadorian authors and foreign works about Ecuador; Dir. Dr. CARLOS A. ROLANDO.

Biblioteca de la Casa de la Cultura Ecuatoriana: Nucleo de Guayas, 9 de Octubre y Pedro Moncayo, Apdo. 3542; f. 1945; 15,000 vols.; Dir. MARÍA LOLA CASTRO TOLA.

Biblioteca Histórica y Archivo Colonial (*Historical Library and Colonial Archives*): Palacio de la Municipalidad, P.O. Box 75; f. 1930; Dir. Dr. CARLOS A. ROLANDO; Sec. Prof. GUSTAVO MONROY GARAICOA.

Museo y Biblioteca Municipal (*Town Museum and Library*): Avda. 10 de Agosto, Calle Pedro Carbo; f. 1862; library contains over 80,000 vols.; Dir. ROSA BORJA DE YCAZA (*see under* Museums).

Loja

Biblioteca de la Universidad (*University Library*): 3,500 vols.; Librarian JORGE RIOFRÍO SAMANIEGO.

MUSEUMS

Quito

Museo Botánico Forestal: Departamento Forestal, Ministerio de Fomento; f. 1951; herbarium and forest products; 25,000 equatorial specimens; Head of Dept. MANUEL GILER.

Museo de Arte e Historia de la Ciudad (*Civic Museum of Arts and History*): Calle Espejo 1147, Apdo. 3054; f. 1930; sculptures, paintings, documents; Dir. JORGE A. GARCÉS G.; Sec. Dr. JUAN F. PÁEZ TERAN.

Museo de Ciencias Naturales de la Escuela Militar "Eloy Alfaro": Avda. Orellana, La Pradera 400; f. 1937; geological specimens and fauna from the Galapagos Islands; taxidermy and anatomy illustrated, especially of mammals and birds; Taxidermist LUIS ALFREDO PÉREZ VACA; publ. *Revista Anual del Plantel*.

Museo de Instrumentos Musicales "Pablo Traversari": Avda. 6 de Diciembre 332, Apdo. 67; European instruments and pre-Inca and colonial; Dir. CARLOTA BAQUERO PÁEZ.

Museo Etnográfico de la Universidad Central (*Ethnographical Museum*): 8,000 Ecuadorian exhibits; library of 1,200 vols.; Dir. Prof. ANTONIO SANTIANA.

Museo Geológico de la Dirección de Minas: Calle Guayaquil 1914; f. 1937; minerals found in the country; Dir. MARÍA CABEZA.

Museo "La Salle": Caldas 587, Apdo. 329; f. 1936; natural science collection; Dir. CLEMENTE ROMANO.

Museo Jijón y Caamaño de Arqueologia e Historia (*Jijón y Caamaño Archaeological and Historical Museum*): Avda. 10 de Agosto.

Museo Nacional de Arte Colonial: Calles Cuenca 915 y Mejía; f. 1926; many examples of art from the *Escuela Quitena* of the colonial epoch—16th-18th centuries, 19th century art and contemporary art exhibitions (the latter in conjunction with the Casa de la Cultura Ecuatoriana); Dir. EDUARDO KINGMAN.

Museos de la Universidad Central del Ecuador (*Central University Museums*): Sections of Anthropology, Archaeology and Ethnography; Dir. Dr. ANTONIO SANTIANA.

Guayaquil

Museo y Biblioteca Municipal (*Town Museum and Library*): Avda. 10 de Agosto, Calle Pedro Carbo; f. 1862; historical, ethnographical, palæontological, geological exhibits; colonial period and modern paintings and numismatics; (*see also* Libraries).

UNIVERSITIES

UNIVERSIDAD CENTRAL DEL ECUADOR
(Central University of Ecuador)

GARCÍA MORENO 887, Y ESPEJO 945, CASILLA 166, QUITO

The Central University came into being as a result of the fusion, in 1769, of three institutions of higher learning: the Seminary of San Luis, founded 1594; the University of San Gregorio Magno, founded 1622—both Jesuit institutions; and the Dominican University of Santo Tomás de Aquino. In 1822 the University was reorganised. After undergoing various vicissitudes during the next hundred years, it was granted technical and administrative autonomy in 1925.

Rector: Dr. JULIO ENRIQUE PAREDES.
Vice-Rector: Dr. JAIME RICAURTE E.
Secretary-General: Dr. GERMANO CABRERA J.

Number of teachers: 527.
Number of students: 3,824 men, 942 women.

Publications: *Anales* (f. 1883; oldest periodical in Ecuador), *Boletín* (monthly).

DEANS:

Faculty of Jurisprudence and Political and Social Science: Dr. AURELIO GARCÍA.
Faculty of Economics and Administrative Sciences: Econ. JUAN SALGADO.
Faculty of Medical Sciences: Dr. MIGUEL SALVADOR.
Faculty of Physical and Mathematical Sciences: Ing. ANTONIO SALGADO.
Faculty of Chemical and Natural Sciences: Ing. OSWALDO HERNÁNDEZ.
Faculty of Sciences of Education: Dr. CÉSAR JARAMILLO P.
Faculty of Agriculture and Veterinary Medicine: Ing. GONZALO LUZURIAGA.
Faculty of Odontology: Dr. ENRIQUE RIPALDA.
Faculty of Architecture: Arq. MARIO ARIAS.

DOCTORS OF SCHOOLS:

School of Veterinary Medicine: Dr. LEÓN PACÍFICO BRAVO.
School of Obstetrics: Dr. ALFREDO JIJÓN M.
School of Nursing: Sta. LIGIA GÓMEZ.
School of Physical Education: LUIS FELIPE CASTRO.
School of Journalism: JOSÉ ALFREDO LL.
School of Administration: Lcdo. CARLOS DAVALOS.
School of Biochemistry and Pharmacy: Dr. ROBERTO CHEDIACK.
School of Psychology: Dr. JULIO ENDARA.
School of Fine Arts: JAIME VALENCIA.

DIRECTORS OF INSTITUTES:

Institute of Criminology: Dr. JULIO ENDARA.
Institute of International Law: Dr. EDUARDO SANTOS.
Institute of Comparative Law: Dr. JORGE CORNEJO R.
Institute of Practical Forensics: Dr. CELSO OLMEDA V.
Institute of Labour and Social Research: Dr. FABIÁN JARAMILLO.
Institute of Languages: PLUTARCO HERDOIZA.
Institute of Anthropology and Ethnography: Dr. ANTONIO SANTIANA.
Institute of Economic Research: Econ. LUIS KING.
Institute of Business Studies: Lcdo. CARLOS DAVALOS.
Institute of Natural Sciences: Dr. PLUTARCO NARANJO.

UNIVERSIDAD CATÓLICA DEL ECUADOR

BOLÍVAR 343, APDO. 2184, QUITO

Telephone: 30-056.
Telegraphic Address: Universidad Católica, Quito, Ecuador.

Founded 1946.

GOVERNING COUNCIL:

Grand Chancellor: Cardinal CARLOS MARÍA DE LA TORRE, Archbishop of Quito.
Rector: R.P. LUIS E. ORELLANA, S.J.
Vice-Rector: Rvdmo. Sr. ANGEL GABRIEL PÉREZ.
Hon. Vice-Rector: Dr. JOSÉ MARÍA PÉREZ ECHANIQUE.
Secretary-General: Dr. RAFAEL BORJA PEÑA.
Treasurer: Lic. FRANCISCO TOBAR GARCÍA.
Pro-Secretary: Dr. RANULFO RODRÍGUEZ MARÍN.
Librarian: Dra. BERTA MOREIRA DE ALAVA.

Number of teachers: 131.
Number of students: 667.

DEANS:

Faculty of Jurisprudence: Dr. JULIO TOBAR DONOSO.
Faculty of Philosophy, Pedagogy and Letters: R.P. JUAN I. ESPINOSA PÓLIT, S.J. (10 professors).
Faculty of Engineering: Ing. JOSÉ RUBÉN ORELLANA RICAURTE.

PROFESSORS:

Faculty of Juridical and Economic Sciences:
ACOSTA VELASCO, ALBERTO, History of Economic Doctrines
BAYAS VALLE, VICTOR H., Penal Procedure
BOADA PÉREZ, JUAN, Public Finance
BORJA PEÑA, RAFAEL, Commercial Law
CARRIÓN EGUIGUREN, EDUARDO, Civil Law
CORDOVA-GUERRÓN, EDUARDO, Administrative Law
DOMÍNGUEZ, CARLOS, Sociology and Philosophy
DONOSO VELASCO, JOSÉ I., Penal Law
ESPINOSA PÓLIT, JUAN, Religion
GARREA, PEDRO, Civil Law
GONZÁLEZ, OSWALDO, Penal Law
LARREA, PEDRO, Mining and Petroleum Laws
LUNA TOBAR, Rev. ALBERTO, Legal Psychology
MENA VILLAMAR, CLAUDIO, Statistics
MORA, ALFONSO MARÍA, Roman Law
PONCE ENRÍQUEZ, CAMILO, Constitutional Law
PONCE ENRÍQUEZ, LUIS, Administrative Law
RIOFRÍO VILLAGÓMEZ, EDUARDO, Finance
RODRÍGUEZ MARÍN, RANULFO, Constitutional Law
TAPIA, GILBERTO, Religion
TOBAR DONOSO, JULIO, Political Science
TROYA CEVALLOS, ALFONSO, Civil Law

UNIVERSIDAD DE CUENCA

(also called Universidad del Azuay)

APDO. 168, CUENCA
Telephone: 25-28.

Founded 1868.

Rector: Dr. GABRIEL CEVALLOS GARCÍA.
Vice-Rector: Dr. LUIS MONSALVE POZO.
Secretary-General: Dr. VÍCTOR LLORÉ MOSQUERA.

Each Faculty has a representative for the students on the University Council.

Number of teachers: 122.
Number of students: 1,134 (co-educational).

Publications: *Anales de la Universidad de Cuenca, Revista de la Facultad de Jurisprudencia, Revista de la Facultad de Ciencias Médicas, Revista de la Facultad de Filosofía y Letras, Revista de la Facultad de Odontología.*

DEANS:

Faculty of Jurisprudence and Social Sciences: Dr. CÉSAR ASTUDILLO.
Faculty of Medical Sciences: Dr. LEONCIO CORDERO JARAMILLO.
Faculty of Mathematical and Physical Sciences: Ing. MARCO TULIO ERAZO VALLEJO.
Faculty of Philosophy and Letters: Dr. GABRIEL CEVALLOS GARCÍA.
Faculty of Chemistry: Dr. JOSÉ ORELLANA SOLANO.
Faculty of Odontology: Dr. RICARDO MUÑOZ DAVILA.
Faculty of Architecture: JORGE ROURA CEVALLOS.

PROFESSORS:

Faculty of Jurisprudence and Social Sciences:
AGUILAR ARÉVALO, ROBERTO, Territorial Law, History of Law
ANDRADE CORDERO, CÉSAR, Introduction to and Philosophy of Law
ASTUDILLO, CÉSAR, Sociology
ASTUDILLO, VIRGILIO, Penal Law

BORRERO V., ANTONIO, Law of Property
CHICO PEÑAHERRERA, RAFAEL, Public International Law, Territorial Law
CHICO PEÑAHERRERA, REINALDO, Penal and Procedural Law
CORDERO C., SERVIO, Political Economy
CORDERO E., CLAUDIO, Economic History
CORDERO LEÓN, GERARDO, Municipal Law, Administrative Law, Constitutional Law
CORRAL B., JULIO, Civil Law
CUEVA TAMARIZ, AGUSTÍN, Forensic Medicine, Psychiatry
CUEVA TAMARIZ, CARLOS, Industrial Law
FERNÁNDEZ MÁRQUEZ, CÉSAR, Civil Law
LLORÉ MOSQUERA, VÍCTOR, Procedural and Penal Law
MONSALVE POZO, LUIS, Commercial Law, Statistics
MUÑOZ CHÁVEZ, R., Civil Procedures
TORRES CAICEDO, REINALDO, Economic Science

Faculty of Medical Sciences (consists of the Schools of Medicine, Obstetrics and Nursing):
ALBORNOZ VINTIMILLA, JAIME, Clinical Psychiatry, Dermatology and Venereal Diseases
ALVARADO COBOS, ALBERTO, Tropical Medicine, Hygiene, Dietetrics
ARIAS ARGUDO, C., Dermatology, Therapeutics, Venereal Diseases
ARTEAGA LOZANDO, M., Child Medicine
BARZALLO CALDERÓN, RICARDO, Nosography, Physiopathology, Topographical Anatomy
CARRASCO ARTEAGA, JOSÉ, General Pathology, Nosography, Nutritional Diseases
CARRERA COBOS, TIMOLEÓN, Bromatology, Bacteriology, Parasitology
CARVALLO VALDIVIESO, HONORATO, Endocrinology, Physiotherapy, Hygiene and Botany
CAZORLA PALACIOS, R., Orthopædics and Traumatology
CORDERO JARAMILLO, LEONCIO, Embryology, Anatomy, Normal and Pathological Histology
CORRAL MOSCOSO, N., Gynæcology and Obstetrics
CORRAL MOSCOSO, VICENTE, Clinical Surgery, Urology, Orthopædy
HERMIDA PIEDRA, CÉSAR, Physiology, Biochemistry
IDROVO AGUILAR, JUAN, Surgery, Surgical Nosography
LEÓN DELGADO, E., Radiology
MONTESINOS GONZÁLEZ, RICARDO, Forensic Medicine, History of Medicine, Toxicology
MORENO PEÑA, LUIS G., In charge of Clinics
ORTIZ TAMARIZ, JOSÉ J., Organic, Inorganic, Biological Chemistry
REGALADO ABAD, ORLANDO, Anatomy and Physiology
SOJOS JARAMILLO, LUIS, Child Surgery, Ophthalmology, Oto-Rhino-Laryngology
SOLÍS, CABRERA, RUBÉN D., Pharmacology
TAMARIZ ARTEAGA, MODESTO, Dissection

Faculty of Mathematical and Physical Sciences:
BURBANO MOSCOSO, JORGE, Elementary Physics and Perspective
CASTRO POZO, GUSTAVO, Bridge Building
CORDERO ORDÓÑEZ, VLADIMIRO, Electrotechnics
ERAZO VALLEJO MARCO, TULIO, Geological Engineering, Applied and Inorganic Chemistry, Petrology
HEREDIA CARRIÓN, CARLOS, Architecture, Descriptive Geometry, Industrial Design
HINOJOSA COBOS, ENRIQUE, Analytical Geometry Statics
LOAIZA JARAMILLO, LUIS E., Theory of Building
NAVARRETE, ARMANDO, Soil Mechanics, Communication Systems
PALACIO IZQUIERDO, DANIEL, Topography and Astronomy
RAMÍREZ AGUILAR, ARTURO, Differential and Integral Calculus, Reinforced Concrete
SOTOMAYOR VILLEGAS, Ing. ULISES, Sanitary Engineering
TORRES OCHOA, MEDARDO, Rational Mechanics, Applied Hydraulics
VÉLEZ JARAMILLO, JORGE, Astronomy, Geodesy
VÉLEZ JARAMILLO, RAFAEL, Resistance to Materials, Applied Hydraulics
VINTIMILLA ORDÓÑEZ, HERNÁN, Mathematical Analysis

Faculty of Philosophy and Letters:
ALVAREZ GONZÁLEZ, FRANCISCO, History of Philosophy, Psychology and Theory of Logic
CEVALLOS GARCÍA, GABRIEL, Principles of Philosophy, History of Civilisation
ESTRELLA CARRIÓN, FRANCISCO, English
FRADEJAS SÁNCHEZ, LUIS, Spanish Language and Literature and World Literature
GONZÁLEZ FONTANEDA, SILVINO, Latin and French
LÓPEZ RUEDA, JOSÉ, Latin, World History, American History, Greek
ORDÓÑEZ ESPINOZA, HUGO, History
SERRANO AGUILAR, ALEJANDRO, World Literature

Faculty of Chemistry:
AGUILAR MALDONADO, GUILLERMO, Anatomy
CARVALLO, ERNESTO, Geometry
CORDERO CRESPO, RODRIGO, Pharmacodynamics
DONOSO MONTESINOS, CARLOS, Botany, Galenic Pharmacy
FLORES GARCÍA, GIL, Biological Analysis, Parasitology and Bacteriology
GONZÁLEZ MOSCOSO, MARCELO, Chemistry
MONSALVE ORTIZ, LUIS, Algebra
MOSCOSA DAVILA, RUBÉN, Industrial Economy
ORELLANA SOLANO, JOSÉ, Head of the Laboratories
PERALTA CRESPO, JAIME, Metallurgy
VILLAR CHAO, JAIME, Industrial Organic Chemistry, Functional Analysis

Faculty of Odontology:
ACOSTA CRESPO, HERNANDO, Dental Prosthesis, Crowns and Bridges
CORDERO JARAMILLO, HERNANDO, Histology
MOSCOSO ESPINOSA, JOSÉ G., Anatomy, Electroradiology
MUÑOZ DAVILA, RICARDO, Stomatological Pathology, Therapy and Semeiology
NEIRA CARRIÓN, EDUARDO, Children's Dentistry, Maxillo-Facial Surgery
SÁNCHEZ VALDIVISO, LUIS J., Physiology
SERRANO VEGA, JOSÉ, Pathological Anatomy and Dissection

Faculty of Architecture:
BURBANO MOSCOSO, CÉSAR, Drawing
CARRASCO ZAMORA, RAÚL, Topography
DARWIN TORRES, C., Architectural Analysis
PÉREZ CARRIÓN, JOSÉ, Technical Drawing
RAMÍREZ SALCEDO, GASTÓN, Introduction to Architecture
ROURA CEVALLOS, JORGE

UNIVERSIDAD DE GUAYAQUIL

CALLE CHILE 900, P.O. BOX 471, GUAYAQUIL

Founded 1897.

Rector: Dr. ALFONSO MARTÍNEZ ARAGÓN.

Secretary-General: Dr. ALBERTO SÁNCHEZ BALDA.

Number of teachers: 436.

Number of students: 3,523.

Publications: *Anales de la Universidad, Boletín Universitario.*

DEANS:

Faculty of Jurisprudence and Social Sciences: Dr. JUAN A. ILLINGWORTH BAQUERIZO.
Faculty of Medical Sciences: Dr. JOSÉ M. VARAS SAMANIEGO.
Faculty of Mathematical and Physical Sciences: Ing. ANTONIO ORTIZ MARÍN.
Faculty of Economics: Econ. VICTOR H. CORREA BUSTAMANTE.
Faculty of Chemical Engineering: Dr. ILDEFONSO BOHÓRQUEZ DE LA TORRE.
Faculty of Chemistry and Natural Sciences: Dr. PABLO GUERRERO LOSADA.
Faculty of Agriculture and Veterinary Science: Ing. GONZALO CAAMAÑO AÑAZCO.
Faculty of Odontology: Dr. FELIX PAZMIÑO YLLESCAS.
Faculty of Architecture: Arq. GUILLERMO CUBILLO RENELLA.
Faculty of Education: Dr. JULIO PIMENTEL CARBO.

AFFILIATED INSTITUTES:

Instituto de Educación Física (*Physical Training Institute*).
Director: ALFONSO DROUET.

Instituto de Investigaciones Económicas y Políticas (*Economic and Political Research*).
Director: Econ. CRISTÓBAL HURTADO.

Conservatorio de Música "Antonio Neumane".
Director: CARLOS ARIJITA.

Academia de Lenguas (*Academy of Foreign Languages*).
Director: Dra. DIGNA AYÓN DE MESSNER.

Escuela de Periodismo (*School of Journalism*).
Director: Dr. RAFAEL GALARZA A.

Escuela de Archivología y Bibliotecología (*School for Archivists and Librarians*).
Director: Dr. VÍCTOR GUERRA JARAMILLO.

Escuela de Enfermería (*School of Nursing*).
Director: Sra. DELIA DE CALLE.

Instituto de Energía Nuclear y Aprovechamiento de la Energía Solar (*Institute of Nuclear Energy and Utilisation of Solar Energy*).

Director: Dr. LUIS ESPINOSA TAMAYO.

Institute de Estudios Hispano-Americanos (*Institute of Hispano-American Studies*).

Director: Dr. ANTONIO PARRO VELASCO.

Colegio Mixto Experimental Francisco Campos Coello.

Rector: Dr. RIGOBERTO ORTIZ BERMEO.

Instituto de Ciencias Naturales (*Institute of Natural Sciences*).

Director: LUCAS KRAGLIEVICH.

UNIVERSIDAD NACIONAL DE LOJA

APDO. 54, LOJA

Telephone :477.

Loja University was founded in 1896 by Gen. Eloy Alfaro as the Junta Universitaria with one Faculty, that of Jurisprudence. In 1944 the President of Ecuador, Dr. Carlos Arroyo del Río, raised the College to the status of a University, with Faculties of Law and Science.

Rector: Dr. ALFREDO MORA REYES.
Secretary-General: Dr. ANGEL R. MORALES SOTOMAYOR.
Librarian: Srta. NELLY JARAMILLO C.

Library contains 3,500 volumes.
Publication: *Revista Universitaria de Loja* (official organ).

DEANS:

Faculty of Law: Dr. ERNESTO RODRÍGUEZ WITT.
Faculty of Science: Ing. ALFONSO VALDIVIESO CARRIÓN.
Faculty of Education: Dr. GUSTAVO A. SERRANO.

PROFESSORS:

Faculty of Law:
AGUIRRE APOLO, MARCO, General Economics and Statistics
AGUIRRE ASANZA, MANUEL J., Code of Criminal Proceedings
AGUIRRE RUIZ, TOMÁS, Administrative and Municipal Law
AGUIRRE SÁNCHEZ, MIGUEL S., Civil Code—Estates and Liabilities
ANDA AGUIRRE, ALFONSO, English Law
ARMIJOS, CARLOS A., Economic Policy and Treasury Law
BERMEO VALDIVIESO, JOSÉ M., Civil Code
CASTILLO CARRIÓN, JORGE, General Sociology and Sociology of Ecuador
COSTA ZABALETA, FRANCISCO, Mercantile Law
CUEVA SERRANO, JUAN, Land Law of Ecuador, International Public Law
GARCÍA VALDIVIESO, ENRIQUE, Legal Psychology, Forensic Psychiatry, Medical Law
MONTESINOS V., JOSÉ M., Financial Law
MORA REYES, ALFREDO, Civil Law Procedure
MORA REYES, JOSÉ M., Political Science and Constitutional Law
ORTEGA, JARAMILLO RUBÉN, Style and Grammar
PEÑA CELI, FRANCISCO, Comparative Law
RENGEL VALDIVIESO, JORGE H., Criminal Law
RODRÍGUEZ WITT, ERNESTO, Labour Code and Social Law
SUÁREZ BURNEO, JORGE, History of Law, Judicial Philosophy

Faculty of Science:
ALVAREZ, OCTAVIO, Agricultural Entomology
AUGUSTO GUERRERO, CÉSAR, Pathology and Clinical Medicine
BOLÍVAR CELI, JORGE, Parasitology
BRICEÑO BURNEO, ARTURO, Fruit-growing
BURNEO ARIAS, VICENTE, Microbiology and Histology
BURNEO RIOFRÍO, EDUARDO, Agrarian Law, Rural Administration, Accountancy
CEVALLOS, CUEVA, EDGAR, Descriptive Anatomy, Animal Genetics
GARCES, NELSON, Plant Genetics
GUTIÉRREZ ROMERO, CÉSAR, Surgical Pathology, Surgery and Animal Obstetrics
HERRERA ROJAS, NÉSTOR, General Agriculture
HUGO LOAIZA, VÍCTOR, Agricultural Microbiology
JIMÉNEZ, NEPTALÍ, Pathology
MORA ORTEGA, BERNARDO, Mathematics
PUERTAS ARIAS, EDUARDO, General and Organic Chemistry
RIOFRÍO, IVÁN, Physics, Meteorology
RODRÍGUEZ ALVARADO, RAFAEL, Topography
SAMANIEGO RODRÍGUEZ, GUSTAVO, Aviculture
SÁNCHEZ RAMÍREZ, JULIO, Horticulture
SEMPERTEGUI V., EDUARDO, Animal Zootechnics
SERRANO GALARZA, GUILLERMO, Biological Chemistry
VALDIVIESO CARRIÓN, ALFONSO, Statistics, Animal Feeding
VIVAR CASTRO, LUIS F., Infectious Diseases

Faculty of Education:
BURNEO, ALFONSO, Biology
CABERA, MANUEL, Physics
CASTILLO, CLOVODEO, General History, History of America
EGUIGUREN, RAMÓN, Analytical Geometry, Infinitesimal Calculus
ESPINOSA, CARLOS M., General Literature, Spanish and Style
GARCÍA, JOSÉ, Trigonometry, Algebra
GONZÁLEZ, HUGO, Anatomy, Physiology
IVÁN CUEVA, JUAN, English
LASO, LUCIANO, Philosophy, Practical Teaching
MORA REYES, JOSÉ M., Educational Theory
ORTIZ, GUSTAVO, Latin, Spanish Language
OSWALDO CUEVA, PÍO, Economic, Political and Social Problems of Ecuador
PEÑARRETA, MIRYAM DE, General Methodology
POZO, HOMERO, Geography
REYES, VÍCTOR M., Psychology
ROMO, ALFONSO, Organic and Inorganic Chemistry
SALAS, MARIO, Pedagogy
SERRANO, GUSTAVO, World Literature, Aesthetics
SILVERIO, NÉSTOR, Physics
SOLANO, BEATRIZ, Botany and Zoology
TORRES, ELOY, American History
VALDIVIESO, ROGELIO, Spanish Language
YEPES, NÉLSON, Analytical and Quantitative Chemistry
ZÁRATE, MANUEL, Goemetry

UNIVERSIDAD TÉCNICA DE MANABÍ
(Manabi Technical University)

CASILLA 82, PORTOVIEJO, MANABI

Telephone: 665.

Founded 1952.

Rector: Ing. PAULO EMILIO MACÍAS.
Secretary: Dr. PACO DELGADO L.
Librarian: MARÍA ANGELA CEDEÑO.

Number of teachers: 52.
Number of students: 260.

DEANS:

Faculty of Agricultural Engineering and Veterinary Medicine: Dr. GABRIEL MANZO Q.
Faculty of Mathematics, Physics and Chemistry: Ing. LEONCIO ZORRILLA.

PROFESSORS:

Faculty of Agricultural Engineering and Veterinary Medicine:
BERMÚDEZ, SÓCRATES
CEVALLOS, JAIME
DE MOREIRA, HOLANDE P.
DELGADO R., BAUDILIO
EGUEZ, HUGO
HIDALGO V., IGNACIO
HIDROVO Z., GONZÁLEZ
LEVOYER S., ALFONSO
LUQUE, GUIDO
MACIAS S., PAULO E.
MERA S., JOSÉ
RIVAS L., ITALO
RUBIO T., RAMÓN
VÁSQUEZ GUZMÁN, JORGE
VILLAVICENCIO M., HONORIO

Faculty of Mathematics, Physics and Chemistry:
CARDENAS A., RAMIRO
DELGADO O., CÉSAR
MENA A., ALFREDO
MUÑOZ G., JOSÉ
PUGA, JOSÉ
ZORRILLA, LEONCIO

ESCUELA POLITÉCNICA NACIONAL
(National Polytechnic School)

AV. GRAN. COLOMBIA 194, Y GANDARA, QUITO

Founded 1879.

Rector: Ing. J. RUBÉN ORELLANA.
Vice-Rector: Ing. GALO MONTAÑO.
Secretary: HUMBERTO TOSCANO.

Number of teachers: 61.
Number of students: 539.

DEANS:

Faculty of Electrical Engineering: Ing. VICENTE JÁCOME.
Faculty of Chemical Engineering: Dr. GERARDO RUESS.
Dept. of Radio-Isotopes (Medicine): Dr. RODRIGO FIERRO.
Dept. of Radio-Isotopes (Agriculture): Dr. LUIS W. LEVY.
Dept. of Zoology: Prof. GUSTAVO ORCÉS.
Faculty of Mechanical Engineering: (Vacant).

ESCUELA SUPERIOR POLITÉCNICA DEL LITORAL

CASILLA 5863, GUAYAQUIL

Founded 1958.

Director: Ing. JORGE GAGLIARDO BRYANT.
Secretary: ADALBERTO ORTIZ.
Librarian: CARLOS ZAMBRANO VERA.

Number of teachers: 41.
Library: 5,000 volumes.
Publications: *Boletín Informativo de la Escuela Superior Politécnica del Litoral* and *Noticiero Politécnico* (student paper).

HEADS OF DEPARTMENTS:

Mathematics: Ing. NICOLÁS LEÓN PIZARRO.
Physics: Ing. GUILLERMO CASTILLO.
Chemistry: Dr. JULIO MARTRUS MERRIL.
Mechanical Engineering: Ing. GUILLERMO SOLÓRZANO.
Marine Engineering: Ing. MARCELO ARCOS.
Electrical Engineering: Ing. ALFONSO DELFINI.
Geological, Mining and Petroleum Engineering: Ing. SERGIO AGUAYO.

PROFESSORS:

AGUIRRE, Ing. ANTONIO
ALBÁN, Ing. GUILLERMO
ALVEAR, Ing. RODRIGO
AULESTIA, Ing. JOSÉ
BAQUERIZO, Dr. ALFREDO
BARRET, Ing. JOHN
BÉJAR, Arq. ROBERTO
CAJAS, Ing. ALEJANDRO
COLLIN, Ing. HANS
CUVI, Ing. ALFREDO
DELFINI, Ing. RICARDO
FRYDSON, Ing. OSSIAN
GARCÉS, Ing. VÍCTOR
GRANADO, VÍCTOR
JALIL, ALFONSO
KRAGLIEVICH, Dr. JORGE
KROCHIN, Ing. VSEVOLOD
MACCAFERRI, Arq. FRANCISCO
MARURI, Ing. RAÚL
MEYER, Ing. WILHEM
ORTIZ, Ing. HOMERO
PONCE, Ing. ENRIQUE
PUENTE, Ing. JAIME
SALVADOR, Ing. MARCO
SOLINES, ANTONIO
SOTOMAYOR, Ing. BENIGNO
TOBAR, Ing. HUGO
TORRES, Lcdo. LUIS F.
WILLIAMS, Ing. ERIC
WONG, Ing. GREGORIO

COLLEGES

Colegio Nacional "24 de Mayo", Quito: Quito; f. 1934; an experimental institution for women's higher education; assisted by UNESCO; departments of modern humanities for students preparing for universities and commerce, administration and professional training; Rector Dra. MARÍA A. CARILLO DE MATA M.; number of teachers 70; number of students 1,500; publ. *Problemas de Eduacación Secundaria.*

Latin American Center for Advanced Studies in Journalism: Quito; f. 1960 with UNESCO aid; Dir. GEORGE FERNÁNDEZ.

Colegio Nacional "Vincente Rocafuerte": Guayauqil; f. 1847; library of 13,000 vols.; publ. *Revista.*

SCHOOLS OF ART AND MUSIC

Conservatorio Nacional de Música, Arte Escénico y Coreografía (*National Academy of Music, Scenic Arts and Choreography*): Universidad Central, Apdo. 274, Quito; f. 1900; library of 2,500 vols.; Dir. GERARDO ALZAMORA V.; Sec. VÍCTOR HINOSTROSA M.; number of students 150 men, 220 women.

Escuela Nacional de Bellas Artes (*School of Fine Arts*): Universidad Central, Quito; Dir. DIÓGENES PAREOES.

Academia de Bellas Artes "Remigio Crespo Toral": Cuenca; Dir. Dr. LAURO ORDÓÑEZ ESPINOZA; teaching staff 4.

Conservatorio de Música "José María Rodríguez": Cuenca; Dir. Prof. RAFAEL SOJOS JARAMILLO; teaching staff 11.

Escuela Superior de Música (*Higher School of Music*): Universidad de Loja, Loja; Dir. JOSÉ MARÍA BUSTAMENTE.

EL SALVADOR

Population 2,510,984

ACADEMIES

San Salvador

Academia Salvadoreña (*San Salvador Academy*): 4th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid.

Director: ENRIQUE CÓRDOVA.
Vice-Director: RAÚL CONTRERAS.
Secretary: ALBERTO RIVAS BONILLA.
Treasurer: HERMÓGENES ALVARADO.

MEMBERS:

AVILA, JULIO ENRIQUE
BARÓN CASTRO, RODOLFO
CASTRO RAMÍREZ, FRANCISCO JOSÉ.
ESCOBAR SERRANO, HÉCTOR
ESCALÓN, JOSÉ
FAGOAGA, MANUEL ALFONSO
FAUSTO FERNÁNDEZ, JULIO
FORTÍN MAGAÑA, ROMERO
GALINDO POLH, REYNALDO
GALLEGOS VALDÉS, LUIS
LINDO, HUGO
MARTÍNEZ MORENO, ALFREDO.
RODRÍGUEZ RUIZ NAPOLEÓN
ROMAN PENA, MIGUEL
ROSALES, DAVID
URQUÍA, MIGUEL RAFAEL
VIEIRA ALTAMIRANO, NAPOLEÓN

Academia Salvadoreña de la Historia (*San Salvador Academy of History*): f. 1925; Dir. MANUEL CASTRO RAMÍREZ; Sec. JULIO ENRIQUE AVILA; correspondent of the Real Academia de la Historia, Madrid.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

San Salvador

Asociación Centroamericana de Anatomía (ACA): Dpto. de Anatomía, Escuela de Medicina, Final Calle Arce; f. 1964; 33 mems. from Costa Rica, Guatemala, Honduras, Nicaragua, Panamá and El Salvador; Pres. Head of Anatomy Dept. of each National University in turn for a two-year term, 1965: Dr. JUAN HÉCTOR BERRÍOS; Sec.-Gen. Dr. MANUAL F. SIGARÁN; the headquarters will pass to Costa Rica in October 1965.

Asociación de Abogados de El Salvador (*Association of Lawyers of El Salvador*): 19 Avenida Norte 125; f. 1950; 135 mems.; Sec. EDUARDO ALFREDO CUELLAR; publ. *Derecho* (review).

Ateneo de El Salvador: 4A Avenida Norte y 1A Calle Oriente; f. 1912; library of 2,600 vols.; 30 mems., 95 corresponding mems.; Pres. Dr. ARISTIDES PALACIOS; Sec.-Gen. BRAULIO PÉREZ MARCHANT.

Comisión Salvadoreña de Energía Nuclear (*COSEN*): f. 1961: to consider the applications in medicine, agriculture and industry of radio-isotopes and nuclear energy.

Dirección General de Estadística y Censos (*Statistics Office*): Calle Arce 1006; f. 1881; Dir. Tte. Cnel. JOSÉ CASTRO MELÉNDEZ; publs. *Anuario Estadístico, Boletín Estadístico, Mejicanos y Villa Delgado, Indice de Precios al Consumidor Obrero para San Salvador.*

Dirección de Sanidad: f. 1900; Dir. JUAN ALLWOOD PAREDES; publ. *Sanidad en El Salvador* (quarterly).

Instituto Indigenista de El Salvador (*Institute for Indian Affairs*): publ. *Boletín.*

Instituto Tropical de Investigaciones Científicas (*Tropical Institute of Scientific Research*): Apdo. 740; f. 1950; study of natural phenomena; Dir. Dr. ARISTIDES PALACIOS; Sec. AIDA CABEZAS O.; publ. *Anuario, Comunicaciones, Informaciones, Manual de las Aves de El Salvador.*

Parque Zoológico Nacional (*National Zoological Park*): El Modelo; f. 1953; Dir.-Admin. EDWARD FISCHER.

Centro de Estudios e Investigaciones Geotécnicas: P.O. Box 109, San Salvador; reorganised 1964; Departments of Seismology, Soil Mechanics, Building Materials, Minerals, Geological Surveys; Dir. Eng. EDGAR PARKER ESCOLÁN.

Servicio Meteorológico Nacional de El Salvador, C.A.: Ministerio de Obras Públicas, 23 Avenida Norte No. 114, San Salvador; f. 1953; formerly Observatorio Nacional Meteorológico y Sismológico, f. 1889; Dir. Ing. HELMUT LESSMANN; Sections: Synoptic and Aeronautical Meteorology, Climatology, Hydrometeorology, Agrometeorology; publs. *Boletín Meteorológico de El Salvador, Almanaque Salvadoreño, Carta del Tiempo, Observaciones Sinópticas de 78-663 San Salvador-Ilopango-International Airport, Publicaciones Técnicas del Servicio Meteorológico Nacional de El Salvador.*

Santa Tecla

Dirección General de Investigaciones Agronomía: Centro Nacional de Agronomía.

LIBRARIES

San Salvador

Biblioteca Ambulantes, Ministerio de Educación: 8a Ave. Sur No. 15; f. 1951; 25,000 vols.; Librarian ARTURO SALAZAR SIGUENZA.

Biblioteca Central, Universidad de El Salvador: 7a Ave. Sur 124; f. 1847; reference and lending library; 5,000 vols.; Dir. DONATILA ESCOBAR.

Biblioteca Centroamericana, Organización de Estados Centro-americanos: Paseo Escalón; f. 1955; Librarian SALVADOR MENDIETA.

Biblioteca del Ministerio de Economía: Departmento de Estudios Económicos; f. 1950; 14,000 vols.; Librarian ROBERTO GALEANO Y SOMOZA.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): 10,000 vols.; Librarian MANUEL ANTONIO LÓPEZ.

Biblioteca Nacional (*National Library*): 8A Avenidas Norte No. 228; f. 1870; 79,000 vols., 852 periodicals; collection of early 19th-century works relating to Central and South American States; Dir. GUILLERMO MACHÓN DE PAZ; publ. *Anaqueles* (irregularly).

MUSEUMS

San Salvador

Museo Nacional "David J. Guzmán" (*National Museum*): Carretera Internacional Franklin Delano Roosevelt; f. 1883; Dir. TOMÁS FIDIAS JIMÉNEZ; specialises in history, archæology, ethnology, linguistics; publs. *Anales del Museo Nacional "David J. Guzmán"* and *Revista Tsunpame* (quarterly).

Parque Zoológico Nacional y Jardín Botánico: "Finca Modelo"; f. 1961; houses natural science museum.

UNIVERSITY

UNIVERSIDAD NACIONAL DE EL SALVADOR
(National University)

7A AVENIDA SUR 15, SAN SALVADOR

Telephone: 3400.

Rector: Dr. FABIO CASTILLO.

Vice-Rector: Dr. M. GONZÁLEZ GUERRERO.

Secretary-General: MARIO FLORES MACALL.

Number of students: 3,300.

DEANS:

Faculty of Jurisprudence and Social Science: ADOLFO OSCAR M.

Faculty of Medicine: JOSÉ KURI.

Faculty of Chemistry and Pharmacy: FLORA ESPINOZA.

Faculty of Odontology: JULIO OSCAR NOVOA.

Faculty of Engineering: Ing. BALTASAR PERLA.

Faculty of Humanities: Dr. ALEJANDRO DAGOBERTO MARROQUÍN.

Faculty of Economics: JORGE SOL CASTELLANOS.

Faculty of Agriculture: f. 1965.

PROFESSORS:

Faculty of Jurisprudence and Social Science:
ARIAS, FRANCISCO A., History of Juridical Institutions
ARRIETA GALLEGOS, FRANCISCO, Civil Procedure and Cassation Law
AVELAR, FELICIANO, Labour Law and Legislation
BRANNON, MAX P., Administrative Law and Political Economy
CASTRO PEÑA, JORGE, Roman Law
CASTRO RAMÍREZ (h), MANUEL, Criminology and Penal Procedure
CUÉLLAR MILLA, ROBERTO E., Civil Law
DÍAZ JUAN RAMIRO, Forensic Medicine
DOMÍNGUEZ SUSA, JULIO A., History of Judicial Institutions
FERNÁNDEZ, JULIO FAUSTO, Sociology and Philosophy of Law
HIDALGO QÜELH, GUILLERMO, Procedural Law
JIMÉNEZ, HÉCTOR E., Civil Law
LEITZALAR, ROBERTO, Civil Law and Roman Law
LIMA, FRANCISCO R., Labour Legislation
LÓPEZ, CÉSAR E., Forensic Medicine
LUNA, PEDRO E., Commercial and Mercantile Law
MÉNDEZ, JOSÉ M., Introduction to Law and Criminology
MERLOS, SALVADOR R., Political Law and Constitution
MIRANDA, ADOLFO O., Civil Law
NÚÑEZ, ERNESTO A., International and Diplomatic Law
PANIAGA, JOSÉ I., Civil Law
ROCHAC, ALFONSO, Public Finance
RODRÍGUEZ PORTH, JOSÉ A., Introduction to Philosophy
RODRÍGUEZ RUIZ, NAPOLEÓN, Civil Law
SALINAS ARIZ, JOSÉ, Statistics
TRIGUEROS (h), GUILLERMO, Civil Law
VASSILIU HIDALGO, THONY, Sociology
VEGA GÓMEZ, FRANCSICO, Private International Law
ZELEDÓN CASTRILLO, ARTURO, Civil and Notarial Law

Faculty of Medicine:
ALLWOOD PAREDES, JUAN, Hygiene and Public Health
AREVALO, ROBERTO, Biology
ARGUELLO, RAÚL, Radiology
AVILÁ FIGUEROA, ALBERTO, Medical Pathology
CORTÉS MARTÍNEZ, SATURNINO, Descriptive Anatomy
ESCAPINI, HUMBERTO, Ophthalmology
GONZÁLEZ BONILLA, CARLOS, Clinical Surgery
GONZÁLEZ GUERRERO, JOSÉ, Gynæcology
JIMÉNEZ, ROBERTO A., Pathological Surgery
LAZO GUERRA, ANTONIO, Obstetrics
MACIAS, LUIS A., Semeiological Surgery
LLORT, JUAN, Pædiatrics
MARTÍNEZ, J. RICARDO, Pharmacology, Phthisiology and Materia Medica
MASFERRER, ROBERTO, Pathological Anatomy
MENDOZA, LÁZARO, Medical Pathology and Semeiology
MOLINA, MIGUEL A., Biochemistry
MORÁN, FRANCISCO, Spanish
NOUBLEAU, VÍCTOR M., Oto-Rhino-Laryngology
ORELLANA VALDÉS, ROBERTO, Clinical Obstetrics
POSADA, VÍCTOR M., Physiology
POSADA (h), RICARDO, Pathological Surgery and Cancerology
RIVAS BONILLA, ALBERTO, History of Medicine, Forensic Medicine and Toxicology
VÁSQUEZ, LUIS E., Therapeutics and Clinical Medicine

Faculty of Chemistry and Pharmacy:
ALVARADO, ELIAS, Deontology and Pharmaceutical Legislation
AMAYA, LUIS A., Zoological Pharmacy
ANAYA, MIGUEL A., Technology
ANGEL, PEDRO A., Hydrostatics, Heat and Acoustics
ARAÚZ RODRÍGUEZ, RAFAEL, Geology and Mineralogy
CAMPOS, ANDRÉS A., Quantitative Mineral Analysis
CARÍAS, LUIS ANDRÉS, Mineral Chemistry
CASTRO SCHOTT, RAFAEL, General Chemistry and Physio chemistry
CASTRO SIGUENZA, JOSÉ, Introduction to Study
ECHEGOYEN, SANTIAGO, Analytical Geometry
ESCAMILLA, MANUEL L., Introduction to Philosophy
GONZÁLEZ SUVILLAGA, FRANCISCO, Materia Medica
JULE, VICTORINO, Applied Accountancy
LAHUD, MIGUEL A., Organic Analysis
LÓPEZ SALAZAR, ROBERTO, General Chemistry
MACHADO, ROBERTO A., Organic Chemistry
MARÍN, BÁRBARA DE, English
MENJÍVAR, ALIRIO, Food Analysis
MONTOYA PARADA, PABLO, Medical Analysis
MONTOYA PARADA, RAÚL, Chemistry and Analytical Biology
MORÁN RAMÍREZ, JULIO C., Organic Chemistry
ORTÍZ, VÍCTOR, Analytical Toxicology
REYES, PEDRO A., Algebra and Geometry
SALINAS ARIZ, MANUEL, Pharmaceutical Technology
SANTOS, MARIO A., Parasitology and Bacteriology
TRUJILLO Y ORTÍZ, LEÓN, Organic Chemistry

Faculty of Odontology:
ACEVEDO, RICARDO, Anæsthetics and Exodontics
ALFARO, DANIEL A., Operative Medicine
ARGUELLO LOURCEL, ERNESTO, Oral Surgery, Orthodontics, Paradentosis
CÓRTEZ, SATURNINO, General Anatomy
COTERA, JOSÉ DE LA, Pathology
CUÉLLAR, ROBERTO, General Anatomy
GONZÁLEZ C., ENRIQUE, Crowns and Bridges
HERNÁNDEZ, J. SALVADOR, Technical Prosthesis
LEVY VAN SEVEREN, H., Bacteriology and Parasitology
LÓPEZ, ATILIO H., Operative Odontology
MAGAÑA, MARCO TULIO, Physics and Biochemsitry
MARTÍNEZ, J. RICARDO, Physiology and Pathology
PRADO MÉNDEZ, JOSÉ, Clinical Surgery
RECINOS CEA, CARLOS, Operative Odontology and Radiology
RIVAS ARTHÉS, JOSÉ, Therapeutics and Materia Medica
ROMERO HERNÁNDEZ, ERNESTO, Oral Diagnosis
ROMERO HERNÁNDEZ, NAPOLEÓN, Histology and Dental Embryology
SALINAS ARIZ, ROBERTO, Dental Materials
SAMPERA B., ALFONSO, Clinical Surgery
VILLALTA, HUMBERTO U., Sanitary Odontology
ZAVALETA, BENJAMÍN, English
ZEPEDA (h), CARLOS, Dental Materials

Faculty of Engineering:
AMAYA, EFRAÍN, Applied Hydraulics
BAÑOS PACHECO, OSCAR, Statistics
CARTAGENA, GUSTAVO, Analysis
CHIRINGHELLO, CARLOS, Topography
CORDERO, RAFAEL, Drawing
ESCOBAR, ENRIQUE, Calculus
FLORES, SAÚL, Spanish
GALLEGOS, FRANCISCO A., Applied Legislation
GARCÍA ROSSI, ERNESTO, Drawing
GARCÍA, MARIANO, History of Art
GUILLÉN CH., ALFREDO, Concrete Building
KATSTALLER, KARL, Blue Prints
KURI, EDMUNDO, Drawing
MARÍN, BÁRBARA DE, English
MARTÍNEZ, NÉSTOR, Physics
MINASI, ANTONIO, Hydraulic Works
NUILA MACAY, EDWIN, Stability
PAREDES, PABLO, Highways
POCASANGRE, ARNOLDO, Analysis
REINOSA, JUAN J., Mechanics and Dynamics
RETTER, HENRY H., Architectural Planning
REYES, OSCAR, Drawing
REYES, PEDRO A., Chemistry
RODRÍGUEZ, ALEJANDRO F., Technical Description
ROMERO, RENATO, Technical Composition
SALAZAR, ROBERTO, Reinforced Concrete
SANTANA, MANUEL F., Sanitary Engineering
SANTANA, RICARDO, Resistance of Materials
SANTOS VILLATORO, JOSÉ, Mathematics
SEAMAN, ANTONIO, Physics
SUÁREZ, EDGARDO, Electrotechnics
URRUTIA EVANS, EDUARDO, Procedure of Building
VALDÉS, VÍCTOR M., Statistics

Department of Agronomical Engineering:
- ARGUETA, MARIO E., National Resources
- CABEZAS RIVAS, RICARDO, Agricultural Machinery
- CANO, JUAN, Agricultural Research
- CLEVES, RODRIGO, Storage and Conservation of Grain
- DOMÍNGUEZ, RICARDO, Coffee Marketing
- DURÁN, ENRIQUE, Rural Building
- FLORES, MIGUEL A., Sugar Cane Growing
- GALVÁN, JOSÉ G., Resistance of Materials
- LESMAN, HELMUTH, Meteorology
- MARTÍNEZ SALOMÓN E., Statistics
- MUYSHONDT, ROGELIO, Sugar Mills
- OLMEDO, ROBERTO, Animal Genetics
- SALEGIO, OSCAR R., Drains and Irrigation
- TENORIO, HERNÁN, Agricultural Economy
- VILANOVA, TOMÁS, Coffee Plantation

Faculty of Humanities:
- CHAVARRÍA FLORES, MANUEL, General Didactics
- ECHEGOYÉN, SANTIAGO, Cosmography
- ESCAMILLA, MANUEL L., History of Philosophy and Culture
- ESCOBAR BUSTAMENTE, E., Integral Calculus
- FERNÁNDEZ, JULIO F., Metaphysics, Philosophy, Theory of Knowledge
- GARCÍA VILLAS, MARIANO, Anthropology, Philosophy of Science
- GÓCHEZ MARÍN, ANGEL, Legal Notions
- HERNÁNDEZ SEGURA, R. E., Statistical Methods
- HUERTAS GARCÍA, ALFREDO, History of Spanish Literature
- LANDARECH, Rev. ALFONSO M., Spanish Grammar
- LEPIDUS, HENRY, English, Composition and Translation of Spanish
- MARÍN, BÁRBARA DE, English
- MEJÍA, JULIO B., Mental Assessment
- PFEIFER, F., Algebra and Contemporary Sciences
- ROCHAC, ALFONSO, Economics and Statistics
- STAHEL, ALBERT W., Logistics, Psychology, Mental Hygiene, Psychodiagnostics
- STEE, MARJORIE, Phonetics and Elocution
- ULLOA MORAZÁN, ESTEBAN, English

Faculty of Economics:
- ANAYA, MANUEL A., Economics and Legal Notions
- BEATRÍZ, ALFONSO M., Economic and Concular Legislation, Public Finance
- CARILLO, RENÉ S., Introduction to Economics
- CHÁVEZ, FIDEL A., Algebra and Plain Trignometry
- CRIOLLO, JOSÉ L., General Accountancy
- CUÉLLAR ORTÍZ, VÍCTOR M., International Commerce
- DUARTE, ROLANDO, Introduction to Economics
- ECHEGOYÉN, SANTIAGO, Mathematics
- ESCOTO, RICARDO, History of Economics
- FERNÁNDEZ, JULIO F., Sociology
- FLORES, ULISES, History of Economic Doctrine
- HERNÁNDEZ SEGURA, ROBERTO E., Economic Problems of Central America
- MARTELL, EUSEBIO, Theory of Crisis
- MORALES FLORES, ARTURO, Theory of Currency and Credit
- MORÁN, FRANCISCO, Universal History
- PANIAGUA, JOSÉ I., Mercantile Law
- PILOÑA ARAUJO, GABRIEL, Economic Geography
- RODRÍGUEZ (h), ABRAHAM, Labour Law and Social Security

COLLEGES

Escuela de Servicio Social de El Salvador (*El Salvador School of Social Service*): 5A Calle Poniente 119, San Salvador; f. 1953.

Director: JOSÉ RAÚL CALDERÓN.

Number of teachers: 29.
Number of students: 53.

Escuela Normal Superior: 10A Avda. Sur 151, San Salvador.

Escuela Nacional de Comercio: 6A Calle Oriente 34, San Salvador.

ETHIOPIA

Population 20,000,000

ACADEMY

Imperial Ethiopian Academy: Addis Ababa; f. 1959; to encourage correct usage in vocabulary, grammar and style and to publish a dictionary of the Amharic language and various other bulletins, monographs and studies; special attention will be paid to the translation of foreign scientific and technical terms used in research, education, industry and commerce; an official system of transliteration into and from the Amharic and Latin alphabets will be prepared by the Academy; support for the enterprise is being undertaken by UNESCO.

LEARNED SOCIETIES

British Council: P.O. Box 1043, Addis Ababa; f. 1940; Representative P. G. LLOYD.

Deutsches Kultur-Institut: P.O.B. 1193, Addis Ababa; f. 1962; Dir. Dr. ROLF RAUSCHENBACH.

Ethiopian Medical Association: P.O. Box 2179, Addis Ababa; f. 1961; Pres. Dr. DEMISSIE HABTE; publ. *Ethiopian Medical Journal* (quarterly).

Ethnological Society: Haile Sellassie I University, P.O. Box 1176, Addis Ababa; f. 1951; aims to record the patterns of everyday life of the peoples from different provinces and to collect the artistic products of Ethiopian folklore; publ. *Ethnological Society Bulletin* in English and Amharic.

Forestry Research Institute: Haile Sellassie I University, P.O. Box 1176, Addis Ababa; f. 1962; Dir. Dr. K. BREHME; publ. *Timbers of Ethiopia* (irregular.)

Geographical Observatory: Haile Sellassie I University, P.O. Box 399, Addis Ababa; f. 1958; located on the magnetic equator, for study of geomagnetic transients and the equatorial electrojet; also for study of the seismicity, geotectonics and gravity anomalies of the Ethiopian Rift System; Dir. P. GOUIN, M.SC., F.R.A.S.; publs. *Bulletin of the Geographical Observatory* and *Contributions from the Geophysical Observatory* (irregular).

Institut Ethiopien d'Archéologie: P.O. Box 1907, Addis Ababa; conducts archæological excavations at Axoum, Yeha, Matara, Adoulis and is compiling a notebook of historical geography; Minister in Charge H.E. ATO KEBBÉDÉ MIKAEL; Director Gen. ATO ADMASSOU CHIFERAW; Archæologist FRANCIS ANFRAY; Philologist ROGER SCHNEIDER; Prehistorians GERARD BAILLOUD and JEAN CHAVAILLON; publs. *Annales d'Ethiopie* (twice-yearly review), *Tarik* (review).

Institute of Ethiopian Studies: Haile Sellassie I University, P.O. Box 1176, Addis Ababa; f. 1963; advanced study and research centre; library and ethnological-historical museum; Dir. Dr. RICHARD PANKHURST; Librarian and Curator STANISŁAW CHOJNACKI; publs. include *Journal of Ethiopian Studies* (bi-annually), *Register of Research on Ethiopia and the Horn of Africa* (annual), and *Current Bibliography in Ethiopia* (annual).

Istituto Italiano di Cultura: P.O. Box 3265, Addis Ababa; f. 1960; Dir. Prof. GIOVANNI BATTAGLIA.

U.S. Information Center: Patriots' Street, P.O. Box 1014, Addis Ababa; Avenue Ras Alula 44, Asmara.

LIBRARIES

American Library: P.O. Box 2059, Addis Ababa; f. 1950; 7,000 vols.

Asmara Public Library: 20 Haile Selassie I Ave., Asmara; f. 1955; 5,200 vols.

British Council Library: P.O. Box 1043, Addis Ababa; 9,600 vols.

National Library: P.O. Box 717, Addis Ababa; f. 1944; 63,000 vols.; Dir. KANAZMATCH ZAWDE TADESSE; Librarians: H. W. LOCKOT, YEMANEHE WALELEGNE.

University Library: P.O. Box 399, Addis Ababa; f. 1950; 92,000 vols.; collection includes rare books, pamphlets and maps on Ethiopia published abroad; special attention is paid to the collection of books in the Amharic language; Librarian RITA PANKHURST.

MUSEUMS

Musée Archéologique: c/o Institut Ethiopien d'Archéologie, P.O. Box 1907, Addis Ababa; Minister-in-Charge H.E. ATO KEBBÉDÉ MIHAEL.

Museum of the Institute of Ethiopian Studies: Haile Selassie I University, P.O. Box 1176, Addis Ababa; f. 1952; ethnological collections, including Ethiopian implements, clothes, weapons and pottery. A complete set of coins of Harar is of special historical value; botanical and natural history collections, especially of lepidoptera; Curator STANISŁAW CHOJNACKI.

UNIVERSITY

HAILE SELLASSIE I UNIVERSITY

P.O. BOX 1176, ADDIS ABABA

Telephone: 13270

University College founded 1950, University 1961

Chancellor: His Imperial Majesty HAILE SELASSIE I, Emperor of Ethiopia.
President: LIJ KASSA WOLDE MARIAM.
Registrar: A. BEGASHAW.
Librarian: Mrs. R. PANKHURST.

Number of teachers: 308.
Number of students: 1,774.

Publications: *Journal of Ethiopian Studies, Bulletin of Ethnological Society, Bulletin of the Geophysical Observatory,* etc.

DEANS:

Faculty of Arts: ABRAHAM DEMOZ.
Faculty of Education: M. WODAJO.
Faculty of Law: J. C. N. PAUL.
Faculty of Medicine: F. HORWARTH.
Faculty of Science: A. JABOTINSKY.
Building College: NAIQZY GEBREMEDHIN.
College of Agriculture: C. R. KINDELL.
College of Engineering: Y. PETER.
Public Health College: Dr. G. D. CARLSON.
Theological College of Holy Trinity: C. K. JOSEPH.
College of Business Administration: E. PLANTY.
School of Social Work: HELENE CASTEL.

FULL PROFESSORS:

BIRKET-SMITH, S. J. R.
BISSELL, D.
BRAITHWAITE, J. L.
BUCHNEER, S.
CRITCHLEY, M.
GOUIN, P., Geophysics
HESSELGREN, S., Engineering
HORTON, W. J.
JOHNSON, LLOYD
KRECZUNOWICZ, G.
LEITHEAD, C. S.
MANNHEIMER, E.
MILLER, L. F.
MURPHY, H. F., Agriculture
PANKHURST, R.
REDDEN, K. R.
ROBERTS, D.
SAMAAN-HANNA, A., English
SCHOFIELD, F. D.
SHORT, C.
STOKES, M. E., Education
SULDRZYNSKI, J., Political Science
SUMNER, C., Philosophy

Polytechnic Institute: Bahir-Dar; f. 1963; agricultural mechanics, industrial chemistry, electrical technology, wood-working and processing technology, textile technology; 500 students.

FINLAND

Population 4,580,200

ACADEMIES

Suomen Akatemia (*Academy of Finland*): Helsinki, Hallituskatu 1; f. 1948 to promote the highest intellectual culture; the President of the Republic appoints, on the advice of a board of experts, twelve distinguished representatives of science and the arts (nine scientists and three artists) to membership; they receive salaries equivalent to the highest State grade, which enable them to carry out creative work in their own field unhampered by routine duties.

President: PAAVO I. RAVILA (Finno-Ugrian Linguistics).
Secretary: LAURI SAXÉN.

MEMBERS:

AALTO, ALVAR (Architecture).
AALTONEN, WÄINÖ (Sculpture).
HAAVIO, MARTTI H. (Finnish and Comparative Folklore).
ITKONEN, ERKKI ESAIAS
KOKKONEN, JOONAS (Musical Composition).
LAURILA, ERKKI A. (Technical Physics).
NEVANLINNA, ROLF (Mathematics).
PALMÉN, ERIK (Meteorology).
VILKUNA, KUSTAA (Finno-Ugrian Ethnology).
VIRTANEN, ARTTURI I. (Chemistry).
VON WRIGHT, GEORG H. (Philosophy).
WALTARI, MIKA T. (Author).

Suomalainen Tiedeakatemia (*Finnish Academy of Science and Letters*): Helsinki, Snellmaninkatu 9; f. 1908; the library (open to the public) contains approx. 30,000 vols.; publs. *Annales Academiae Scientiarum Fennicae, F.F. Communications, Documenta Historica, Sitzungsberichte (Proceedings)*, etc.

President: EMIL ÖHMANN.
Secretary-General: ESKO SUOMALAINEN.

MEMBERS:

Mathematics and Natural Sciences Section:

YLPPO, ARVO HENRIK (1919).
MYRBERG, PEKKA JUHANA (1921).
VÄISÄLÄ, KALLE (1924).
NEVANLINNA, ROLF HERMAN (1924).
SAALAS, UUNIO (1926).
HEIKINHEIMO, KLAS OLLI (1926).
KERANEN, JAAKKO (1926).
ILVESSALO, YRJÖ (1926).
NEVANLINNA, FRITHIOF EDUARD HENRIK (1927).
AUER, VÄINÖ (1927).
VIRTANEN, ARTTURI ILMARI (1927).
REENPÄÄ, YRJÖ (1928).
SAARI, EINO ARMAS (1928).
HEISKANEN, VEIKKO ALEKSANTERI (1928).
VÄISÄLÄ, VILHO (1932).
VÄISÄLÄ, YRJÖ (1933).
LÖNNROTH, ERIK JOHANNES (1934).
KILPI, SULO TAAVETTI (1936).
KIVIKOSKI, ERNST ENSIO (1936).
LAITAKARI, AARNE VIHTORI (1937)
KUJALA, VILJO VILHO (1942).
SUOMALAINEN, PAAVO (1944).
MEURMAN, MAURI OLAVI (1945).
TOMMILA, EERO AKSELI (1946).
WARIS, HARRY ILMARI (1947).
SUOMALAINEN, ESKO (1947).
LAURILA, ERKKI AUKUSTI (1947).
JÄRNEFELT, GUSTAF JUHANA (1948).
FONTELL, NILS DANIEL (1949).
KIVINEN, ERKKI OSKARI (1949).
NÄSÄNEN, REINO OLAVI (1949).
SAHAMA, THURE GEORG (1949).
NIINI, RISTO ILMARI (1950).
KALELA, AIMO AARNO ANTERO (1950).
VALLE, OTTO FERDINAND (1951).
PESONEN, NIILO NATANAEL (1951).
LEIMU, REINO SULO (1951).
INKERI, KUSTAA ADOLF (1951).
KUKKAMÄKI, TAUNO JOHANNES (1951).
KERPPOLA, WILLIAM (1952).
YLINEN, ARVO ALBIN JOHANNES (1952).
POHJAKALLIO, ONNI AULIS (1953).
LAASONEN, VEIKKO PENTTI JOHANNES (1953).
LAITAKARI, ERKKI ASSAR (1954).
FRANSSILA, MATTI OLAVI (1954).
AARIO, LEO EINO (1954).
TOIVONEN, SULO ILMARI (1954).
VARTIOVAARA, UNTO JOHANNES (1955).
RENKONEN, KARL OLOF (1955).
HIRVONEN, REINO ANTERO (1955).
ERKAMA, JORMA (1955).
ROINE, PAAVO KULTIMO (1955).
PALMÉN, AARNE JOHANNES (1956).
KALELA, EINO ANTERO OLAVI (1956).
KANGAS, MAUNO ESKO (1956).
MIEKK-OJA, HEIKKI MALAKIAS (1956).
TAHVONEN, PAAVO ERIK (1957).
JALAVISTO, EEVA OTTILIA (1957).
SAARINEN, PELLERVO (1957).
TUOMINEN, JAAKKO VILHELMI (1957).
RANKAMA, KAARLO KALERVO (1957).
HELA, ILMO (1959).
HIRSJÄRVI, HEIMO PEKKA (1959).
PALMÉN, ERNST PHILIP (1959).
PUTKONEN, TAUNO ILMARI (1959).
HOVI, VÄINÖ TOIVO (1960).
JÄRVI, OSMO HENRIK (1960).
ERÄMETSÄ, KURT HEIKKI OLAVI (1961).
JAUHO, PEKKA ANTTI OLAVI (1962).
HARTIALA, KAARLO JAKOB WALDEMAR (1962).
LEHTO, ERKKI OLAVI (1962).
MIETTINEN, JORMA KALERVO (1962).
OKKO, VEIKKO OMA TOIVO (1962).
SIIVONEN, LAURI KALERVO (1962).
UOTILA, UNTO UUNO (1962).
VUORELA, LAURI ANTERO (1962).
SARVAS, RISTO OLAVI (1963).
KANTOLA, MARTTI HEIKKI (1963).
HALONEN, PENTTI ILMARI (1963).
SIMONEN, AHTI JOUKO PÄIVIÖ (1963).
VAARAMA, OTTO ANTERO (1964).
JALAS, ARVO JAAKKO JUHANI (1964).
HALLMAN, NIILO OSKAR BIRGER (1965).
JAMALAINEN, EINO ARMAS (1965).
NEUVONEN, KAARLO JUHANA (1965).
VIRTANEN, KAARLO ILMARI (1965).

Humanities Section:

RAPOLA, MARTTI OLAVI (1932).
ÖHMANN, EMIL (1932).
ÄYRÄPÄÄ, AARNE ELIAS (1936).
JUVA, EINAR WILHELM (1936).
MALINIEMI, AARNO HENRIK (1936).
HOLLO, JUHO AUKUSTI (1937).
KATARA, VÄINÖ PEKKA (1941).
KORHONEN, ARVI HEIKKI (1941).
GULIN, EELIS GIDEON (1942).
KOSKIMIES, KAARLO RAFAEL (1944).
RAVILA, PAAVO ILMARI (1944).
HONKASALO, BRYNOLF (1945).
SUVIRANTA, BRUNO KAARLE (1945).

Hakulinen, Yrjö Juho (1946).
Jutikkala, Eino Kaarlo Ilmari (1946).
Itkonen, Toivo Immanuel (1947).
Tudeer, Alf Emil (1948).
Sormunen, Eino Aukusti (1948).
Salomies, Ilmari Johannes (1948).
Tirkkonen, Tauno Juhani Uolevi (1948).
Haavio, Martti Henrikki (1948).
Vilkuna, Kustaa Gideon (1948).
Posti, Lauri Albert (1948).
Itkonen, Erkki Esaias (1948).
Kivimäki, Toivo Mikael (1949).
Räsänen, Arvo Martti Octavianus (1949).
Kivikoski, Ella Margareta (1949).
Biese, Yrjö Mooses Jalmari (1949).
Sovijärvi, Arvi Antti Ilmari (1949).
Väänänen, Veikko Ilmari (1950).
Leppo, Niilo Matti Rafael (1950).
Salonen, Armas Immanuel (1950).
Hakulinen, Lauri Pekka (1951).
Castrén, Erik Johannes Sakari (1951).
Renvall, Pentti Uuno Nathanael (1951).
Lauha, Leevi Aarre Samuel (1951).
Alanen, Aatos Volmar (1952).
Lehtovaara, Arvo Johannes (1952).
Fieandt, Kai Viktor von (1952).
Halila, Aimo Oskari (1952).
Salmiala, Bruno Aleksander (1953).
Nurmio, Yrjö Fredrik (1953).
Luukko, Frans Armas (1953).
Nikolainen, Aimo Tauno (1953).
Ketonen, Oiva Toivo (1953).
Koskenniemi, Matti (1956).
Rekola, Tyyko Aarne Johannes (1957).
Niitemaa, Theodor Vilhelm (1957).
Alanen, Aulis Johannes (1958).
Merikoski, Veli Kaare (1958).
Nirvi, Ruben Erik (1959).
Pettersson, Lars Karl Johan (1959).
Virtanen, Erik Anton (1959).
Penttilä, Aarni Emanuel (1961).
Viljanen, Lauri Sakari (1961).
Mustanoja, Tauno Frans (1961).
Hintikka, Kaarlo Jaakko (1961).
Aalto, Pentti (1962).
Waris, Heikki Tapio (1962).
Ellilä, Tauno Kaarlo (1963).
Kansanaho, Erkki Kalervo (1963).
Kiparsky, Valentin Julius A. (1964).
Nurmela, Tauno Kalervo (1964).
Pirinen, Kauko Anterno (1964).
Suolahti, Jaakko Wilhelm (1964).
Takala, Martti Ilmari (1964).
Ikola, Osmo Kalervo (1965).
Juvo, Mikkp Eomar (1965).
Nieminen, Armas Vilhelm (1965).

Societas Scientiarum Fennica-Finska Vetenskaps-Societeten-Suomen Tiedeseura (*Finnish Scientific Society*): Helsinki, Tammitie 11; f. 1838; publ. *Arsbok-Vuosikirja* (Yearbook), *Commentationes physico-mathematicae, biologicae, humanarum litterarum, Bidrag till kännedom av Finlands natur och folk, Acta A. B. C.*

President: Eric Gustav Anthoni.
Secretary: Prof. Dr. Pontus Palmgren.

Members:

Mathematics and Physics Section:

Eskola, Pentti Eelis (1924).
Wasastjerna, Jarl Axel (1926).
Nevanlinna, Rolf Herman (1927).
Buch, Kurt Karl Wilhelm (1933).
Palmén, Erik Herbert (1934).
Hausen, Hans Magnus (1938).
Simons, Jakob Lennart (1942).
Enkvist, Terje Ulf Eugen (1943).
Stenij, Sten Einar (1945).
Aspelund, Helge Allan Ossian (1945)
Fontell, Nils Daniel (1945).
Järnefelt, Gustaf Juhana (1946).
Elfving, Erik Gustav (1948).
Ekwall, Per (1949).
Ölander, Victor Rafael (1949).
Ringbom, Anders Johan (1952).
Myrberg, Pekka Juhana (1953).
Pipping, Nils Johan (1953).
Laurila, Erkki Aukusti (1955).
Gripenberg, Jarl Mauritz Leonard (1955).
Gustafsson, Carl (Charley) August Fridolf (1955).
Hela, Ilmo (1956).
Törnquist, Leo Waldemar (1956).
Pehrman, Gunnar Edvard (1959).
Af Hällström, Gunnar Johannes (1959).
Donner, Joakim Jalmar (1959).
Vuorela, Lauri Antero (1960).
Lisitzin, Eugenie (1960).
Rankama, Kaarlo Kalervo (1960).
Lindberg, Jarl Johann (1961).
Fogel, Karl-Gustav (1961).
Sundman, Jacobus (1963).

Natural History Section:

Collander, Paul Runar (1929).
Saltzman, Fredrik (1930).
Buch, Hans Robert Viktor (1932).
Krogerus, Rolf (1933).
Frey, Richard Karl Hjalmar (1935).
Palmgren, Pontus (1937).
von Bonsdorff, Bertel Magnus (1939).
Backman, Albin Lennart (1942).
Segerstråle, Sven Gustav (1943).
Wallgren, Ivar (1947).
Cedercreutz, Carl Vilhelm (1948).
Lindberg, Håkan (1948).
von Haartman, Las Arvid Axel (1951).
Marklund, Georg Gunnar (1951).
Sonck, Carl-Eric (1952).
Suomalainen, Esko (1952).
Hustich, Väinö Ilmari (1953).
Kalela, Aimo Aarno Antero (1953).
Hjelmman, Göran (1954).
Räihä, Carl-Eric Emil (1954).
Hackman, Walter Leopold Victor (1955).
Bergman, Göran Gustaf Konstantin (1955).
Luther, Hans Edmund (1955).
Teir, Harald Gustaf (1955).
Langenskiöld, Anders Fabian (1956).
Donner, Kai-Otto (1957).
Kurtén, Björn (1957).
Oker-Blom, Nils Christian Edgar (1957).
Von Numers, Claës Johan (1957).
Waris, Harry Ilmari (1959).
Jalas, Arvo Jaakko Juhani (1959).
Smeds, Helmer (1960).
Landtman, Bernhard (1961).
Af Björkesten, Sune Gunnar Lorenz (1963).
Westermarck, Nils Christian (1963).

Humanities Section:

Nordman, Carl Axel (1942).
Wikman, Karl Robert Villehad (1942).
Pipping, Hugo Rudolf (Rolf) (1942).
Pipping, Hugo Edvard (1944).
Reuter, Ole Roger (1944).
Äyräpää, Aarne Elias (1946).
Numelin, Ragnar Julius (1946).
Anthoni, Eric Gustav (1946).
von Wright, Georg Henrik (1947).
Hemmer, Ragnar Erik (1948).
Zilliacus, Johan Henrik (1948).
Bruhn, Karl (1949).
Knoellinger, Fredrik Carl Erik (1949).
Lindman, Sven Olaf Gustav (1949).
Ringbom, Lars-Ivar Edvin (1950).
Cleve, Nils Joachim Otto (1950).
Ahlbäck, Torvald Olav Otto (1950).
Öhmann, Emil (1952).
Roos, John Erik (1952).
Hirn, Hans (1952).
Hornborg, Eirik Mikael (1953).
Nikula, Karl Oscar (1953).
Rapola, Martti Olavi (1955).
Ravila, Paavo Ilmari (1955).
Biese, Yrjo Moses Jalmari (1955).
Ekelund, Erik Runar Selim (1955).
Taxell, Lars Erik (1955).
Stenius, Erik (1956).
Enckell, Olof Wilhelm Toussaint (1956).
Kiparsky, Valentin Julius Aleksander (1956).
Palmgren, Bo Gustaf (1956).
Gallén, Jarl Wilhelm Erik (1957).

Tegengren, Helmer (1957).
Krusius-Ahrenberg, Helene Charlotte (1960).
Jansson, Jan Magnus (1960).
Jutikkala, Eino Kaarlo Ilmari (1960).
Von Kraemer, Erik Oscar (1960).
Meinander, Carl-Frederik Waldemar (1960).
Vilkuna, Kustaa Gideon (1960).
Allardt, Erik Anders (1961).
Hummelstedt, Arne Eskil (1961).
Kivikoski, Ella Margareta (1961).
Thors, Carl-Eric (1961).
Åström, Sven-Erik Rudolf (1961).
Enkvist, Nils Erik August (1963).
Gyllenberg, Rafael Gideon (1963).
Itkonen, Erkki Esaias (1963).
Thesleff, Berndt Holger (1963).
Westman, Rolf Rainer (1963).
Wolf, Werner Christoffer (1963).
Von Wright, Johan Magnus (1963).

LEARNED SOCIETIES

General

Teiteellisten seurain valtuuskunta (*Delegation of Scientific Societies*): Helsinki, Snellmaninkatu 9-11; f. 1899; Pres. Prof. Dr. Pentli Laasonen; Vice-Pres. Prof. Dr. Pontus Palmgren; Sec. Nils Berndtson, M.A.; Library: *see* Tieteellisten Seurain Kirjasto (*under* Libraries).

Agriculture, Forestry

Suomen Maataloustieteellinen Seura (*Scientific Agricultural Society of Finland*): Helsinki 71, Viikki; f. 1909; 300 mems.; Pres. M. Sipila; Sec. M. Maijala; Librarian M. Tulander (the library contains 20,000 vols.); publs. *Acta Agralia Fennica, Maataloustieteellinen Aikakauskirja.*

Suomen Metsatieteellinen Seura (*Society of Forestry in Finland*): Helsinki, Unioninkatu 40 B; f. 1909 to encourage forest research work in Finland; is composed of persons devoting themselves to the study of forestry and its underlying theory; Pres. P. J. Viro; Sec. Viljo Holopainen; publs. *Acta Forestalia Fennica, Silva Fennica.*

Archæology

Suomen Muinaismuistoyhdistys-Finska Fornminnesföreningen (*Archæological Society of Finland*): Helsinki, Kansallismuseo; f. 1870; about 450 mems. Pres. Ella Kivikoski; Sec. Aarne Kopisto; publs. *Suomen Museo, Finskt Museum, Suomen Muinaismuistoyhdistyksen Aikakauskirja-Finska Fornminnesföreningens Tidskrift, Kansatieteellinen Arkisto.*

Biology

Societas Entomologica Fennica (*Suomen Hyönteistieteellinen Seura*): P.-Rautatienk 13, Helsinki; f. 1935; library; Pres. Prof. E. Kangas; Vice-Pres. Prof. H. V. Kanervo; Sec. Dr. E. Karppinen; publs. *Annales Entomolgici Fennici, Acta Entomologica Fennica.*

Societas pro Fauna et Flora Fennica: Helsinki, Ständerhuset; f. 1821; 600 mems.; the library contains 33 000 vols.; Pres. Dr. K. O. Donner; Sec. Dr. G. Bergman; publs. *Acta Societatis pro Fauna et Flora Fennica, Acta Botanica Fennica, Acta Zoologica Fennica, Memoranda Societatis pro Fauna et Flora Fennica, Fauna Fennica, Flora Fennica.*

Societas Zoologica Botanica Fennica Vanamo (*Suomalainen Eläin-ja Kasvitieteellinen Seura Vanamo*): Helsinki, Snellmaninkatu 9-11; f. 1919 (as students' association 1896); Pres. Risto Tuomikoski; Sec. Annikki Saarisalo-Taubert; Exchange Librarian Jaakko Syrjämäki; publs. *Annales Botanici Fennici, Annales Zoologici Fennici* (quarterly), *Suomen Eläimet (Animalia) Fennica* (irregular), *Luonnon Tutkija* (The Naturalist—5 issues a year).

Suomen Lintutieteellinen Yhdistys (*Finnish Ornithological Society*): Zoological Institute, University of Helsinki; f. 1924; Dir. Dr. Lars von Haartman; Sec. Dr. Olavi Hilden.

Chemistry

Biokemiallinen Tutkimuslaitos (*Biochemical Research Institute*): Helsinki, Kalevankatu 56B; f. 1929; labs. of the Foundation for Chemical Research and of Valio Finnish Co-operative Dairies' Association; the library contains about 6,600 vols.; Dir. Prof. Artturi I. Virtanen, Ph.D.; publ. *Kemiantutkimus-Säätiön vuosikertomus* (Annual Report of the Foundation for Chemical Research).

Finska Kemistsamfundet-Suomen Kemistiseura (*Chemical Society of Finland*): Helsinki, P.O. Box 476; f. 1891; 380 mems.; Pres. J. Johan Lindberg, Dr.Phil.; Sec. Nils-Erik Saris, Dr.Phil.; publs. *Finska Kemistsamfundets Meddelanden, Suomen Kemistiseuran Tiedonantoja.*

Suomalaisten Kemistien Seura (*Finnish Chemical Society*): Helsinki, Erottajankatu 1-3 All; f. 1919; 1,370 mems.; Pres. Matti Antila; Sec. Sakari Kantele; publ. *Suomen Kemistilehti* (monthly).

Economics

Ekonomiska Samfundet i Finland (*Economic Society of Finland*): Helsinki, Kronbergsg. 7; f. 1894; 626 mems.; Pres. Gösta Mickwitz; Sec. Kaj Svensson; publ. *Ekonomiska Samfundets Tidskrift* (quarterly), ed. Hugo E. Pipping.

Kansantaloudellinen Yhdistys (*Finnish Economic Association*): Helsinki, Kirkkokatu 14; f. 1885; Pres. Eino H. Laurila; Sec. Alfred Westphalen; publ. *Kansantaloudellinen Aikakauskirja* (The Finnish Economic Journal) and *Kansantaloudellisia Tutkimuksia* (Economic Studies).

Taloushistoriallinen Yhdistys (*Economic History Society*): Havsgatan 7A 2, Helsinki; f. 1952; studies economic and social history; 59 mems.; Chair. Prof. Eino Jutikkala; Hon. Sec. Prof. Sven-Erik Åström; publ. *Scandinavian Economic History Review* (in co-operation with other Scandinavian societies for the advancement of the study of economic history).

Geography, Geology

Suomen Geologinen Seura (*Geological Society of Finlande* Helsinki, Otaniemi; f. 1886; 425 mems.; Pres. Valto Veltheim; Sec. Matti Edvard Laitala; publs. *Comptes Rendus de la Société géologique de Finlande,* incorp. with *Bulletin de la Commission géologique de Finlande; Geologi* (ten issues a year).

Suomen Maantieteellinen Seura-Geografiska Sällskapet i Finland (*Geographical Society of Finland*): Helsinki, Säätytalo, Snellmanink. 9-11; f. 1888; 950 mems.; the library contains approx. 50,000 vols.; Pres. Vilio Holopainen; Sec. Veijo Heiskanen; Librarian M. Kahla; publs. *Fennia, Acta Geographica and Terra.*

History, Genealogy

Historian Ystäväin Liitto (*Federation of the Friends of History*): Portimopolku 14A, Helsinki; Sec. Fil Dr. Päiviö Tommila.

Suomen Historiallinen Seura (*Finnish Historical Society*): Helsinki, Säätytalo, Snellmanink. 9-11; f. 1875; 300 mems.; the library contains 20,000 vols.; Pres. Prof. Dr. S.-E. ÅSTRÖM; Sec. Prof. Dr. YRJÖ BLOMSTEDT; Librarian Prof. Dr. PENTTI RENVALL; publs. *Historiallinen Arkisto* (Historical Archives), *Historiallisia Tutkimuksia* (Historical Researches), *Suomen historian lähteitä* (Sources of the history of Finland), *Käsikirjoja* (Handbooks), *Studia Historica* (Historical Studies in German, French and English).

Suomen Kirkkohistoriallinen Seura (*Finnish Society of Ecclesiastical History*): Helsinki, Säätytalo, Snellmanink. 9-11; f. 1891; 718 mems.; Pres. Prof. Dr. K. PIRINEN; Sec. Dr. M. PARVIO; publs. *Vuosikirja-Årsskrift* (Yearbook), *Toimituksia-Handlingar* (research papers).

Suomen Sukututkimusseura-Genealogiska Samfundet i Finland (*Genealogical Society of Finland*): Helsinki, Säätytalo, Snellmanink. 9-11; f. 1917; 704 mems.; the library contains about 20,000 vols.; Pres. Prof. Dr. YRJÖ BLOMSTEDT; Sec. H. M. HOLMBERG; Librarian Prof. Dr. YRJÖ BLOMSTEDT, PH.D.; publs. *Vuosikirja-Årsskrift* (Yearbook), *Genos* (quarterly), *Julkaisuja-Skrifter* (Monographs).

INTERNATIONAL CULTURAL INSTITUTES

British Council, The: E. Esplanaadikatu 22, Helsinki; Rep. P. J. SECCOMBE.

Goethe Institut: Vaasankatu 12B, Jyväskylä; Dir. Dr. HERMANN HITZ; also Tuomiokirkonkatu 34B, Tampere; Dir. WERNER FRITZE.

Istituto di Cultura Italiana in Finlandia: Ullankatu 3, Helsinki; Dir. Prof. ROBERTO WIS.

U.S. Information Center: Kaivokatu 10A, 4th Floor, Helsinki.

LAW

Juridiska Föreningen i Finland (*Law Society of Finland*): Helsinki; f. 1862; 803 mems.; Pres. BO PALMGREN, Petersgatan 1C; Sec. GORAN PORTHIN, Rödluvansväg 8C; publs. *Tidskrift, utgiven av Juridiska Föreningen i Finland*, various legal publications.

Suomalainen Lakimiesyhdistys (*Finnish Juridical Society*): Helsinki, Döbelninkatu 5B; f. 1898; 2,850 mems.; Pres. Prof. Dr. TAUNO TIRKKONEN; Secs. P. NIEMISTÖ, O. IKKALA; publs. *Lakimies, Suomalaisen Lakimiesyhdistyksen Julkaisuja*, series A-D.

International Law Association: Finnish branch f. 1946; Pres. YRJÖ J HAKULINEN, LL.D., President of the Court of Appeals; Vice-Pres. ERIK CASTREN, LL.D., Prof. of Law; Council: HERBERT ANDERSSON, RUDOLF BECKMAN, BERNDT GODENHIELM, REINO ERMA, EERO HAGAN, MAURI HAKAPÄÄ, HEIKKI JOKELA, KAARLO KAIRA, PAAVO KASTARI, EERO MANNER, SIGURD VON NUMERS, OLOF RISKA, VOITTO SAARIO, TOIVO SAINIO; Hon. Sec. VELI-MARTTI METSÄLAMPI, Uudenmaankatu 39A, Helsinki; 101 mems.

LITERATURE, THE ARTS

Kirjallisuudentutkijain Seura (*Society of Literary Research Workers*): Kangaspellontie 7 B 11, Helsinki; f. 1927; serves as a link between literary research workers and promotes their work in Finland; 150 mems. (incl. 6 foreign corresp. mems.); Pres. Prof. LAURI VILJANEN; First Vice-Pres. Prof. VÄINÖ KAUKONEN; Second Vice-Pres. Prof. ILMARI KONTAMAKI; Sec. PERTTI HALLIKAINEN, M.A.; publ. *Kirjallisuudentutkijain Seuran Vuosikirja* (Annual of Literary Historians).

Suomen Kirjailijaliitto (*Association of Finnish Authors*): Helsinki, Runeberginkatu 32C; f. 1897; allied to the Scandinavian Authors' Council; 282 mems.; Pres. YRJÖ SOINI; Exec. Sec. JARL LOUHIJA; publs. *Suomen Runotar, Suomalaiset kertojat.*

Suomalaisen Kirjallisuuden Seura (*Finnish Literary Society*): Helsinki, Hallituskatu 1; f. 1831; 2,000 mems.; Pres. Prof. MARTTI RAPOLA; Sec. Prof. TOIVO VUORELA. *See also* under "Libraries".

Suomen Näytelmäkirjailijaliitto (*Dramatists' League of Finland*): Helsinki, Vironkatu 12B; f. 1921; Pres. JARL LOUHIJA; Sec. KAIJU SAREVA.

Svenska Litteratursällskapet i Finland (*Swedish Literary Society of Finland*): Helsinki, Snellmaninkatu 9-11; f. 1885; the library contains 10.000 vols.; 1.775 mems.; Pres. Prof. Dr. OLAV AHLBÄCK; Sec. Dr. OLAV PAMELIUS; publ. *Skrifter*.

Finlands Svenska Författareförening (*Asscn. of Swedish Authors*); Helsinki, Runebergsgatan 32C; f. 1919; 160 mems.; the library contains 400 vols.; Pres. C. F. SANDELIN (author); Vice-Pres. ÅKE GULIN (author); Sec. MÅRTEN RINGBOM (author).

Suomen Kirjastoseura (*The Library Association of Finland*): Helsinki, Museokatu 18; f. 1910; mems. 2,668; Pres. HEIKKI HOSIA, M.A.; Sec. HILKKA M. KAUPPI, M.A.; publ. *Kirjastolehti* (Bulletin).

Suomen Kulttuurirahasto (*Finnish Culture Foundation*): Bulevardi 5A, Helsinki; f. 1939; promotes cultural life in Finland, grants scholarships of 2,000 to 10,000 Finnish Marks usually for one year for candidates of Finnish nationality; Chair. YRJÖ REENPÄÄ; Pres. L. A. PUNTILA; Gen.-Sec. ERKKI SALONEN; Exec. Sec. MATTI ILMANEN.

Suomen Taideyhdistys (*Fine Arts Society of Finland*): Helsinki, Taidehalli; f. 1846; 5,000 mems.; Pres. LAURI AHO; Sec. BERTEL HINTZE, PH.D.

Suomen Taideakatemia (*Fine Arts Academy of Finland*): Helsinki, Athenæum; f. 1940; Pres. JALO SIHTOLA; Chair. HEIKKI A. REENPÄÄ, M.A.

Suomen Taiteilijaseura-Konstnärsgillet i Finland (*Finnish Artists' Guild*): Helsinki, Taidehalli; f. 1864; mem. socs. consist of the Painters' Union of Finland, the Sculptors' Union of Finland, the Association of Graphic Artists in Finland and the Federation of the Fine Arts Associations in Finland; holds an annual exhibition; publs. *Taide* (Art), *Suomentaide* (Art of Finland); Chair. AIMO TUKIANIEN; Sec. KAARLO KOROMA.

Suomen Säveltaiteilijain Liitto (*Association of Finnish Musicians*): Helsinki, Apollonkatu 13; f. 1917; 120 mems.; Pres. TAUNO PYLKKÄNEN, M.A.; Sec. PENTTI KOSKIMIES, M.A.; one yearly concert with entirely Finnish programme; publs. orchestral works by Finnish composers and a music magazine.

MEDICINE

Finska Läkaresällskapet (*Medical Society of Finland*); Helsinki, Ständerhuset; f. 1835; 600 mems.; the library contains 30,000 vols.; Pres. C.-E. UNNÉRUS; Sec. TOR PETTERSSON; publ. *Finska Läkaresällskapets Handlingar*.

Suomalainen Lääkäriseura Duodecim (*Duodecim Medical Society of Finland*): Helsinki, Mikonkatu 8 (library: Snellmaninkatu 9-11; f. 1881; Librarian Prof. MARTTI MUSTAKALLIO); 3,300 mems.; the library contains 17,000 vols.; Pres. Prof. PENTTI I. HALONEN; Sec. Dr. EERO IKKALA; publs. *Annales medicinae experimentalis et Biologiae Fenniae, Annales medicinae internae Fenniae, Annales chirurgiae et gynecologiae Fenniae, Annales Pediatriae Fenniae, Medicina Fennica, Duodecim, Terveydenhoitolehti.*

Suomen Hammaslääkäriseura (*Finnish Dental Society*): Helsinki, Bulevardi 30B (library: Snellmaninkatu 9-11); f. 1892; 2,000 mems.; Librarian Dr. SINIKKA MYLLÄRNIEMI; the library contains about 3,900 vols.; Pres. Dr. JOHANNES HAATAJA; Sec. Dr. MATTI PIIRTO; publ. *Suomen Hammaslääkäriseuran Toimituksia* (Proceedings of the Finnish Dental Society).

Tasavallan Presidentti J.K. Paasikiven Rahasto Syöpätautien Tieteellistä Tutkimustyötä Varten (*President J. K. Paasikivi Foundation for Cancer Research*): Liisankatu 21 B 9, Helsinki; f. 1950; grants fellowships to scientists for cancer research and to institutions supported by the Cancer Society of Finland and the Cancer Foundation; Pres. PAAVA RAVILA, PH.D., Chancellor of Helsinki University; Sec. NIILO VOIPIO, Sec.-Gen. of the Cancer Society of Finland.

ORIENTALISM

Suomen Itämainen Seura (*Finnish Oriental Society*): Helsinki, Snellmanink. 9-11; f. 1917; 200 mems.; Pres. A. I. SALONEN; Sec. J. ARO; publ. *Studia Orientalia*.

PEDAGOGY

Kasvatusopillinen Yhdistys (*Pedagogical Society*): Helsinki, Museokatu 18; f. 1863; 600 mems.; Pres. MARTTI RUUTU, PH.D.; Sec. KYÖSTI SKYTTÄ, M.A.; publ. *Kasvatusopillinen Aikakauskirja*.

PHILOLOGY

Klassillis-filologinen Yhdistys (*Society for Classical Philology*): Helsinki, Luuvaniementie 3D; f. 1882; promotes the study of classical philology and classical antiquity in general; c. 70 mems.; Pres. Prof. HENRIK ZILLIACUS; Sec.-Treas. TUOMO PEKKANEN; publ. *Arctos, Acta Philologica Fennica, Nova Series*, I (1954), II (1958), III (1962).

Kotikielen Seura (*Society for Finnish Philology*): Helsinki, Fabianink. 33; f. 1876 as students' association; 120 mems.; Pres. AIMO TURUNEN; Sec. PENTTI SOUTKARI; publ. *Virittäjä* (quarterly).

Suomalais-ugrilainen Seura (*Finno-Ugrian Society*): Helsinki, Snellmaninkatu 9-11; f. 1883; 450 mems.; the library contains 17,500 vols.; Pres. Prof. Dr. PAAVO RAVILA; Sec. Prof. Dr. PENTTI AALTO; publs. *Journal de la Société Finno-Ougrienne, Mémoires de la Société Finno-Ougrienne, Lexica Societatis F.U., Travaux ethnographiques*.

Suomen Englanninkielen Opettajien Yhdistys (*Association of Teachers of English in Finland*): Helsinki, Kapteeninkatu 9D, f. 1938; 913 mems.; Pres. EEVA RIIKONEN; Sec. LEENA REUNANEN.

Uusfilologinen Yhdistys (*Modern Language Society*): Helsinki, Snellmaninkatu 9; f. 1887; Pres. Prof. E. ÖHMANN; Hon. Sec. Mrs. ULLA JOKINEN; Editorial Sec. Prof. TAUNO F. MUSTANOJA; publs. *Mémoires de la Société Néophilologique de Helsinki* (irregular), *Neuphilologische Mitteilungen* (*Bulletin of the Modern Language Society*) four numbers annually.

PHILOSOPHY

Suomen Filosofinen Yhdistys (*Philosophical Society of Finland*): c/o Dr. R. WILENIUS, Laajasuontie 26D, Helsinki; f. 1873; promotes the study of philosophy and related disciplines in Finland; 130 mems.; Pres. Prof. G. H. VON WRIGHT; Sec. Dr. REIJO WILENIUS; publs. *Acta Philosophica Fennica, Ajatus*.

TECHNICAL

Suomen Teknillinen Seura (*Engineering Society in Finland*): Ratakatu 9, Helsinki; f. 1896; serves as a link between engineers and architects, promotes technical sciences and industry, fosters Finnish economic life; mems. 4,760 (incl. 600 junior mems.); Pres. URPO RATIA, DIPL.ENG.; Sec. MATTI KAARIO, DIPL.ENG.; publ. *Teknillinen Aikakauslehti*.

Svenska Tekniska Vetenskapsakademin (*Swedish Academy of Technical Sciences*): Måsgränd 5E, Drumsö, Helsinki;, f. 1921; 80 mems.; Sec. Prof. Dr. K. V. HELENELUND.

Tekniikan Edistämissäätiö (*Technological Foundation*): Aleksanterinkatu 3D, Helsinki; f. 1949; to provide yearly fellowships for the advancement of technology; Pres. PAAVO HONKAJUURI; Sec.-Gen. HAKON GUVENIUS; Sec. URPO J. SALO.

Teknillisten Tieteiden Akatemia (*Academy of Technical Sciences*): Lönnrotinkatu 37, Helsinki; Pres. Dr. ARVO YLINEN; Sec. Prof. Dr. VEIKKO LINNALUOTO.

Tekniska Föreningen i Finland (*The Engineering Society in Finland*): Georgsgatan 30, Helsinki; f. 1880; 1,800 mems.; Pres. ERIK HEDMAN; Man. Dir. NATHAN RUBINSTEIN; Sec. BJÖRN-OLOF BACKMAN; publ. *Tekniskt Forum*.

THEOLOGY

Suomalainen Teologinen Kirjallisuusseura (*Finnish Society for Theological Literature*): Vuorimiehenkatu 11D, Helsinki; Chair. Prof. L. PINOMAA.

RESEARCH INSTITUTES

AGRICULTURE, FORESTRY

Maatalouden Tutkimuskeskus (*Agricultural Research Centre*): Erottajank. 15-17, Helsinki; f. 1924; Dir. Prof. JOUKO VUORINEN, D.SC.AGRIC.; publs. *Annales Agriculturae Fenniae* (Journal of the Agricultural Research Centre), *Maatalous ja Koetoiminta* (Agriculture and Research Yearbook).

Maatalouden Tutkimuskeskus Kasvinjalostuslaitos (*Agricultural Research Centre, Department of Plant Breeding*): Jokioinen; f. 1924; the library contains 14,000 vols.; special collections of seeds of cultivated plants; Dir. (Vacant); Sen. Res. Officers K. MULTAMÄKI, DR.SC. AGRIC., and ROLF MANNER, DR.SC.AGRIC.; Res. Officer OIVA INKILÄ, M.SC.AGRIC.

Maatalouden Tutkimuskeskus, Kasvitautien Tutkimuslaitos (*Agricultural Research Centre, Department of Plant Pathology*): Tikkurila; f. 1911; the library contains 7,000 vols.; Dir. Prof. E. A. JAMALAINEN, D.SC. AGRIC.; Senior Plant Pathologists Miss ANNIKKI LINNASALMI, D.SC.AGRIC., A. YLIMÄKI LIC.SC.AGRIC., Miss KATRI IKÄHEIMO, LIC.SC.AGRIC.

Maatalouden Tutkimuskeskus, Kasvinviljelysosasto (*Agricultural Research Centre, Department of Plant Husbandry*): Tikkurila; f. 1898; the library contains 3,500 vols.; Dir. Prof. OTTO VALLE, D.SC.,AGRIC.

Maatalouden Tutkimuskeskus, Kotieläinhoidon Tutkimuslaitos (*Agricultural Research Centre, Department of Animal Husbandry*): Tikkurila; f. 1924; the library contains 2,900 vols.; Dir. ORVO RING, D.SC.AGRIC.; Researchers IRJA UOTILA, D.SC.AGRIC., MARTTI LAMPILA, LIC.SC.AGRIC., EEVA-LIISA LARPES, M.SC. and JORMA HUILAJA, B.SC.AGRIC.

Maatalouden Tutkimuskeskus Kotieläinjalostuslaitos (*Agricultural Research Centre, Department of Animal Breeding*): Tikkurila; f. 1924; the library contains 1,310 vols.; Dir. Prof. VILJO VAINIKAINEN, D.SC. AGRIC.; Senior Scientist MIKKO VARO, D.SC. AGRIC.

Maatalouden Tutkimuskeskus, Maantutkimuslaitos (*Agricultural Research Centre. Department of Soil Science*): Tikkurila; f. 1918; the library contains 17,000 vols.; Dir. MIKKO SILLANPÄÄ, DR.AGRIC.; Soil Scientists OSMO MÄKITIE, DR.SC., ESKO LAKANEN, M.SC., SYLVI SOINI, LIC.SC. (AGRIC.).

Maatalouden Tutkimuskeskus, Maanviljelyskemian ja-fysiikan laitos (*Agricultural Research Centre, Department of Agricultural Chemistry and Physics*): Tikkurila; f. 1898; the library contains 2,250 vols.; Dir. Prof. MARTTI SALONEN, D.SC.AGRIC.; Chief Asst. TUOMAS KERÄNEN, D.SC. AGRIC.; Senior Asst. AARNE TAINIO, M.SC. AGRIC.

Maatalouden Tutkimuskeskus, Puutarhaosasto (*Agricultural Research Centre, Department of Horticulture*): Piikkiö; f. 1927; the library contains 1,500 vols.; collection of cytological slides; Dir. Prof. J. SÄKÖ, D.SC. AGRIC. and FORESTRY; Assts. ARNE ROUSI, PH.D., KIRSTI SALOKANGAS, M.SC.AGRIC. and FORESTRY, TAPIO K. KALLIO, M.SC.AGRIC. and FORESTRY and LEA KURKI, M.SC. AGRIC. and FORESTRY, M.SC.(M.S.U.).

Maatalouden Tutkimuskeskus, Tuhoeläintutkimuslaitos (*Agricultural Research Centre, Department of Pest Investigation*): Tikkurila; f. 1898; the library contains 15,000 vols.; entomological collections on Coleoptera, Lepidoptera, Hemiptera and Hymenoptera; Dir. Prof. VEIKKO KANERVO, D.SC.AGRIC.; First Assts. MARTTI MARKKULA, D.PH., and OSMO HEIKINHEIMO, M.SC.; Plant Protection Inspector S. EKHOLM; Inspector of Insecticides and Fungicides PEKKA KÖPPÄ, M.SC.

Metsäntutkimuslaitos (*Forest Research Institute of Finland*): Helsinki, Unionink. 40A; f. 1918; 150 mems.; the library contains about 9,000 vols.; Pres. Prof. Dr. RISTO SARVAS; Sec. P. W. JOKINEN; publs. *Metsäntutkimuslaitoksen Julkaisuja, Communicationes.*

APPLIED SCIENCE AND TECHNOLOGY

Biokemiallinen Tutkimuslaitos (*Biochemical Institute*): Helsinki, Kalevankatu 56; researches in radiochemistry, biochemistry and biology (*see also* under "Chemistry").

Säteilyfysiikan Laitos (*Institute of Radiation Physics*): Helsinki, Unionkatu 38B; Government Institute for supervision and inspection of radiation protection.

Valtion Teknillinen Tutkimuslaitos (*The State Institute for Technical Research*): Helsinki, Lonnrotink, 37; f. 1942; 565 mems.; the library contains about 57,000 vols.; Dir. Gen. Dr. EDVARD WEGELIUS; publs. *Vuosikertomus* (Annual Report), *Valtion Teknillinen Tutkimuslaitos Julkaisu* (Publications), *Valtion Teknillinen Tutkimuslaitos Tiedotus* (Report Series: Wood, Metal, Building, Chemistry).

The State Institute for Technical Research has the following laboratories:

Wood Technical, Wood Working, Wood Preservation, Metal Technology, Metallurgy, Electrical Engineering, Radio Engineering, Mineral Engineering, Technical Physics, Precision Mechanics, Building Technology, Concrete Technology, Building Economy, Statics and Bridge Building, Road Construction, Soil Mechanics, Fire Technology, Heating Technology, Land Consolidation, Chemico-Technical, Food Research and Technology, Peat and Oil Research, Textile Technology, Leather Investigations, Brewing, Graphic Arts Research and Technical Information Service, Mathematics.

Voimayhdistys Ydin (*Nuclear Power Association*): Helsinki, E. Esplanadikatu 14; an association of major Finnish industrial companies; studies on peaceful application of atomic energy, training and research in nuclear engineering.

GEODESY

Geodeettinen Laitos (*Geodetic Institute*): Helsinki Bulevardi 40; f. 1918; 12 mems.; the library contains 6,000 vols.; Dir. Prof. Dr. T. J. KUKKAMAKI; Principal Geodesists Prof. Dr. TAUNO HONKASALO, Prof. Dr. V. R. OLANDER, Prof. Dr. ERKKI KÄÄRIÄINEN, Prof. Dr. JORMA KORHONEN; publs. *Suomen Geodeettisen laitoksen julkaisuja, Veröffentlichungen des Finnischen Geodätischen Institutes* (in English or German).

GEOLOGY

Geologinen Tutkimuslaitos (*Geological Survey of Finland*): Helsinki, Otaniemi; f. 1885; 195 mems.; the library contains about 30,000 vols. and 14,000 pamphlets; Dir. VLADI MARMO; Chief of Depts.: ESA HYYPPÄ, AHTI SIMONEN, AARNO KAHMA, E. T. SAVOLAINEN, M. PURANEN; Bureau Chief: JORMA TULOISELA; publs. *Vuosikertomus* (Annual Report), *Bulletin de la Commission géologique de Finlande, Geoteknillisiä julkaisuja, Geological Maps.*

METEOROLOGY

Ilmatieteellinen Keskuslaitos (*Finnish Meteorological Office*): Helsinki 10, Vuorikatu 24, Box 10503; f. 1838; 226 mems.; the library contains about 20,000 vols.; Dir. Prof. Dr. MATTI FRANSSILA; publs. *Year-Books*, commencing 1844 to date, *Kuukausikatsaus Suomen Sääoloihin* (Monthly Weather Bulletin), *Toimituksia* (Scientific Reports), *Maamagneettisia tutkimuksia* (Studies of Earth Magnetism).

SOCIAL SCIENCE

Yhteiskunnallisen Korkeakoulun Tutkimuslaitos (*Research Institute of the School of Social Sciences*): Kalevantie 4, Tampere; f. 1945; Dir. Prof. YRJO LITTUNEN.

STATISTICS

Tilastollinen Päätoimisto (*Central Statistical Office of Finland*): Helsinki, Annankatu 44; f. 1865; the library contains 70,000 vols.; Dir. Dr. EINO H. LAURILA; Librarian I. KAUKOVAARA; chief publs. *Suomen Tilastollinen Vuosikirja* (Statistical Year-Book of Finland), *Tilastokatsauksia* (Monthly Bulletin).

LIBRARIES

Åbo Akademis Bibliotek (*Library of Åbo Academy*): Åbo, Domkyrkogatan 2-4; 450,000 vols.; Librarian C. R. GARDBERG, PH.D.

Eduskunnan Kirjasto (*Library of Parliament*): Helsinki; f. 1872; 300,000 vols. on administration, law, political and social sciences; Chief Librarian HENRIK SCHAUMAN; the library is open to the public; publs. *Eduskunnan kirjaston julkaisuja* (Library of the Parliament Publications 1-3), *Valtion virallisjulkaisut* (Government publications in Finland 1961-).

Helsingin Kaupunginkirjasto (*Helsinki City Library*): Helsinki, Rikhardinkatu 3; f. 1860; 27 br. libraries; total 826,142 vols. (553,738 Finnish, 199,427 Scandinavian, 72,977 foreign); Chief Librarian SVEN HIRN, PH.D.; publ. *Helsingin kaupunginkirjaston toimintakertomus* (Annual Report of Helsinki City Library).

Helsingin Yliopiston Kirjasto (*Helsinki University Library*): Helsinki, Unioninkatu 36; f. 1640 in Turku (Åbo), removed to Helsinki 1828; general library of the State University and national library of Finland; comprehensive collection of books printed in Finland, also foreign collection, including Slavonic books; approx. 900,000 vols., 300,000 academic theses, about 2,000 MSS., and 350 incunabula; Chief Librarian Prof. JORMA V. VALLINKOSKI, PH.D.; publs. *Helsingin Yliopiston kirjaston Julkaisuja, Helsingfors Universitetsbiblioteks Skrifter*, 1-32, *Suomen Kirjallisuus, Finlands litteratur, The Finnish National Bibliography 1944-.*

Helsingin Yliopiston Oikeustieteellisen Tiedekunnan Kirjasto (*The Law Library of the University of Helsinki*): Helsinki, Porthania, Hallituskatu 11-13; f. 1910; 32,000 vols.; Librarian KAUKO SIPPONEN; the library is open to university teachers and students.

Helsingin Yliopiston Maatalouskirjasto (*Library of Agriculture of the University of Helsinki*): Helsinki 71, Viikki; f. 1930; combined with the library of the Scientific Agricultural Society of Finland; 100,000 vols.; Librarian MAJLIS F. E. TULANDER; the library is open to the public.

Helsingin Yliopiston Valtiotieteellisen Tiedekunnan Kirjasto (*The Social Science Library, University of Helsinki*); Helsinki, Porthania, Hallituskatu 11-13; f. 1950; 14,500 vols.; Librarian PAAVO LAMMINEN, PHIL.MAG.; the library is open to University teachers and students.

Helsingin Yliopiston Ylioppilaskunnan Kirjasto (*The Library of the Student Union of the University of Helsinki*): Leppäsuonkatu 9; f. 1868; 190,000 vols.; Chief Librarian KAARLO LAUSTI, M.A.

Institutum Historico-Philologicum Universitatis Helsingiensis: Helsinki, Porthania, Hallituskatu 11-13; f. 1904; 50,000 vols.; Librarian AINO HENTINEN; the library is open to the University teachers and students.

Jyväskylän Kasvatusopillisen Korkeakoulun Kirjasto (*University Library*): Jyväskylä; f. 1921; 350,000 vols.; Librarian PEKKA RAITTILA.

Kauppakorkeakoulun Kirjasto (*Library of the Helsinki School of Economics*): Helsinki, Runeberginkatu 14-16; 57,000 vols.; Librarian LEMPI NURKKALA, M.A.(POL.SC.).

Luonnontieteellis-Teknillinen Kirjasto (*Science Library*): Tampere 3; f. 1956; 30,000 vols.; 600 periodicals; Librarian MATTI LIINAMAA, M.A.

Maatalouden Tutkimuskeskuksen Keskuskirjasto (*The Central Library of the Agricultural Research Centre*): Tikkurila; f. 1935; 30,000 vols.; Librarian S. NUORVALA.

Oulun Yliopiston Kirjasto (*Oulu University Library*): Kasarmintie 7, Oulu; f. 1959; 100,000 vols., 1,800 periodicals. Special collections: theses, textbooks, rare books, duplicates, manuscripts, pamphlets, literature concerning Finland's attaining independence and the civil war, a collection of literature in Russian, music library, collections of pictures, maps; Librarian R. MURHU, M.A.

Sibelius-Akatemian Kirjasto (*Sibelius Academy Library*): Pohj. Rautatiek. 9, Helsinki; f. 1885; 30,000 vols. of music, 33,600 vols. of music, literature and gramophone records; Keeper of the Music Miss HELVI LEIVISKÄ; Keeper of the Books and Records T. TEERISUO.

Suomalaisen Kirjallisuuden Seuran Kirjasto (*Library of the Finnish Literature Society*): Helsinki, Hallituskatu 1; f. 1831; 140,000 vols.; about 10,000 MSS.; folklore archives of 1,600,000 items; Librarian RAUNI PURANEN, M.A.

Svenska Handelshögskolans Bibliotek (*Library of the Swedish School of Economics*): Helsinki, Arkadiagatan 22; 37,000 vols.; Librarian GUNVOR KERKKONEN, PH.D.

Tampereen Lääketeiteellinen Kirjasto (*Tampere Medical Library*): Tampere 10; f. 1965; 5,000 vols.; 220 periodicals; Librarian ANNELI VEILAHTI, M.A.

Teknillisen Korkeakoulun Kirjasto (*Library of the Finland Institute of Technology*): Lonntotink 37, Helsinki; 150,000 vols.; Librarian Mrs. MARJÄTTA MYRBERG, M.A.

Tieteellisten Seurain Kirjasto (*Library of Scientific Societies*): Helsinki, Snellmaninkatu 9-11; f. 1899; approx. 300,000 vols.; includes libraries of different societies of natural sciences, medicine and humanities; international exchange service for learned societies; Chief Librarian NILS BERNDTSON.

Tilastollisen Päätoimiston Kirjasto (*Library of the Central Statistical Office of Finland*): Annank. 44 (5th floor), Helsinki; f. 1867; 70,000 vols., over 300 periodicals; Librarian I. KAUKOVAARA.

Turun Kauppakorkeakoulun Kiriasto (*Library of the Turku School of Economics*): Turku, Rehtorinpellontie 5; 15,000 vols.; Librarian SIRKKA SALORANTA, M.A.

Turun Yliopiston Kirjasto (*Turku University Library*); f. 1922; 550,000 vols., 150,000 pamphlets, 1,000 MSS.; Chief Librarian EERO K. NEUVONEN, PH.D.; publ. *Turun Yliopiston kirjaston julkaisuja, Suomen aikakauslehti-indeksi* (Index to Finnish periodicals).

Valtionarkisto (*National Archives*): Helsinki, Rauhankatu 17; f. 1869; 35,000 vols. in library; Dir. YRJÖ NURMIO; central office for public archives; controls five provincial archives at Turku, Hämeenlinna, Mikkeli, Vaasa and Oulu; holds archives of the Central Administration, archives of courts, military documents and papers of famous statesmen and politicians. The provincial archives contain documents relating to Regional and Local Administration. Publs. series of historical publications and catalogues.

Yhteiskunnallisen Korkeakoulun Kirjasto (*Library of the School of Social Sciences*): Tampere, Kalevantie 4; f. 1925 in Helsinki; 85,000 vols. on administration, political and social sciences, journalism, history, the Finnish, English, German and Swedish languages, literary history, education, economics, library science, law and psychology; Chief Librarian ARVO SEPPALA, M.A.

MUSEUMS

Ålands Museum: Mariehamn, Ålands Islands; f. 1933; 15,500 exhibits; conducts archaeological excavations and ethnological field examinations on Åland Islands; library of 4,000 vols.; Manager MATTS DREIJER; publ. *Ålandsk Odling* (annual).

Ålands Sjöfartsmuseum: Mariehamn; 2,900 exhibits; contains logbooks, ships documents, etc.; Pres. EDGAR ERIKSON; Dir. GUNNAR BOMAN.

Kansallismuseo (*National Museum*): Helsinki; in 1893 the Historical-Ethnographical Museum of the Helsinki University, the Collections of the Finnish Archæological Society and the Ethnographical Museum of the Finnish Undergraduates' Corporation were united under the name of the State Historical Museum, later the National Museum. The foundation-stone of the National Museum was laid in 1906, and in 1916 the first departments were opened to the public. The Museum comprises a Prehistoric Department with Finnish and Comparative Collections, a Finnish Historical Department combined with a Collection of Coins and Medals, and an Ethnographical Department with Finnish, Finno-Ugrian and Comparative Ethnographical Collections. The Open-Air Museum at Seurasaari (Fölisön) and the museums at Suomenlinna (Sveaborg) are branches of the National Museum. The library, including that of the Finnish Archæological Society, contains approx. 65,000 vols. Dir. NILS CLEVE, PH.D.

Pohjois-Pohjanmaan Museo: Oulu; f. 1896; 15,000 exhibits; specialises in historical-ethnological research on Lapland; Pres. of Museum Society TAUNO KOKKO; Manager and Supt. AHTI PAULAHARJU.

Satakunnan Museo: Pori; f. 1888; 25,000 archaeological and historical exhibits relating to the history of the province of Satakunta; Dir. UNTO SALO.

Sibeliusmuseum vid Åbo Akademi (*Sibelius Museum at Åbo Akademi*): Biskopsgatan 15, Åbo; f. 1926; contains archives and library relating to Sibelius and to Finnish music, and possesses a collection of musical instruments; Curator Prof. JOHN ROSAS; publs. *Källskrifter och studier utg. av Musikvetenskapliga seminariet vid Åbo Akademi. Åbo I-III.*

Turun Taidemuseo (*Turku Art Museum*): Turku; collection of modern paintings and sculpture, prints and drawings, mainly of Finnish and Scandinavian art; Pres. Prof. C. E. SONCK; Vice-Pres. Prof. EINO KROHN; Dir. ERIK BERGH.

Turun Kaupungin Historiallinen Museo (*Historical Museum of Turku*): Turku, Turunlinna; f. 1881; collections of furniture, arms, textiles, porcelain, etc.; occupying about 70 rooms in the old castle of Turku; Dir. C. J. GARDBERG; publs. *Turun kaupungin historiallisen museon Vuosijulkaisu, Åbo stads historiska museums Årsskrift*, etc.

The Open-Air Museum at Luostarinmäki (Klosterbacken) and the old burgher-house are subsidiaries of the Historical Museum.

UNIVERSITIES AND COLLEGES

ÅBO AKADEMI
(The Swedish University of Åbo)

ÅBO, DOMKYRKOTORGET

Telephone: 17383.

Founded 1917.

Chancellor: H. E. PIPPING, PH.D.
Rector: K. O. NIKULA, PH.D.
Vice-Rector: K. G. FOGEL, PH.D.
Treasurer: C. O. TALLGREN, M.POL.SC.
Secretary: C.-E. SUNDMAN, M.A.
Librarian: C.-R. GARDBERG, PH.D.

Number of teachers: 140, including 38 professors.

Number of students: 735 men, 437 women, total 1,172.

Publications: *Årsskrift* (Annual Review), *Acta Academiae Aboensis.*

DEANS:

Faculty of Humanities: Prof. J. ROSAS, M.A., PH.D.
Faculty of Mathematics and Natural Science: Prof. G.-A. HOLMBERG, PH.D.
Faculty of Social Sciences: Prof. K. G. PIPPING, PH.D.
Faculty of Chemical Technology: Prof. A. J. RINGBOM, TECHN.D.
Faculty of Theology: Prof. H. J. NYMAN, D.D.

PROFESSORS:

Faculty of Humanities:
BARCK, P. O. F., History of Literature
ENKVIST, N. E., English Language and Literature
HARTMAN, S. S., History of Religion
HUMMELSTEDT, A. E., Swedish Language and Scandinavian Philology
KARLSSON, G. J., Finnish Language and Literature
NIKULA, K. O., Scandinavian History
RINGBOM, L. I. E., History of Art
ROSAS, J. A., Musicology and Folk Music
TEGENGREN, H., Scandinavian Cultural History and Ethnology
WESTMAN, R. R. O. R., Greek and Roman Literature
WOLF, W., Germanic Philology

Faculty of Mathematical and Natural Sciences:
ASPELUND, H. A. O., Pharmacology
EDELMAN, N. H., Geology and Mineralogy
FOGEL, K. G., Physics
HOLMBERG, G. A., Organic Chemistry
METZER, A. A. TH. J., General and Applied Geology
QVIST, K. B. M., Applied Mathematics

Faculty of Political Science:
KNOELLINGER, F. C. E., Economics
LINDMAN, S. O. G., Political Science
PIPPING, K. G., Sociology with Statistics
TAXELL, L. E., Civil Law

Faculty of Chemical Technology:
BRUUN, H. H., Wood Chemistry
HUMMELSTEDT, L. I., Chemical Technology
RINGBOM, A. J., Analytical and Inorganic Chemistry
SALIN, J. P., Chemical Engineering

Faculty of Theology:
LINDESKOG, R., New Testament Exegesis
NYGREN, G. A. T. S., Systematic Theology
NYMAN, H., Practical Theology
Vacant Chairs (9)

HELSINGIN YLIOPISTO-HELSINGFORS UNIVERSITET
(University of Helsinki)

HELSINKI

Telephone: 15 211.
Telegraph: Helsingin Yliopisto.

Founded 1640 Turku (Åbo), 1828 Helsinki.

Chancellor: P. I. RAVILA.
Rector: E. O. KIVINEN.
Vice-Rectors: H. T. WARIS, G. PALMGREN.
Secretary: M. H. RAURAMO, M.L.
Bursar: E. K. KASKIMIES.
Registrar: T. A. LUUTONEN, M.A.
Librarian: Prof. J. V. VALLINKOSKI, PH.D.

Number of teachers: 1,574, including 189 ordinary and extraordinary professors.

Number of students (1965): 17,664.

DEANS:

Faculty of Theology: Prof. A. T. NIMOLAINEN.
Faculty of Law: Prof. G. H. I. MELANDER.
Faculty of Medicine: Prof. H. G. TEIR.
Faculty of Philosophy:
Section of the Humanities: Prof. L. A. POSTI.
Section of Mathematics and Natural Sciences: Prof. E. PH. PALMÉN.
Faculty of Political Science: Prof. L. A. PUNTILA.
Faculty of Agriculture and Forestry: Prof. A. V. MÄKI.

PROFESSORS:

Faculty of Theology:
HAIKOLA, LAURI R., Theological Ethics and Religious Philosophy
JUVA, M. E., Finnish and Scandinavian Church History
KANSANAHO, E. K., Practical Theology
NIKOLAINEN, A. T., New Testament Exegesis
PIRINEN, K. A., General Church History
TIILILÄ, O. A., Dogmatics
(Vacant—Old Testament Exegesis)

Faculty of Law:
ANTTILA, S. I., Criminal Law
BLOMSTEDT, Y. R. E., Legal History and Roman Law
CASTRÉN, E. J. S., International Law and Constitutional Law
ELLILÄ, R. K., Criminal Law
ELLILÄ, T. K., Judicial Procedure
GODENHIELM, B. A. F. L., Private and Commercial Law
IKKALA, O. K., Finance Law
KASTARI, P. K., Constitutional Law and International Law
MELANDER, G. H. I., Land Partition, Land Reform and Water Law
MERIKOSKI, V. K., Administrative Law
PALMGREN, Bo G., Criminal Law and Judicial Procedure
TIRKKONEN, T. J. U., Judicial Procedure
YLÖSTALO, M. V., Private Law
ZITTING, S. J., Private Law
(Vacant—Commercial Law, Labour Law, Public Jurisprudence and International Private Law, Public Law

Faculty of Medicine:
BERGSTRÖM, R. A. M., Physiology
VON BONSDORFF, B. M., Internal Medicine
ERÄNKÖ, E. O., Anatomy
HALLMAN, N. O. B., Pediatrics
HALONEN, P. I., Internal Medicine
INBERG, K. R., Surgery
JÄRNEFELT, J., Medical Chemistry
KAILA, M. E., Psychiatry

KALLIO, K. E., Surgery
KIVALO, E., Neurology
MUSTAKALLIO, S., Medical Radiology
NEVAKARI, K. M., Dental Prosthetics
NIKKILÄ, E. A., Internal Medicine
OKER-BLOM, N. C. E., Virus Research
PÄTIÄLÄ, J. S., Tuberculosis
PERÄSALO, O. V., Surgery
POHTO, M. R., Operative Dentistry and Endodontics
PUTKONEN, T. I., Skin and Venereal Diseases
RÄIHÄ, C.-E. E., Pediatrics
RANTASALO, V. I., Hygiene
RENKONEN, K. O., Bacteriology and Serology
SAXEN, A. E., Pathological Anatomy
SETÄLÄ, K. M. E., Pathological Anatomy
SIIRALA, U. U. T., Oto-Rhino-Laryngology
SOILA, A. P., X-ray Diagnostics
TEIR, H. G., Pathological Anatomy
TURUNEN, A. O. I., Obstetrics and Gynæcology
TURUNEN, M. I., Surgery
UOTILA, U. U., Forensic Medicine
VANNAS, S. FR., Ophthalmology
VARA, P. G., Obstetrics and Gynæcology
VARTIAINEN, A. V., Pharmacology
VARTIAINEN, I. A., Internal Medicine
VIRTANEN, I. A. J., Dental Surgery
(Vacant—Anatomy)

Faculty of Philosophy:

I. Section of the Humanities

ARO, J., Oriental Literature
ENCKELL, O. W. T., Swedish Literature
VON FIEANDT, K. V. J., Psychology
GALLÉN, J. W. E., History
HULDÉN, L. E., Scandinavian Philology
JOKI, A., Finno-Ugrian Linguistics
JUTIKKALA, E. K. I., Finnish History
KETONEN, O. T., Theoretical Philosophy
KIPARSKY, V. J. A., Slavonic Philology
KIVIKOSKI, ELLA M., Finnish and Scandinavian Archæology
KOORT, P., Pedagogics and Didactics
KOSKENNIEMI, M., Pedagogics and Didactics
KUUSI, M. A., Finnish and Comparative Folklore
LINDGREN, K. B., German Philology
MUSTANOJA, T. FR., English Philology
PETTERSSON, L. K. J., History of Art
POSTI, L. A., Baltic-Finnish Languages
RANTAVAARA, IRMA I., Aesthetics and Modern Literature
RENVALL, P. U. N., Finnish and Scandinavian History
REUTER, O. R., English Philology
SOVIJÄRVI, A. A., Phonetics
STENIUS, E. G., Philosophy
SUOLAHTI, J. W., History
TAWASTSTJERNA, E. W., Theory of Music
THORS, C.-E., Scandinavian Philology
VÄÄNÄNEN, V. I., Romance Philology
VALONEN, N. E. T., Finno-Ugrian Ethnology
VILJANEN, L. S., Finnish Literature
VIRTARANTA, E. P. I., Finnish Language
ZILLIACUS, J. H., Greek Literature
(Vacant—Russian Language and Literature, German Philology, Finnish Language, Latin Literature.)

II. Section of Mathematics and Natural Sciences

AARIO, L. E., Geography
DONNER, J. J., Geology and Palæontology
ELFVING, E. G., Mathematics
ENKVIST, T. U. E., Chemistry
ERKAMA, J., Chemistry
FONTELL, N. D., Physics
HIRSJÄRVI, H. P., Chemistry
JÄRNEFELT, G. J., Astronomy
KALELA, A. A. A., Botany
KUSTAANHEIMO, P. E., Applied Mathematics
LAURIKAINEN, K. V., Nuclear Physics
LEHTO, O. E., Mathematics
LEIKOLA, E. E., Pharmaceutical Chemistry
LUTHER, H. E., Botany
MYRBERG, L. J., Mathematics
NÄSÄNEN, R. O., Chemistry
OKKO, V. O. T., Geography
PALMÉN, E. PH., Zoology
PALMGREN, P., Zoology
SAKSELA, M. O., Geology and Mineralogy
SIMONS, J. L., Physics
SMEDS, H., Geography
SUOMALAINEN, P., Zoology
TAHVONEN, P. E., Applied Physics
TOMMILA, E. A., Chemistry
VON SCHANTZ, M. F. E., Pharmaconosy
VUORELA, L. A., Meteorology
WARTIOVAARA, V. K., Botany
(Vacant—Theoretical Physics)

Faculty of Political Science:

ALLARDT, E. A., Sociology
AF HEURLIN, L. O., Economics
HINTIKKA, K. J. J., Practical Philosophy
JANSSON, J. M., Political Science
LEPPO, M. N. R., Economics and Finance
PÖYHÖNEN, P. K., Economics
PUNTILA, L. A., Political History
RAINIO, K., Social Psychology
TELJO, KL. M. J., Political Science
TÖRNQVIST, L. W., Statistics
WARIS, H. T., Social Politics
(Vacant—Economics)

Faculty of Agriculture and Forestry:

ANTILA, M. T., Dairying
HÅRDH, J. E., Horticulture
HEIKURAINEN, L. O., Marshland Forestry
HOLOPAINEN, V. E., Marketing of Forest Products
KANGAS, M. E., Agricultural and Forest Zoology
KELTIKANGAS, V., Business Administration of Forestry
KIVINEN, E. O., Agricultural Chemistry and Physics
MÄKI, A. V., Agricultural Economy
NYYSSÖNEN, A. O., Forest Valuation
PAATELA, J. E., Applied Agriculture
PALOHEIMO, L. I., Science of Domestic Animals
PIHKALA, K. U., Agricultural Politics
POHJAKALLIO, O. A., Plant Biology and Plant Pathology
PUTKISTO, K., Forest Technology
RIIHINEN, P., Forest Economics
ROINE, P. K., Nutritional Chemistry
RYHÄNEN, R. K., Limnology
VARTIOVAARA, U. J., Microbiology
WEGELIUS, T. H. A., Forest Technology
WESTERMARCK, N. C., Agricultural Economy
YLI-VAKKURI, P. O., Forestry

OULUN YLIOPISTO
(Oulu University)

PAKKAHUONEENKATU 12, OULU

Telephone: 16 801.
Telegraph: Yliopisto Oulu.

Founded 1959.

Rector: E. KOISO-KANTTILA.
Vice-Rector: J. PALVA.
Secretary: K. KEIHÄRI, LL.B.
Librarian: R. A. A. MURHU, M.A. (acting).

Number of teachers: 333.
Number of students: 1,591.

DEANS:

Faculty of Philosophy: Prof. J. KOSKIKALLIO, PH.D.
Faculty of Technology: Prof. O. PÖYRY, ARCH.
Faculty of Medicine: Prof. T. PALVA, M.D.
Teachers' Training Institute: Prof. O. KYÖSTIÖ, PH.D.

PROFESSORS:

Faculty of Philosophy:

KILPI, Y., PH.D., Mathematics
KOSKIKALLIO, J., PH.D., Chemistry
KRIEGER, H., PH.D., DR.RER.NAT., Organic Chemistry
SEITSAARI, J., PH.D., Geology and Mineralogy
SIIVONEN, L., PH.D., Zoology
SÖYRINKI, N., PH.D., Botany
TUOMIKOSKI, P., LIC.PHIL., Physics
VARJO, U., PH.D., Geography
(Vacant—Theoretical Physics, Economics, Mathematics)

Faculty of Technology:

ANGERVO, K., DR.TECH., Statics and Bridge Engineering
JÄRVENTASS, E., ARCH., Architecture
KOISO-KANTTLIA, E., ARCH., Architecture
PUTKONEN, O. A., DR.TECH., Structural Engineering
PÖYRY, O., ARCH., Architecture
RUNOLINNA, U., DR.TECH., Mechanical Unit Operations
SUONINEN, E., DR.TECH., Technical Physics
TAIVAINEN, O. A., LIC.TECH., Road Construction
VEIJOLA, V., DR.TECH., Chemical Engineering
WARE, M., DR.TECH., Hydraulic Engineering
(Vacant—Town Planning, Soil Mechanics, Heat Engineering and Machinery, Construction of Shells and Plates, Applied Mathematics)

Faculty of Medicine:

PALVA, T., M.D., Oto-Rhino-Laryngology
(Vacant—Pharmacology, Surgery, Pathological Anatomy, Roentgenology, Internal Medicine, Microbiology, Ophthalmology, Obstetrics, and Gynæcology, Pediatrics, Dermatology)

Teachers' Training Institute:

KYÖSTIO, O. K., Pedagogics

TURUN YLIOPISTO
(Turku University)

TURKU

Telephone: 21080.

Founded 1920.

Chancellor: R. NEVALINNA.
Rector: T. K. NURMELA, PH.D.
Vice-Rector: M. H. KANTOLA, PH.D.
Secretary-General: L. O. RYTKÖNEN, M.A.
Economic Director: O. O. MARKULA, B.COM.

Number of teachers: 455, including 69 professors.

Number of students: 2,055 men, 2,570 women, total 4,625.

Publication: *Annales Universitatis Turkuensis.*

DEANS:

Faculty of Mathematics and Natural Sciences: Prof. T. A. OKSALA, PH.D.
Faculty of Humanities: Prof. T. V. NIITEMAA, PH.D.
Faculty of Medicine: Prof. O. H. MEURMAN, M.D.
Faculty of Law: Prof. V. O. RYTKÖLÄ, D.L.

PROFESSORS:

Faculty of Mathematics and Natural Sciences:
AHMAVAARA, Y. A., PH.D., Theoretical Physics
GRANÖ, O. J., PH.D., Geography
HELLMAN, O. B., D.TECH., Mathematics
HOVI, V. T., PH.D., Physics
INKERI, K. A., PH.D., Mathematics
KALLIO, P. P., PH.D., Botany
KANTOLA, M. H., PH.D., Physics
LAGERSPETZ, K. Y. H., PH.D., Zoology
LEIMU, R. S., PH.D., Organic Chemistry
MERETOJA, A. K., PH.D., Inorganic and Analytical Chemistry
NEUVONEN, K. J., PH.D., Geology and Mineralogy
MURMIKKO, V. T., PH.D., Biochemistry
OKSALA, T. A., PH.D., Genetics
SALOMAA, P. A., PH.D., Physical Chemistry
TUOMINEN, O. J., PH.D., Geography
VAARAMA, O. A., PH.D., Botany
VOIPIO, P. T., PH.D., Zoology
(Vacant—Astronomy)

Faculty of the Humanities:
BIESE, Y. M. J., PH.D., English Language
HONKO, L. O., PH.D., Comparative Research of Folklore and Science of Religion
IKOLA, O. K., PH.D., Finnish
KOHTAMAKI, I., PH.D., Finnish Literature
KOSKENNIEMI, H. K. J., PH.D., Classical Philology
KROHN, E. L., PH.D., General Literature
KROHN, S. I., PH.D., Philosophy
LENTO, R. E. A., D.POL.SC., Political Economy
LIIMOLA, M. E., PH.D., Finno-Ugrian Linguistics
NAERT, P., PH.D., Nordic Philology
NIITEMAA, T. V., PH.D., History
NOUSIAINEN, J. I., D.POL.SC., Political Science
NURMELA, T. K., PH.D., Romance Languages
TALVE, I., PH.D., Finnish and Comparative Ethnology
TILVIS, P. L. H., PH.D., German
VIKAINEN, V. I., PH.D., Education
VON WRIGHT, J. M., PH.D., Psychology
(Vacant—Finnish History, Sociology)

Faculty of Medicine:
BRUMMER, P. A., M.D., Internal Medicine
EKHOLM, A. K., D.M.D., Dental Surgery
ERKKILA, S. A., M.D., Hygiene and Social Medicine
HALONEN, P. E., M.D., Virology
HARTIALA, K. J. W., M.D., Physiology
JÄRVI, O. H., M.D., Pathological Anatomy
KOIVUMAA, K. K., D.M.D., Dental Prosthetics
KOSKI, P. K., D.M.D., Pediatric Extractions and Orthodontics
KULONEN, E. I., M.D., Medical Biochemistry
MEURMAN, O. H., M.D., Oto-Rhino-Laryngology
MUSTAKALLIO, E., M.D., Medical Microbiology
OKSALA, A. A., M.D., Ophthalmology
PEKKARINEN, A. I., M.D., Pharmacology
RAEKALLIO, J. A. J., M.D., Forensic Medicine
RAURAMO, M. L., M.D., Obstetrics and Gynæcology
SALMI, T., M.D., Pediatrics
SCHEININ, A. N., D.M.D., Operative Dentistry
SONCK, C.-E., M.D., Dermatology and Venereal Diseases
VIIKARI, S. J., M.D., Surgery
VIRTAMA, P. E. J., M.D., Roentgenology
(Vacant—Dental Radiology, Anatomy, Neurology and Psychiatry)

Faculty of Law:
BROMS, B. H. G. A., D.L., Constitutional and International Law
BRUSIIN, K. O., D.L., Jurisprudence, Roman Law and Legal History
RYTKOLA, V. O., D.L., Administrative and Finance Law
SALOVAARA, N. K., D.L., Criminal Law
(Vacant—Civil Law I, II, and III, Law of Legal Procedure)

JYVÄSKYLÄN KASVATUSOPILLINEN KORKEAKOULU

(University of Jyväskylä)

JYVÄSKYLÄ

Telephone: 14920.

Founded 1934.

Rector: M. I. TAKALA.
Vice-Rector: N. J. MÄKI.
Secretary: P. SILLANTAUS.

Number of teachers: 120, including 13 professors.

Number of students: 1,900, including about 300 to be admitted in August.

Publications: *Acta Academiae Paedagogicae Jyväskyläensis,* since 1962 published in two parts: "*Studia Historica Jyväskyläensia*" and "*Jyväskylä Studies in Education, Psychology and Social Research*"; *Kasvatus ja Koulu* (periodical).

DEANS:

Faculty of Philosophy: Prof. M. JOKIPII (School of History and Philology), Prof. N. J. MÄKI (School of Pedagogics).
Teachers' Training College: Prof. M. H. HAAVIO.

PROFESSORS:

ERÄMETSÄ, E. H., German Language
HAAVIO, M. H., Pedagogics
JOKIPII, M., History
MÄKI, N. J., Special Education
OJALA, A., Literature
PENTTILÄ, A. E., Finnish Language
TAKALA, M. I., Psychology
(Vacant—English Language, Philosophy, and Theoretical Pedagogics, Physical Education-Pedagogics, Physical Education-Physiology, Sociology and Swedish Language)

HANDEKSHÖGSKOLAN VID ÅBO AKADEMI

(School of Economics at the Åbo Swedish University)

ÅBO, HENRIKSGATAN 7

Telephone: 20960.

Founded 1927.

Rector: Prof. E. WÄNNINEN.
Secretary: INGA FORSSELL.

Number of teachers: 35, including 6 professors.

Number of students: 199 men, 120 women, total 319.

Publications: *Skriftserie, Årsberättelse* (Annual Review).

PROFESSORS:

BARFOD, B., CAND.POLIT., Marketing
BJORKQVIST, H., D.POL.SC., Economics
WAHLBECK, L., ECON.D., Business Administration and Accountancy

Professors holding office *pro tempore:*
ERIKSON, G. A., FIL.D., Commercial Geography
TAXELL, L. E., JURIS.D., Commercial Law
WÄNNINEN, E. V., Chemistry

KAUPPAKORKEAKOULU

(Helsinki School of Economics)

HELSINKI, RUNEBERGINKATU 14-16

Telephone: 440211.

Founded 1911.

Chancellor: B. SUVIRANTA, PH.D.
Rector: P. HEINÄNEN, D.SC.
Vice-Rector: J. HONKO, ECON.D.
Secretary: O. TARPILA, B.L.

Number of teachers: 86, including 14 professors.

Number of students: 1,058 men, 919 women, total 1,977.

PROFESSORS:

HEINÄNEN, P., D.SC., Commodity Studies and Technology
HONKO, J., ECON.D., Business Administration, Accountancy
JAATINEN, S., PH.D., Economic Geography
KASKIMIES, M., ECON.D., Marketing
MATTILA, S., PH.D., Mathematics and Statistics
MUUKKONEN, P., LL.D., Commercial Law
PAAKKANEN, J., ECON.D., Economics
RANINEN, H., LL.D., Business Administration and Management
SAARIO, M., ECON.D., Business Administration and Accountancy
TAMMINEN, M., PH.D., Economics
TARKIAINEN, R., PH.D., Political Science
TELARANTA, K., LL.D., Commercial Law
VAIVIO, F., ECON.D., Economics
(Vacant—Business Administration, Management

SVENSKA HANDELSHÖGSKOLAN

(Swedish School of Economics)

HELSINKI, ARKADIAGATAN 22

Telephone: 440291.

Founded 1909.

Rector: Prof. C. OLSSON.
Vice-Rector: Prof. I. HUSTICH.
Secretary: G. WESTERLUND.
Librarian: G. KIRKKONEN, PH.D.

Number of teachers: 64, including 8 professors.

Number of students: 515 men, 487 women, total 1,002.

Publications: *Svenska Handelshögskolan, Årsberättelse* (Annual Bulletin), *Reports, Ekonomi och sam hälle, Skrifter utgivna av Svenska Handelshögskolan, Helsingfors, Studiehandbok*

PROFESSORS:

FOUGSTEDT, G., Statistics
GRANLUND, Å., Swedish Language
HUSTICH, I., Economic Geography
KRUSIUS-AHRENBERG, L., History and Political Science
MEINANDER, N., Economics
MICKWITZ, G., Economics
OLSSON, C., Commercial Law
WAHLBECK, L., Business Administration

TEKNILLINEN KORKEAKOULU

(Institute of Technology)

OTANIOMI, HELSINKI

Telephone: 630771.

Founded 1908.

Rector: Prof. S. E. STENIJ.
Vice-Rector: V. KUUSKOSKI, D.SC.
Secretary: M. LIESTO.

Number of teachers: 334, including 68 professors.

Number of students: 3,332 men, 232 women, total 3,564

DEANS:

Department of Technical Physics: Prof. O. LOUNASMAA.
Department of Civil Engineering: Prof. K. SAVOLAINEN.
Department of Mechanical Engineering: Prof. T. E. HÄYRINEN.
Department of Electrical Engineering: Prof. J. J. JAUHIAINEN.
Department of Wood and Paper Engineering: Prof. N. RYTI.
Department of Chemistry: Prof. P. KIVALO.
Department of Mining and Metallurgy: Prof. K. N. JÄRVINEN.
Department of Surveying: Prof. R. S. HALONEN.
Department of Architecture: Prof. E. S. SUHONEN.
Department of General Sciences: Prof. P. V. LAASONEN.

PROFESSORS:

BLOMBERG, H., D.SC., Theoretical Engineering
BLOMSTEDT, A., Architecture
CASTRÉN, V. V., M.SC., Hydraulics
ERÄMETSÄ, K. O., D.SC., Inorganic Chemistry
HALONEN, R. S., D.SC., Photogrammetry
HARVA, O. J., D.SC., Organic Chemical Technology
HÄYRINEN, T. E., B.ENG., Textile Engineering
HELENELUND, K. V., D.SC., Foundations, Soil Mechanics
HIRVONEN, R. A., PH.D., Goedesy
HUKKI, R. T., D.SC., Mineral Dressing
IMMONEN, V. N., D.SC., Power Plants and Energy Economics
JANSSON, J.-E., D.SC., Ship Construction
JÄRVINEN, K. N., B.ENG., Mining
JASKARI, O., D.SC., Economics
JAUHIAINEN, J. J., B.ENG., Weak Current Engineering
JAUHO, P. A. O., PH.D., Nuclear Physics
KAITERA, P. V., B.ENG., D.SC., Agricultural Hydraulics
KIVALO, P., D.SC., Physical Chemistry
KIVIMAA, E. M., D.SC., Mechanical Technology of Wood
KIVINEN, M. O., D.SC., Town Planning
KIVISALO, B., M.SC., Bridge Construction
KORHONEN, U. K., PH.D., Physics
KUUSKOSKI, V. N., D.SC., Building Construction
LAASONEN, P. V., PH.D., Mathematics
LINNALUOTO, V. V., M.A., M.SC., Aeronautics
LOKKI, O. K., PH.D., Mathematics
MIEKK-OJA, H., PH.D., Metallography
MIKKOLA, A., PH.D., Mineralogy and Geology
MURTO, J. O., M.SC., Chemical Technology of Wood
NIINI, E. M., D.SC., Industrial Economy
NISKANEN, E. V., PH.D., Strength of Materials
NYMAN, G. A., D.SC., Organic Chemistry
OKSALA, O. A. K., M.A., Management and Psychology in Industry
PAAVOLA, M. J., D.SC., Electrical Engineering
PERNAJA, V. A., Buildings, Building Materials
PYÖKÄRI, T. O., D.SC., Electrical Machinery
RAHOLA, J. J., B.ENG., D.SC., Ship Construction
RUUSUVUORI, A. E., Architecture
RYTI, K. J., H. D.SC., Heat Engineering and Machinery
RYTI, N. E., LIC.TECH., Paper Engineering
SAHLBERG, P.-H., B.ENG., Steam Technology
SAVOLAINEN, K. J., M.SC., Railway and Highway Construction
SERLACHIUS, J. O., B.ENG., Mechanical Technology
STENIJ, S. E., PH.D., Mechanics
SUHONEN, E. S., Building Construction
TIKKA, U. J. K., PH.D., Biochemistry
TIKKANEN, M. H. A., D.SC., Metallurgy
TIURI, M., D.SC., Radio Engineering
VERKKOLA, T. R., B.ENG., Internal Combustion Engines
VOIPIO, E., D.SC., Theoretical Electrical Engineering
VUORELAINEN, O. M., D.SC., Sanitary Engineering
VUORIO, O. H., LIC.TECH., Textile Engineering
WICKBERG, N. E., History of Architecture
WIIALA, A. K., D.SC., Land Distribution
WUOLIJOKI, J. R., D.SC., Machinery
YLINEN, A. A. J., B.ENG., D.SC., Theory of Structures

TURUN KAUPPAKORKEAKOULU

(Turku School of Economics)

TURKU, REHTORINPELLONTIE 5

Telephone: 18082.

Founded 1950.

Chancellor: A. SIPILÄ, LL.D.
Rector: A. A. SÄNTTI, PH.D.
Vice-Rector: A. O. AALTONEN.
Secretary: P. KOSKINEN, B.L.

Number of teachers: 55, including 7 professors.

Number of students: 346 men, 198 women, total 544.

Publication: *Turun Kauppadorkeakoulun julkaisuja.*

PROFESSORS:

AALTONEN, A. O., LL.D., Commercial Law
HALME, V., PH.D., Economics
LOUHIJA, J., P.D., Finnish Language, Theory of Style (Acting)
PIMIÄ, L., PH.D., Mathematics and Statistics (acting)
RANINEN, H., LL.D., Business Administration and Management (acting)
SAARIO M., ECON.D., Business Administration and Accountancy (acting)
SANTTI, A. A., PH.D., Economic Geography

YHTEISKUNNALLINEN KORKEAKOULU

(School of Social Sciences)

TAMPERE, KALEVANTIE 4

Founded 1925.

Chancellor: Prof. E. SAARI, PH.D.
Rector: Prof. P. KOLI, PH.D.
Vice-Rector: Prof. U. HARVA, PH.D.
Secretary: A. LINKOVAARA, M.A.
Librarian: A. SEPPÄLÄ, M.A.

Number of teachers: 56, including 26 professors and 5 assoc. professors.

Number of students: 1,074 men, 1,645 women, total 2,719.

Publication: *Yhteiskunta* (Year Book).

PROFESSORS:

ALANEN, A., PH.D., History
HARVA, U., PH.D., Adult Education
HEIKKINEN, V., PH.D., Pedagogy
KIISKINEN, A., PH.D., Economics
KOLI, P., PH.D., Sociology
KYYRO, K., PH.D., History of Literature
NIEMINEN, A., PH.D.,(SOC.SC.), Social Policy
NUMMENMAA, T., PH.D., Psychology
PETTERSSON, B., PH.D., Nordic Philology
SIRO, P., PH.D., Finnish Language
VEHMAS, R., PH.D., Journalism and Mass Communication
(Vacant—Administrative Law, Business Economics and Administration, Data Processing, Economics, English Philology, Finnish Literature, General History, German Philology, International Economics, Municipal Administration, Politicial Scence, Public Administration, Social Psychology, Sociology, Statistics)

ELÄINLÄÄKETIETEELLINEN KORKEAKOULU

(College of Veterinary Medicine)

HELSINKI, HÄMEENTIE 57

Founded 1945.

Rector: Prof. V. RISLAKKI.
Secretary: A. MÄKINEN.
Librarian: A. SETÄLÄ.

Number of teachers: 34, including 11 professors.

Number of students: 145.

PROFESSORS:

KALLEKA, K., Animal Hygiene
MOBERG, R., Obstetrics and Gynæcology
PAATSAMA, S., Surgery
REINIUS, L., Food Hygiene
RISLAKKI, V. H. R., Microbiology and Epizoology
STENIUS, P. I., Pathology
TALANTI, S., Anatomy and Embyrology
TURPEINEN, O., Biochemistry
WESTERMARCK, H., Pharmacology and Toxicology
(Vacant—Internal Medicine and Physiology)

Helsingin Teknillinen Oppilaitos: Agricolankatu 1-3, Helsinki; all branches of Engineering, except Architectural designing and Chemistry.

Rector: Y. J. CL. COLLAN.
Vice-Rector: H. J. HELVELAHTI.

Number of teachers: 260.

Number of students: 2,300 men, 7 women.

Tampereen Teknillinen Oppilaitos: Pyynikintie 2, Tampere.

Tekniska läroverket i Helsingfors: Apollogatan 8, Helsingfors.

Turun Teknillinen Oppilaitos: Luostarinkatu 16, Turku.
Rector: L. A. J. Rousi.
Vice-Rector: Y. K. Vuori.

SCHOOLS OF ART AND MUSIC

ATENEUM
(Academy of Art)
HELSINKI

Rector: E. A. Koponen.

Number of teachers: 11.

SIBELIUS-AKATEMIA
(Sibelius Academy)
HELSINKI,
POHJOIS-RAUTATIEKATU 9

Telephone: 444 999.

Founded 1882.

President: R. Vevanlinna.

Rector: T. Kuusisto.

Chief Administrative Officer: V. Helasvuo.

Secretary: T. Teerisuo.

Librarians: Miss Helvi Leiviskä, P. Soini.

Number of teachers: 131.
Number of students: 669.

Number of students: Highest Degree 74, Middle Degree 180, School Education Dept. 101, Church Music Dept. 88, Military Music 45, Preparatory Course 170, total 658.

Deans:

School Music Department: M. Rautio.

Church Music Department: H. Andersén.

Professors:

Bergman, E., Composition
Ignatius, Mrs. Anja, Violin
Lehtinen, M., Singing
Mikkilä, T., Piano
Paavola, M., Piano Pedagogy
Raussi, P., Organ
Rautio, E., 'Cello

FRANCE

Population 48,133,000

ACADEMIES

L'INSTITUT DE FRANCE

23 QUAI DE CONTI, PARIS 6e

Founded 1795

BOARD FOR 1965:

President: ALBERT LAPRADE (Académie des Beaux-Arts).

Vice-Presidents: MAURICE GENEVOIX (Académie Française), RAYMOND LEBÈGUE (Académie des Inscriptions et Belles-Lettres), JACQUES TREFOUEL (Académie des Sciences), GEORGES DAVY (Académie des Sciences morales et politiques).

Secretary: EMMANUEL BONDEVILLE, Permanent Secretary of the Académie des Beaux-Arts.

Chancellor, Institut de France: JACQUES RUEFF.

Librarian: Mme. HAUTECOEUR-MILLIEZ.

Director of Services: PHILIPPE BRISSAUD.

Technical Counsellor: Mme. PERSIN.

Prizes of the Institute: Prix Osiris, d'Aumale and Jaffe.

The Institute is composed of the following five Academies:

(1) **Académie Française:** f. 1635 by Louis XIII; Dir. elected quarterly; Permanent Sec. MAURICE GENEVOIX; Sec. DANIEL OSTER; 40 elected members; Prizes: Grand Prix de Littérature, Grand Prix du Roman, Prix Brieux, Prix Montyon, Prix Gobert for historical works and others.

MEMBERS:

MAURIAC, FRANÇOIS (1933).
DUHAMEL, GEORGES (1935).
LACRETELLE AMAURY, JACQUES DE (1936).
MAUROIS, ANDRÉ (1938).
BROGLIE, LOUIS VICTOR PIERRE RAYMOND, DUC de (1944).
VALLERY-RADOT, LOUIS PASTEUR (1944).
GARÇON, MAURICE (1946).
PAGNOL, MARCEL (1946).
ROMAINS, JULES (1946).
GILSON, ETIENNE (1946).
GENEVOIX, MAURICE (1946).
FRANÇOIS-PONCET, ANDRÉ (1952).
JUIN, ALPHONSE PIERRE (1952).
GAXOTTE, PIERRE (1953).
LEVIS MIREPOIX, Duc de (1953).
CARCOPINO, JÉRÔME ERNEST JOSEPH (1955).
D'ORMESSON, VLADIMIR (1956).
CHAMSON, ANDRÉ (1956).
CHASTENET, JACQUES (1956).
ACHARD, MARCEL (1959).
DELAY, JEAN (1959).
ROSTAND, JEAN-EDMOND (1959).
TROYAT, HENRI (1959).
MONTHERLANT, HENRY DE (1960).
MASSIS, HENRI (1960).
HUYGHE RENÉ (1960).
CLAIR, RENÉ (1960).
GUITTON, JEAN (1961).
TISSERANT, H. E. Cardinal EUGÈNE GABRIEL GERVAIS LAUDENT (1961).
GUEHENNO, JEAN (1962).
BOEGNER, MARC (1962).
KESSEL, JOSEPH (1962).
PAULHAN, JEAN (1963).
ARMAND, LOUIS (1963).
MAULNIER, THIERRY (1964).
BRION, MARCEL (1964).
RUEFF, JACQUES (1964).

(2) **Académie des Inscriptions et Belles-Lettres:** f. 1663 by Louis XIV; 40 members, 15 free members, 12 foreign associates, 30 French and 40 foreign correspondents; Permanent Sec. GEORGES TESSIER; Pres. RAYMOND LEBÈGUE; Vice-Pres. PIERRE PETOT; publs. *Comptes Rendus, Mémoires, Notices et Extraits des MSS., Savants Etrangers, Monuments Piot*, etc.

MEMBERS:

CARCOPINO, JÉRÔME ERNEST JOSEPH (1930).
PICARD, CHARLES (1932).
ERNOUT, ALFRED GEORGES (1934).
BRUNEL, CLOVIS (1937).
SAMARAN, CHARLES MAXIME DONATIEN (1941).
MAZON, ANDRÉ AUGUSTE (1941).
VIROLLEAUD, JEAN CHARLES GABRIEL (1941).
DESCHAMPS, PAUL (1942).
LA COSTE-MESSELIÈRE, PIERRE PAUL MARIE FERNAND MÉDÉRIC FROTIER .Marquis de (1944).
PIGANIOL, ANDRÉ FÉLIX GUY (1945).
LANTIER, RAYMOND (1946).
RENOU, LOUIS (1946).
FAWTIER, ROBERT (1946).
ROBERT, LOUIS (1948).
DHORME, EDOUARD (1948).
BAYET, ALEXIS JEAN (1948).
PERRIN, CHARLES-EDMOND (1950).
DEMIÉVILLE, PAUL HENRI (1951).
BATAILLON, MARCEL (1952).
CHANTRAINE, PIERRE (1953).
SCHAEFFER, CLAUDE (1953).
TESSIER, GEORGES (1953).
MONTET, PIERRE (1953).
GRABAR, ANDRÉ (1955).
LEBÈGUE, RAYMOND (1955).
PETOT, PIERRE (1957).
WIET, GASTON (1957).
FESTUGIÈRE, JEAN ANDRÉ (1958).
COORNAERT, EMILE (1958).
BOYANCÉ, PIERRE (1959).
BENVENISTE, EMILE (1960).
DUPONT-SOMMER, ANDRÉ (1962).
BOSSUAT, ROBERT (1962).
PUECH, HENRI-CHARLES (1962).
CHARBONNEAUX, JEAN (1962).
LEJEUNE, MICHEL (1963).
PARROT, ANDRÉ (1963).
HUBERT, JEAN (1963).
COURCELLE, PIERRE (1965).

Free Members:

TISSERANT, H. E. Cardinal EUGÈNE GABRIEL GERVAIS LAUDENT (1938).
MASSÉ, MARIE NICOLAS PHILIPPE HENRI (1941).
SALIN, EDOUARD (1952).
SEYRIG, HENRI (1952).
TERRASSE, HENRI (1953).
MOLLAT, GUILLAUME (1954).
GABRIEL, ALBERT (1957).
COEDÈS, GEORGE (1958).
BENOIT, FERNAND (1958).
MAROT, PIERRE (1958).
SCHLUMBERGER, DANIEL (1958).
POINSSOT LOUIS (1962)
VAUX .ROLAND GUERIN DE (1962).
MIRAMBEL, ANDRÉ (1965).

(3) **Académie des Sciences:** f. 1666 by Louis XIV; 66 ordinary members, 10 free members, 12 non-resident members, 6 members for the application of science to industry, 20 foreign associates and 120 correspondents; Permanent Sec. LOUIS DE BROGLIE (Mathematical Sciences), ROBERT COURRIER (Natural Sciences); Pres. JACQUES TREFOUEL; Vice-Pres. MAURICE ROY; publs. *Comptes Rendus, Notices et Discours, Annuaire.*

MEMBERS:

Section I. Geometry:

JULIA, GASTON MAURICE (1934).
MONTEL, PAUL ANTOINE (1937).
DENJOY, ARNAUD (1942).
GARNIER, ÉDOUARD LOUIS MARIE RENÉ (1952).
FRÉCHET, RENÉ MAURICE (1956).
LEVY, PAUL PIERRE (1964).

Section II. Mechanics:

VILLAT, HENRI RENÉ PIERRE (1932).
CAQUOT, ALBERT IRÉNÉE (1934).
BÉGHIN, HENRI (1946).
ROY, MAURICE (1949).
LERAY, JEAN (1953).
LICHNEROWICZ, ANDRÉ LÉON JEAN MAURICE (1963).

Section III. Astronomy:

MAURAIN, CHARLES (1930).
FAYET, GASTON JULES (1935).
DANJON, ANDRÉ-LOUIS (1948).
COUDER, ANDRÉ-JOSEPH ALEXANDRE (1954).
COULOMB, JEAN MARIE FRANÇOIS JOSEPH (1960).
LALLEMAND, ANDRÉ (1961).

Section IV. Geography and Navigation:

BARRILLON, EMILE GEORGES (1938).
POIVILLIERS, GEORGES JEAN (1946).
TARDI, PIERRE ANTOINE ERNEST (1956).
BRARD, ROGER ÉMILE MARIE (1956).
GOUGENHEIM, ANDRÉ (1962).

Section V. Physics:

LEPRINCE-RINGUET, LOUIS MARIE EDMOND (1949).
PERRIN, FRANCIS HENRI JEAN SIEGFRIED (1953).
TRILLAT, JEAN-JACQUES MARIE JOSEPH (1959).
LECOMTE, JEAN (1959).
LAVAL, JEAN BAPTISTE (1960).
KASTLER, ALFRED HENRI FREDERIC (1964).

Section VI. Chemistry:

DELÉPINE, MARCEL (1930).
PASCAL, PAUL VICTOR HENRI (1945).
DUFRAISSE, CHARLES ROBERT (1948).
CHAUDRON, GEORGES LÉON (1954).
CHAMPETIER, GEORGES-HIPPOLYTE (1961).
ROCHE, JEAN CASIMIR HENRI HILAIRE (1963).

Section VII. Geology:

GRANDJEAN, FRANÇOIS ALFRED (1937).
PRUVOST, PIERRE EUGÈNE MARIE JOSEPH (1954).
PIVETEAU, JACQUES HONORÉ JEAN MARIE (1956).
WYART, JEAN-LÉON (1959).
ARAMBOURG, LOUIS-JOSEPH-CAMILLE (1961).
ORCEL, JEAN (1963).

Section VIII. Botany:

SOUÈGES, ETIENNE CHARLES RENÉ (1943).
HEIM, ROGER JEAN (1946).
HUMBERT, JEAN HENRI (1951).
PLANTEFOL, LUCIEN (1957).
GAUTHERET, ROGER-JEAN (1958).
BUVAT, ROGER-ANDRÉ (1965).

Section IX. Zoology:

WINTREBERT, PAUL MARIE JOSEPH (1938).
GRASSÉ, PIERRE PAUL (1948).
FAURÉ FREMIET, EMMANUEL (1959).
WOLF, ÉTIENNE CHARLES (1963).
GALLIEN, LOUIS EUGÈNE (1965).

Section X. Rural Economy:

LEMOIGNE, MAURICE AUGUSTE (1952).
DUJARRIC DE LA RIVIÈRE, AUGUSTE RENÉ (1954).
FABRE, RENÉ JEAN MARIE (1955).
BRESSOU, CLÉMENT JEAN PIERRE FRANÇOIS EMMANUEL (1956).
FONTAINE, MAURICE ALFRED (1957).
PRÉVOT, ANDRÉ ROMAIN (1963).

Section XI. Medicine and Surgery:

BINET, LÉON RENÉ (1942).
ALLAINES, FRANÇOIS LOUIS PAUL DE GAUDART D' (1956).
DEBRÉ, ROBERT ANSELME (1961).
TURPIN, RAYMOND-ALEXANDRE (1962).
BENARD, HENRI-AUGUSTE (1962).
CORDIER, GASTON JEAN (1962).

Free Members:

DUCLAUX, JACQUES EUGÈNE (1939).
TRÉFOUEL, JACQUES GUSTAVE MARIE (1947).
LACASSAGNE, ANTOINE (1949).
DASSAULT, DARIUS PAUL (1953).
LÉPINE, PIERRE RAPHAEL (1961).
MOUREU, HENRI (1960).
FESSARD, ALFRED EUGÈNE (1963).
MONOD, ANDRÉ THÉODORE (1963).
HALPERN, BERNARD (1964).
LUCAS, RENÉ AUGOSTE (1964).

Non-Resident Members:

CAMICHEL, CHARLES MOÏSE (1936).
SERGENT, ETIENNE LOUIS MARIE EDMOND (1936).
DUPOUY, GASTON LÉOPOLD (1950).
NÉEL, LOUIS EUGÈNE FÉLIX (1953).
ESCANDE, LÉOPOLD CHARLES MARIE JEAN BAPTISTE (1954).
MALLEMANN, RENÉ JEAN GÉRARD HENRI DE (1955).
VANDEL, ALBERT PAUL MARIE (1956).
MORET, LÉON MARIE-LOUIS (1957).
MILLOUX, PAUL-HENRI (1959).
DUFAY, JEAN CLAUDE BARTHELEMY (1963).
POLICARD, ALBERT (1963).
DANGEARD, PIERRE JEAN LOUIS (1964).

Members for the Application of Science to Industry:

DARRIEUS, GEORGES (1946).
PARODI, HIPPOLYTE (1949).
PERRIN, RENÉ (1955).
LÉAUTÉ, ANDRÉ PIERRE MARCEL (1958).
VELLUZ, LÉON ANTOINE (1961).
PONTE, MAURICE JULES HENRY (1963).

(4) **Académie des Beaux-Arts:** f. 1803; 50 ordinary members, 10 foreign associates, 50 correspondents; Perm. Sec. EMMANUEL BONDEVILLE; Pres. (1965) A. LAPRADE; publ. *Annuaire de l'Académie des Beaux-Arts.*

MEMBERS:

Section I. Painting:

JOUVE, PAUL (1945).
SOUVERBIE, JEAN (1946).
UNTERSTELLER, NICOLAS (1946).
HEUZÉ, EDMOND (1948).
BOUCHAUD, JEAN (1951).
FONTANAROSA, LUCIEN (1955).
GIESS, ALFRED (1955).
BRAYER, YVES (1957).
CHEYSSIAL, GEORGES (1958).
PLANSON, ANDRÉ (1960).
LURÇAT, JEAN (1964).
GOERG, EDOUARD (1965).

Section II. Sculpture:

LEJEUNE, LOUIS AIMÉ (1941).
GRANGE, CLAUDE (1950).
BELMONDO, PAUL (1960).
JANNIOT, ALFRED (1960).
NAVARRE, HENRI (1961).
MARTIN, RAYMOND (1961).
DIDERON, LOUIS (1962).
CARTON, JEAN (1964).

Section III. Architecture:

LEMARESQUIER, CHARLES (1938).
NICOD, CHARLES (1956).
CARLU, JACQUES (1957).
LAPRADE, ALBERT (1958).
SÉASSAL, ROGER (1960).
LE MARESQUIER, NOËL (1961).
BEAUDOUIN, EUGÈNE (1961).

Section IV. Engraving:

DROPSY, HENRI (1942).
DECARIS, ALBERT (1943).
GALANIS, DEMETRIUS (1945).
LEMAGNY, PAUL PIERRE (1949).

Section V. Musical Composition:
BUSSER, HENRI (1938).
PARAY, PAUL (1950).
DUPRÉ, MARCEL (1956).
AUBERT, LOUIS (1956).
BONDEVILLE, EMMANUEL (1959).
AURIC, GEORGES (1962).

Section VI. Free Members:
DORIA, ARNAULD, Comte (1950).
HAUTECŒUR, LOUIS (1952).
CAIN, JULIEN (1952).
KUNSTLER, CHARLES (1954).
JAUJARD, JACQUES (1955).
SUBES, RAYMOND (1958).
CORNU, ANDRÉ (1962).
WEILLER, PAUL-LOUIS (1965).
ARBUS, ANDRÉ (1965).
DUMESNIL, RENÉ (1965).

(5) **Académie des Sciences morales et politiques:** f. 1832 by Louis-Philippe; 50 members; 12 foreign associates, 60 correspondents; Pres. (1965) GEORGES DAVY; Vice-Pres. MAURICE BAUMONT; Perm. Sec. EMILE MIREAUX; publs. *Revue des Travaux de l'Académie et Comptes Rendus de ses Séances, Ordonnances des Rois de France, Notices biographiques et bibliographiques.*

MEMBERS:

Section I. Philosophy:
DAVY, GEORGES (1952).
MARCEL, GABRIEL (1952).
POIRIER, RENÉ (1956).
GUEROULT, MARTIAL (1957).
SOURIAU, ÉTIENNE (1958).
GOUHIER, HENRI (1961).
ARON, RAYMOND (1963).
MESNARD, PIERRE (1964).

Section II. Moral and Sociological Sciences:
RECLUS, MAURICE (1937).
DUHAMEL, GEORGES (1944).
POMMIER, JEAN (1959).
LANGERON, ROGER (1960).
ARMAND, LOUIS (1960).
CLARAC, PIERRE (1964).
MARTIN-CHAUFFIER, LOUIS (1964).
DEBRAY, JEAN-ROBERT (1965).

Section III. Legislation, Public Law and Jurisprudence:
BASDEVANT, JULES (1944).
JULLIOT DE LA MORANDIÈRE, LÉON (1946).
CASSIN, RENÉ (1947).
PUAUX, GABRIEL (1951).
ROUSSELET, MARCEL (1959).
LE BRAS, GABRIEL (1962).
ARRIGHI, PAUL (1963).
CHEVALLIER, JEAN-JACQUES (1964).

Section IV. Political Economy, Statistics and Finance:
MIREAUX, EMILE (1940).
RUEFF, JACQUES (1944).
MOREAU-NÉRET, OLIVIER (1946).
ROY, RENÉ (1951).
POSE, ALFRED (1953).
GIGNOUX, CLAUDE-JOSEPH (1958).
GISCARD D'ESTAING, EDMOND (1960).

Section V. History and Geography:
RENOUVIN, PIERRE (1946).
BASTID, PAUL (1946).
DUNAN, MARCEL (1947).
CHASTENET, JACQUES (1947).
BAUMONT, MAURICE (1957).
DANSETTE, ADRIEN (1962).
TAPIÉ, VICTOR-L. (1963).

Section VI. General Section:
LÉPINE, JEAN (1935).
NOËL, LÉON (1944).
BOEGNER, MARC (1946).
KOENIG, PIERRE (1951).
GIRARDEAU, EMILE (1954).
BONNEFOUS, EDOUARD (1958).
DE LUBAC, HENRI (1958).
FRANÇOIS-PONCET, ANDRÉ (1961).
BAUMGARTNER, WILFRID (1965).

Foreign Associate Members:
UNDÉN, OESTEN, Sweden (1946).
BURCKHARDT, CARL J., Switzerland (1949).
EISENHOWER, DWIGHT D., U.S.A. (1950).
VANIER, GEORGE P., Canada (1951).
PAPI, GIUSEPPE UGO, Italy (1958)
DUPRÉEL, EUGÈNE, Belgium (1958).
DE MADARIAGA, SALVADOR, Spain (1959).
ERKIN, FERIDUN CEMAL, Turkey (1959).
BROGAN, Sir DENIS, U.K. (1962).
ADENAUER, KONRAD, Germany (1964).
DE VISSCHER, CHARLES, Belgium (1965).

Académie d'Agriculture: 18 rue de Bellechasse, Paris 7e; f. 1761; 90 mems. attached to sections on Arable Farming, Sylviculture, Animal Economy, Agricultural Economics, Physical Science, Natural History and Agricultural Engineering; Pres. LOUIS MARCENAC; Perm. Sec. ROBERT PRÉAUD; Perm. Treas. ANDRE CRAMOIS; library of 50,000 vols., 500 periodicals; publ. *Comptes rendus hebdomadaires des Séances de l'Académie d'Agriculture de France.*

Académie d'Architecture: 6-*bis* rue Danton, Paris 6e; f. 1840 as Société Centrale des Architectes, name changed 1953; 100 elected mems.; Pres. LOUIS AUBLET; Gen. Sec. C. CHARPENTIER.

Académie de Chirurgie: 12 rue de Seine, Paris 6e; 154 members; Sec. JEAN PATEL; publ. *Mémoires de l'Académie de Chirurgie.*

Académie de Marine: 13 rue de l'Université, Paris 7e; f. 1752; 65 members attached to sections on History, Law, Naval Equipment, Navigation, Military Affairs, Economics, Yachting, Mercantile Marine; Pres. Aml. SALA; Sec. G. A. FARIS.

Académie de Nîmes 16 rue Dorée, Nîmes (Gard); f. 1682; Pres. MARCEL GOURAN; Permanent Sec. E. LACOMBE; publs. *Mémoires annuelles.*

Académie de Pharmacie de Paris: 4 avenue de l'Observatoire, Paris 6e; f. 1803; 60 mems.; Pres. F. PREVET; Gen. Sec. R. FABRE; publ. *Annales Pharmaceutiques Françaises.*

Académie des Jeux Floraux: Hôtel d'Assézat, Toulouse (Haute Garonne); f. 1323; it is composed of 40 "mainteneurs" and 23 "Maîtres ès Jeux Floraux"; Permanent Sec. MARCEL SENDRAIL; publ. *Recueil de l'Académie des Jeux Floraux* (yearly).

Académie des Sciences, Agriculture, Arts et Belles-Lettres d'Aix: 2 rue du 4-Septembre, Aix-en-Provence (Bouches-du-Rhône); f. 1808; library of 100,000 vols.; collections of ceramics, paintings, sculpture and mineral specimens; Pres. JEAN BOËT; Sec. BRUNO DURAND.

Académie des Sciences, Belles-Lettres et Arts de Lyon: Palais des Arts, Lyons; f. 1700; 52 elected members; Sec.-Gen. and Librarian Dr. C. ROUX; publ. *Mémoires.*

Académie des Sciences d'Outre-mer: 15 rue La Pérouse, Paris 16e; f. 1922; 100 members attached to sections on Geography, Politics and Administration, Law, Economics and Sociology, Science and Medicine, Education; Pres. EUGÈNE GUERNIER; Permanent Treas. F. LOIRÉ; Permanent Sec. OSWALD DURAND; publs. *Comptes Rendus.*

Académie Nationale de Médecine: 16 rue Bonaparte, Paris 6e; f. 1820 by Louis XVIII; library of 260,000 vols.; 130 members attached to sections on Medicine, Surgery, Hygiene, Science, Veterinary Medicine, and Pharmacy; Permanent Sec. H. BÉNARD; publ. *Bulletin de l'Académie Nationale de Médecine.*

Académie Nationale des Sciences, Belles-Lettres et Arts de Bordeaux: 71 rue du Loup, Bordeaux (Gironde); f. 1712; 40 elected members; Perm. Sec. J. DE FEYTAUD.

Académie Vétérinaire de France (CSSF): 12 rue de Seine, Paris 6e; f. 1844; 41 members; Sec. Prof. C. BRESSOU; publ. *Bulletin* (monthly).

LEARNED SOCIETIES

Agriculture and Veterinary Science

Association Centrale des Vétérinaires: c/o Dr. Rousseau, 34 *bis* rue des Favorites, Paris 15e; publ. *Actualités et Culture Vétérinaires.*

Association Française pour l'Etude du Sol: Centre National de Recherches Agronomiques, Route de St.-Cyr, Versailles; publ. *Bulletin.*

Institut de Recherches Agronomiques Tropicales et des Cultures Vivrières: 110 rue de l'Université, Paris 7e.

Société Centrale d'Agriculture et de Pêche (CSSF): 14 avenue de St. Mandé, Paris 12e; f. 1889; 291 members; Pres. Prof. G. Bresse; Sec. J. Spillmann; Treas. G. M. Prioux; Archivist-Librarian G. Perche.

Société d'Agriculture, Sciences et Industrie de Lyon: 1 rue Chambonnet, Lyons; f. 1761; Sec. Dr. C. Roux; publ. *Annales.*

Société Française d'Economie Rurale: 14 blvd. Montmartre, Paris 9e; publ. *Economie Rurale.*

Société Nationale d'Horticulture de France (SNHF): 84 rue de Grenelle, Paris 7e; f. 1827; 13,000 members, 800,000 affiliated members; library of 10,000 vols.; Pres. Pierre Schneiter; Gen. Sec. Pierre Chaumier; publs. *Jardins de France, Revue Horticole-Annales de la SNHF.*

Société Vétérinaire Pratique de France: 28 rue des Petits-hôtels, Paris 10e.

Architecture and Town Planning

Compagnie des Architectes-Experts: près la Cour d'Appel de Paris et le Tribunal de Grande Instance de la Seine, 9 rue de Chaillot, Paris 16e; f. 1928; Pres. P. Bonpaix; Gen. Sec. A. Basdevant.

Confédération Générale des Architectes Français (CGAF): 16 place de la Madeleine, Paris 8e; f. 1920; Pres. E. Besnard Bernadac; Gen. Sec. J. Dorian.

Office Général du Bâtiment et des Travaux Publics: 9 avenue Victoria, Paris 4e; f. 1918; combines the majority of Societies, Unions and Federations of Architects and Contractors; Pres. R. Leroy; Secretariat: 100 rue du Cherche-Midi, Paris 6e.

Société des Architectes Diplômés par le Gouvernement: 100 rue du Cherche-Midi, Paris 6e; f. 1877; 2,200 mems.; Hon. Pres. M. J. Duvaux; Pres. Stéphane Claude; Vice-Pres. MM. J. Dorian and Pol-Jean; Gen. Sec. M. Ch. Rambert; publ. *Bulletin Mensuel.*

Société Nationale des Architectes de France: 20 boulevard du Montparnasse, Paris 15e; f. 1872; professional union; 500 members; Pres. C. Pâquet, Membre du Conseil Régional de l'Ordre de Paris, 29 rue Anatole France, Vincennes (Seine); Gen. Sec. Ch. Mathieu; publ. *Le Moniteur des Architectes—Bulletin de la Société Nationale.*

The Arts

Académie de Philatélie: 66 blvd. Raspail, Paris 6e; publ. *Documents Philatéliques.*

Association des Concerts Poulet: 252 Faubourg St. Honoré, Paris 8e; Pres. Gustave Cloez; Sec. M. Stahl.

Association Professionelle de l'Enseignement Musical: Dir. R. Breard, 65 rue Blomet, Paris 15e.

Jeunesses Musicales de France: 11 avenue Delcassé, Paris 8e; publ. *Journal Musical Français.*

Société d'Histoire du Théâtre: 55 rue St.-Dominique, Paris 7e.

Société de l'Histoire de l'Art Français (CSSF): Pavillon de Marsan, 107 rue de Rivoli, Paris 1er; f. 1870; 600 members; Pres. Léon Suzor; Gen. Sec. Suzanne Damiron; publs. *Bulletin* and *Archives de l'Art Français.*

Société des Amis du Louvre: 107 rue de Rivoli, Paris 1er; f. 1897; 25,000 members; Pres. Jacques Dupont; Sec.-Gen. Philippe Gangnat; publ. *Bulletin.*

Société des Artistes Décorateurs (SAD): avenue Alexandre III, Paris 8e; f. 1901; Pres. Placide Joliet; Gen. Sec. Mme Le Prévost.

Société des Artistes Français: Grand Palais des Champs-Elsées, Garis 8e; f. 1882; 4,000 members; its exhibition is held at the beginning of the summer; Pres. Jules Formigé; Gen. Sec. A. Chataigneau; publ. *Bulletin.*

Société des Artistes Indépendants: Grand Palais des Champs-Elysées, Cours la Reine, Garis 8e; f. 1884; 2,500 members; unites the majority of artists of modern tendency; annual exhibition of painting, sculpture, engravings and decorative art; Gen. Sec. Marguerite Sharon D'Obremer.

Société des Auteurs, Compositeurs et Editeurs de Musique: 10 rue Chaptal, Paris 9e.

Société du Salon d'Automne: Grand Palais, porte B, Paris 8e; f. 1903; Pres. R. Lotiron.

Société Française de Musicologie: 2 *bis* rue Vivienne, Paris 2e; publ. *Revue.*

Société Française de Photographie et Cinématographie: 9 rue Montalembert, Paris 7e; f. 1854; 1,780 members; library of 4,600 vols.; Sec.-Gen. Dr. F. Obaton.

Société J. S. Bach: 95 rue de Vaugirard, Paris 6e; Founder and Dir. Gustave Bret.

Société Nationale de Musique: 45 rue de la Boétie, Paris 8e; f. 1871; 135 members; Pres. Louis Aubert; Sec. Henri Martelli.

Société Nationale des Beaux-Arts: Grand Palais, Porte B, Paris 8e; f. 1890; Pres. Louis Renaudin; Gen. Sec. Alfred Lavergne.

Union Centrale des Arts Décoratifs: Pavillon de Marsan, 107 rue de Rivoli, Paris 1er; f. 1882; 2,000 members; library of 80,000 vols.; Pres. E. Claudius Petit; Curators of Museum M. Faré, F. Mathey; Administration Sec.-Gen. R. Bain; Librarian R. Salanon.

Bibliography and Library Science

Association amicale professionnelle des Archivistes Français: 60 rue des Francs-Bourgeois, Paris 3e; f. 1909; 400 mems.; Sec. E. Taillemite; publ. *La Gazette des archives* (quarterly).

Association de Documentation pour l'Industrie Nationale: 82 rue Taitbout, Paris 9e; f. 1911; Pres. M. Maire; Sec.-Gen. M. Garçon.

Association des Bibliothécaires Français (CSSF): 65 rue de Richelieu, Paris 2e; f. 1906; 800 members; Gen. Sec. J. Lethève; publ. *A.B.F. Bulletin d'Informations.*

Centre d'Archives et de Documentation Politiques et Sociales: 86 bd. Haussmann, Paris 8e; publ. *Informations Politiques et Sociales* (fortnightly).

Centre International de Documentation Classique (*Etudes Grecques, Latines, Bibliques, Médiévales, Préhistoire, Egyptologie, etc.*): 14 rue Paul Déroulède, Bois-Colombes (Seine); f. 1929; 3,700 mems.; Admin. (vacant); Librarian Nella Toussaint; publ. *Bulletin*

des Sommaires des 510 périodiques mondiaux et des livres reçus à la bibliothèque du Centre (twice monthly), *Index* (annual).

Société Internationale de Bibliographie Classique: 11 avenue du Parc Montsouris, Paris 14e; f. 1948; 600 members; Dir. P. WUILLEUMIER; publs. *L'Année philologique* (*Bibliographie de l'antiquité greco-latine* 1923 *ss*.).

ECONOMICS, LAW AND POLITICS

Association d'Etudes et d'Informations Politiques Internationales: 86 bd. Haussmann, Paris 8e; f. 1901; Sec. G. ALBERTINI; publ. *Est & Ouest* (twice monthly).

Centre d'Etudes de l'Orient Contemporain: 16 rue Lord-Byron, Paris 8e; publ. *Cahiers de l'Orient Contemporain*.

Centre d'Etudes de la Socio-Economie: c/o 244 rue de Rivoli, Paris 1er.

Centre d'Etudes de Politique Etrangère: 54 rue de Varenne, Paris 7e; publ. *Politique Etrangère*.

Centre de Formation aux Applications Industrielles de la Statisque: 9 Quai-Bernard, Paris 5e; Dir. D. DUGUE; publ. *Revue de Statistique Appliquée*.

Institut des Actuaires Français: 15 rue Bachaumont, Paris 2e; f. 1890; 160 members; library of 3,000 vols. Hon. Pres. HENRI AUTERBE; Pres. MARCEL HENRY; Gen. Sec. JEAN LAMSON; publs. *Bulletin trimestriel de l'Institut des Actuaires français*.

Société d'Economie et de Science Sociales: c/o Madame Grand, 16 blvd. Raspail. Paris 7e; f. 1856; concerned with social reforms; 300 mems.; Pres. PHILIPPE PÉRIER; Sec.-Gen. PAUL BALLOT; publ. *Les Etudes Sociales* (quarterly).

Société d'Economie Politique: c/o Librairie Sirey, 22 rue Soufflot, Paris 5e; publ. *Annales d'Economie Politique*.

Société d'Etudes Economiques et Documentaires: 23 rue de Constantinople, Paris 8e; publ. *Bulletin*.

Société d'Etudes et d'Informations Economiques: 55 rue de Châteaudun, Paris 9e; publ. *Perspectives*.

Société d'Etudes et de Documentation Economiques, Industrielles et Sociales: 205 blvd. St.-Germain, Paris 7e.

Société d'Histoire du Droit (CSSF): 22 rue Soufflot, Paris 5e; f. 1913; 275 members; Pres. Prof. PIERRE PETOT; Sec. (Vacant); publs. *Chartes de franchises de la France, Recueils de jurisprudence du Moyen-Age*, etc.

Société de Législation Comparée (CSSF): 28 rue St. Guillaume, Paris 7e; f. 1869; library of 80,000 vols.; 1,500 members; Gen. Sec. ANGE BLONDEAU; publs. *Revue Internationale de Droit Comparé*.

Société de Statistique de Paris (CSSF): 26 boulevard Haussmann, Paris 9e; f. 1860; 1,040 mems.; library of 60,000 vols.; Gen. Sec. MARCEL BRICHLER; Libr. Mlle LEBLANC; publ. *Journal de la Société de Statistique de Paris*.

EDUCATION

Association Française pour le Développement de l'Enseignement Technique: 42 rue de Bellechasse, Paris 7e; publ. *L'Enseignement Technique*.

Association Polytechnique pour le Développement de l'Instruction populaire: 28 rue Serpente, Paris 6e.

Centre d'Etudes Pédagogiques: 15 rue Louis David, Paris 16e; publs. *Pédagogie* (10 a year), *Parents et Maîtres* (4 a year).

Centre National d'Enseignement Technique: 61 ave. du Président Wilson, Paris 16e.

Comité Universitaire d'Information Pédagogique: 29 rue d'Ulm, Paris 5e; publs. in conjunction with Institut National Pédagogique; publs. *L'Education Nationale, Cahiers Pédagogiques*.

Institut Pédagogique National: 29 rue d'Ulm, Paris 5e; f. 1879; library contains 1,000,000 vols., mainly in the field of education; Dir. P. CHILOTTI; Dep. Dir. J. MAJAULT; numerous publications.

Attached Institutes:

Centre Internationale d'Etudes Pédagogiques de Sèvres: 1 rue Léon-Journault, Sèvres (S.-et-O.); Dir. Mme HATINGUAIS.

Centre National de Télé-Enseignement: 60 blvd. du Lycée, Vanves (Seine); Dir. Mme GENESTE.

Ligue Française de l'Enseignement (*Confédération Générale des Oeuvres Laïques*): 3 rue Recamier, Paris 7e; Pres. HENRI FAURÉ.

Société Française de Pédagogie: c/o Institut National Pédagogique, 29 rue d'Ulm, Paris 5e; f. 1902; 10,000 mems.; studies educational theories and teaching methods; Pres. A. BESLAIS; Gen. Sec. PIERRE CHEVALIER; publ. *Bulletin Trimestriel*.

Office National des Universités et Ecoles Françaises: 96 boulevard Raspail, Paris 6e; f. 1910 to develop cultural relations with other countries and their universities; Dir. MAURICE BAYEN.

Société Générale d'Education et d'Enseignement: 14 *bis* rue d'Assas, Paris 6e; f. 1868; publ. *L'Enseignement Libre*.

Société pour l'Instruction Elémentaire: 6 rue Fouarre, Paris 5e.

Union des Professeurs de Spéciales (CSSF): Musée Pédagogique, 29 rue d'Ulm, Paris 5e; f. 1928; 550 mems.; Pres. M. RAMIS; Sec. M. LÉVY.

HISTORY, GEOGRAPHY AND ARCHAEOLOGY

General

Comité Scientifique du Club Alpin Français: 7 rue La Boétie, Paris 8e; Pres. Prof. L. GLANGEAUD.

Fédération Française de Spéléologie: 130 rue Saint-Maur, Paris 11e; f. 1963; publ. *Spelunca*.

Société d'Ethnographie de Paris: Librairie Orientaliste Paul Geuthner, 12 rue Vavin, Paris 6e; publ. *L'Ethnographie*.

Société d'Ethnographie Française: Palais de Chaillot, Paris 16e; Pres. P. MAROT; Sec.-Gen. G. H. RIVIÈRE; publ. *Arts et Traditions Populaires* (quarterly).

Société de Mythologie Française: 8 rue Jean du Bellay, Paris 4e; f. 1949; 90 mems.; Dir. H. DONTENVILLE; publ. *Bulletin* (quarterly).

Société Française de Numismatique: Bibliothèque Nationale, Cabinet des Médailles, 58 rue de Richelieu, Paris 2e; f. 1865; 320 mems.; Pres. Dr. PIERRE BASTIENI; Gen. Sec. Mlle CLAUDE BRENOT; publs. *Revue Numismatique* (f. 1836) and *Bulletin Mensuel* (f. 1945).

Société Historique, Archéologique et Littéraire de Lyon: Mairie Central de Lyon (Rhône); f. 1807; Pres. R. GASCON; Sec. Mlle. F. COTTON; publ. *Bulletin*.

Archaeology

Société Française d'Archéocivilisation et de Folklore: Ecole Pratique des Hautes Etudes, 54 rue de Varenne, Paris 7e; f. 1946; Pres. ANDRÉ VARAGNAC; Gen. Sec. JEAN MELLOT.

Société Française d' Archéologie (CSSF): Musée National des Monuments Français, Palais de Chaillot, Paris 16e; f. 1834; 2,800 mems.; Pres. MARC THIBOUT; Gen. Sec. HUBERT SIGROS; publs. *Bulletin Monumental* (quarterly), *Congrès Archéologiques de France*.

Société Francaise d'Egyptologie: Collège de France, place Marcelin-Berthelot, Paris 5e; f. 1925; 400 mems.; Pres. G. POSENER; Sec. J. VERCOUTTER; publs. *Bulletin, Revue d'Egyptologie.*

Société Nationale des Antiquaires de France (CSSF): Palais du Louvre, Paris 1er; f. 1803; 55 elected members and 320 correspondents.

Société Préhistorique Française (SPF): 16 rue St. Martin Paris 4e; f. 1904; 2,600 mems.; Pres. Prof. L. BALOUT; Sec. G. GAUDRON; publ. *Bulletin* (every month).

Geography

Association de Géographes Français (CSSF); 191 rue St. Jacques, Paris 5e; f. 1920; 522 members; Pres. A. CHOLLEY; Sec. A. GUILCHER; publs. *Bulletin Mensuel* and *Bibliographie géographique annuelle.*

Comité National Français de Géographie: 191 rue Saint-Jacques, Paris 5e; co-ordinates French geographical activity and participates in the work of the International Geographical Union; 161 mems.; Pres. G. CHABOT; Sec.-Gen. J. DESPOIS.

Comité National Français de Géographie: 103 blvd. St.-Michel, Paris 5e; publ. *Bibliographie Cartographique Internationale.*

Institut Géographique National: 2 ave. Pasteur, St. Mandé.

Société d'Océanographie de France (CSSF): correspondence to Vice-Pres. M. MANLEY-BENDALL, "Le Roc", Mon. ségur (Gironde); f. 1897; 280 members; publ. *Bulletin.*

Société de Biogéographie (CNRS): 57 rue Cuvier, Paris 5e; f. 1924; 330 members; Sec.-Gen. M. BOURNÉRIAS; Publs. *Compte Rendu Sommaire des Séances, Mémoires hors-série.*

Société de Géographie: 184 boulevard St.-Germain, Paris 6e; library of 400,000 vols. at 8 rue des Petits-Champs, Paris 2e; Pres. Gen. LOUIS HURAULT; Sec. M. PERPILLOU; Librarian Mlle DE LA RONCIÈRE; publs. *Acta Geographica* (quarterly), *Bibliographie Mensuelle, Annales de Géographie.*

Société de Géographie Commerciale de Paris: 20 rue de Tournon, Paris 6e; f. 1873; Pres. ALFRED JACOBSON; Gen. Sec. Gen. JEAN CHARBONNEAU; library 20,000 vols.; publ. *Revue Economique Française.*

Société de Géographie de Lyon: 72 rue Pasteur, Lyon 7e; f. 1873; 700 mems.; Pres. J. LABASSE; Sec. M. ALLEFRESDE; publ. *Revue de géographie de Lyon et de la Région Lyonnaise* (*Les Etudes Rhodaniennes*) (quarterly).

Société des Océanistes: Musée de l'Homme, Palais de Chaillot, Paris 16e; f. 1938; 420 members; Pres. ROGER HEIM; Sec. Father O'REILLY; publs. *Journal* (annually), *Publications* (13 vols.).

History

Association Marc Bloch: 54 rue de Varenne, Paris 7e; f. 1945; Pres. F. BRAUDEL; Vice-Pres. G. FRIEDMANN, P. LEUILLIOT; for the study of the history of civilisation; publ. *Annales Economies Sociétés Civilisations* published jointly with Centre de Recherches Historiques, Ecole Pratique des Hautes Etudes.

Société Internationale d'Etudes Historiques Cercle Louis XVII: Hôtel des Sociétés Savantes, 28 rue Serpente, Paris 6e.

Centre d'Etudes Supérieures de Civilisation Médiévale: 24 rue de la Chaîne, Poitiers; publ. *Cahiers.*

Centre International d'Etudes Romanes: 43 rue Boissonade, Paris 14e; f. 1952; 1,000 mems.; Pres. LOUIS BRUN; Sec.-Gen. Mlle M. CHAVANON; publ. *Bulletin* (quarterly).

Deutsche Historische Forschungsstelle: 5 rue du Havre, Paris; Dir. Prof. Dr. EUGEN EWIG.

Institut des Sciences Historiques: 169 rue St.-Jacques, Paris 5e; publ. *La Science Historique.*

Institut Français d'Etudes Byzantines: 8 rue François-1er, Paris 8e; publ. *Revue des Etudes Byzantines.*

Institut Français d'Histoire Sociale: 12 ave. Soeur-Rosalie, Paris 13e.

Société d'Emulation du Bourbonnais: 11 place de la République, Moulins (Allier); f. 1846; 600 mems.; Pres. MARCEL GÉNERMONT; Gen. Sec. Dr. LOUGNON; publ. *Bulletin.*

Société d'Etude du XVIIe Siècle: 24 blvd. Poissonnière, Paris 9e; publ. *XVIIe Siècle.*

Société d'Histoire du Protestantisme Français: 54 rue des Saints-Pères, Paris 7e; f. 1852; Pres. M. GABRIEL PUAUX; Sec. Prof. PH. DE FÉLICE; Librarian Pasteur HENRI BOSC; library of 80,000 vols.; publ. *Bulletin Historique et Littéraire du Protestantisme Français.*

Société d'Histoire Générale et d'Histoire Diplomatique: 13 rue Soufflot, Paris 5e; publ. *Revue.*

Société d'Histoire Moderne (CSSF): 22 avenue de la Bourdonnais, Paris 7e; f. 1901; Pres. Prof. LOUIS GIRARD; Sec.-Gen. Prof. L. GENET; publs. *Bulletin de la Société d'histoire moderne, Revue d'Histoire Moderne et Contemporaine* (4 parts a year).

Société de l'Histoire de France: Ecole des Chartes, 19 rue de la Sorbonne, Paris 5e; f. 1833; Pres. G. PÉRIER DE FÉRAL; Sec. MICHEL FRANÇOIS; publs. *Annuaires, Bulletins, Mémoires, Textes inédits de l'histoire de France.*

Société des Etudes Historiques (CSSF): 44 rue de Rennes, Paris 6e; f. 1833; Pres. CHRISTIAN SCHAFFER; Sec.-Gen. M. DEBORDE DE MONTGORIN; Dir. EMM. RODOCANACHI; publ. *Revue des Études Historiques.*

Société Française d'Histoire d'Outre-Mer (formerly Société de l'Histoire des Colonies Françaises): 43 rue Cambon, Paris 1er; f. 1913; Hon. Pres. ROBERT DELAVIGNETTE; Pres. HUBERT DESCHAMPS; Vice-Pres. LOUIS RENAUDIN, PAUL ROUSSIER, Mlle BLANCHE MAUREL; Sec.-Gen. CARLO LAROCHE; publ. *Revue Française d'Histoire d'Outre-Mer* (quarterly).

INTERNATIONAL CULTURAL INSTITUTES

Alliance Française: 101 boulevard Raspail, Paris 6e; f. 1884; the oldest-established and most modern French language school for foreigners; affiliated to the University of Paris; Pres. WILFRID BAUMGARTNER; Sec.-Gen. MARC BLANCPAIN; Dir. of the School MAURICE BRUÉZIÈRE.

Association France-Grande-Bretagne: 16 rue de la Ville l'Evèque, Paris 8e; f. 1916.

Association Internationale pour la Culture Française à l'Etranger: 96 blvd. Raspail, Paris 6e.

British Council: 36 rue des Ecoles, Paris 5e; Representative C. F. S. DE WINTON, O.B.E.

Colegio do España en la Ciudad Universitaria: 7E boulevard Jourdan, Paris 12e.

Comité France-Amérique: 9 avenue Franklin-Roosevelt, Paris 8e; publ. *France-Amérique.*

Direction de la Coopération avec la Communauté et l'Etranger: 55 rue Saint Dominique, Paris 7e; Dir. M. STÉPHANE HESSEL.

Goethe Institut: 31 rue de Condé, Paris 6e; Dir. Dr. CHRISTIAN SCHMITT.

Institut Autrichien: 30 boulevard des Invalides, Paris 7e; Dir. Dr. GEORG HOHENWART.

Institut Collégial Européen, dit de Royaumont: Secretariat: Logis des Montains, Loches; Dir. GILBERT GADOFFRE; research seminars and conferences at Loches en Touraine and Versailles.

Institut France-Canada: 9 ave. Franklin-Roosevelt, Paris 8e; publ. *Informations Canadiennes.*

Institut Néerlandais: 121 rue de Lille, Paris 7e; f. 1956; Library of 15,000 vols.; Pres. F. LUGT; Dir. S. DE GORTER.

Istituto Italiano di Cultura: 50 rue de Varenne, Paris 7e; Dir. Prof. LUIGI FERRARINO; publ. *Notiziario Culturale Italiano* (monthly).

Société d'Etudes Hispaniques et de Diffusion de la Culture Française à l'Etranger: 65 rue Solférino, Périgueux; publ. *Gallia-Hispania.*

U.S. Information Centers: 1 Place de l'Odéon and 3 rue du Dragon; 4 brs. outside Paris.

LANGUAGE AND LITERATURE

Académie de Franche-Poésie: 3 square La Fontaine, Paris 16e; f. 1919; supervises the *Oeuvre Nationale des Etudes Poétiques*; comprises an école de poésie, a library and a salon; Pres. MARTIN-SAINT-RENÉ; publ. *Les Etudes Poétiques* (monthly).

Académie de la Pensée Littéraire et Musicale: André Ombreuse, 91 rue du Dessous-des-Berges, Paris 13e; publ. *Le Ménure.*

Académie des Lettres et des Arts: 12 rue Cortot, Paris 18e; f. March 20th, 1947; 11 mems.; awards the Prix de Paris; Sec.-Gen. PAUL YAKI.

Académie Goncourt: 2 rue Mabillon, Paris 6e, (President's address); f. 1896 by Edmond de Goncourt; composed of 10 members; members: ROLAND DORGELÈS (1929) (Pres.), ANDRÉ BILLY (1944), ALEXANDRE ARNOUX (1947), GÉRARD BAUER (1948) (Sec.), PHILIPPE HÉRIAT (1949), ARMAND SALACROU (1949), PIERRE MAC-ORLAN (1950), RAYMOND QUENEAU (1951), JEAN GIONO (1954), HERVÉ BAZIN (1958). The prize (5,000 francs) awarded at the end of each year by the Academy is regarded as a very high literary distinction.

Académie Mallarmé: 43 rue du Faubourg, Saint-Honoré, Paris 8e; Pres. GÉRARD D'HOUVILLE; Sec.-Gen. HENRY CHARPENTIER; Members: PIERRE CAMO, F. CARCO, H. CHARPENTIER, P. FORT, GÉRARD D'HOUVILLE, A. MARY, H. MONDOR, F. DE MIOMANDRE, V. MUSELLI, J. RIBEMONT DESSAUINE.

Académie Montaigne: Le Doyenné, Sillé-le-Guillaume (Sarthe); f. 1924; for the study of literature, awards an annual prize for research; 20 members elected in secret session; Sec. CONSTANT HUBERT.

Association des Ecrivains Combattants: 8 rue Roquépine, Paris 8e; f. 1919; 470 members; Pres. PIERRE CHANLAINE; Sec. MAURICE-CH. RENARD; publ. *Bulletin.*

Association des Ecrivains d'Expression Française de la Mer et de l'Outre-Mer: 41 rue de la Bienfaisance, Paris 8e; f. 1926; to unite French and foreign writers of colonial and maritime books in French; 700 mems.; presents four prizes annually; Pres. JEAN D'ESME; Sec.-Gen. M. VALLY.

Association Française des Professeurs de Langues Vivantes: c/o Institut Pédagogique National, 29 rue d'Ulm, Paris 5e; f. 1902; 7,000 members; Pres. JACQUES REBERSAT; Gen. Sec. M. SAUVADET; publ. *Les Langues Modernes* (two-monthly).

Association Guillaume Budé (CSSF): 95 Bd. Raspail, Paris 6e; f. 1917; 7,000 members; Pres. A. ERNOUT; Del.-Gen. JEAN MALYE; publishes ancient Greek, Latin, Byzantine, Indian, Arabic, Chinese, French and English classical texts with French translations and studies on history, philology and archæology; periodical publs. *Bulletin* and *Lettres d'Humanité.*

Centre National des Académies et Associations Littéraires et Savantes des Provinces Françaises: Musée des Arts et Traditions Populaires, Palais de Chaillot, Paris 16e.

Maison de Poésie (*Fondation Emile Blémont*): 11-*bis*, rue Ballu, Paris 9e; Pres. Mme GEORGE-DAY. Has a library of 16,000 vols.; annual prizes: Prix Petitdidier (30,000 francs), Prix Emile Blémont (10,000 francs), Prix Paul Verlaine (10,000 francs), Prix Edgar Poe (10,000 francs), Prix Gabriel Vicaire (10,000 francs), Prix Léon Riotor (10,000 francs), Prix Van Lerberghe (10,000 francs).

P.E.N. Maison Internationale: 66 rue Pierre Charron, Paris 8e; f. 1936; Gen. Sec. JEAN DE BEER; publ. *Bulletin* (every two months).

Société d'Etudes Dantesques: Centre Universitaire Méditerranéen, 65 Promenade-des-Anglais, Nice; f. 1938; Sec.-Gen. SIMON LORENZI; publ. *Bulletin.*

Société d'Histoire Littéraire de la France (CSSF): 18 rue de l'Abbé-de-l'Epée, Paris 5e; f. 1894; 150 members; Pres. J. POMMIER; Sec. P.-G. CASTEX; publ. *Revue d'Histoire Littéraire de la France* (quarterly).

Société de Linguistique de Paris (CSSF): Ecole des Hautes Etudes, Sorbonne, 47 rue des Ecoles, Paris 5e; f. 1864; 700 members; Sec. Prof. E. BENVENISTE; Admin. Prof. J. PERROT; publs. *Collection Linguistique, Bulletin.*

Société des Anciens Textes Français (CSSF): 19 rue de la Sorbonne, Paris 5e; f. 1875; 800 members; Pres. Prof. P. LE GENTIL; Dir. Prof. F. LECOY; Gen. Sec. Prof. J. MONFRIN; publs. old French texts.

Société des Auteurs et Compositeurs Dramatiques: II-*bis* rue Ballu, Paris 9e; f. 1791; Hon. Pres. CHARLES MÉRÉ, ROGER FERDINAND; Hon. Vice-Pres. ANDRÉ MOUEZY-EON; Pres. ARMAND SALACROU; Vice-Pres. RAYMOND BERNARD, HENRI BUSSER, MARC-CAB, SERGE VEBER; Members JEAN-JACQUES BERNARD, HENRI BETTI, PAUL COLLINE, JEAN DELANNOY, PIERRE DUMAYET, MICHEL DURAN, ARMAND LANOUX, ALFRED MACHARD, RAOUL PRAXY, SAINT-GRANIER, MAURICE YVAIN; publ. *Bulletin.*

Société des Etudes Germaniques: 4–6 rue de la Sorbonne, Paris 5e.

Société des Etudes Latines (CSSF): à la Sorbonne, 47 rue des Ecoles, Paris 5e; f. 1923; Adm. and Dir. M. DURRY; publs. *Revue des Etudes Latines* and *Collection d'études latines.*

Société des Gens de Lettres: Hôtel de Massa, 38 rue du Faubourg Saint-Jacques, Paris 14e; f. 1838; Gen. Sec. Mme GEORGE-DAY.

Société des Poètes Français: 15 rue Plumet, Paris 15e; f. 1902; 1,300 members; presents prizes annually; Sec.-Gen. ROBERT LACROIX DE L'ISLE; publ. *Bulletin Annuel.*

Syndicat des Critiques Littéraires: Hôtel de Soc. des Gens de Lettres, 38 rue du Faubourg Saint-Jacques, Paris 14e; f. Jan. 1949; 143 mems.; Pres. YVES GANDON; Sec. RENÉ GROOS; publ. *Bulletin du Syndicat.*

Union Nationale des Intellectuels (UNI): Maison de la Pensée Française, 2 rue Elysée, Paris 8e; aims at the federation of all intellectual societies and holds an annual congress for the purpose; Hon. Pres. GEORGES DUHAMEL; Pres. JEAN CASSOU.

MEDICINE

Association des Anatomistes (CNRS): 31 rue Lionnois, Nancy (Meurthe-et-Moselle); f. 1899; Gen. Sec. Prof. E. LEGAIT.

Association Française d'Urologie: 74 avenue la Bourdonnais, Paris 7e; f. 1896; 403 mems.; Hon. Pres. R. GOUVERNEUR; Pres. J. CIBERT; Vice-Pres. R. COUVELAIRE; Sec.-Gen. P. DELINOTTE; publ. *Mémoires* (annually).

Association Française de Chirurgie: 12 rue de Seine, Paris 6e; f. 1884; Sec. M. SÉNÈQUE.

Association Française pour l'Etude du Cancer: 15 rue de Bourgogne, Paris 7e; f. 1906; 350 members; Sec.-Gen. Dr. SIMONE LABORDE; publ. *Bulletin de l'Association.*

Association Générale des Médecins de France: 60 boulevard de Latour-Maubourg, Paris 7e; Pres. P. BAUDOUIN; Sec. Dr. TOUCHARD; publ. *Bulletin.*

Association pour le Développement des Relations Médicales entre la France et les Pays Etrangers: 12 rue Ecole de Médecine, Paris 6e.

Comité National de Défense contre la Tuberculose: 66 boulevard Saint-Michel, Paris 6e; f. 1916; 7,350 members; Dir.-Gen. M PILOD; publ. *Revue de la Tuberculose et de Pneumologie, Bulletin* (annual).

Confédération des Syndicats Médicaux Français: 60 boulevard de Latour-Maubourg, Paris 7e; f. 1930; 30,000 members; Pres. Dr. J. JONCHÈRES; Sec.-Gen. Dr. P. A. DEBUIVRE; publs. *Bulletin, Le Médecin de France.*

Fédération des Sociétés de Gynécologie et d'Obstétrique de Langue Française: 120 blvd. St.-Germain, Paris 6e; publ. *Bulletin.*

Fédération Nationale des Syndicats Départementaux de Médecins Electro-Radiologistes Qualifiés: 60 boulevard de Latour-Maubourg, Paris 7e; f. 1907; 1,300 members; Pres. Dr. ROBERT COLIEZ; Sec. Dr. CH. PROUX; publ. *Bulletin.*

Société d'Acupuncture: 16 rue Théodore de Banville, Paris 17e; f. 1945; 315 members; Pres. Dr. R. BRUNET; Sec. Dr. G. GRALL; publ. *Bulletin* (quarterly).

Société d'Electroencéphalographie et de Neurophysiologie Clinique de Langue Française: 120 blv. St.-Germain, Paris 6e; publ. *Revue Neurologique.*

Société d'Endocrinologie: c/o Librairie Doin, 8 place de l'Odéon, Paris 6e; Pres. GUY LAROCHE; Sec. M. DECOURT.

Société d'Histoire de la Pharmacie: 4 avenue de l'Observatoire, Paris 6e; f. 1913; 1,100 mems.; Pres. M. VALETTE; Sec. M. GUITARD; publ. *Revue d'Histoire de la Pharmacie* (quarterly).

Société d'Hygiène Publique et Sociale: Sec. M. GUILLERD, 30 avenue Reille, Paris 14e.

Société d'Odontologie de Paris: Ecole Dentaire de Paris, 45 rue de La Tour d'Auvergne, Paris 9e; f. 1880; 1,100 mems.; Pres. A. MARMASSE; Gen. Sec. A. LEPRETTE; publ. *Revue Française d'Odonto-Stomatologie* (monthly).

Société d'Ophtalmologie de Paris: 2 rue de Meissonier, Paris 17e; f. 1888; Sec.-Gen. Dr. GUILLAUMAT; publ. *Bulletin.*

Société de Chirurgie Thoracique de Langue Française: 15 rue Saint-Benoît, Paris 6e; Pres. FÉLIX MAGNIN; Sec.-Gen. JEAN-JACQUES GALEY.

Société de Dermatologie et Syphilographie: 37 rue Galilée, Paris 16e; Pres. M. GASTINEL; Sec. M. DEGOS.

Société de Gastronomie Médicale: 5 rue Berryer, Paris 8e.

Société de Médecine de Paris: 109 rue de Bellevue, Boulogne (Seine); f. 1796; Sec.-Gen. Dr. D. J. CARRAUD; publs. *Bulletin, Mémoires.*

Société de Médecine de Strasbourg: Faculté de Médecine, Strasbourg (Bas-Rhin); f. 1919; 450 mems.; organises medical conferences; Sec.-Gen. E. FORSTER; publ. monthly bulletin.

Société de Médecine Légale de France: Palais de Justice, 4 boulevard du Palais, Paris 1er; f. 1868; Pres. M. PIÉDELIÈVRE; Sec. M. DÉROBERT; publs. *Annales de médecine légale, de criminologie et de police scientifique.*

Société de Médecine Militaire Française: 277 *bis* rue St.-Jacques, Paris 5e; publ. *Bulletin.*

Société de Médecine Publique et de Génie Sanitaire: Institut Pasteur, 25–28 rue du Dr. Roux, Paris 15e; Sec.-Gen. Pr. Ag. M. MAISONNET (46 rue St. Liesne, Melun, S & M.).

Société de Neuro-Chirurgie de Langue Française: 120 blvd. Saint-Germain, Paris 6e.

Société de Pathologie Exotique: 120 blvd. St.-Germain, Paris 6e.

Société de Phlébologie: 63 boulevard des Invalides, Paris; f. 1947; 800 mems.; Pres. JEAN MARMASSE; Sec.-Gen. RAYMOND TOURNAY; publ. *Bulletin* (quarterly).

Société de Stomatologie de France: 20 passage Dauphine, Paris 6e; Sec.-Gen. Dr. R. BATAILLE.

Société des Chirurgiens de Paris: 60 boulevard de Latour-Maubourg, Paris 7e; f. 1909; 105 members; Sec.-Gen. CLAUDE HERTZ; publ. *Bulletin et Mémoires* (monthly).

Société Française d'Allergie: 15 rue St.-Benoît, Paris 6e; publ. *Revue.*

Société Française d'Anesthésie, d'Analgésie et de Réanimation: 12 rue de Seine, Paris 6e; Sec. Mme DELAHAYE-PLOUVIER; publ. *Anesthésie, Analgésie, Réanimation.*

Société Française d'Angéiologie et d'Histopathologie: 4 rue Pasquier, Paris 8e; f. 1947; 320 members; Sec. Dr. LOUIS GERSON; publ. *Angéiologie* (every two months).

Société Française d'Electroradiologie Médicale: 12 rue de Seine, Paris 6e; f. 1909; 950 members; Sec. M. DARIAUX; publ. *Journal de Radiologie d'Electrologie et de Médecine Nucléaire.*

Société Française d'Hématologie: 96 rue Didot, Paris 14e; Pres. R. CATTAN; Sec. JEAN BERNARD (86 rue d'Assas, Paris 6e).

Société Française d'Histoire de la Médecine: 60 rue de la Glacière, Paris 13e; f. 1902; Gen. Sec. Dr. ANDRÉ PECKER; publ. *Histoire de la Médecine* (monthly).

Société Française d'Hydrologie et de Climatologie Médicales: c/o 15 rue Saint-Benoît, Paris 6e; Sec.-Gen. J. PASSA, 94 rue Jouffroy, Paris 17e; publ. *La Presse Thermale et Climatique.*

Société Française d'Ophtalmologie: 28 rue de Charenton, Paris 9e; f. 1883; 2,200 mems.; Sec.-Gen. Prof. A. DUBOIS-POULSEN; publs. *Bulletin, Mémoires.*

Société Française d'Orthopédie et de Traumatologie: Secrétariat: Pavillon Ollier, Hôpital Cochin, 27 rue du Faubourg Saint-Jacques, Paris 14e; Pres. J. JUDET; publ. *Revue de Chirurgie Orthopédique.*

Société Française d'Oto-Rhino-Laryngologie: 17-19 rue de Buci, Paris 6e; f. 1880; 900 members; Pres. Prof. GEORGES PORTMANN; Sec. Dr. FLURIN; publs. *Comptes Rendus* and *Rapports Discutés au Congrès.*

Société Française d'Urologie: 6 avenue Constant Coquelin, Paris 7e; f. 1919; 50 mems.; Sec.-Gen. Dr. BOISSONNAT; publ. *Journal d'Urologie.*

Société Française de Biologie Clinique: Laboratoire de Biologie Médicale, Faculté de Médecine, 15 rue de l'Ecole de Médecine, Paris 6e; Sec. Prof. L. HARTMANN.

Société Française de Cardiologie: 32 rue de Penthièvre, Paris 8e; f. 1936; Sec. M. MOUQUIN; publ. *Archives des Maladies du Coeur et des Vaisseaux* (monthly).

Société Française de Chirurgie Infantile: Clinique Chirurgicale Infantile, 149 Rue de Sèvres, Paris 15e; f. 1959; Pres. Prof. JOSEPH MARION; Sec.-Gen. DENYS PELLERIN; publ. *Les Annales de Chirurgie Infantile.*

Société Française de Chirurgie Plastique et Reconstructive: 97 *bis* rue Jouffroy, Paris 17e; f. 1953; Sec.-Gen. Dr. R. MOULY.

Société Française de Gynécologie: 23 rue des Martyrs, Paris 9e; Pres. JEAN DALSACE; Sec.-Gen. GASTON FAYOLLE; publ. *Comptes Rendus.*

Société Française de Mycologie Médicale: Institut Pasteur, Service de Mycologie, 25 rue du Docteur-Roux, Paris 15e; publ. *Bulletin.*

Société Française de Neurologie: 12 rue de Seine, Paris 6e; Pres. M. I. BERTRAND; Sec.-Gen. P. MOLLARET; publ. *Revue Neurologique* (monthly).

Société Française de Pathologie Respiratoire: 66 boulevard Saint-Michel, Paris 5e; Pres. M. AMEUILLE; Sec. M. EVEN; publ. *Journal Français de Médecine et Chirurgie Thoraciques.*

Société Française de Pédiatrie: 149 rue de Sèvres, Paris 15e; Pres. Prof. PAUL GIRAUD; Sec.-Gen. Prof. MAURICE LAMY.

Société Française de Physiologie et de Médecine Aéronautiques et Cosmonautiques: 5 *bis* avenue de la Porte de Sèvres, Paris 15e; f. 1960; publishes papers on experimental and clinical studies; 300 mems.; Sec.-Gen. Dr. DELAHAYE; publ. *Revue de Médecine Aéronautique* (13 a year).

Société Française de Phytiatrie et de Phytopharmacie: 57 blvd. Lannes, Paris 16e.

Société Française de Thérapeutique et de Pharmacodynamie: Doin, 8 place de l'Odéon, Paris 6e; publ. *Thérapie.*

Société Française de la Tuberculose: 66 boulevard Saint-Michel, Paris 6e; Pres. Prof. VAUCHER; Sec. M. COURCOUX; publ. *Revue de tuberculose et de pneumologie.*

Société Médicale des Hôpitaux de Paris: 12 rue de Seine, Paris 6e; Sec. TH. BERTRAND-FONTAINE; publs. *Bulletins* and *Mémoires.*

Société Médico-Chirurgicale des Hôpitaux Libres: 27 rue George Sand, Paris 16e; Pres. R. HEIM DE BALSAC; Secs. MM. DELORT, HUET and MARTINY.

Société Médico-Psychologique: 12 rue de Seine, Paris 6e; f. 1852; 310 members; Sec.-Gen. Dr. PAUL ABELY; publ. *Annales médico-psychologiques* (monthly).

Société Nationale Française de Gastro-Entérologie: 12 rue de Seine, Paris 6e; Sec. A. BUSSON; publ. *Archives des Maladies de l'Appareil Digestif et des Maladies de la Nutrition.*

Société Naturiste Française: 27 rue Casimir Périer, Paris 7e; f. 1922; study and teaching of the natural method in medicine, hygiene, education, agriculture; 850 mems.; Pres. Dr. ANDRÉ SCHLEMMER; publs. *Les Cahiers de la Méthode Naturelle* (quarterly), *Réunion d'Etudes Médicales.*

Société Scientifique d'Hygiène Alimentaire (CSSF): 16 rue de l'Estrapade, Paris 5e; f. 1904; 1,182 mems.; Gen. Sec. E. DAUTHY; publ. *L'Alimentation et la Vie* (quarterly).

NATURAL SCIENCES

General

Association d'Etudes pour l'Expansion de la Recherche Scientifique: 29 rue d'Ulm, Paris 5e; Pres. GEORGES CHAMPETIER; Sec.-Gen. CREMIEUX-BRILHAC; publ. *L'Expansion de la Recherche Scientifique.*

Association Française pour l'Avancement des Sciences (CSSF): 28 rue Serpente, Paris 6e; associated with L'Association Scientifique Française; f. 1864; 3,000 members; Pres. Prof. RENÉ FABRE; Sec. of the Council Prof. J. VERNE; publ. *Sciences* (quarterly).

Centre International de Synthèse (*Foundation for International Scientific Co-ordination*): 12 rue Colbert, Paris 2e; f. 1924 by Henri Berr; Admin. Council of 36 mems.; Pres. JULIEN CAIN; Gen. Sec. PAUL CHALUS; publs. *Revue de Synthèse, Semaines Internationales de Synthèse, Revue d'Histoire des Sciences.*

Confédération des Sociétés Scientifiques Françaises: 11 rue Pierre Curie, Paris 5e; f. 1919 "to defend the interests of scientific research in its five branches, documentation, bibliography, research proper, publication, and discussion". It is divided into four federations, covering Mathematics, Chemistry, Physics and the Natural Sciences; Pres. M. BLONDEL; Gen. Sec. Prof. JEAN VERNE. (The societies affiliated to it are marked CSSF in this section.)

Fédération Française de Sociétés des Sciences Naturelles: 57 rue Cuvier, Paris 5e; f. 1919; groups 106 societies; Pres. Dr. MARCERON; Gen. Sec. Prof. VAYSSIÈRE; publs. *L'Année Biologique, Faune de France.*

Union des Travailleurs Scientifiques: 20 rue Ecole Polytechnique, Paris 5e; Pres. E. SCHATZMANN; Sec.-Gen. P. AVERBUCH.

Biological Sciences

Naturalistes Parisiens, Les: 57 rue Cuvier, Paris 5e; f. 1904; 600 members; exists to undertake research in natural history and deepen the scientific knowledge of its members; Sec. C. DUPUIS; Publs. *Cahiers des Naturalistes, Bulletin des Naturalistes Parisiens* (quarterly).

Société Botanique de France (CSSF): 4 avenue de l'Observatoire, Paris 6e; f. 1854; 850 members; Gen. Sec. A. DAVY DE VIRVILLE; publs. *Bulletin* (every two months), *Mémoires* (irregular).

Société d'Etudes Ornithologiques: 1 rue Victor-Cousin' Paris 5e; Sec. M. HEIM DE BALSAC; publ. *Alanda.*

Société de Biologie: Collège de France, Paris 5e; f. 1848; 140 hon. members, 50 elected members, 133 associates, 192 corres.; Pres. Prof. L. BINET; Sec. Prof. J. ROCHE; publ. *Comptes Rendus de la Société de Biologie.*

Société de Pathologie Végétale et d'Entomologie Agricole de France (CSSF): Institut Pasteur, 25 rue Dr. Roux, Paris 15e; f. 1914; 650 members; Pres. C. JACQUIOT; Secs. A. BALACHOWSKY, G. REMAUDIÈRE.

Société Entomologique de France: 45 *bis* rue de Buffon, Paris 5e; f. 1832; Gen. Sec. J. D'AGUILAR; 750 members, the most important entomological library in Europe, 80 entomological periodicals, 40,000 vols.; publs. *Annales* and *Bulletin.*

Société Française de Biologie Mathématique: c/o Antony, 19 rue Roger Salengro, Paris; publ. *Revue de biomathématique.*

Société Française de Génétique (CNRS): Institut de Génétique, Gif-sur-Yvette (Seine et Oise); Sec.-Gen. G. PRÉVOST.

Société Française de Physiologie Végétale: Sorbonne, 1 rue Victor-Cousin, Paris 5e; f. 1955; 444 mems.; Sec.-Gen. R. HELLER; publ. *Bulletin* (quarterly).

Société Mycologique de France (CSSF): 36 rue Geoffroy-St. Hilaire, Paris 5e; f. 1884; Pres. Prof. VIENNOT-BOURGIN; Sec.-Gen. M. PAUL OSTOYA; 1,800 mems.; publ. *Bulletin Trimestriel.*

Société Nationale de Protection de la Nature et d'Acclimatation de France (CSSF): 57 rue Cuvier, Paris 5e; f. 1854; 5,000 mems.; Pres. ROGER DE VILMORIN; Gen. Sec. ED. DECHAMBRE; publs. *La Terre et la Vie, Le Courrier de la Nature.*

Société Ornithologique de France: Secretariat and Library, 55 rue de Buffon, Paris 5e; f. 1909; Gen. Sec. R. D. ETCHÉCOPAR; publs. *L'Oiseau et La Revue Française d'Ornithologie, Bulletin de la Société* and *Mémoires.*

Société Zoologique de France (CSSF): 195 rue St. Jacques, Paris 5e; f. 1876; 450 members; Pres. Prof. FISCHER; Gen. Sec. L. BERLAND; publs. *Bulletin de la Société Zoologique de France, Mémoires.*

Mathematics

Association des Professeurs de Mathématiques de l'Enseignement Public (APMEP): Musée Pédagogique, 29 rue d'Ulm, Paris 5e; f. 1910; 4,800 members; Pres. P. VISSIO; publ. *Bulletin* (quarterly).

Comité National Français de Mathématiciens: 11 rue Pierre Curie, Paris 5e; f. 1950; Pres. P. MONTEL; Secs. M. BRELOT, P. BELGODÈRE.

Fédération Française des Sociétés de Mathématiques (CSSF): 11 rue Pierre Curie, Paris 5e; f. 1947; Sec. P. BELGODÈRE.

Société Mathématique de France (CSSF): 11 rue Pierre Curie, Paris 5e; f. 1873; 1,100 mems.; Pres. J. DIEUDONNÉ; Secs. L. LERAY, P. BELGODÈRE; publ. *Bulletin* (quarterly).

Physical Sciences

Association Française d'Etoiles Variables: Observatoire de Lyon, St. Genis Laval, Rhône; f. 1927; 150 mems.; Pres. A. BRUN; Gen. Sec. LE BREUIL-ALLIER; publ. *Journal des Observateurs.*

Association Française pour l'Etude du Quaternaire: 1 rue Guy de la Brosse, Paris 5e; f. 1962; to prepare scientific publications and exchange information on the Quaternary; 254 mems.; Pres. P. BELLAIR; Sec. H. ELHAI; publ. *Bulletin.*

Comité National Français de Géodesie et Géophysique: 19 rue Auber, Paris 9e; 300 mems.; Pres. A. GOUGENHEIM; Sec.-Gen. L. CAHIERRE; publ. *Comptes Rendus* (annual).

Fédération Nationale des Associations de Chimie de France (CSSF): 28 rue St. Dominique, Paris 7e; 11 affiliated societies and 12,000 members; Sec.-Gen. Prof. R. DELABY.

Société Astronomique de France (CSSF): 28 rue Serpente, Paris 6e; f. 1887; 4,800 mems.; Pres. P. TARDI; Gen. Sec. A. DANJON; publ. *L'Astronomie* (monthly).

Société de Chimie Biologique (CSSF): 4 avenue de l'Observatoire, Paris 6e; f. 1914; 1,705 mems.; Pres. Y. DERRIEN; Gen. Sec. J. E. COURTOIS; publs. *Bulletin de la Société de Chimie Biologique.*

Société de Chimie Industrielle (CSSF): 28 rue St. Dominique, Paris 7e; f. 1917; 4,000 members; Pres. PAUL TOINET; Sec.-Gen. ROGER BARBE.

Société de Chimie Physique: Ecole de Physique et de Chimie, 10 rue Vauquelin, Paris 5e; f. 1908; 850 members; Gen. Sec. Prof. G. EMSCHWILLER; publ. *Journal de Chimie Physique.*

Société Chimique de France: 28 rue St. Dominique, Paris 7e; f. 1857; 4,200 mems.; Pres. Prof. G. CHAMPETIER; Sec.-Gen. Prof. G. PANNETIER; Treas. Prof. A. WILLEMORT; publs. *Bulletin de la Société Chimique de France* (11 or 12 issues a year), *Bulletins bi-mensuels de la Société.*

Société des Experts-Chimistes de France: 42 *bis* rue de Bourgogne, Paris 7e; f. 1912; Pres. Dr. V. JANS; Gen. Sec. M. JANSSENS; publ. *Les Annales des falsifications et de l'Expertise Chimique.*

Société Française de Minéralogie et de Cristallographie (CSSF): à la Sorbonne, 1 rue Victor Cousin, Paris 5e; f. 1878; 815 members; Sec. A. J. ROSE; publ. *Bulletin de la Société Française de Minéralogie et de Cristallographie.*

Société Française de Physique (CSSF): 12 Place Henri-Bergson, Paris 8e; f. 1873; 1,700 mems.; Pres. (1961) J. P. MATHIEU; Gen. Sec. P. AIGRAIN; publs. *Bulletin, Le Journal de Physique et de Radium, Catalogue Annuel de Matériel Scientifique.*

Société Géologique de France: 28 rue Serpente, Paris 6e; f. 1830; 2,000 mems.; Pres. MAURICE ROQUES; publs. *Compte Rendu Sommaire des Séances, Bulletin, Mémoires.*

Société Météorologique de France (CSSF): 1 quai Branly, Paris 7e; f. 1852; 950 members; Sec.-Gen. L. FACY; publs. *La Météorologie, Journal de Mécanique et de Physique de l'Atmosphère.*

Syndicat de Documentation Géologique et Paléontologique (CSSF): 74 rue de la Fédération, Paris 15e; f. 1921; 200 members; Dir. Dr. G. LECOINTRE; Gen. Sec. Y. LE CALVEZ; publs. *Bulletin.*

Union des Physiciens (CSSF): 44 Blvd. Saint-Michel, Paris 6e; f. 1906; 3,000 mems.; Pres. Prof. M. EURIN; publ. *Bulletin* (bi-monthly).

PHILOSOPHY AND PSYCHOLOGY

Centre d'Etudes Supérieures de Psychologie Sociale: 21 rue Fortuny, Paris 17e.

Société Française d'Etude des Phénomènes Psychiques: 1 rue des Gâtines, Paris 20e; publ. *La Tribune Psychique.*

Société Française d'Etudes Nietzschéennes: 44 rue Sarratte, Paris 14e.

Société Française de Philosophie (CSSF): 12 rue Colbert, Paris 2e; f. 1901; 180 mems.; Pres. JEAN WAHL; Vice-Pres. H. GOUHIER, P.-M. SCHUHL; Sec.-Gen. SUZ. DELORME; publs. *Bulletin, Revue de Métaphysique et la Morale.*

Société Française de Psychologie (CSSF): à la Sorbonne, 28 rue Serpente, Paris 6e; f. 1901, reorganised in 1920; 190 elected members, 950 associates and correspondents; Sec.-Gen. H. GRATIOT-ALPHANDERY; publ. *Psychologie Française.*

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

Association pour l'Enseignement des Sciences Anthropologiques, Ecole d'Anthropologie: 95 boulevard St. Michel, Paris 5e; f. 1875; Pres. Dr. J. A. HUET; Sec.-Gen. Mme F. LOUIS MARIN.

Centre d'Etudes Sociologiques: 82 rue Cardinet, Paris 17e; publ. *Revue Française de Sociologie.*

Institut Français d'Anthropologie: Musée de l'Homme, Palais de Chaillot, Paris 16e; f. 1911; 127 members; Pres. PR. MILLOT; Sec. CUISINIER.

Société Asiatique: 3 rue Mazarine, Paris 6e; f. 1822; library of 40,000 vols.; 500 members; Pres. CH. VIROLLEAUD; Vice-Pres. H. MASSÉ and L. RENOU; Sec. J. FILLIOZAT; publs. *Journal Asiatique, Cahiers;* Dir. MARCELLE LALOU.

Société d'Anthropologie de Paris (CSSF): 1 rue René Panhard, Paris 13e; f. 1859; 550 members; Pres. A. BOURLIÈRE; Sec. H. VALLOIS; pub. *Bulletins et Mémoires.*

Société d'Histoire Ecclésiastique de la France: 52 ave. de Breteuil, Paris 7e; f. 1910; to study the religious history of France; 800 mems.; Pres. GABRIEL LE BRAS; Sec.-Gen. PIERRE MAROT; publ. *Revue d'Histoire de l'Eglise de France.*

Société de l'Histoire du Protestantisme Français: 54 rue des Saints-Pères, Paris 7e; f. 1852; 80,000 vols., 12,000 MSS. in library; Pres. JACQUES ALLIER; Sec.-Gen. FRANK DELTEIL; publ. *Bulletin* (quarterly).

Société des Africanistes (CSSF): Musée de l'Homme, Place du Trocadéro, Paris 16e; f. 1931; 250 members; Sec. Mme G. DIETERLEN; publ. *Journal de la Société des Africanistes.*

Société des Américanistes: Musée de l'Homme, place du Trocadéro, Paris 16e; f. 1895; 450 members; Pres. M. BATAILLON; Gen. Sec. J. LAFAYE; publ. *Journal de la Société des Américanistes.*

Société des Etudes Juives (CSSF): 20 rue la Baume, Paris 8e; f. 1880; Pres. G. VAJDA; Sec. I. S. REVAH; publ. *Revue des Etudes Juives.*

Société Française de Sociologie: 82 rue Cardinet, Paris 17e; f. 1962; Pres. RAYMOND ARON; Vice-Pres. JEAN DANIEL REYNAUD; Sec.-Gen. HENRI MENDRAS.

TECHNOLOGY

Association des Chimistes de l'Industrie Textile: 28 rue Saint-Dominique, Paris 7e; f. 1910; 1,700 members; Sec. M. RINGEISSEN; publ. *Revue Teintex*.

Association des Chimistes et Ingénieurs de Sucrerie, Distillerie et Industries Agricoles: 156 boulevard de Magenta, Paris 10e; f. 1883; library of 8,000 vols.; 2,000 members; Sec. R. GALLOIS; publ. *Industries Agricoles et Alimentaires* (monthly).

Association des Ingénieurs des Industries Agricoles et Alimentaires: 9-11 avenue Franklin D. Roosevelt, Paris 8e; 1,000 mems.; Pres. ALFRED ISAUTIER; Sec.-Gen. GUY DARDENNE; publ. *Industries Alimentaires et Agricoles* (monthly).

Association Française des Ingénieurs, Chimistes et Techniciens des Industries du Cuir, de la Chaussure et autres Industries Utilisatrices: 181-203 avenue Jean Jaurès, Lyon 7e (Rhône); f. 1939; 500 mems.; Sec.-Gen. R. DURAND-AYMÉ; publ. *Documents et Informations*.

Association Française du Froid: 129 Blvd. St.-Germain, Paris 6e; f. 1908; Pres. A. DULIN; Sec.-Gen. MICHEL ANQUEZ; Publ. *Revue Générale du Froid*.

Institut Français des Combustibles et de l'Energie: 3 rue Henri-Heine, Paris 16e; f. 1952; organises teaching (l'Ecole de Thermique), documentation, and information; library of 6,000 vols.; Pres. JEAN COUTURE; Sec.-Gen. HENRI PERDON; publs. *Bulletin Synoptique de Documentation Thermique* (monthly), *Revue Générale de Thermique* (monthly), *Comptes Rendus des Journées Internationales de l'I.F.C.E.*

Société d'Encouragement pour l'Industrie Nationale: 44 rue de Rennes, Paris 6e; f. 1801; Sec. J. PAPILLON; publ. *L'Industrie Nationale*.

Société des Ingénieurs Civils de France: 19 rue Blanche, Paris 9e; f. 1848; 15,000 members; Deputy Dir. GEORGES VILLE; publ. *Mémoires ICF* (eleven times a year).

Société Française d'Astronautique: 6 rue Galilée, Paris 16e; f. 1955; to further the development of astronautical sciences in France; 650 individual mems., 80 societies; Pres. HENRI MOUREU; Exec. Sec. J. CAUBET; publ. *Revue Française d'Astronautique* (6 a year).

Société d'Etude de la Propulsion par Réaction: 1 voie-des Sables, Villejuif, Seine.

Société Française de Métallurgie: 25 rue de Clichy, Paris 9e; f. 1944; 1,500 mems.; Pres. JEAN-PAUL TANNERY; Sec.-Gen. MAX DUPONT; publ. *Bulletin*.

Société Française de Microscopic Electronique: Ecole Normale Supérieure, Laboratoire de Botanique, 24 rue Lhomond, Paris 5e; f. 1959; to further electron microscopy, electronic optics and electronic diffraction; 707 mems.; Pres. Dr. WILHELM BERNHARD; Vice-Pres. Prof. JEAN-JACQUES TRILLAT; publ. *Journal de Microscopie* (bi-monthly).

Société Française de Photogrammétrie: 2 av. Pasteur, St. Mandé; 400 mems.; Pres. Prof. POIVILLIERS; Sec.-Gen. Ing. MAURICE BAUSSART; publ. *Bulletin*.

Société Française des Electriciens (CSSF) 10 avenue Pierre Larousse, Malakoff (Seine); f. 1883; 6,200 mems.; Hon. Gen. Sec. J. KERALY; Gen. Sec. J. FROIDEVAUX.

Société Française des Electroniciens et des Radioélectriciens: 10 avenue Pierre-Larousse, Malakoff (Seine); Sec.-Gen. R. CABESSA.

RESEARCH INSTITUTES

CENTRE NATIONAL DE LA RECHERCHE SCIENTIFIQUE (CNRS)

15 QUAI ANATOLE FRANCE, PARIS 7e

Founded 1939.

Organisation. The CNRS proposes to the Government means of doing research and how to allocate funds. The *Comité Mational de la Recherche scientifique* forms the policy of the CNRS and controls 32 sections of 22 members each, covering the Natural Sciences and the Humanities. The total annual budget for 1964 was 336,436,632 francs, and the number of research workers was 4,505.

Objects.

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2. To make grants-in-aid to scientific bodies and to individuals to enable them to carry out research work.
3. To subsidise or set up laboratories for pure or applied research.

Director-General: P. JACQUINOT, Professor in the Faculté des Sciences de Paris.

Natural Sciences: F. GALLAIS (Assistant Director-General).

Human Sciences: P. MONBEIG.

Centre de documentation: 15 Quai Anatole France, Paris 7e; Dir. J. WYART; Gen. Sec. G. PICARD. Library of 14,000 vols., 12,500 technical and scientific periodicals; publs. *Bulletin Signalétique* (monthly), *Annales de la Nutrition et de l'Alimentation* (two-monthly), *Archives des Sciences Physiologiques* (quarterly), *Annales d'Astrophysique* (two-monthly), *Annales de Géophysique* (quarterly), *Le journal des Recherches-Laboratoires de Bellevue* (quarterly), *Archives de Zoologie Expérimentale* (quarterly), *Annales de Spéléologie* (quarterly), *L'U.R.S.S. et les pays de l'Est*, *Archives de Sociologie des Religions*, *Groupe Français des Argiles* (annually), *Cahier du Groupe Français d'Etudes de Rhéologie* (annually), *Annuaire Français de Droit International*, *Archives de Sociologie des Religions* (bi-annually), *Bulletin d'Information de l'Institut de Recherche et d'Histoire des Textes* (annually), *Cahiers du Séminaire d'Econométrie* (annually), *Bulletin du Service de la Carte Phytogéographique* (bi-annually), *Annuaire de la Législation française et étrangère*, *Bibliographie annuelle de l'Histoire de France*, *Mémoires et Documents du Centre de Documentation Cartographique et Géographique*, *Bibliographie Géographique Internationale*, *Archives parlementaires*.

CNRS RESEARCH CENTRES

A. Groupe des Laboratoires de Bellevue: 1 place Aristide Briand, Bellevue (Seine-et-Oise); f. 1938; Dir.-Gen. A. G. ISNARD.

Astronomy and Geology

Laboratoire de Physique de la Basse Atmosphère: Dir. P. QUENEY.

Laboratoire de Géologie du Quaternaire: Dir. Mlle H. ALIMEN.

Physics

Laboratoire des Rayons X: Dir. J. J. TRILLAT.

Laboratoire Aimé Cotton, Laboratoire du Grand Electro Aimant et des Basses Températures: Dirs. R. CHABBAL and P. JACQUINOT.

Laboratoire de Cristallographie: Dir. C. Rerat.

Laboratoire d'Aérothermique 4 *ter* route des Gardes, Meudon; Dir. Ed. Brun.

Laboratoire des Hautes Pressions: Dir. B. Vodar.

Laboratoire des Echanges Thermiques: Dir. F. Cabannes.

Laboratoire de Physique du Froid et Service d'Essais: 4 *ter* route des Gardes; Dir. P. Laine.

Laboratoire du Magnétisme et de Physique du Solide: Dir. Ch. Guillaud.

Chemistry

Laboratoire d'Electrolyse et Centre d'Electrophorèse: Dir. M. Bonnemay.

Laboratoire de Chimie des Radiations: Dir. M. Magat.

Laboratoire de Recherches sur les Terres Rares: Dir. F. Trombe.

Centre d'Etudes et de Recherches de Chimie Organique Appliquée: Dir. P. Rumpf.

Laboratoire de Lipochimie: Dir. Ch. Paquot.

Laboratoire de Chimie Macro-Moléculaire: Dir. J. Petit.

Biology

Centre de Recherches sur la Nutrition: 9 rue Emile, Bellevue; Dir. R. Jacquot.

Laboratoire de Biologie Végétale de la Station du Froid: 4 *ter* route des Gardes, Meudon; Dir. R. Ulrich.

B. Centre de Recherches Physiques: 31 Chemin Joseph Aiguier, Marseille (Bouches-du-Rhône); f. 1941; Dir. Th. Vogel.

Laboratoire d'Acoustique: Dir. Th. Vogel.

Structure des Corps Cristallins: Dir. R. Michaud.

C. Centre de Recherches Nucléaires: rue du Loess, Strasbourg-Cronenbourg (Bas-Rhin); f. 1957.

Département de Physique Nucléaire: Dir. S. Gorodetzky.

Département de Physique Corpusculaire: Dir. P. Cuer.

Département de Physique nucléaire théorique: Dir. J. Yoccoz.

Département de Chimie Nucléaire: Dir. Mlle M. Perey.

Département des Applications Biologiques: Dir. J. H. Vivien.

D. Groupe des Laboratoires de Gif-sur-Yvette: Gif-sur-Yvette (Seine-et-Oise).

Centre des Faibles Radioactivités: f. 1961 by the C.N.R.S. and the Commissariat à l'Energie Atomique; Dir. L. Bugnard.

Centre de Recherches Hydrobiologiques: f. 1946; Dir. M. Lefèvre.

Laboratoire de Génétique Physiologique: f. 1946; Dir. B. Ephrussi.

Laboratoire de Génétique des Virus: f. 1946; Dir. Ph. L'Héritier.

Laboratoire de Génétique Evolutive et de Biométrie: f. 1946; Dir. Ch. Bocquet.

Laboratoire de Photobiologie: f. 1957; Dir. J. Benoit.

Laboratoire de Photosynthèse: f. 1953; Dir. A. Moyse.

Laboratoire d'Enzymologie: f. 1959; Dir. G. Cohen.

Laboratoire du Phytotron: f. 1957; Dir. P. Chouard.

Centre de Sélection des Animaux de Laboratoire: f. 1953; Dir. M. Sabourdy.

Institut de Chimie des Substances Naturelles: f. 1959; Dirs. M. Janot and E. Lederer.

E. Laboratoires de Sciences Exactes et Naturelles.

Mathematics

Centre de Calcul Analogique: 29 avenue de la Division Leclerc, Châtillon-sous-Bagneux (Seine); f. 1945; Dir. L. Malavard.

Centre d'Etudes pour la Traduction Automatique: B.P. No. 8, St.-Martin-d'Hères (Isère); Dir. M. B. Vauquois.

Institut "Blaise Pascal": 23 rue du Maroc, Paris 19e; Dir. R. de Possel.

Laboratoire de Calcul Numérique: Dir. R. de Possel.

Section d'Automatique Documentaire: f. 1960; Dir. Dr. J. C. Gardin.

Astronomy and Geology

Institut d'Astrophysique: 98-*bis* boulevard Arago, Paris 14e; f. 1936; Dir. A. Lallemand.

Observatoire de Haute-Provence: Saint-Michel-l'Observatoire (Basses-Alpes); f. 1937; Dir. Prof. J. Dufay.

Service des Mouvements Propres Stellaires: f. 1947; sections in observatories in Paris, Bordeaux and Toulouse.

Service d'Aeronomie et de Physique Cosmique: Réduit de Verrières, Verrières-le-Buisson (S. et O.); f. 1958; Dir. J. Blamont.

Centre d'Etudes Géophysiques: Garchy-Suilly (Nièvre); f. 1953; Dir. L. Cagniard.

Laboratoire: f. 1942; Dir. L. Lliboutry.

Centre de Recherches Pétrographiques et Géochimiques de Nancy: Nancy-Vandoeuvre, B.P. 682, Nancy; f. 1953; Dir. M. Roubault.

Centre de Pédologie biologique: Nancy-Vandoeuvre, B.P. 715, Nancy; Dir. P. Duchaufour.

Centre de Recherches sur les Zones Arides: Beni-Abbes (La Saoura); f. 1945; Dir. J. Marcais.

Centre de Sédimentologie et de Géochimie de la Surface: 1 rue Blessig, Strasbourg; Dir. G. Millot.

Centre de Géomorphologie: Caen; Dir. M. Journaux.

Physics

Laboratoire d'Electrostatique et de Physique du Métal: Chemin des Martyrs, B.P. 319, Grenoble (Isère); f. 1946; Dir. L. Néel.

Centre de Recherches sur les très basses Températures: Chemin des Martyrs, Grenoble; Dir. L. Weil.

Laboratoire de Synthese Atomique et d'Optique Protonique: 67 rue Maurice Günsbourg, Ivry (Seine); f. 1937; Dir. C. Magnan.

Laboratoire d'Optique Electronique de Toulouse: 29 rue Jeanne Marvig, B.P. 7, Toulouse (Haute-Garonne); f. 1949; Dir. G. Dupouy.

Laboratoire de l'Horloge Atomique: Ecole Normale Supérieure, 24 rue Lhomond, Paris and 32 avenue de l'Observatoire, Besançon, and B.P. No. 1, Orsay (Seine-et-Oise); f. 1957; Dir. A. Kastler.

Laboratoire des Verres: 3 Boulevard Pasteur, Paris 15e (Convention with L'Institut d'Optique 1961); Dir. Mme A. Winter-Klein.

Centre de Spectrométrie Nucléaire et de Spectométrie de Masse: 15 rue Georges Clémenceau, Orsay (Seine-et-Oise); Dir. M. Valadares.

Chemistry

Centre de Physique et de Chimie Colloïdales: Montpellier; Dirs. J. Guastalla, A. B. Lindenberg.

Centre d'Etudes de Chimie Métallurgique: 15 rue Georges Urbain, Vitry (Seine); f. 1936; Dir. A. Michel.

Laboratoire de l'Energie Solaire: Fort de Montlouis (Pyrénées-Orientales); f. 1950; Dir. F. Trombe.

Laboratoire de Ultra-Réfractaires: Montlouis (Pyrénées Orientales); f. 1963; Dir. M. FOEX.

Centre de Recherches sur les Macromolécules de Strasbourg: 6 rue Boussingault, Strasbourg; f. 1947; Dir. CH. SADRON.

Institut de Microcalorimetrie et Thermogénèse de Marseille: 26 rue du 141e R.I.A., Marseilles 3e; f. 1959; Dir. E. CALVET.

Institut de Recherches sur la Catalyse: 30 boul. de l'Hippodrome, Villeurbanne; f. 1958; Dir. M. PRETTRE.

Centre de Cinétique Physico-chimique: Faculté des Sciences, Nancy; Dir. P. LE GOFF.

Centre de Magnéto-Chimie: Pessac (Gironde); Dir. A. PACAULT.

Laboratoire des Gaz: Faculté de Pharmacie, 4 av. de l'Observatoire, Paris 6e; f. 1958; Dir. M. CHAIGNEAU.

Laboratoire de Recherches sur le Feu: Route de Noisy Champs/Marne (S. & M.); f. 1957; Dir. P. POULAIN.

Service Central de Microanalyse: Laboratoire Municipal, 39 *bis* rue de Dantzig, Paris 15e; f. 1958; Dir. R. LEVY.

Biology

Laboratoire d'Embryologie et Tératologie Expérimentales: 49-*bis* avenue Belle Gabrielle, Nogent-sur-Marne (Seine); f. 1947; Dir. E. WOLFF.

Centre d'Etudes d'Océanographie et de Biologie Marine: Roscoff (Finistère); f. 1946; Dir. G. TEISSIER.

Centre de Morphologie Expérimentale de Bordeaux: 40 rue Lamartine, Talence (Gironde); f. 1946; Dir. M. AVEL.

Laboratoire Souterrain: Grotte de Moulis (Ariège); f. 1948; Dir. A. VANDEL.

Laboratoire de Biométrie Humaine: 41 rue Gay Lussac, Paris 5e; f. 1945; Dir. E. SCHREIDER.

Laboratoire de Physiologie de Travail: 41 rue Gay-Lussac, Paris 5e; Dir. J. SCHERRER.

Laboratoire de Microscopie Electronique Appliquée à la Biologie: 105 Bd. Raspail, Paris 6e; f. 1956; Dir. P. GRASSE.

Centre d'Etudes Bioclimatiques: Laboratoire de Physiologie Appliquée, 1 Place de l'Hôpital, Strasbourg; Dir. B. METZ.

Centre d'Etudes de Physiologie Nerveuse et d'Electrophysiologie: Institut Marey, avenue Gordon Bennett, Paris 16e; f. 1947; Dir. A. FESSARD.

Centre National de Coordination des Etudes et Recherches sur la Nutrition et l'Alimentation: 71 boulevard Péreire, Paris 17e; f. 1945; Dir. E. TERROINE.

Laboratoire de Chimie Bactérienne: 31 Chemin Joseph Aiguier, Marseille 9; Dir. J. SENEZ.

Service de la Carte de la Végétation: 29 rue Jeanne Marvig, B.P. 9, Toulouse (Haute-Garonne); Dir. P. REY.

Centre d'Etudes Phytosociologiques et Ecologiques: Route de Mende, Montpellier; Dir. L. EMBERGER.

Centre de Neurochimie: Faculté de Medecine de Strasbourg, 1 place de Hôpital; f. 1965; Dir. Dr. P. MANDEL.

Station Centrale d'Ultracentrifugation: 13 rue Pierre Curie, Paris 5e; Dir. Mme S. FILITTI WURMSER.

Medicine

Centre de Recherches sur les Toxicités: 205 route de Narbonne, Toulouse; f. 1960; Dir. Dr. F. CAUJOLLE.

Institut de Recherches Scientifiques sur le Cancer: 16 *bis* av. Vaillant Couturier, B.P. No. 8, Villejuif; f. 1947; Dir. Dr. P. GRABAR.

Centre de Recherches Physiologiques sur la Cellule Normale et Cancéreuse: 16 *bis* Av. Vaillant Couturier, Villejuif; Dir. Mlle LE BRETON.

Centre d'Etudes des Techniques Chirurgicales: Hôpital Broussais, 96 rue Didot, Paris 14e; Dir. D. LAURENT.

Institut de Neurophysiologie et Psychophysiologie: 31 Chemin Joseph Aiguier, Marseille 9; Dir. G. MORIN.

F. Centres de Sciences Humaines.

Anthropology

Centre d'Hémotypologie: Hôpital Purpan, Avenue de Grande-Bretagne, Toulouse; Dir. J. RUFFIÉ.

Geography

Centre de Recherches et de Documentation Cartographiques et Géographiques: 191 rue Saint Jacques, Paris 5e; f. 1946; Dir. J. DRESCH; publ. *Mémoires et Documents*.

Centre de Géomorphologie: Faculté des Lettres de Caen, rue des Tilleuls, Caen; f. 1963; Dir. A. JOURNAUX.

Linguistics

Institut de Recherches et d'Histoire des Textes: 15 Quai A. France, Paris 7e; f. 1937; Dir. J. GLENISSON; publ. *Bulletin d'Information* (annually).

Inventaire Général de la Langue Française: 33 quai de la Tournelle, Paris 4e; f. 1936; Dir. F. LECOY.

Centre de Recherches du Trésor de la Langue Française: 15 Place Carnot, Nancy; Dir. P. IMBS.

Centre d'Archives du Français Contemporain: Faculté des Lettres de Besançon; Dir. M. QUEMADA.

Law

Service de Recherches Juridiques Comparatives: 28 rue Saint Guillaume, Paris 7e; f. 1952; Dir. M. ANCEL.

Economics

Séminaires d'Econometrie: f. 1947; Dirs. M. ALLAIS, G. MALECOT, E. MALINVAUT.

Sociology

Centre d'Etudes Sociologiques: 82 rue Cardinet, Paris 17e; f. 1946; Dir. J. STOETZEL.

History

Service d'Architecture Antique: 5 Rond-point Bugeaud, Paris 16e, Ancien Palais de l'Archevêché, Aix-en-Provence, and Pavillon des Arts, Pau (Basses Pyrénées); f. 1957; Dir. P. DEMARGNE.

Centre d'Analyse Documentaire pour l'Archéologie: 31 Chemin Joseph Aiguier, Marseilles and 23 rue du Maroc, Paris 19e; Dir. J. C. GARDIN.

Centre de Recherches sur l'Afrique Méditerranéenne: 27 avenue Si Arezki, Hydra, Algiers, Algeria and 25 rue Gaston de Saporta, Aix-en-Provence; Dirs. M. MIEGE, EUZENNAT, FEVRIER.

G. Commissions Scientifiques.

Centre d'Etudes Mathématiques en vue des Applications: Institut H. Poincaré, 11 rue Pierre Curie, Paris 5e; Pres. LOUIS DE BROGLIE.

Commission de Chimie des Hautes Températures et des Réfractaires: 4 Avenue de l'Observatoire, Paris, 6e; Pres. G. CHAUDRON.

Commission d'Etudes du Groupe Français des Argiles: 61 rue Buffon, Paris 5e; Pres. Mlle S. CAILLIERE.

Commission Nationale de Rhéologie: 96 Boulevard Raspail, Paris 6e; Pres. R. MAZET.

Centre de Recherches sur les Migrations des Mammifères et des Oiseaux: 55 rue Buffon, Paris 5e; Dir. R. D. ETCHECOPAR.

Commission de Spéléologie: Laboratoire de Zoologie, 61 rue Buffon, Paris 5e; Pres. B. GÈZE.

Groupe "Aspects Physico-chimiques de la Biologie": Pres. CH. SADRON.

Groupe Francais d'Etude des Carbones: Pres. A. PACAULT.

Service de Micro-Sonde Electronique pour les Problèmes de Pétrographie et Minéralogie: 74 rue de la Fédération, Paris 15e.

Comité de Coordination pour la Neuroendocrinologie des Vertébrés: Pres. J. Benoit.

Commission des Atlas Linguistiques: Pres. M. Lejeune.

Bathyscape "Archimède" (Commandant G. Houot): G.E.R.S., Direction du Port, Arsenal, Toulon; Pres. J. M. Pérès.

Navire Océanographique "Calypso" (Commandant J. Y. Cousteau): 1 Quai de la Grande-Bigue, Marseilles; Pres. H. Lacombe.

Bâtiment de Recherche Côtière "Atlantique Kornog": Institut de Géographie, 191 rue St.-Jacques, Paris 5e; Dir. Dr. A. Guilcher.

Comité Technique de la Recherche Archéologique en France: 16 rue P. Curie, Paris 5e; Pres. P.-M. Duval.

Centre de Recherches de l'Histoire de la Sidérurgie: Palais Ducal, Nancy; Pres. Ed. Salin.

H. Autres Services.

Equipes Extérieures des Grands Accélérateurs de Particules: 129 rue de l'Université, Paris 7e; Pres. A. Berthelot.

Comité d'Histoire de la Seconde Guerre Mondiale: 22 rue d'Athènes, Paris 9e; Sec. H. Michel.

Expéditions Polaires Françaises: 47 avenue du Maréchal Fayolle, Paris 16e; Chef des Expeditions Paul-Emile Victor.

Bureau du C.N.R.S. de Londres: 22 Wilton Crescent, London, S.W.1; Sec. Miss Vidal Hall.

Bureau du C.N.R.S. de New York: 972 Fifth Avenue, New York 21; Sec. P. de Bellaigue.

Salon des Arts Ménagers: 15 avenue de la Division Leclerc, Palais de la Défence, Puteaux (Seine); Commissaire Générale P. Breton.

Agriculture and Veterinary Science

Centre de Recherches et d'Expérimentation de Génie Rural: Parc de Tourvoie, Antony (Seine); Dir. J. Roche.

Centre National d'Etudes et d'Expérimentation de Machinisme Agricole (CNEEMA): Parc de Tourvoie, Antony (Seine); Dir. M. Dellenbach.

Centre national de Recherches agronomiques: Etoile de Choisy, route de Saint-Cyr, Versailles; library of 3,500 vols., 3,500 periodicals; Dirs. of Central Stations P. Boischot (Agronomy), H. Geslin (Bioclimatology), Y. Coïc (Plant Physiology), R. Mayer (Plant Breeding), H. Darpoux (Plant Pathology), B. Trouvelot (Zoology).

Centre national de Recherches forestières: 14 rue Girardet, Nancy (Meurthe-et-Moselle); library of 2,000 vols.; Dirs. J. Parde, P. Bouvarel, P. Arbonnier, M. Bonneau, E. Debazac.

Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux: 10 rue Pierre Curie, Maisons-Alfort (Seine); f. 1948; Dir. J. Pagot; publ. *Revue d'Elevage et de Médecine Vétérinaire des Pays Tropicaux* (quarterly).

Institut de Recherches pour les Huiles et Oléagineux (*Research Institute for Oils and Oilseeds*): 8, 11-13 square Pétrarque, Paris 16e; f. 1942; Dir. R. Carrière de Belgarric; publ. *Oléagineux* (monthly).

Institut Français des Recherches Fruitières Outre-Mer (*French Institute for Overseas Fruit Research*): 6 rue du Général Clergerie, Paris 16e; branches in Martinique and Guadeloupe; in Mauritania, Ivory Coast, Congo, Cameroon, Madagascar; in Morocco, Ecuador; missions in Mali and Guiana; publs. *Fruit, Fruits d'Outre Mer*.

Institut national de la Recherche agronomique: 149 rue de Grenelle, Paris 7e; f. 1946; its functions are to organise, conduct and publish research in the whole field of agriculture, including forestry; Dir. Gen. Jean Bustarret; Asst. Dir. Gen. R. Forestier; Inspectors Gen. G. Drouineau, R. Fevrier, P. Mornet; publ. *Annales de l'Institut national de la Recherche Agronomique* (8 series).

The Institute administers and subsidises a large number of centres and laboratories in France. For each of the research departments there exists a central station.

Laboratoire Central de Recherches Vétérinaires: 22 rue Pierre Curie, Alfort (Seine); f. 1901; Dir. Dr. A. Lucas.

Station centrale d'Economie et de Sociologie rurales: 4 rue de Lasteyrie, Paris 16e; Dir. D. Bergmann.

Economics, Law and Politics

Centre de Recherches des Hautes Etudes Americaines: 35 rue des Petits-Champs, Paris 1er; publ. *Bulletin Economique*.

Centre de Recherches Economiques et Sociales: 14 rue St.-Benoît, Paris 6e; publ. *Etudes et Documents*.

Centre de Recherches sur l'U.R.S.S. et les Pays de l'Est: Faculté de Droit et des Sciences Politiques et Economiques, Place d'Athènes, Strasbourg; f. 1959; research directed to law and government, economics and sociology; library of 4,500 vols.; Dir. Prof. Pierre Lavigne; Sec. Mme Marie Lavigne; publs. *Revue des Revues* (quarterly), *L'U.R.S.S., Droit, Economie, Sociologie, Politique, Culture* (annual).

Institut de Science Economique Appliquée: 6 boulevard des Capucines, Paris 9e; f. 1944; 20 members; study of economic problems and exchange of ideas with other countries; London address: 2 Caxton Street, S.W.1; Dir. François Perroux; Sec.-Gen. Henri Bonjour; publs. *Cahiers de l'I.S.E.A., Collections Theoria et Pragma, Economie Appliquée—Archives de l'I.S.E.A.* (quarterly).

Institut National d'Etudes Démographiques: 23-25 avenue Franklin D. Roosevelt, Paris 8e; f. 1945; Dir. Jean Bourgeois-Pichat; Gen. Sec. Roger Peltier.

Institut National de la Statistique et des Etudes Economiques: 29 quai Branly, Paris 7e; f. 1946; centralises and co-ordinates the statistical activities of the various Government departments: Dir.-Gen. Claude Gruson; publ. *Bulletin Bibliographique*.

History, Geography and Archaeology

Centre d'Etudes Supérieures de Civilisation Médiévale de l'Université de Poitiers: Hôtel Berthelot, 24 rue de la Chaîne, 86 Poitiers; f. 1953; Dir. Rene Crozet; publ. *Cahiers de civilisation médiévale* (quarterly).

Centre de Recherches et d'Etudes Océanographiques: 1 Quai Branly, Paris 7e; publ. *Travaux*.

Centre de Recherches Historiques: 54 rue de Varenne, Paris 7e; publ. *Histoire des Entreprises*.

Comité Technique de la Recherche Archéologique en France: 155 rue de Sèvres, Paris 15e; publ. *Gallia, Gallia Préhistoire*.

Medicine

Institut Alfred-Fournier: 25 boulevard Saint-Jacques, Paris 14e; Dir. Dr. Sicard de Plauzoles.

Institut National de la Santé et de la Recherche Médicale: 3 rue Léon Bonnat, Paris 16e; f. 1941 as Institut National d'Hygiène, renamed 1964; assisted by thirteen special commissions; Dir. E. Aujaleu; Gen. Sec. J. Trillat; publ. *Bulletin, Monographie*.

Institut Prophylactique: 36 rue d'Assas, Paris 6e; f. 1916; Dir. Arthur Vernes.

Natural Sciences

General

INSTITUT PASTEUR

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Founded 1888.

Director: C. Gernez-Rieux.
Assistant Director: Hubert Marneffe.
General Secretary: J. Fournier.
Librarian: J. de Préobrajensky.

Publications: *Annales* and *Bulletin* (monthly).

Office de la Recherche Scientifique et Technique Outre-Mer (ORSTOM): 24 rue Bayard, Paris 8e; f. 1943; Pres. A. Valabregue; Dir. Gen. Prof. G. Camus; Sec. Gen. J. Severac.

Centre Scientifique et Technique de Bondy: 80 Route d'Aulnay, Bondy (Seine); pedology, geology, hydrology, geophysics, phytophysiology, phytopathology and agricultural entomology; central laboratories of Biometry and Spectrophotography; Dir. M. A. Maignien.

Service Central de Documentation de l'ORSTOM: 80 Route d'Aulnay, Bondy (Seine); library, publications, special maps; Dir. M. F. Bonnet-Dupeyron.

Biological Sciences

Centre de Recherches sur les Migrations des Mammifères et des Oiseaux: Muséum National d'Histoire Naturelle, 55 rue de Buffon, Paris 5e; publ. *Bulletin*.

Centre national de Recherches zootechniques: Domaine de Vilvert, Jouy-en-Josas (Seine-et-Oise); library of 3,100 vols., 800 periodicals; Dirs. of Central Stations C. Thibault (Animal Physiology), A. François (Nutrition), J. Poly (Animal Breeding), R. Pero (Animal Husbandry), G. Mocquot (Milk and Meat Technology).

Institut de Biologie Marine de France: f. 1931; comprises nine maritime laboratories: Roscoff (Finistère): Dir. Prof. G. Teissier; Banyuls-sur-Mer (Pyrénées Orientales): Dir. Prof. G. Petit; Villefranche-sur-Mer(A.M.), Dinard (I. et V.): Dir. Prof. Fisher-Piette; Concarneau (Finistère): Dir. Prof. Roche; Arcachon (Gironde): Dir. Prof. Weill; Sète (Herault): Dir. Prof. Mathias; Luc-sur-Mer (Calvados): Dir. Prof. Bocquet; Endoume (B.d.Rh.): Dir. Prof. Pérès.

Institut de Biologie Physico-chimique: 13 rue Pierre Curie, Paris 5e; f. 1927; library of 7,500 vols.; Dir. Rene Wurmser; Dirs. of Laboratories: J. Duclaux (Colloids), R. Wurmser (Biophysics), Mrs. Khouvine et Grunberg Manago (Biochemistry), Th. Cahn (Physiology), B. Ephrussi (Genetics), B. Pullman (Theoretica, Biochemistry).

Muséum National d'Histoire Naturelle: 57 rue Cuvier, Paris 5e; f. 1635; is not only a museum, but also an active centre of research in natural history; there are 25 professorial chairs tenable at the Museum, which also administers the Zoological Garden and the Musée de l'Homme; Dir. Prof. Roger Heim; Sec.-Gen. Ambroise Pauzat; publs. *Bulletin du Muséum, Mémoires, Archives, Annuaire.* (*See also* Museums, Libraries and State Colleges.)

Physical Sciences

Bureau de Recherches Géologiques et Minieres, Département Information: 74 rue de la Fédération, Paris 15e.

Bureau des Longitudes: Palais de l'Institut, 3 rue Mazarine, Paris 6e; f. 1795 by Convention Nationale; 50 members and corresp.; Pres. A. Lallemand; Vice-Pres. J. Coulomb; Sec. J. Kovalevsky; publs. *Annuaire, Annales, Connaissance des Temps, Ephémérides Nautiques et Aéronautiques.*

Centre Administratif de la Météorologie Nationale: 196 rue de l'Université, Paris 7e; Dir. M. Giocondi.

Centre d'Etudes Géologiques et Minières: 74 rue de la Fédération, Paris 15e; f. 1932; documentation centre; library of 3,000 vols., 300 periodicals; Pres. G. Perrineau; Sec.-Gen. J. Lombard; publ. *La Chronique des Mines et de la Recherche Minière.*

Centre Technique et du Matériel de la Météorologie Nationale: 196 rue du l'Université, Paris 7e; Dir. M. Marc.

Etablissement d'Etudes et de Recherches Météorologiques: 1 quai Branly, Paris 7e; Dir. J. Guiraud.

Institut de Physique de l'Atmosphère: Campistrous par Lannemezan (Hautes-Pyrénées;) f. 1960; Dir. Henri Dessens; publs. *Journal de Recherches Atmosphériques* (quarterly), *Associations d'Etudes* (yearly).

Institut et Observatoire de Physique du Globe du Puy-de-Dôme: 12 avenue des Landais, Clermont-Ferrand; Dir. H. Dessens; publ. *Journal de Recherches Atmosphériques* (quarterly).

Laboratoire d'Astronomie de la Faculté des Sciences de Lille: 1 rue du Faubourg de Douai, Lille; Dir. P. Bacchus.

Météorologie Nationale: 1 quai Branly, Paris 7e; f. 1945; Dir. J. Bessemoulin; Asst. Dir. B. Gosset; publs. *Bulletins quotidiens de Renseignements, Bulletins quotidiens d'étude, Monographies, Résumé mensuel du temps, Mémorial.*

Observatoire de Besançon: Besançon (Doubs); f. 1882: Dir. Louis Arbey; library of 10,000 vols.; publs. *Annales de l'Observatoire, Annales Françaises de Chronométrie* (quarterly).

Observatoire de Haute Provence: *see under* Centre National de la Recherche Scientifique.

Observatoire de l'Université de Bordeaux: Floirac (Gironde); Dir. Pierre Semirot.

Observatoire de Lyon: Saint-Genis-Laval (Rhône); specialises in photometry and spectroscopy, and studies in the upper atmosphere; Dir. Jean Dufay.

Observatoire de Marseille: 2 place Le Verrier, Marseille 4; Dir. Prof. Ch. Fehrenbach.

Observatoire de Nice: Nice, Mont-Gros (Alpes-Maritimes); f. 1881; affiliated to the University of Paris; Dir. J.-C. Pecker.

Observatoire de Paris: 61 avenue de l'Observatoire, Paris 14e; f. 1667; library of 40,000 vols.; Dir. J.-F. Denisse; Sec. M. Guidoni; publs. *Bulletin Astronomique* (quarterly), *Catalogues d'Etoiles, Notes et Informations* and *Bulletin Horaire du Bureau International de l'Heure.*

Observatoire de Strasbourg: 11 rue de l'Université, Strasbourg; f. 1881; library of 14.000 vols.; 4 astronomers; Dir. Pierre Lacroute; publ. *Annales.*

Observatoire de Toulouse: 1 avenue Camille Flammarion, Toulouse; f. 1733; 20 mems.; Dir. Prof. R. Bouigue; publs. *Carte du Ciel, Catalogue Photographique du Ciel, Annales de l'Observatoire de Toulouse.*

Observatoire du Pic du Midi: Bagnères de Bigorre (Hautes-Pyrénées); f. 1880; Dir. J. Rosch; Administrator Ch. Soula.

Section de Météorologie Maritime: 1 quai Branly, Paris 7e; Dir. Cap. Vais Jonglez.

Service de la Météorologie d'Outre-Mer: 1 quai Branly, Paris 7e; Dir. M. Perlat.

Service Météorologique Métropolitain: 2 Ave. Rapp, Paris 7e; library of 45,000 vols.; Dir. P. Leclercq; publs. include *Bulletins* (daily).

Station de Radioastronomie de Nançay: administered by the Observatoire de Paris, Section d'Astrophysique de Meudon, Meudon, (S.-et-O.); f. 1953; study of the sun and radio sources; radio telescope; 55 mems.; Dir. and Chief Astronomer E. J. Blum, Asst. Astronomers J. Lequeux, P. Veron, Y. Avignon, A. Boischot; many publs. on astronomy.

Religion, Sociology and Anthropology

Institut des Etudes Augustiniennes: 8 rue François Ier, Paris 8e; f. 1943; research into life, thought and times of St. Augustine; Pres. Dr. G. Folliet, A. de Veer, G. Madec, F. Thonnar, A. Brix; publs. *Revue des Etudes Augustiniennes* (quarterly), *Oeuvres Complètes de St. Augustin* and others.

Institut National d'Etude du Travail et d'Orientation Professionnelle: 41 rue Gay-Lussac, Paris 5e; f. 1928; undertakes research and trains vocational guidance officers; library of 8,000 vols.; Dir. Prof. M. REUCHLIN; Dep. Dir. C. BENASSY-CHAUFFARD; publ. *B.I.N.O.P.*

Maison des Sciences de l'Homme: 20 rue de la Baume, Paris 8e (provisional address); f. 1963; to conduct research in the social sciences; Administrator F. BRAUDEL; Librarian G. LEBEL.

TECHNOLOGY

Association Française pour l'Etude des Eaux: 25 avenue Marceau, Paris 16e; f. 1949; studies practical problems of domestic, agricultural and industrial use of water and its exploitation, storage and purification; Pres. R. PREAUD; Dir. J. RICHARD; Gen. Sec. Mme A. VINCENT; publ. *Eaux et Industries* (monthly), *Supplément Bibliographique* (quarterly).

Association Nationale de Protection des Eaux: Conservatoire National des Arts et Métiers (C.N.A.M.), 292 rue St.-Martin, Paris 3e; brings to public notice the necessity of protecting and preserving the quality and quantity of water-supplies, studies problems of water pollution and its prevention; Pres. N. FONTAINE; Treas. CARRAS; Gen. Sec. R. COLAS.

Centre d'Etudes Nucléaires de Cadarache: St. Paul-Lez-Durance (B.d.R.); technological study of modern nuclear reactors; Directeur de Centre RENÉ FAURE.

Centre d'Etudes Nucléaires de Fontenay-aux-Roses—CENFAR (*Nuclear Research Centre, Fontenay-aux-Roses*): B.P. 6, Fontenay-aux-Roses (Seine); f. 1945; first French reactor: Zoé natural uranium, heavy water moderated; two swimming-pool reactors, and laboratories specialising mainly in chemical and metallurgical research on plutonium, controlled fusion, heat exchange by liquid metals, mineralogy, concentration of uranium ores and sanitary protection; Dir. R. LUCIEN.

Centre d'Etudes Nucléaires de Grenoble—CENG (*Nuclear Research Centre, Grenoble*): B.P. 269, Grenoble (Isère): f. 1956; equipped with 3 swimming-pool reactors and 13 particle accelerators; Dir. LOUIS NEEL.

Centre d'Etudes Nucléaires de Saclay—CENS (*Saclay Nuclear Research Centre*): B.P. 2, Gif-sur-Yvette (S.-et-O.): f. 1949; equipped with two experimental reactors, four critical assemblies and eight particle accelerators; laboratories specialising in research on reactors, metallurgy, chemistry, biology and electronics; Dir. JEAN DEBIESSE.

Centre National d'Etudes Spatiales: 129 rue de l'Université, Paris 7e; f. 1961; prepares national programmes of space research, provides information, promotes international co-operation; Pres. JEAN COULOMB; Dir. Gen. Gen. R. AUBINIÈRE; publ. *La Recherche Spatiale* (monthly).

Institut d'Hydrologie et de Climatologie: à la Faculté de Médecine, 45 rue des Saints Pères, Paris 6e; five main laboratories in Paris, and further laboratories at the principal spas; Gen.-Sec. Prof. L. BINET; publ. *Les Annales de l'Institut d'Hydrologie et de Climatologie.*

Institut de Recherches de la Sidérurgie: 185 rue Président-Roosevelt, Paris; publ. *Fusion.*

Institut de Recherches du Coton et des Textiles Exotiques (*Research Institute for Cotton and Tropical Textiles*): 34 rue des Renaudes, Paris 17e; brs. in the Ivory Coast, Chad, Congo Brazzaville, Madagascar, Togo, Dahomey, Upper Volta, Mali, Central African Republic, Algeria, Cambodia and Iran.

Institut Français du Caoutchouc: 42 rue Scheffer, Paris 16e; f. 1936; Pres. J. DE LAUZIÈRES; Sec.-Gen. R. DE PADIRAC; Dir. Research R. HUBLIN; publ. *Revue Générale du Caoutchouc et des Plastiques* (monthly), *Plastiques* (bi-monthly).

Institut Français du Petrole, des Carburants et Lubrifiants: 1 and 4 avenue de Bois-Préau, Rueil Malmaison (Seine-et-Oise); f. 1945; scientific and technical organisation for the purpose of research, personnel training and documentation in the different fields of the oil industry; 1 library; Pres. and Gen. Man. R. NAVARRE; Publs. *Revue*, scientific treatises and monographs, practical handbooks, etc.

Institut National des Sciences et Techniques Nucléaires—INSTN (*National Institute of Nuclear Science and Technology*): B.P. 6, Gif-sur-Yvette (S.-et-O.); f. 1956; provides, in co-operation with the Universities, courses at Saclay in nuclear engineering, nuclear reactor theory, radio-biology, uses of radioisotopes, special metallurgy, accelerator theory and technique, etc.; Dir. JEAN DEBIESSE; Pres. Council of Instruction Prof. JEAN ROCHE.

Institut Technique du Bâtiment et des Travaux Publics: 9 rue Lapérouse, Paris 16e; f. 1933; Lecture and Documentation Centre for engineers, building contractors, architects, and students, for study of architecture, building construction and public works; 5,000 mems.; Pres. ED. BILLIARD; Del.-Gen. M. LEBELLE; publ. *Annales de l'Institut Technique du Bâtiment et des Travaux Publics* (monthly).

Office National d'Etudes et de Recherches Aérospatiales: 25 avenue Division Leclerc, Châtillon-sous-Bagneux (Seine); f. 1946 to develop, direct, and co-ordinate scientific and technical research in the field of space aeronautics; Dir. Prof. PAUL GERMAIN; publ. *La Recherche Aérospatiale* (bi-monthly).

Société Hydrotechnique de France: 199 rue de Grenelle, Paris 7e; Hon. Pres. EMILE BARILLON; Pres. HENRI DAGALLIER.

Station centrale de Technologie des produits végétaux: avenue du Général de Gaulle, Narbonne (Aude); Dir. M. FLANZY.

LIBRARIES AND ARCHIVES

The administrative control of the libraries and archives of France is vested in the two following organisations:

Direction des Bibliothèques de France: 55 rue St.-Dominique, Paris 7e; f. 1945; Dir. ETIENNE DENNERY; Asst. Dir. PIERRE LELIÈVRE; under the Ministry of Education.

Direction des Archives de France: 60 rue des Francs-Bourgeois and 87 rue Vieille-du-Temple, Paris 3e; f. 1794; Dir.-Gen. ANDRÉ CHAMSON; Dep. Dir.-Gen. FRANÇOIS DOUSSET; under the Ministry of State for Cultural Affairs.

PARIS

Bibliothèque Nationale: 58 rue de Richelieu, Paris 2e; f. 1480 by Louis XI; 6,000,000 vols., 155,000 MSS., 450,000 medals and coins, 450,000 musical documents, 5,000,000 prints and engravings, 500,000 titles of periodicals, 400,000 maps; Gen. Adm. ETIENNE DENNERY; Gen. Sec. THÉRÈSE KLEINDIENST; publs. *Bibliographie de la France* (weekly), *Bulletin des Bibliothèques de France* containing the *Bulletin de Documentation bibliographique.*

Bibliothèque de l'Université de Paris: the library of the University of Paris comprises the libraries of the five Faculties and three other libraries; in addition to these main libraries there are also libraries attached to the various institutes and research centres of the University, of which a list is given in the entry relating to the University. The eight main constituent libraries are as follows:

Bibliothèque de la Faculté des Lettres et de la Faculté des Sciences (Bibliothèque de la Sorbonne): 17 rue de la Sorbonne, Paris 5e; formed in 1762; over 1,500,000 vols. and 4,500 periodicals; Chief Libr. GERMAIN CALMETTE.

Bibliothèque de la Faculté de Droit: 127 rue Saint-Jacques, Paris 5e; f. 1876; over 350,000 vols.; Chief Libr. GEORGES THOMAS.

Bibliothèque de la Faculté de Médecine: 12 rue de l'Ecole-de-Médecine, Paris 6e; f. 1733; 490,000 vols.; Chief Libr. Dr. ANDRÉ HAHN.

Bibliothèque de la Faculté de Pharmacie: 4 avenue de l'Observatoire, Paris 5e; f. 1570; 120,000 vols.; 1,077,000 patents; Chief Libr. GABRIEL GARNIER.

Bibliothèque Sainte-Geneviève: 10 place du Panthéon, Paris 5e; f. 1624 by Cardinal F. de la Rochefoucauld; 1,500,000 vols., 30,000 prints, 1,500 incunabula and 4,000 MSS.; comprehensive library specialising in philosophy, theology, ancient law, medicine, science; Dir. Mme. WINTZWEILLER.

Bibliothèque de Documentation Internationale Contemporaine: 5 rue Auguste-Vacquerie, Paris 16e; f. 1917; 350.000 vols., 15,000 series of periodicals, 2,000 pamphlets and theses; Dir. H. F. RAUX; the **Musée de la Grande Guerre,** Pavillon de la Reine, Château de Vincennes, is attached to this library.

Bibliothèque de l'Institut de Géographie: 191 rue Saint-Jacques, Paris 5e; 16,000 vols., 70,000 maps, 7,000 photographs; Libr. Mme SOMMER.

Bibliothèque d'Art et d'Archéologie (Fondation Jacques-Doucet): 3 rue Michelet, Paris 6e; f. 1918; 250,000 vols.; Chief Libr. Mlle SUZANNE DAMIRON.

Archives Nationales: Palais Soubise, Hôtel de Rohan, 60 rue des Francs-Bourgeois, Paris 3e; f. 1789; approx. 1,500,000 vols. on historical subjects; Dir.-Gen. ANDRÉ CHAMSON; Deputy Dir.-Gen. FRANÇOIS DOUSSET.

Bibliothèque de l'Académie Nationale de Médecine: 16 rue Bonaparte, Paris 6e; f. 1847; over 290,000 vols.; Libr. Dr. G. NICOLE-GENTY.

Bibliothèque de l'Arsenal: rue de Sully, Paris 4e; f. by the Marquess of Paulmy, became public library in 1797, attached to the Bibliothèque Nationale; specialises in literature and theatre; open to students; contains 1,200,000 vols.; 250,000 vols. of theatrical collection, 15,000 MSS., many autographs, 120,000 prints; Dir. JACQUES GUIGNARD.

Bibliothèque de l'Assemblée Nationale: Palais Bourbon, Paris 7e; f. 1796; 400,000 vols. and 1,600 MSS.; Dir. J.-M. PRIOU; Asst. Dir. M. SAGOT.

Bibliothèque des Avocats à la Cour d'Appel: Palais de Justice, Paris 1er; f. 1708; confiscated during the Revolution, but refounded in 1810; 160,000 vols.; not open to the public; Libr. ALBERT TROPENAT.

Bibliothèque de la Chambre de Commerce et d'Industrie de Paris: 16 rue de Châteaubriand, Paris 8e; f. 1821; 200,000 vols., 13,000 periodicals; Chief Libr. JEAN LAURENT; Asst. Libr. Mlle M. CL. SALONE; publs. *Catalogue* (monthly), *Bibliographie d'Etudes et d'Articles Selectionnés* (monthly), *Bibliographie d'Economie Régionale française* (monthly), *Répertoire d'Annuaires français* (4th edn. 1959–60).

Bibliothèque du Centre d'Etudes de Politique Etrangère: 54 rue de Varenne, Paris 7e; f. 1935; 7,000 vols. and 460 periodicals; history and political science; only open to members of the Centre d'Etudes de Politique Etrangère; Libr. ANDRÉ MÈNETRAT; Publ. *Politique Etrangère* (bi-monthly).

Bibliothèque du Conseil d'Etat: Place du Palais-Royal, Paris 1er; f. 1871; 80,000 vols. on Jurisprudence, History and Legislation; Libr. Mlle RABANT; Publ. *Etudes et Documents.*

Bibliothèque du Conservatoire National des Arts et Métiers: 292 rue St. Martin, Paris 3e; 100,000 vols. on arts and crafts, political economy, industrial arts; Libr. Mme CLAUDE MICHEL.

Bibliothèque du Conservatoire National Supérieur de Musique: 14 rue de Madrid, Paris 8e; f. 1795; 60,000 vols.; music musicology and music teaching; Cur. VLADIMIR FEDOROV.

Bibliothèque du Sénat: Palais du Luxembourg, Paris 6e; f. 1818: 460,000 vols., chiefly on history and law, 1,354 MSS. and 40,000 prints; open to members of Parliament; Dir. ANDRÉ ROUSSY.

Bibliothèque de la Cour des Comptes: 13 rue Cambon, Paris 1er; f. 1807 by Napoleon I; 50,000 vols. on Law, Finance, and Economy; Libr. PIERRE RIBERETTE; publs. *Bulletin d'Information, Bulletin de Jurisprudence* (annuals).

Bibliothèque de l'Ecole Nationale des Langues Orientales Vivantes: 2 rue de Lille, Paris 7e; f. 1868; over 250,000 vols.; Keeper of the Library Mme COLETTE MEUVRET.

Bibliothèque de l'Ecole Nationale des Ponts et Chaussées: 28 rue des Saints-Pères, Paris 7e; f. 1747; over 165,000 vols.; Chief Libr. LEHANNEUR.

Bibliothèque de l'Ecole Nationale Supérieure des Mines: 60 boulevard Saint-Michel, Paris 6e; f. 1794; 350,000 vols.; Chief Libr. Mlle. Y. ENJOLRAS.

Bibliothèque de l'Ecole Normale Supérieure: 45 rue d'Ulm, Paris 5e; f. 1795; 630,000 vols.; Chief Libr. M. MARTIN.

Bibliothèque de l'Ecole Polytechnique: 17 rue Descartes, Paris 5e; f. 1794; over 250,000 vols.; Chief Libr. A. MOREAU.

Bibliothèque de la Fondation Nationale des Sciences Politiques: 27 rue Saint-Guillaume, Paris 7e; f. 1872; over 200,000 vols.; Dir. JEAN MEYRIAT.

Bibliothèque Espagñole: 11 avenue Marceau, Paris 16e.

Bibliothèque Forney: 1 rue du Figuier, Paris 4e; f. 1886; 100,000 vols., 250,000 specimens of decorative art, furniture, silverwork, etc.; Librs. Mme J. VIAUX, Mlle S. PONS.

Bibliothèque Historique de la Marine: 3 avenue Octave Gréard, Paris 7e; f. 1922; 60,000 vols. on naval history; Librarian J. P. BUSSON.

Bibliothèque de l'Institut Catholique: 21 rue d'Assas, Paris 6e; f. 1875; over 500,000 vols.; Chief Libr. M. l'Abbé SALLES.

Bibliothèque de l'Institut de France: 23 quai de Conti, Paris 6e; f. 1795; 1,500,000 vols.; Curator Mme LOUIS HAUTECOEUR.

Bibliothèque de l'Institut National de la Statistique et des Etudes Economiques: 29 quai Branly, Paris 7e; 200,000 vols., 2,600 periodicals; Dir. ADRIEN CARO.

Bibliothèque Mazarine: 23 quai de Conti, Paris 6e; f. 1643 by Cardinal Mazarin; since 1945 attached to Institut de France; 350,000 vols., 5,800 MSS., 1,900 incunabula; Dir. JACQUES RENOULT; Libr. Mme H. BONNET.

Bibliothèque du Ministère des Affaires Etrangères: 37 quai d'Orsay, Paris 7e; f. in 18th century; over 400,000 vols.; in charge of the Asst. Curator of the Archives Dept.

Bibliothèque du Ministère des Armées: 231 boulevard Saint-Germain, Paris 7e; over 300,000 vols.; Libr. Mlle M. LENOIR.

Bibliothèque Administrative de la Marine: 2 rue Royale, Paris 8e; 50,000 vols.; admin. section of the Service Historique de la Marine; Libr. Mme MACAREZ.

Bibliothèque et Archives des Musées Nationaux: Palais du Louvre, Pavillon des Arts, Paris Ier; contains files and MSS. connected with the Louvre and the National Museums, together with many documents of general

interest; research workers admitted on written application and recommendation; 85,000 vols.; Archivist and Libr. Mme ANDRÉ CHAMSON.

Bibliothèque du Muséum National d'Histoire Naturelle: 38 rue Geoffroy-Saint-Hilaire, Paris 5e; f. 1635; 800,000 vols.; Chief Libr. Mme DUPRAT.

Bibliothèque-Musée de l'Opéra: Place Charles Garnier, Paris 9e; f. 1865; 60,000 vols., 10,000 scores, 50,000 prints, 40,000 photographs; Libr. A. MÉNÉTRAT.

Bibliothèque Pédagogique (*Institut Pédagogique National*): 29 rue d'Ulm, Paris 5e; f. 1879; 1,000,000 vols.; Dir. P. CHILOTTI.

Bibliothèque Polonaise: 6 quai d'Orleans, Paris 4e; f. 1838; 82,000 vols., 1,000 MSS. files, 7,000 prints, 5,000 maps (16th to 20th centuries); Cur. CZESLAW CHOWANIEC.

Bibliothèque Thiers: 27 place Saint-Georges, Paris 9e; f. 1905; attached to Institut de France; 80,000 vols and 2,300 MSS. on Contemporary History; Libr. Mlle PAUL.

Bibliothèque Historique de la Ville de Paris: 29 rue de Sévigné, Paris 3e; f. 1873; 500,000 vols., 6,000 vols. MSS. on history of Paris; Cur. HENRY DE SURIREY DE SAINT REMY.

Bibliothèque Américaine à Paris: 129 avenue des Champs-Elysées, Paris 8e; Provincial Branches in Roubaix (Nord), Toulouse, Rennes, Montpellier, Grenoble and Nantes; f. 1920; 7,000 members; 80,000 vols.; reference and lending library; open to the public; Pres. ROBERT H. BLAKE; Dir. IAN FORBES FRASER; Libr. JOANN KARGES.

PROVINCIAL LIBRARIES

Bibliothèque Municipale: 11 rue des Rapporteurs, Abbeville; f. 1643; 92,000 vols.; Libr. R. RICHARD.

Bibliothèque Municipale: Hôtel de Ville, Aix-en-Provence; f. 1810; 280,000 vols.; Chief Libr. BRUNO DURAND.

Bibliothèque Universitaire Centrale: rue Benjamin Abram, Aix-en-Provence; f. 1879; 250,000 vols.; Chief Libr. GUY DE TOURNADRE.

Bibliothèque Municipale: Hôtel Rochegude, rue Rochegude, Albi; f. during the French Revolution; 120,000 vols.; Libr. Mlle PAULE MASSON.

Bibliothèque Municipale: 50 rue de la République, Amiens; during the French Revolution; 140,000 vols.; Chief Libr. PAUL LOGIÉ.

Bibliothèque Municipale: 10 rue du Musée, Angers; f. during the French Revolution; 135,000 vols.; Libr. Mlle JEANNE VARANGOT.

Bibliothèque Calvet: 65 rue Joseph Vernet, Avignon; 219,000 vols., 6,000 MSS., 700 incunabula, 12,600 musical scores; engravings, maps and coins; Libr. GEORGES DE LOYE.

Bibliothèque Municipale: 1 rue de la Bibliothèque, Besançon; f. 1694; 250,000 vols., 3,000 MSS., 1,000 incunabula, etc.; Libr. J. MIRONNEAU.

Bibliothèque Universitaire: 30-32 rue Mégevand, Besançon; f. 1880; 250,000 vols.; Dir. JACQUES MIRONNEAU; Librarians Mme TATON, M. SARAZIN, Mme CHEVASSUS.

Bibliothèque Municipale: 3 rue Mably, Bordeaux; f. 1736; 330,000 vols.; 2,000 MSS.; Chief Libr. LOUIS DESGRAVES.

Bibliothèque Universitaire: 20 cours Pasteur, Bordeaux; f. 1879; 637,265 vols.: Chief Libr. JACQUES GUINARD.

Bibliothèque Municipale: 103 rue Félix-Adam, Boulogne-sur-Mer; f. during the French Revolution; 150,000 vols., 1,100 MSS.; Libr. PIERRE HÉLIOT.

Bibliothèque Municipale: Place Louis-Guillouard, Caen; f. 18th century; 100,000 vols.; Libr. GUY ROHOU.

Bibliothèque Universitaire: Université, rue du Gaillon, Caen; 600,000 vols.; Chief Libr. Mlle M. DUPASQUIER.

Bibliothèque Municipale: 37 rue St. Georges, Cambrai; f. 1791; 45,000 vols.; Libr. MICHEL BOUVY.

Bibliothèque Inguimbertine: 11 boulevard Albin-Durand, Carpentras; f. 1745; 130,000 vols.; Libr. H. DUBLED.

Bibliothèque Municipale: Passage Henri-Vendel, Châlons-sur-Marne; f. 1803; 185,000 vols.; Chief Libr. Mme GERMAINE JEULIN.

Bibliothèque Municipale et Universitaire: 1 boulevard La Fayette, Clermont-Ferrand; f. during the French Revolution; 236,000 vols.; Chief Libr. (Vacant).

Bibliothèque de la Ville: place des Martyrs de la Résistance, Colmar; f. 1803; 350,000 vols.; Chief Libr. PIERRE SCHMITT.

Bibliothèque Municipale: 5 rue de l'Ecole-de-Droit, Dijon; f. 1701; 200,000 vols.; Chief Libr. PIERRE GRAS.

Bibliothèque Universitaire: 38 rue Chabot-Charny, Dijon; f. 1880; 290,000 vols.; Libr. Mlle ODETTE BARTHÉLEMY.

Bibliothèque Municipale: rue de la Fonderie, Douai; f. 1767; 70,000 vols.; Libr. Mme YVONNE DUHAMEL.

Bibliothèque Municipale: place de Verdun, Grenoble; f. 1772; 282,731 vols., 654 incunabula, 16,000 MSS., 80,000 prints, 2,000 maps; Chief Libr. PIERRE VAILLANT.

Bibliothèque Universitaire: boulevard Maréchal Lyautey, Grenoble; 395,867 vols.; Chief Libr. Mme S. KRAVTCHENKO.

Bibliothèque Municipale: 30 rue Gargoulleau, La Rochelle; f. 1750; 150,000 vols.; Libr. Mlle OLGA BERNARD DE SAINT-AFFRIQUE.

Bibliothèque Municipale: 2 *bis* rue Ancelot, Le Havre; 100,000 vols.; Libr. Mlle PAULE NANCEL-PENARD.

Bibliothèque Municipale: 34 rue Edouard Delesalle, Lille; f. 1726; 305,000 vols.; Libr. Mlle ODETTE CROMBEZ.

Bibliothèque Universitaire: 1 place Georges-Lyon, Lille; f. 1880; 700,000 vols.; Libr. Mlle ANDRÉE BRUCHET. The medical department (f. 1952) has 200,000 vols.

Bibliothèque Municipale: 6 place de l'Ancienne-Comédie, Limoges; 195,000 vols.; photographic collection of Limoges Champlevé enamels of the 12th to 14th centuries; Libr. Mlle M. M. ERLEVINT.

Bibliothèque Municipale: 4 avenue Adolphe-Max, Lyons; f. 1693; 700,000 vols., 20,000 MSS. and archives; Dir. HENRI-JEAN MARTIN.

Bibliothèque Universitaire Centrale (Droit-Lettres-Sciences): 18 quai Claude-Bernard, Lyon; f. 1896; 338,900 vols., 460,287 vols. of theses and brochures; Chief Libr. JEAN-LOUIS ROCHER.

Bibliothèque Municipale: 2 place Auguste-Carli, Marseille; f. 1800; 250,000 vols., Chief Libr. MICHEL GERNET.

Bibliothèque Universitaire (Médecine et Pharmacie:) boulevard d'Alès, Marseille 5; f. 1891; 220,000 vols. (medicine and pharmacy); Chief Libr. GUY DE TOURNADRE; Libr. Mlle C. PERRIN.

Bibliothèque Universitaire (Sciences): 1 place Victor-Hugo, Marseille; f. 1880; 140 000 vols.; Chief Libr. GUY DE TOURNADRE; Libr. J. BILLIOUD.

Bibliothèque Municipale: 2 rue du Haut Poirier, Metz; 115,000 vols.; Libr. MICHEL MERLAND.

Bibliothèque de la Ville et du Musée Fabre: boulevard Bonnes Nouvelles, Montpellier; f. during the French Revolution; 314,000 vols.; Libr. Mlle E. PAGE-DELAUNAY.

Bibliothèque Universitaire Centrale (Droit-Lettres-Sciences): 31 rue de l'Université, Montpellier; f. 1890; 573,293 vols.; Chief Libr. FRANÇOIS PITANGUE.

Bibliothèque Municipale: 43 rue Stanislas, Nancy; f. 1750; 300,000 vols.; Chief Libr. RENE CUENOT.

Bibliothèque Universitaire Centrale (Droit-Lettres-Sciences): 11 place Carnot, Nancy; f. 1855; 1,000,000 vols. (including Medical Library at 30 rue Lionnois); Chief Libr. RENE NOUAT.

Bibliothèque Municipale: 37 rue Gambetta, Nantes; f. 1753; 317,200 vols.; Chief Libr. LUCE COURVILLE.

Bibliothèque Municipale d'Etudes: 21 *bis* boulevard Dubouchage, Nice; 194,000 vols.; Chief Libr. Mme M. FERRY.

Bibliothèque Municipale: 19 Grande-Rue, Nîmes; f. 1794; 210,000 vols., 2,250 MSS.; Chief Libr. Mlle. M. CABANE.

Bibliothèque Municipale: 1 rue Dupanloup, Orléans; f. 1714; 206,000 vols.; Libr. FRANÇOIS HAUCHECORNE.

Bibliotheque Municipale: place Noulibos, Pau; 133,000 vols.; special collections on Henri IV and Béarn; Libr. JEAN GOASGUEN.

Bibliothèque Municipale: 20 cours Tourny, Périgueux; f. 1781; 110,000 vols.; Libr. Mme. D. ROBIN.

Bibliothèque Municipale: place du Marché-Notre-Dame, Poitiers; f. during the French revolution; 300,000 vols., 950 MSS., 272 incunabula; Libr. FRANÇOIS EYGUN.

Bibliothèque Universitaire: place du Marché-Notre-Dame, Poitiers; f. 1879; 207,000 vols.; Chief Libr. Mlle JEANNE GIRAUD.

Bibliothèque Municipale: 2 place Carnegie, Rheims; f. 1809; 170,000 vols.; 2,000 MSS; Libr. Mlle ODETTE REVILLE.

Bibliothèque Municipale: 1 rue de la Borderie, Rennes; f. 1790; 268,000 vols.; Libr. J. SANSEN.

Bibliothèque Universitaire: 1 rue de la Borderie, Rennes; f. 1855; 400,000 vols.; Libr. J. SANSEN.

Bibliothèque Municipale: 3 rue de la Bibliothèque, Rouen; f. 1791; 350,000 vols.; Chief Libr. Mlle JEANNE DUPIC.

Bibliothèque Nationale et Universitaire: 6 place de la République, Strasbourg; f. 1870; 3,000,000 vols., 5,446 MSS., 4,541 papyri, 3,877 rare books of the 16th to 18th centuries, 1,971 incunabula, 40,000 periodicals of which 6,000 currently received, 1,970 ostraca; medical section 100,000 vols.; Libr. N. SCHULLER.

Bibliothèque Municipale: 1 rue du Périgord, Toulouse; f. 1782; 350,000 vols.; Chief Libr. MAURICE CAILLET.

Bibliothèque Universitaire Centrale (Droit-Lettres): 56 rue du Taur, Toulouse; f. 1879; 1,340,976 vols. and 9,191 periodicals (including Medical and Scientific Library at 37 allée Jules-Guesde); Chief Libr. Mlle FRANÇOISE ARDUIN.

Bibliothèque Municipale: place Anatole France, Tours; f. 1791; old library destroyed in 1940; 120,000 vols.; Libr. M. FILLET.

Bibliothèque Municipale: 21 rue Chrestien de Troyes, Troyes; f. 1651; 240,000 vols.; Chief Libr. Mlle FRANÇOISE BIBOLET.

Bibliothèque Municipale: 4 place des Ormeaux, Valence, f. 1775; 64,000 vols.; Libr. Mlle BEAU.

Bibliothèque Municipale: 2-6 rue Ferrand, Valenciennes; f. 1765; 70,000 vols.; Libr. PAUL LEFRANCQ.

Bibliothèque Municipale: 5 rue de l'Indépendance-Américaine, Versailles; f. 1803; 400,000 vols.; Chief Libr. PIERRE BREILLAT.

MUSEUMS

Direction des Musées de France: Palais du Louvre, Pavillon Mollien, Cour du Carrousel, Paris 1er; Dir. JEAN CHATELAIN; Asst. Dir. HUBERT LANDAIS; publs. *Revue du Louvre.*

Réunion des Musées Nationaux: Palais du Louvre, Paris 1er; comprises:

Conseil Administratif de la Réunion des Musées Nationaux: f. 1941; Pres. GAËTAN PICON; Vice-Pres. JEAN CHATELAIN; Sec. Mme HENRAUX.

Conseil Artistique de la Réunion des Musées Nationaux: f. 1941; Pres. PIERRE DAVID-WEILL; Vice-Pres. RENÉ HUYGHE; Sec. Mme HENRAUX.

Direction des Beaux-Arts, de la Jeunesse et des Sports: Hôtel de Ville, Paris 4e; Dir. C. EYRAUD.

Sous-Direction des Beaux-Arts: 14 rue François Miron, Paris 4e; Asst. Dir. G. MASSIE.

PARIS MUSEUMS

Galerie du Jeu de Paume: place de la Concorde, Paris 1er; f. 1920; administered by the Musée du Louvre; exhibition of Impressionist art.

Musée du Louvre: Palais du Louvre, Paris 1er; f. 1793; Chief Curators: ANDRÉ PARROT (Oriental Antiquities); JACQUES VANDIER (Egyptian Antiquities); JEAN CHARBONNEAUX (Greek and Roman Antiquities); GERMAIN BAZIN (Painting); PIERRE PRADEL (Medieval, Renaissance and Modern Sculpture); PIERRE VERLET (Medieval, Renaissance and Modern Objets d'Art); Curator: ETIENNE COCHE DE LA FERTÉ (Christian Antiquities).

Musée des Antiquités Nationales: Saint-Germain-en-Laye. f. 1862; Prehistoric, Bronze Age, Celtic, Gallo-Roman and Merovingian Antiquities; Cur. ANDRÉ VARAGNAC; Asst. Cur. RENÉ JOFFROY.

Musée de l'Histoire de France: 60 rue des Francs Bourgeois, Paris 3e; f. 1867; original documents from the National Archives tracing the principal events in the history of France from Merovingian times to 1815; also historical objects and iconography; Curator JEAN-PIERRE BABELON; publ. *Catalogue* (four parts).

Musée de la Marine: Palais de Chaillot, Paris 16e; f. 1827; maritime iconography; Dir. Capt. VICHOT; publ. *Neptunia* (quarterly).

Musée National des Granges de Port-Royal: Magny-les-Hameaux, par St.-Remy-les-Chevreuse, Seine et Oise; f. 1952; local history and Jansenism; presented in the house of "Petites Ecoles" where Racine studied; Curator BERNARD DORIVAL.

Musée de l'Air: 2 rue des Vertugadins, Meudon (S & O); f. 1919; aeronautics, representative collection of aircraft.

Bureaux et Service Documentation: 91 boulevard Pereire, Paris 17e; library of 10,000 vols.; collection of photographs.

Musée de l'Armée: Hotel des Invalides, Paris 7e f. 1670 by Louis XIV; collections of artillery, armour, uniforms, banners; tombs of Napoleon, his son, Marshal Foch and Lyautey; history of French Army from its origin to 1918; Dir.-Gen. M. MALEPLATE; publ. *Revue de la Société des Amis du Musée de l'Armée*

Musée National d'Art Moderne: 13 Avenue du Président-Wilson, Paris 16e; Postal address: 2 rue de la Manutention, Paris 16e; f. 1750; modern painting and sculpture; Curator BERNARD DORIVAL.

Musée des Arts Décoratifs: Palais du Louvre, Pavillon de Marsan, 107 rue de Rivoli, Paris 1er; f. 1880; woodwork, furniture, tapestries, textiles, jewels, ceramics, sculpture, painting, gold and silver work, glass, collections of Western and Oriental art; Curator MICHEL FARÉ.

Musée Astronomique de l'Observatoire de Paris: 61 avenue de l'Observatoire, Paris 14e; f. 1667; astronomical instruments of the 17th, 18th and 19th centuries; statues and pictures of celebrated astronomers; library contains 40,000 vols.; Dir. M. DENISSE; Libr. Mme G. FEUILLEBOIS; publs. *Bulletin Astronomique, Catalogue d'Etoiles, Notes et Informations.*

Musée Carnavalet: 23 rue de Sévigné, Paris 3e; f. 1866; history of Paris and of the Revolution, dept. of prints and drawings; Chief Curator JACQUES WILHELM; publ. *Bulletin du Musée Carnavalet.*

Musée du Costume de la Ville de Paris: 11 av. du Pres. Wilson, Paris 16e; f. 1956; attached to Musée Carnavalet; French costumes from 1725; Cur. JACQUES WILHELM.

Musée Cernuschi: 7 avenue Velasquez, Paris 8e; f. 1896; ancient Chinese art; Dir. VADIME ELISSEEFF.

Musée et Château de Chantilly (Musée Condé): Chantilly (Oise); f. 1885; painting, miniatures, drawings, books, MSS., etc.; Cur. R. DE BROGLIE.

Musée des Thermes et de l'Hôtel de Cluny: 6 Place Paul Painlevé, Paris 5e; f. 1844; sculpture, tapestry, armour, ivory, enamels and furniture of Middle Ages; Cur. F. SALET.

Musée Cognacq-Jay: 25 boulevard des Capucines, Paris 2e; f. 1929; 18th century works of art, English and French paintings, porcelain, furniture, etc.; Cur. RENÉ HÉRON DE VILLEFOSSE.

Musée du Conservatoire National des Arts et Métiers: 292 rue St. Martin, Paris 3e; f. 1795; evolution of industrial technique from 18th century on to present day.

Musée d'Ennery: 59 avenue Foch, Paris 16e; f. 1903; Chinese and Japanese furniture, china, and objets d'art; Cur. GEORGES CŒDÈS.

Musée National des Arts et Traditions Populaires: Palais de Chaillot, place du Trocadéro, Paris 16e; f. 1937; library of 38,000 vols. and 1,800 periodicals; Cur. G. H. RIVIÈRE; publs. *Arts et Traditions Populaires, Catalogues des Expositions.*

Musée National de Fontainebleau: Château de Fontainebleau; 12th century, Renaissance, 17th and 18th century and 1st Empire exhibits; painting and furniture 16th-19th centuries; Cur. BORIS LOSSKY; publs. *Le Château de Fontainebleau* (1946, also English edition), *Napoléon I à Fontainebleau* (1952), *Fontainebleau* (in fol. 1951).

Musée de la Guerre (1914–18, 1939–45): Pavillon de la Reine, Château de Vincennes; f. 1918; Cur. H. F. RAUX.

Musée Guimet: 6 place d'Iéna, Paris 16e; f. 1888; library of 60,000 vols.; history of religions; Chinese, Japanese and Tibetan MSS.; art and religions of India, Central Asia, Tibet, Afghanistan, China and Japan; Buddhist collections; Khmer antiquities; Chief Cur. Mlle J. AUBOYER; Libr. Mlle HAUCHECORNE; publ. *Annales du Musée Guimet.*

Musée de l'Homme: Palais de Chaillot, Paris 16e; f. 1878; ethnography, anthropology; Dir. Prof. J. MILLOT.

Musée Jacquemart-André: 158 blvd. Haussmann, Paris 8e; f. 1912; painting, tapestry and furniture of Renaissance and 18th century; Cur. JULIEN CAIN.

Musée National de la Légion d'Honneur: 2 rue de Bellechasse, Paris 7e; f. 1924; contains histories of National Orders and Awards of all countries (medals, weapons, documents, etc.); also collection and documents relating to Napoléon I; Cur. Mme CLAUDE DUCOURTIAL.

Musée National de Malmaison (Musée d'art et d'histoire de l'époque napoléonienne): Rueil-Malmaison (Seine-et-Oise); f. 1906; historical collection of Napoleon I and Joséphine; Cur. GÉRARD HUBERT; and Château de Bois-Préau.

Musée du Château: Maisons-Laffite; Château dates from 1642; contains paintings, sculptures, tapestries and furniture; Cur. Mlle R. M. LANGLOIS.

Musée Monétaire: Hôtel de la Monnaie, 11 quai Conti, Paris 6e; f. 1771; collections of ancient and modern medals, coins and dies; Dir. P. DEHAYE; publs. *Catalogue, Editions de la Monnaie de Paris.*

Muséum National d'Histoire Naturelle: Jardin des Plantes; 57 rue Cuvier, Paris 5e; f. 1635 by Guy de la Brosse; zoology, botany, anatomy, mineralogy, palæontology; 25 professorial chairs; library of 500,000 vols.; Dir. ROGER HEIM; Sec.-Gen. AMBROISE PAUZAT, Libr. Mme. G. DUPRAT; publs. *Bulletin, Mémoires, Archives, Annuaire,* etc.

Musée Nissim de Camondo: 63 rue de Monceau, Paris 8e; f. 1936; branch of Musée des Arts Décoratifs; 18th-century furniture and works of art; Savonnerie carpets; china; silver work; Cur. JEAN MESSELET; Publ. *Catalogue.*

Musée du Petit Palais: avenue Alexandre III, Paris 8e; Municipal Museum, f. 1902; ancient and modern paintings and works of art; Asst. Cur. Mlle ADELINE CACAN.

Musée Rodin: Hôtel Biron, 77 rue de Varenne, Paris 8e; f. 1916; sculpture and drawings by Rodin and objects from his collections: Cur. Mme CÉCILE GOLDSCHEIDER.

Musée Social: 5 rue Las-Cases, Paris 7e; f. 1894; social information and documentation; public library containing 80,000 vols.; Cur. HENRI DEROY; publ. *Vie Sociale* (monthly).

Musée National des Monuments Français (fmrly. Musée de Sculpture Comparée): Palais de Chaillot, Place du Trocadéro, Paris 16e; f. 1882; library: 6,000 works on history of art, 200,000 photographs (including those belonging to the Archives des Monuments Historiques), collection of scale reproductions of murals of the Middle Ages and materials connected with building and decoration; casts of portions of monuments and sculptures from beginning of Christianity to 19th century; Cur. MARC THIBOUT; Keeper FRANÇOIS SOUCHAL; publ. *Guides.*

Musée Céramique de Sèvres: Place de la Manufacture, Sèvres (Seine-et-Oise); f. 1824; ancient and modern ceramic art; Cur. HENRY PIERRE FOUREST; Asst. M. YVER-FARÉ.

Musée National de Versailles et des Trianons: Château de Versailles (Seine-et-Oise); f. 1830 by Louis-Philippe; historical painting and sculpture from 16th to 20th centuries, furniture of the 17th to 19th centuries; Cur. GERALD VAN DER KEMP.

Maison de Victor Hugo: 6 place des Vosges, Paris 4e; f. 1903; personal belongings, first editions; library of 1,500 volumes; drawings by Victor Hugo, etc.; Cur. MARTINE ECALLE; publ. *Catalogue.*

Musée de L'Orangerie: Jardin des Tuileries and quai des Tuileries, Paris 1er; annexe to the Musée du Louvre; permanent exhibition of the "Nymphéas" murals by Claude Monet.

Musée Gustave Moreau: 14 rue de la Rochefoucauld, Paris 9e; f. 1902 from a bequest by the painter Gustave Moreau of his house and contents, including paintings, watercolours, sketches, and designs; Dir. JEAN PALADILHE.

Musée du Château de Compiègne: Compiègne (Oise); royal palace of the first kings of France, reconstructed under Louis XV and Louis XVI and redecorated under the First Empire; furniture of 18th and 19th centuries and First Empire period; tapestries of 18th century; collections from the Second Empire period; souvenirs of the Empress Eugénie; Cur. MAX TERRIER.

Musée de la Voiture et du Tourisme: Château de Compiègne; f. 1927 with the co-operation of the Touring Club de France; old carriages, sedan chairs, survey of development of the bicycle, the automobile, and the French railways; 150 vehicles; Cur. MAX TERRIER.

Musée Galliéna: 10 rue Pierre-1er-de-Serbie, Paris 16e; temporary exhibitions of modern art and applied art; Cur. René Héron de Villefosse.

Palais de la Découverte: *see under* University of Paris.

Provincial Museums

Musée Granet: place St. Jean de Malte, Aix-en-Provence; f. 1765; Egyptian, Greek, Celto-Ligurian, Roman and Gallo-Roman archæology; pictures of Cézanne and the French Schools, with special emphasis on Provence; Italian, Spanish, Flemish, Dutch and German Schools; sculpture; furniture of 16th, 17th and 18th centuries; Cur. Louis Malbos.

Musée de l'Hôtel de Ville: Amboise (Indre-et-Loire); collection includes tapestries, and autographs of the kings of France; Cur. Boris Lossky.

Musée de Picardie: rue de la République, Amiens (Somme); f. 1854; acquired by the municipality in 1869; fine collection of paintings of Northern and French Schools; murals by Puvis de Chavannes; Egyptian, Greek and Roman antiquities; objets d'art of Middle Ages and Renaissance; Cur. Robert Richard.

Musée des Beaux-Arts: 10 rue du Musée, Angers (Maine-et-Loire); f. 1797, housed in 15th century "logis Barrault"; paintings of 18th century French School and 17th century Dutch and Flemish Schools; sculpture, including busts by Houdon and complete works of David d'Angers; Cur. Henry de Morant.

Musée Calvet: 65 and 67 rue Joseph Vernet, Avignon (Vaucluse); f. 1810; rich archæological collection; antique and mediaeval sculpture; paintings of the Avignon School of 14th, 15th and 16th centuries, also French, Italian, Flemish and Dutch Schools; collection of ironwork; lapidary collection of the region and natural history section; Cur. Georges de Loye.

Musée Basque de Bayonne: 1 rue Marengo, Bayonne (Basses-Pyrénées); f. 1922; four sections covering the history and folklore of the town of Bayonne, the French Basque country, the Spanish Basque country, and the Basques in the New World; Dir. Dr. J. Haritschelhar.

Musée Granvelle: Palais Granvelle, 96 Grande Rue, Besançon; built 1534, museum since 1945; history of Franche-Comté; 17th-century Flemish tapestries; Cur. Mlle Cornillot; publ. *Le Palais Granvelle.*

Musée Populaire Comtois: La Citadelle, Besancon; folklore of Franche-Comté; Cur. Abbé Jean Garneret.

Musée des Beaux-Arts: 1 Place de la Révolution, Besançon (Doubs); f. 1843; prehistoric, Greek, Roman, Gallo-Roman, and Burgundian antiquities, paintings, sculpture, ceramics and objets d'art; special section of old clocks and watches; drawings (Paris and Gigoux collections), 15th-20th centuries and 18th-century French in detail; Cur. Mlle Cornillot.

Musée de la Coopération Franco-Américaine: Château de Blérancourt (Aisne); f. 1927 to contain collections presented to the State by Mrs. Anna Murray Dike, Miss Anne Morgan, and other French and American benefactors, relating to the history of Franco-American relations; the castle, formerly the ancestral home of the Ducs de Gesvres, is classed as an historical monument; Cur. Max Terrier.

Musée des Beaux-Arts: Cours d'Albret, Bordeaux (Gironde); f. 1801; paintings, sculpture, prints and drawings; Cur. Gilberte Martin-Lery.

Musée de Normandie: Château de Caen (Calvados); f. 1946; history, archæology and ethnology of Normandy; Cur. Prof. Michel de Bouard.

Musée Lannelongue: Castéra-Verduzan (Gers); bequeathed to the State in 1912 by Prof. Lannelongue; collection of works of art of all periods; lapidary collection of the district; Cur. M. Gauthé.

Musée des Beaux-Arts: Place de la Sainte-Chapelle, Dijon (Côte-d'Or); f. 1799 and housed in the Palace of the Dukes of Burgundy and the Palace of the States of Burgundy; Swiss primitives; paintings of Franco-Flemish School of 15th century and of other French and foreign schools; prints and drawings; sculptures from tombs of the Dukes of Burgundy; marble, ivory, armour; Cur. Pierre Quarré; publ. *Bulletin.*

Musée Magnin: 5 rue des Bons-Enfants, Dijon; Curators: G. Goulinat, Pierre Quarre.

Musée des Beaux-Arts: Place de Verdun, Grenoble (Isère); f. 1798; fine collection of paintings of XVIIth century, French, Spanish, Flemish schools; the modern collection includes paintings by Matisse, Braque, Picasso; Egyptology collection; Cur. Gabrielle Kueny.

Musée-Maison de la Culture du Havre: Chaussée des Etats-Unis, Le Havre; f. 1961; paintings and drawings from the 16th century to the present; sculpture; glass and ceramics; Dir. Reynold Arnould.

Musées: Le Mans; Cur. Raymond Blanc.

Musée de Tesse: 2 rue de Tesse; paintings and sculpture.

Musée Archéologique: 4 rue des Fossés-St. Pierre; Romano-Gallic, mediæval and Renaissance.

Musée de la Reine Bérengère: 11-15 rue de la Reine Bérengère; 16th-century architecture, folklore, ceramics, etc.

Musée de l'Automobile: circuit permanent de la Sarthe; cars, cycles and motorcycles.

Musée des Beaux-Arts: Place de la République, Lille (Nord); f. 1801; paintings of Flemish, Italian, Spanish, French and Dutch Schools; exceptional collection of drawings, sculpture, ceramics and archæological exhibits; Cur. Albert Chatelet.

Musée Adrien Dubouché: Place du Champ-de-Foire, Limoges; ceramics; Chief Cur. Pierre Verlet.

Musée de l'Evêché: place de la Cathédrale, Limoges (Haute-Vienne); Limoges enamels; Egyptian collection; modern drawings; lapidary collection; Cur. Serge Gauthier.

Musée des Beaux-Arts: Place des Terreaux, Lyon (Rhône); f. 1801 and housed in the former Benedictine Abbey of the Dames de Saint-Pierre, built in 1659; the important collection contains paintings of French, Flemish, Dutch, Italian and Spanish Schools, and sections devoted to local painters, modern art, and murals by Puvis de Chavannes; ancient, medieval and modern sculpture; French, Italian, Oriental and Hispano-Moorish ceramics; drawings, prints, furniture, numismatic collection; Chief Cur. Madeleine Rocher-Jauneau; publ. *Bulletin* (quarterly).

Musée des Beaux-Arts: Palais de Longchamp, Marseille (Bouches-du-Rhône); f. 1801; paintings, French, Foreign and Provençal schools; murals by Puvis de Chavannes; collection of drawings and paintings relating to Puget; sculptures and lithographs by Daumier; Cur. Mme J. Latour.

Musée Fabre: Rue Montpellieret, Montpellier (Hérault); f. 1825 by the painter Fabre; paintings of French (Greuze, Delacroix, Courbet, Bazille), Italian, Spanish and Flemish Schools; drawings, sculpture (Houdon), furniture; Cur. (vacant).

Musée des Beaux-Arts: Place Stanislas, Nancy (Meurthe-et-Moselle); f. 1804; paintings; Cur. Denis Rouart.

Musée des Beaux-Arts: 10 rue Georges-Clémenceau, Nantes (Loire Atlantique); f. 1804; 2,000 paintings; Cur. Claude-Pierre Souviron.

Direction des Musées de Nice: Nice (Alpes-Maritimes); f. 1921; Dir. J. Thirion.

Musée Massena: 65 rue de France and 35 promenade des Anglais; art and history; Curator J. Thirion.

Musée des Beaux-Arts: 33 avenue des Baumettes; painting and sculpture; works of Jules Chéret; Cur. G. MOSSA.

Musée du Vieux-Logis: avenue Saint Barthélemy; antique furniture; Cur. R. P. LEMERRE.

Musée des Ponchettes: 77 quai des Etats-Unis; temporary exhibitions.

Muséum d'Histoire Naturelle: 60 *bis* boulevard Risso; Cur. M. BECK.

Musée des Beaux-Arts: 1 place de la République, Orléans (Loiret); f. 1823 and housed in the former Hôtel de Ville of the 15th and 16th centuries; sculpture; French, Flemish and Dutch paintings and drawings (especially of 17th and 18th centuries); Curator OLGA FRADISSE.

Musée Historique et Archéologique de l'Orléanais: Hôtel Cabu, Place Abbé Desnoyes, Orléans; Celtic and Roman bronzes, sculpture of the early Middle Ages; Curator OLGA FRADISSE.

Musée Balzac: 47 rue Raynouard, Passy; the house where Balzac lived and wrote the *Comédie Humaine*; MSS., letters, drawings, portraits.

Musées de Pau: Pau (Basses Pyrénées); there are four museums:

Musée des Beaux Arts: f. 1864; pictures by French, Flemish, Dutch, Italian, Swedish and Spanish artists; sculptures, engravings and drawings; numismatic and prehistoric collections; Cur. M. D. OJALVO.

Musée Bernadotte: f. 1935; pictures and documents tracing the career of Jean Baptiste Bernadotte, later King of Sweden; Cur. M. D. OJALVO.

Musée Régional Béarnais: a collection relating to the Bearnese country; Cur. LOUIS DUCLA.

Musée National du Château de Pau: f. 1927; 16th- and 17th-century collection of tapestries; sovereign's apartments; Cur. JACQUES DE LAPRADE.

Musées de Poitiers: 9 rue Victor Hugo, Poitiers (Vienne); Cur. J. M. MOULIN.

Musée des Beaux-Arts: Hôtel de Ville, place Général-Leclerc; sculpture and paintings, from ancient times to the present day.

Musée Rupert de Chièvres: 9 rue Victor Hugo; industrial and decorative art, local history; (temporarily closed for alterations).

Musée de l'Echevinage: passage de l'Echevinage; archæological collections, prehistoric and Gallo-Roman.

Baptistère Saint-Jean: rue Jean Jaurès; Merovingian archæology.

Hypogée des Dunes: rue Père-Delacroix; 7th to 8th century archæology.

Musée des Beaux-Arts: Quai Emile-Zola, Rennes (Ille-et-Vilaine); f. 1799; paintings of French and foreign Schools, drawings, regional ceramics; Cur. MARIE BERIGOT.

Musée de Bretagne: Quai Emile Zola, Rennes (Ille-et-Vilaine); f. 1960; 19th-century costumes, furniture, popular art, historical documents, etc.; Cur. MARIE BERIGOT.

Musée des Beaux-Arts: 8 rue Chanzy, Rhiems (Marne); f. 1752; prehistoric, Celtic, and Gallo-Roman antiquities; paintings (especially Cranach and French School, 17th-century Le Nain, and 19th-century Delacroix-Gauguin), and Corot drawings; "Toiles Peintes", 15th century; tapestries of 15th and 16th centuries; Cur. FRANÇOIS POMARÈDE.

Musée Saint-Remi: 53 rue Simon, Rhiems (Marne); the old Abbey of St. Remi (13th to 18th centuries), prehistoric, celtic, gallo-roman, romanesque and gothic antiquities and sculptures; Cur. FRANÇOIS POMARÈDE.

Musée des Beaux-Arts et de Céramique: Square Verdrel, Rouen (Seine-Maritime); f. 1809; paintings, drawings and sculpture; ceramics from Rouen and elsewhere; Cur. Mlle POPOVITCH.

Musée Maeght: St.-Paul-de-Vence; f. 1964; modern paintings and sculptures.

Musée Annonciade: St. Tropez; paintings by Utrillo, Seurat, etc.; Dir. DUNOYER DE SEGONZAC.

Musée de l'Ile de France: Château de Sceaux (Seine); f. 1935; old and modern paintings, sculpture, engravings, furniture, decorative art, history and popular traditions of the environs of Paris; annexes: Orangerie and Pavillon de l'Aurore (Parc de Sceaux); Chief Cur. RENÉ HERON DE VILLEFOSSE; Cur. GEORGES POISSON.

Musée Archéologique: Château de Rohan, 2 place du Château, Strasbourg; prehistoric and Gallo-Roman collections; results of excavations in Alsace-Lorraine; Cur. J. J. HATT.

Musée des Augustins: 2 *ter* rue Alsace-Lorraine, Toulouse (Haute-Garonne); f. 1795 and housed in the former Augustine Convent, of which parts date from the 14th and 15th centuries; mediaeval sculptures, paintings; Cur. PAUL MESPLE.

Musée des Beaux-Arts: Place François-Sicard, Tours (Indre-et-Loire); f. 1793 and moved in 1910 to the former Archbishop's palace dating from the 17th and 18th centuries; paintings by Mantegna, Rubens, Rembrandt, Terborch, Vignon, Lancret, Boucher, Delacroix, Degas; sculpture by Le Moyne, Houdon, Bourdelle; furniture, tapestries and objets d'art; Cur. PHILIPPE CHAPU; affiliated museums:

Château de Plessis-lès-Tours: contains collection of souvenirs of Louis XI and St. Francis of Paula; silks, pottery, local industries.

Musée d'Espelosin: museum of wine-making.

Château d'Azay-le-Ferron: buildings and furniture of the 16th to early 19th century.

Musées Archéologiques de Touraine: Hôtel Babou, 8 place Foire-le-Roi and Hôtel Gouin, 33 rue du Commerce.

Musée de Richelieu: Hôtel de Ville, Richelieu, (Indre-et-Loire); f. 1961; objects of art, historical souvenirs relating to Cardinal Richelieu and the castle and town of Richelieu; Cur. PHILIPPE CHAPU.

Musée des Beaux-Arts: boulevard Watteau, Valenciennes; painting, sculpture, folklore, tapestry, etc.; Cur. S. GUILLAUME.

STATE UNIVERSITIES

UNIVERSITÉ D'AIX-MARSEILLE

38 COURS MIRABEAU,
AIX-EN-PROVENCE

Telephone: 1967-1968-426-3647.

Founded 1409.

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Secretary: M. HEBMANN.
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The libraries contain about 639,000 volumes.

Number of teaching staff: 731, including 169 professors.

Number of students: 21,000 (men and women).

Publications: *Annales de la Faculté de Droit d'Aix, Annales de la Faculté de Lettres d'Aix, Annales de la Faculté des Sciences de Marseille.*

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GOLVIN, Muslim Archæology
GRANGER, Psychology
GUIGUET, American Literature and Civilisation
GUIRAL, Modern and Contemporary History
GUIRAUD, Philosophy
GUYON, French Literature
JONIN, French Literature of the Middle Ages and Renaissance
ISNARD, Geography of the French Union and the Tropics
MANESSY, African Linguistics
MANTRAN, Turkish Literature and Civilisation
MÉRY, Philosophy
MEYER, General Philosophy and Logic
MIÈGE, J., Geography
MIÈGE, J.-L., History of Colonisation
MOULINIER, Greek Language and Literature
ONIMUS, French Literature
PALANQUE, Ancient History
PUOQUET, Geography
REGARD, French Literature
ROSTAING, Romance Languages
RUFF, French Literature
SAGAVE, German Language and Literature
STEFANINI, History of French Language
TALADOIRE, Latin Language and Literature
TOURNEAU, LE, Muslim Civilisation
WOLKOWITSCH, Geography

Faculty of Medicine and Pharmacy at Marseilles:
APPAIX, Clinical Oto-Rhino-Laryngology
AUDIER, Internal Medicine
BALANSARD, Materia Medica
BLANC, Clinical Tropical Diseases
BRAHIC, Bacteriology and General Pathology
CARCASSONNE, Surgical Pathology
CHARPIN, Clinical Pneumo-Phthisiology
CHOSSON, Clinical Obstetrics and Gynæcology
DELPHAUT, Galenic Pharmacy
DERRIEN, Medical Chemistry
DONNET, Experimental Medicine
DOR, Surgical Pathology
DUBOULOZ, Physical Medicine
DUCASSOU, Clinical Urology
DUMAZERT, Chemistry
GASTAUT, Pathological Anatomy
GRANJON, Surgical Pathology
GREBUS, Microbiology
GRISOLI, Anatomy
HENRY, Anatomy and Experimental Surgery
JAYLE, Clinical Ophthalmology
JOUVE, Clinical and Experimental Cardiology
LAMY, Clinical Surgery
LAVAL, Physiopathology
LENA, Surgical Pathology
LISSITZKY, Medical Biochemistry
MARONNEAUD, Stomatology
MONGES, Internal Pathology
MORIN, Physiology
MOSINGER, Forensic and Industrial Medicine
MOURGUE, Mineral Chemistry
OLMER, Clinical Therapeutic Medicine
PAILLAS, Clinical Neuro-Surgery
PELLISSIER, Cryptogamy and Botany
PICARD, Histology
PIÉRI, Therapeutics
POINSO, Clinical Medicine
RANQUE, Parasitology
RAYBAUD, Infectious Diseases
RECORDIER, Digestive and Nutritional Diseases
ROUX, Physical Medicine
SALMON, Clinical Child Surgery and Orthopædics
SAUTET, Hygiene and Welfare Services
STAHL, Histology and Embyrology
VAGUE, Medical Endocrinology
VIGNOLI, Chemical Pharmacy and Toxicology

Faculty of Sciences at Marseilles:
ABELOOS, General Biology
AMAR, Animal Biology
ARAGNOL, General Biology
BERTRAND, Chemistry
BLANCHARD, General Mathematics
BODIOU, Mathematical Technique of Physics
BOUGHON, Mathematics
BOUSQUET, Physics
CALVET, Chemistry
CARPENI, Chemistry
CASAL, Rational and Applied Mechanics
CHOUTEAU, Animal Physiology
CLARION, Mlle, Fluid Mechanics
CORROY, Geology and Mineralogy
COTTON, Electronics and Radioelectricity
COULON, Physics
DESNUELLE, Biochemistry, Fats and Oils
DEVEZE, Oceanography
DOUCET, Physics
DUSSARDIER, Animal Physiology
FAVRE, Meteorology and Atmospheric Mechanics
FEHRENBACH, Astronomy
FOURÉS, L., General Mathematics
FURNESTIN, Mme, Animal Biology
GOUVERNET, Applied Geology
GUILLEMONAT, Industrial Chemistry
JAUSSERAN, Physics
JULG, Chemistry
KASTLER, Theoretical Physics
LAFFITTE, Chemistry
LEFEBVRE, Chemistry
MALÉ, Atomic and Molecular Physics
MÉRIGOUX, Industrial Physics
METZGER, Chemistry
MOLINIER, Plant Biology
MONIER, Biochemistry
NAHON, Mathematics
NAUDET, Chemistry
NEGRE, R., Vegetable Biology
PAILLARD, Psycho Physiology
PÉRÈS, Marine Biology
PERROT, Electricity
PESTEIL, Physics
PRAT, Botany
QUEZEL, Plant Biology
ROUARD, General Physics
ROYER, Mineralogy
SAVIDAN, Chemistry
SAVORNIN, Physics
SOURIAU, Mathematical Methods of Physics
TAXY, Mme, Geology
TIMON-DAVID, General Zoology
TROMPETTE, Physics
VALENSI, Practical Fluid Mechanics
VINCENSINI, Higher Geometry, Differential and Integral Calculus
VISCONTI, Theoretical Physics
WACHS, General Mathematics

Institut de Médecine Expérimentale de Nice.
Director: Prof. MORIN.

INSTITUTES:

Institut d'Etudes politiques: 25 rue G. de Saporta, Aix-en-Provence; Dir. P. DE GEOUFFRE DE LA PRADELLE.

Institut d'Administration des Entreprises: Nouvelle Faculté de Droit, Aix-en-Provence; Dir. Prof. J. C. PERRIN.

Institut des Sciences Pénales et de Criminologie: 21 rue G. de Saporta, Aix-en-Provence; Dir. Prof. R. GASSIN.

Institut de Médecine Légale, de Médecine du Travail et d'Hygiène Industrielle: boulevard Charles Liron-le-Pharo, Marseille; Dir. Prof. MOSINGER.

Institut de Médecine et de Pharmacie Tropicales: Faculté de Médecine, boulevard d'Alès, Marseille; Dir. M. MORIN.

Institut Régional d'Education Physique: 51 rue R. Teissère, Marseille; Dir. M. MARTINET.

Institut d'Hygiène Tropicale et du Médecine Sociale: Faculté de Médecine, boulevard d'Alès, Marseille; Dir. Prof. SAUTET.

Institut de Biométrie Humaine et d'Orientation Professionnelle: 11 rue Mission de France, Marseille; Dir. Prof. PAILLARD.

Institut de Recherches et d'Applications Médicales des Isotopes Radioactifs: Faculté de Médecine, boulevard d'Alès, Marseille; Dir. Prof. ROUX.

Institut de Mécanique des Fluides: 1 rue Honnorat, Marseille; Dir. Prof. VALENSI.

Institut de Promotion Supérieure du Travail: Faculté des Sciences, place Victor Hugo, Marseille; Dir. Prof. BODION.

Institut d'Etudes Françaises pour Etudiants Ètrangers: 23 rue Gaston-de-Saporta, Aix-en-Provence; Dir. M. BOURDE.

UNIVERSITÉ DE BESANÇON

8 RUE DE LA CONVENTION, BESANÇON

Telephone: 83-64-72.

Founded 1422 at Dole, 1691 at Besançon.

Rector: H. GAUTHIER.
Vice-President: P. LEVEQUE.
Administrative Officer: H. DEBARBOUILLÉ.
Librarian: J. MIRONNEAU.

Number of professors: 53.
Number of students: 4,654.

Publications: *La Vie de l'Université, Livret de l'Etudiant* (annuals), *Annales Françaises de Chronométrie, Revue Géographique de l'Est* (quarterlies).

DEANS:

Faculty of Sciences: R. JACQUEMAIN.
Faculty of Letters: P. LEVEQUE.
Faculty of Medicine and Pharmacy: P. LAUGIER.
Faculty of Law and Economic Sciences: J. GAY.

PROFESSORS:

Faculty of Sciences:
BERNARD, J., Physical Chemistry
CHALÉAT, R., Applied Mechanics
CHATELET, F., Differential and Integral Calculus
CROISOT, R., Mathematics
DELHAYE, J., Astronomy
DREYFUSS, M., Geology, Mineralogy
JACQUEMAIN, R., Applied Chemistry
MESNAGE, P., Chronometry
NAHON, F., Mechanics
PERROT, R., General Chemistry
QUANTIN, A., Botany
RIGAL, J. L., Mathematics
RIPPLINGER, J., Zoology
ROZIS, A. MARIE, Physics
THÉOBOLD, N., Geology
THIÉBAUT, J., Geology, Mineralogy
TRONCHET, A., Botany
VIENOT, J., Physics

Faculty of Letters:
BLUCHE, F., Modern History
COUSIN, J., Latin Language and Literature
DAVEAU, SIMONE, Geography
FOHLEN, C., Modern History
FOURRIER, G., German Language and Literature
LERAT, L., Archæology and History of Ancient Art
LEVEQUE, P., Ancient History
MATORÉ, G., French Langauge
ROBERT, G., French Literature
ROUGERIE, G., Geography
SCHERRER, Y., Greek Language and Literature
VARET, G., Philosophy

School of Medicine nad Pharmacy:
BRUCHON, M., Physics
GOMET, C., Internal Pathology
HENRIET, J., Anatomy
LAUGIER, P., Dermatology
LECONTE DES FLORIS, Obstetrics and Gynæcology
LEVILLAIN, R., Pathological Anatomy
MILLERET, P., External Medicine
VOLMAT, R., Neurology and Psychiatry

Collège Universitaire de Droit et des Sciences Economiques: place Granvelle, Besançon; Dir. J. GAY.

PROFESSORS:

BART, J.
DEHAUSSY, J.
DUCROS, B.
EICHER, J. C.
FRANCON, A.
HAMON, L.
LOUIS-LUCAS, P.
MERCILLON, H.
MOTULSKY, H.

Institut d'Etudes Comtoises et Jurassiennes: 18 rue Chifflet, Besançon; Dir. C. FOHLEN.

Centre de Documentation et de Bibliographie Philosophiques: 18 rue Chifflet, Besançon; Dir. G. VARET.

Centre de Linguistique Appliquée: 30 rue Mégevand, Besançon.
Foreign Languages: Dir. M. G. FOURRIER.
French Language: Dir. M. B. QUEMADA.

Institut de Chimie: 32 rue Mégevand, Besançon; Dir. R. JACQUEMAIN.

École Nationale Supérieure de Chronométrie et de Microméchanique: 41 avenue Villarceau, Besançon; Dir. P. MESNAGE.

Institut de Promotion Supérieure du Travail: place Leclerc, Besançon; Dir. R. JACQUEMAIN.

Institut de Langue et de Civilisation Française pour les Etudiants Étrangers.
Director: B. QUEMADA.
Secretary: R. ROUQUAIROL.

UNIVERSITÉ DE BORDEAUX

29 COURS D'ALBRET, BORDEAUX

Telephone: 44-76-53.

Founded 1441.

Rector: J. BABIN.

Number of teaching staff: 244, including 106 professors.

Number of students: 8,307 men, 6,100 women, total 14,407.

DEANS:

Faculty of Law: J. LAJUGIE.
Faculty of Medicine and Pharmacy: F. TAYEAU.
Faculty of Sciences: R. CALAS.
Faculty of Letters: L. PAPY.
Director of Observatory: P. SÉMIROT.

PROFESSORS:

Faculty of Law:
AUBY, Administrative Law
BOUSQUET, Political Economy
BRÈTHE DE LA GRESSAYE, Civil Law
BRIÈRE, DE L'ISLE, Civil Law
CHAUVEAU, Civil Law
DELMAS ST. HILARE, Civil Law
DERRUPPE, Commercial Law
DUCOS-ADER, Administrative Law
ELLUL, History of Law
GARRIGOU-LAGRANGE, A., Political Economy
HUBRECHT, G., History of Law, Roman Law
JAUBERT, P., History of Law
LAJUGIE, Political Economy and Financial Science
LALUMIÈRE, Public Law
LASSUDRIE-DUCHENE, Political Economy
MABILEAU, Constitutional Law
MÉRIGOT, Political Economy
MERLE, Public International Law
MINVIELLE, Political Economy
PASSET, Political Economy
PENOUIL, Political Economy
PERRET, Civil Law
ROBINO, Civil Law
ROUQUET-LA GARRIGUE, Political Economy, Statistics
SCHNAPPER, History of Law
SEURIN, Public Law
SOUBEYROL, Public Law
TREILLARD, Civil Law
VANDENBOSSCHE, History of Law

Faculty of Medicine and Pharmacy:
AUBERTIN, E., Clinical Medicine and Infectious Diseases
BERGOUIGNAN, M., Nervous and Mental Pathology
BESSIÈRE, E., Ophthalmology
BLANQUET, P., Applied Nuclear Physics and Radiobiology
BROUSTET, P., Clinical Medicine
CASTAGNOU, R., Applied Hygiene and Toxicology
CAZAUX, P., Hydrology
CHASTRUSSE, L., Obstetrics
CHOUSSAT, H., Semeiotic Medicine
DELMAS-MARSALET, P., Neurology and Psycho-Pathology

Dervillée, P., Forensic and Industrial Medicine
Despons, J., Oto-Rhino-Laryngology
Dubarry, J., Hydropathy and Climatology
Dubourg, Clinical Surgery of Cardiac Diseases
Dufour, Anatomy
Faure, J., Physiopathology and Neurophysiology
Fontan, A., Children's Diseases
Fourment, P., Pharmacology
Freour, Tuberculosis
Golse, R., General and Mineral Chemistry
Grailly, R. de, Clinical Medicine
Grandpierre, R., Physiology
Lachapèle, A., Carcinology
Lange, J., Urinology
Laporte, F., General Surgery
Laubie, H., Botany
Laumonier, P., Pathology and Surgical Technique
Le Coulant, P., Dermatology and Syphilology
Léger, A., Pathological Anatomy
Leng-Lévy, Clinical Medicine
Letac, R., Pathology and Surgical Research
Magendie, J., Clinical Surgery
Mahon, P., Obstetrics
Mandoul, Zoology and Parasitology
Masquelier, J., Materia Medica
Massé, L., Surgery
Mayer, G., Anatomy and Histology
Mesnard, Chemistry
Moretti, G., Tropical Medicine and Hygiene
Moustardier, G., Bacteriology
Neuzil, E., Medical Biochemistry
Pautrizel, R., Immunology
Pouyanne, Child Surgery and Orthopædics
Quilichini, R., Galenic Pharmacy
Reboul, J., Radiology and Medical Electricity
Richir, Cl., Pathological Anatomy
Rigaud, F., Anatomy
Rougier, Mlle G., Applied Biology and Physical Education
Saric, General and Experimental Pathology
Stoll, R., Biology
Tayeau, F., Biological and Medical Chemistry
Tingaud, R., Semeiotic Surgery
Traissac, F. J., Therapeutics
Verger, P., Pediatrics and Child-Care
Villar, J., Clinical Gynæcology
Vitte, G., Chemical Pharmacy and Pharmacodynamics

Faculty of Sciences:
Allard, J., Chemistry
Avel, M., Zoology and Animal Physiology
Baganas, Mathematics
Baraud, J., Biochemistry
Blondel, Mathematics
Bordes, Prehistory
Bothorel, P., Chemistry
Bounhiol, J. J., Zoology
Brus, G., Chemistry
Calas, R., Organic Chemistry
Cambar, R., General Biology
Cardo, B., Psychophysiology
Cau, M., Experimental Physics
Charru, A., Physics
Chastel, R., Nuclear Physics
Clastre, Crystallography
Clin, M., Geology
Colmez, Mathematical Physics
Créac, H., Comparative Biochemistry of Nutrition
Dangeard, P., Botany
David, R., Plant Biology
Destriau, M., Chemistry
Dufresnoy, J., General Mathematics
Emberger, J., Geology
Eyme, Botany
Frainnet, Organic Chemistry
Gay, R., Mineralogy
Genevois, L., Bio-Chemistry and Plant Physiology
Gottis, Advanced Geology
Guizonnier, R., Physics
Hagenmuller, Mineral Chemistry
Haget, A., Experimental Zoology
Hoarau, Physical Chemistry
Joussot-Dubien, J., Chemistry
Lafargue, Physics
Laffitte, Mlle E., Physics
Lafon, M., General Physiology
Lalande, R., Applied Chemistry
Lascombe, J., Chemistry
Lemanceau, Chemistry
Lochet, R., Physics
Loudette, P., Physics
Marchand, A., Chemistry
Mayer, H., Physics
Milloux, H., Infinitesimal Calculus
Pacault, A., Physical Chemistry
Paty, Chemistry
Petit, G., Corpuscular Physics
Regnier, A., Mathematics
Ribéreau-Gayon, J., Œnology and Agricultural Chemistry
Riss, J. Mathematics
Roch, J., Physics
Roger, F., Rational Mechanics
Rousset, A., General Physics
Ruamps, J., Electronic Physics
Schoeller, H., Geology
Sechet, J., Botany
Sémirot, P., Astronomy
Servant, R., Physics
Simonoff, G., Radiochemistry
Sourisseau, G., Chemistry
Tison, Mde F., Mathematics
Valade, J., Organic Chemistry
Valentin, F., Physics
Vigneaux, M., Geology
Vindt, J., Biology
Vinh Mau, R., Theoretical Physics
Weill, R., Embryology and Comparative Anatomy

Faculty of Letters:
Bourricaud, F., Social Science
Braure, M., Modern and Contemporary History
Burguière, P., Grammar of Classical Languages
Chateau, J., Psychology and Pedagogy
Chevalier, F., Latin American Civilisation
Daval, R., Logic and Philosophy of Science
Desport, Mlle M., Latin Philology
Dulck, J., English
Dupeux, G., Modern and Contemporary History
Dupuy, M., Philosophy
Enjalbert, H., Geography
Escarpit, R., Comparative Literature
Etienne, R., Roman History
Flottes, P., French Language and Literature
Fournier, H., Comparative Grammar and Philology
Guillemain, B., Medieval History
Haury, A., Latin Language and Literature
Higounet, C., Auxiliary Historical Sciences
Idris, H., History of Arab West
Lacroze, R., Philosophy
Lafon, R., Basque Language and Literature
Lasserre, G., Tropical Geography
Lefèvre, Y., Language and Literature of South-West France
Loiseau, J., English Language and Literature
Luciani, G., Slavonic Languages, Literatures and Cultures
Marache, M., German Language and Literature
Mercier, R., French Literature
Métais, P., Ethnology
Moreau, J., History of Philosophy and Science
Papy, L., Geography
Pariset, F., History of Modern and Contemporary Art
Roques, Mlle M., History of Medieval Art
Rouché, M., German Literature and Civilisation
Rouchette, J., Italian
Salomon, N., Spanish and Latin-American Language and Literature
Vernière, P., Modern and Contemporary French Literature

UNIVERSITÉ DE CAEN

ESPLANADE DE LA PAIX, CAEN

Telephone: 81-59-10.

Founded 1432 in Caen.

Rector: P. Daure.

Secretary-General: M. Legaud.

Number of teaching staff: 315, including 125 professors.

Number of students: 3,832 men, 2,483 women, total 6,315.

Deans:

Faculty of Jurisprudence: H. Lemonnier.

Faculty of Sciences: N. Lozac'h.

Faculty of Letters: M. de Bouard.

Director of School of Medicine (Caen): Dr. Porin.

Director of School of Medicine (Rouen): Dr. Fleury.

Professors:

Faculty of Jurisprudence:
Barre, Political Economy
Boutard, Civil Law
Carabie, Roman Law
Cardascia, Roman Law
De Corail, Public Law
Jambu-Merlin, Commercial Law
Joly, Civil Procedure
Ladreit de Lacharrière, Administrative Law
Lemonnier, Civil Law
Mabileau, Public Law
Morange, Public Law
Nguyen Quoc Dinh, Public Law
Pasquier, Political Economy
Perreau, Criminal Law and Penal Procedure
Plaisant, Civil Law
Roche, Public Law
Schaeffer, Civil Law
Soyer, Civil Law
Yver, History of Law

Faculty of Sciences:
Apery, Differential and Integral Calculus
Bachelet, Chemistry
Backes, Chemistry
Binet, Botany
Bocquet, Zoology
Bourion, Mathematics
Campbell, Mathematics
Cojan, Physics
Colombani, Physics
Conia, Chemistry
Dangeard, Geology and Palæontology

Gayral, Mme, Botany
Giacomo, Physics
Jacquet, Microbiology
Lozac'h, Chemistry
Monier, Mineralogy
Pallu de la Barrière, Mathematics
Pareyn, Geology
Pham, Mathematics
Pitot, Botany
Rey, Zoology
Romanet, Chemistry
Scherer, Physics and Mineralogy
Thureau, Physics
Vialle, Chemistry
Walter-Lévy, Chemistry

Faculty of Letters:
Bar, Language and Literature of the Middle Ages and the Renaissance
Bloch, Psychology
Bornecque, Modern French Language and Literature
Bouard, de, Norman and Medieval History
Brunet, Human Geography
Chaunw, Modern History
Costil, Greek Language and Literature
Dumery, Sociology
Durand, Scandinavian Language and Literature
Garapon, French
Guinet, German Language and Literature
Harmand, Ancient History
Journaux, Geography
Jumeau, Latin Language and Literature
Leclaire, Language and Literature of Anglo-Saxon Peoples
Leveque, Philosophy
Louis, Medieval and Renaissance French Language and Literature
Merle, English Language and Literature
Mialaret, Psychology
Micha, Medieval and 16th Century French
Monod, English Language and Literature
Vidalenc, Modern and Contemporary History

School of Medicine and Pharmacy (Caen):
Bonnet, Obstetrics
Chaperon, Clinical Surgery
Dutriex, Medical Physics
Guibé, Surgery
Lacroix, Clinical and Surgical Pathology
Lemaire, Physiology
Lhirondel, Clinical Medicine of Infants
Olivier, Clinical Medicine
Pin, Medical Biochemistry
Porin, Clinical Medicine
Rousselot, Pathological Anatomy
Villey, Clinical Medicine
(Vacant—Anatomy, Histology)

School of Medicine and Pharmacy (Rouen):
Dessaint, Clinical Surgery for Infants
Fleury, Clinical Medicine for Infants
Hector, Surgical Pathology
Jouanneau, Clinical Surgery
Laumonier, Pathological Anatomy
Lauret, Obstetrics
Louvel, Histology
Mahoudeau, Medical Pathology
Michon, Therapeutics
Potez, Clinical Medicine
Schrub, Legal Medicine
Seyer, Anatomy
Stewart, Clinical Dermato-Syphilography
(Vacant—Medical Biochemistry)

Affiliated Institutes:

Institut de Chimie: Nouvelle Université, Caen (Calvados); f. 1926; Dir. Prof. N. Lozac'h; 90 undergraduate students (three-year course), 20 graduate students engaged in research work; 19 professors.

Institut Tecnhique: rue de Gaillon, Caen; Dir. P. Giacomo.

UNIVERSITÉ DE CLERMONT-FERRAND

3 AVENUE VERCINGETORIX, CLERMONT-FERRAND

Telephone: 92-93-67.

Founded 1810.

Rector: E. Lapalus.
Secretary of the University: M. Fleury.
Secretaries of the Faculties: M. Bretagne, M. Berthon, Mme Chopart, Mme Lachize.
Librarian: Mlle Chevalier.

Number of teachers: 461, including 87 professors.

Number of students: 4,203 men, 3,811 women, total 8,014.

Deans:

Faculty of Science: M. Roques.
Faculty of Arts: F. Vian.
Faculty of Law: J. Parent.
Faculty of Medicine and Pharmacy: M. Meyniel.

Professors:

Faculty of Science:
Avan, Experimental Physics
Avan, Mme, Physics
Baillaud, Botany
Balanzat de los Santos, Mathematics
Bathier, Physics
Berthet, Mlle, Physics
Blanc, Mechanics
Champagnat, Vegetable Physiology
Combe, Physics
Delost, Animal Physiology
Dondon, Mlle, Physical Chemistry
Dubois, Physics
Ducher, Mlle, Chemistry
Duplessis-Kergomard, Chemistry
Guillaume, Mathematics
Hennequin, Mme, Mathematics
Hovasse, General and Applied Zoology
Krasner, Algebra
Lapadu-Hargues, Mineral Geology
Loiseau, Botany
Lutz, Animal Biology
Pariaud, Physical Chemistry
Peterlongo, Geology
Puytorac, de, Biology
Rambaud, Chemistry
Raoult, Physics
Roques, Mineral Geology
Saurel, Physics
Truffault, Organic Chemistry
Vessière, Chemistry
Viallard, Physical Chemistry

Faculty of Arts:
Blondel, English
Citron, French
Derruau, Geography
Estienne, Geography
Fel, Geography
Foucault, Philosophy
Fournier, Medieval History
Gille, Economic History
Henry, History
Mazaleyrat, Romance and Dialect Philology
Mosse, Mlle, History of Antiquity
Raynaud de Lage, French Medieval Language and Literature
Ricci, German
Soboul, Modern and Contemporary History
Tellier, English Philology
Vallet, Latin
Viallaneix, French
Vian, Greek

Faculty of Law:
Gaucher, Public Law
Gaudin de Lagrange, Mlle de, Private Law
Mouchez, Political Economy
Petot, Public Law
Pontavice, du, Private Law
Ruzie, Public Law
Sebag, Private Law
Sergene, Roman Law
Stoufflet, Commercial Law

Faculty of Medicine and Pharmacy:
Barrier, Clinical Surgery
Bastide, Natural Sciences
Baudon, Obstetrics
Bergeron, Medical Pathology
Bernard-Griffiths, Clinical Medicine
Coulet, Botany and Microbiology
Cuvelier, Hydrology and Climatology
Dastugue, Biological Chemistry and Pharmacodynamics
Dauphin, Biological Chemistry and Toxicology
Duchene-Marullaz, Physiology
Febvre, Galenic Pharmacy
Germain, Clinical Surgery
Gras, Therapeutics
Jacquemet, Surgical Technique
Lataix, Surgical Pathology
Meyniel, Medical Biophysics
Molina, Clinical Pneumo-Phthisiology
Petit, Legal and Social Medicine
Porot, Neurology and Psychiatry
Pourrat, Medical Matters
Rouher, Clinical Ophthalmology
Terrasse, Clinical Medicine
Thieblot, Physiology
Tronche, Chemical Pharmacy
Turchini, Histology and Embryology
Vaurs, Bacteriology and Hygiene
Willemin-Clog, Children's Diseases

UNIVERSITÉ DE DIJON

2 RUE CRÉBILLON, DIJON

Telephone: 30-31-00.

Founded 1722.

President and Rector: M. Bouchard.
Secretary: L. Trevin.
Librarian: Mlle Barthélemy.

Number of teaching staff: 163, including 43 professors.

Number of students: 5,782.

Publication: *Publications* (monographs).

Deans:

Faculty of Arts: R. Martin.
Faculty of Sciences: R. Ciry.
Faculty of Law: J. Dehaussy.
School of Medicine and Pharmacy: J. de Girardier (Director).

Professors:

Faculty of Arts:
Armengaud, Contemporary History
Brlin, Philosophy
Chardonnet, Geography
Chastaing, Psychology
Corbet, Russian Language
Dubois, Geography
Folz, Medieval History
Grivelet, English Language and Literature

Koessler, German Literature
Le Gall, Ancient History
Le Roy, Philosophy
Loriot, French Philosophy and Grammar
Martin, Classical Grammar and Philology
Milner, French Literature
Monteil, Philology of Classical Languages
Parain-Vial, Mme, Philosophy
Pruner, F., French Language and Literature
Richard, Burgundian History, Literature and Dialect
Saint Denis, de, Latin Language and Literature
Talon, English Language and Literature
Ternois, Comparative Literature
Weil, Greek Language and Literature

Faculty of Sciences:
Amiot, Physics
Afbault, Mathematics
Arnal, C., Botany
Baron, Biological Chemistry
Barret, Chemistry
Bouchard, Radioelectricity
Bugnon, Plant Biology
Bulard, Plant Physiology
Chaudonneret, Zoology
Ciry, R., Geology, Mineralogy and Physical Geography
Clement, Animal Physiology
Decombe, Applied Chemistry
Husson, General Biology
Lagrange, Differential and Integral Calculus
Mangin, Geology
Mariot, L., Physics
Noirot, Zoology
Orgeval-Dubouchet, D', Rational Mechanics
Rat, Geology
Rey, Applied Biology
Tirouflet, General Chemistry
Vernier, Physics

Faculty of Law:
Bart, Law, Roman Law
Blondel, Public Law
Chevrier, History of Law
Dehaussy, J., Public Law
Ducros, B., Political Economy
Domarchi, Political Economy
Eicher, Political Economy
Flamant, Political Economy
Françon, Private Law
Gavalda, Roman Law
Gay, J., History of Public Law
Guglielmi, J.-L., Political Economy
Hamon, L., Political Sciences
Kornprobst, B., Public Law
Louis-Lucas, Private International Law
Mercillon, Civil Law
Motulsky, Private Law
Ponsard, Civil Law
Prou, Political Economy

School of Medicine and Pharmacy:
Baron, Clinical Obstetrics
Barry, Anatomy
Bizot, Pharmacy and Materia Medica
Bizot, M., Botany and Cryptogamy
Cabanne, Pathological Anatomy
Cortet, Medical Pathology
De Girardier, Clinical Surgery
Dubard, Surgical Pathology
Jeannin, Clinical Child Medicine
Klepping, Physiology
Michel, Analytical Chemistry
Nouvel, Pharmacy
Pallot, G., Histology
Pichat, Bacteriology

UNIVERSITÉ DE GRENOBLE

7 PLACE BIR-HAKEIM, GRENOBLE

Telephone: 44-14-50 and 44-14-51.

Founded 1339.

Rector: R. Tréhin.
Secretary: M. Schneider.

Number of teaching staff: 212, including 100 professors.

Number of students: 9,686 men, 6,900 women, total 16,586.

Publications: *Revue de Géographie Alpine, Textes et Statistiques, Annales de la Faculté des Sciences, Publications du Laboratoire de Géologie, Publications de la Faculté de Droit, Publications de la Faculté des Lettres, Vie de l'Université de Grenoble.*

Deans:

Faculty of Law: J. Maillet.
Faculty of Sciences: L. Weil.
Faculty of Letters: P. Veyret.
Faculty of Medicine: J. Roget.

Professors:

Faculty of Law and Economic Sciences:
Charpentier, Public Law
Chevallier, P., Institutional and Social History
Debernis, Economics
Giverdon, C., Civil Law
Givord, F., Civil and Commercial Law
Larguier, J., Criminal Law
Maillet, J., Institutional and Social History
Mossé, R., Political Economy
Ollier, Private Law
Page, A., Political Economy
Peiser, Private Law
Quermonne, J. L., Public Law
Robert, J., Public Law

Faculty of Sciences:
Arnaud, Chemistry
Ayant, Y., Physics
Barbier, R., Applied Geology
Barbier, Physics
Barjon, Nuclear Physics
Barnoud, Bio-Synthesis
Benoit, J., Radio-Electricity
Besson, J., Mineral Chemistry
Blambert, Mathematics
Bonnier, Electro-Chemistry
Bouchez, Nuclear Physics
Buyle-Bodin, Electronics
Chabauty, C., Differential and Integral Calculus
Chêne, M., Chemistry of Paper
Craya, Hydrodynamics
Debelmas, J., Geology
Dessaux, G., Animal Physiology
Dreyfus, Thermodynamics
Fallot, M., Electrotechnics
Felici, N., Physics
Gallissot, F., Mechanics
Galvani, O., Mathematics
Gerber, R., Mathematics
Heilmann, R., Chemistry
Klein, Mathematics
Koszul, Mathematics
Kravtchenko, J., Mathematics
Kuntzmann, J., Mathematical Physics
Lliboutry, Physics
Lutz, Mlle, General Mathematics
Michel, Geology and Mineralogy
Moussa, A., Nuclear Chemistry and Radio-activity
Moussiegt, Electronics
Néel, L., Experimental Physics
Ozenda, P., Botany
Pardé, M., Fluvial Hydrology
Pauthenet, R., Electrotechnics
Pillet, E., Electrotechnics
Reulos, R., Physics
Santon, L., Fluid Mechanics
Sengel, Zoology
Silber, Mechanics of Fluids
Soutif, M., Physics
Traynard, P., Chemistry
Vaillant, Zoology
Vauquois, B., Electronic Calculus
Weil, L., Physics

Faculty of Letters:
Baratier, P., English Language and Literature
Bligny, History of the Middle Ages
Cellier, L., French Literature
Chaix-Ruy, J., Philosophy and Aesthetics
Del Litto, Italian Literature and Comparative French
Deschamps, English Language and Literature
Dessenne, Greek Literature and Institutions
Durand, G., Sociology
Goré, Mme, French Literature and Thought of the 17th and 18th Century
Guichard, L., History of Art
Jalabert, J., Philosophy
Jobert, A., Modern and Contemporary History
Lapeyre, Modern History
Le Hir, Y., Modern French Philology
Mallion, J., French Literature
Martin, Classical Philology
Masseport, J., Geography
Mayer, French Language and History
Millet, L., Psychology
Petit, P., Ancient History
Robert, A., German Language and Literature
Veyret, Mme G., Geography
Veyret, P., Mountain Geography
Wagner, J., American Literature

Faculty of Medicine and Pharmacy:
Arnaud, G., Clinical Infectious Diseases
Barrie, C., Surgery
Bezes, General Surgery
Bonnet, Ophthalmology
Boucherle, A., Chemistry and Toxicology
Cabanac, J., External Pathology
Cabanel, Hydrology
Calas, Anatomy
Carraz, G., Natural History
Cau, Legal Medicine
Coeur, A., Chemical Pharmacy
Contamin, A.-R., Gynæcology
Debelmas, Mme, Pharmacy and Medical Materials
Dugeois, Dermatology and Syphilography
Fabiani, Bacteriology
Fau, R., Neuro-psychiatry
Joyeux, Morbid Anatomy
Ledru, J., Clinical Medicine
Lemarchands, Physiology
Mazare, General Medicine
Mouriquand, Histology
Peri, Stomatology
Piaget, Oto-Rhino-Laryngology
Reboud, P., Obstetrics
Rinaldi, R., Physical Medicine
Roget, J., Pædiatrics
Seigneurin, Bacteriology and Hygiene
Vignais, Medical Biochemsitry

Affiliated Institutes and Schools:

Institut d'Etudes Commerciales.
Director: C. Giverdon.

Institut Economique et Juridique de l'Energie.
Director: G. de Bernis.

Institut d'Etudes Politiques.
Director: J. L. QUERMONNE.

Institut d'Etudes Sociales.
Director: G. DE BERNIS.

Institut de Préparation à l'Administration Scolaire et Universitaire.
Director: M. ROBERT.

Ecole Nationale Supérieure d'Electrotechnique, d'Hydraulique, de Radioélectricité et de Mathématiques Appliquées (part of the Institut Polytechnique de Grenoble): 44-46 avenue Félix-Viallet.
Director: L. NÉEL.

Ecole Française de Papeterie (part of the Institut Polytechnique de Grenoble): 44-46 avenue Félix-Viallet.
Director: M. CHENE.

Ecole National Supérieure d'Electrochimie et d'Electrométallurgie.
Director: G. BESSON.

Ecole d'Ingenieurs Electroniciens.
Director: J. BENOIT.

Institut de la Promotion Supérieure du Travail.
Director: ARNAUD.

Ecole d'été de Physique Théorique des Houches.
Director: Mme DE WITT.

Centre Pédagogique Régional de l'Académie de Grenoble.
Director: BENOIT.

Collège Scientifique Universitaire de Chambéry.
Director: M. GIDON.

Collège Littéraire Universitaire de Chambéry.
Director: M. DURAND.

Institut des Isotopes Radioactifs.
Director: R. RINALDI.

UNIVERSITÉ DE LILLE

29 RUE DES JARDINS, LILLE

Telephone: 55-16-11.

Founded 1562.

Rector: G. DEBEYRE.
Vice-President: A. LESPAGNOL.
Secretary: M. POMMEROLLE.
Librarian: Mlle A. BRUCHET.

Number of teachers: 480, including 287 professors.

Number of students: 16,290.

Publications: *Annales, Livret, Travaux et Mémoires—Droit-Lettres, Sciences—Médecine, Revue du Nord, Revue des Sciences Humaines, Echo Médical du Nord, Lille Chirurgical, Bulletin de la Société Botanique du Nord.*

DEANS:

Faculty of Jurisprudence: G. DEHOVE.
Faculty of Medicine and Pharmacy: M. WAREMBOURG.
Faculty of Science: M. PARREAU.
Faculty of Letters: P. REBOUL.

PROFESSORS:

Faculty of Jurisprudence:
BAUCHET, P., Political Economy
BONGERT, Mlle Y., History of Roman Law
CAPET, M., Political Economy
CHRÉTIEN, M., Constitutional Law and Financial Legislation
DEHOVE, G., Political Economy
DRAGO, R., Administrative Law
DURRY, G., Private Law
FREYRIA, C., Labour Law
GIRAUD, E., Constitutional Law
LECAILLON, J., Political Economy
LEGENDRE, P., Roman Law
LEMASURIER, Mlle J., Public Law
LE ROY, F., International Public Law
PATARIN, J., Civil Law
PERRIN, B., Roman Law and History of Law
PREVOST, M., History of Private Law
STARCK, B., Civil Law
VASSEUR, M., Commercial Law
VERDIER, J., Civil Law
VIARD, P. E., History, Roman Law

Faculty of Medicine and Pharmacy:
AUGUSTE, Ch., Internal and Experimental Pathology and Clinic for Digestive Diseases
BALATRE, P., Galenic Pharmacy
BAR, Mlle, Organic Chemistry
BEDRINE, Childbirth
BERTRAND, J., Mineral Chemistry
BEZANGER, Mme, Medical Materials
BIGUET, Zoology and Parisitology
BIZARD, G., Applied Physiology
BIZERTE, G., Biochemistry
BOULANBER, P., Biochemistry
CARLIER, G., Stomatology
CHRISTIAENS, L., Pediatrics
CLAY, A., Pathological Anatomy
DECOULX, P., Traumatology
DEHAY, C., Botany
DRIESSENS, J., Pathological Anatomy
FONTAN, Therapeutic Hydrology and Climatology
FRANÇOIS, Clinical Ophthalmology
GELLE, P., Obstetrics and Child Hygiene
GERNEZ, C., Hygiene and Bacteriology
GERVOIS, M., Hygiene
HURIEZ, C., Cutaneous and Venereal Diseases
INGELRANS, C., Clinical Child Surgery
LAINE, Technique of Surgery
LESPAGNOL, P., Chemical Pharmacy
LINQUETTE, Therapeutics
MARCHAND, M., Industrial Medicine
MASSE, Physics and Pharmaceutics
MERVILLE, R., Toxicology
MINNE, J., Anatomy
MOREL, J., Histology
MULLER, M., Forensic and Social Medicine
NAYRAC, P., Clinical Neurology and Psychiatry
OSTEUZ, R., Pharmaceutical Bio-chemistry
PALLIEZ, R., Obstetrics
PIQUET, J., External Pathology and Oto-Rhino-Laryngology
RAZEMON, P., Clinical Surgery
SWYNGEDAUW, J., Electro-Radiology
TAQUET, Pre-Medical Studies
VANDECASTEELE, External Pathology
VANLERENBERGHE, Physiology
VERHAEGHE, A., Rheumatology
VERHAEGHE, M., Surgery
VERGOZ, Surgery
VOISIN, Hygiene
WENEAU, Urology

Faculty of Science:
BACCHUS, P., Astronomy
BONNEMAN-BÉMIA, P., Chemistry and Industrial Psycho-Chemistry
BONTE, A., Applied Geology
BOUISSET, S., Animal Physiology
CORSIN, P., Paleo-Botany
DECUYPER, M., General Mathematics
DEFRETIN, R., Zoology
DEHORS, R., Industrial Physics
DELATTRE, C., Geology
DESCOMBES, R., Differential and Integral Calculus
GABILLARD, R., Radio-Electricity and Electronics
GERMAIN, JEAN, General and Organic Chemistry
GLAZET, Z., Chemistry
GONTIER, G., Fluid Mechanics
HEIM DE BALSAC, H., Zoology
HEUBEL, J., Chemistry
HOCQUETTE, M., General and Applied Botany
KAMPE DE FERIET, J., Fluid Mechanics
LE BÈGUE, A., Agricultural Chemistry
LEBRUN, A., Radio-Electricity and Electronics
LEFEBVRE, Applied Chemistry and Chemistry of Coal
LUCQUIN, Mlle, Chemistry
MARION, Mlle E., Chemistry
MARQUET, Mlle S., Mathematics
MARTINOT-LARGARDE, A., Fluid Mechanics
MENNESSIER, G., Geology
MONTREUIL, J., Biological Chemistry
PARREAU, M., Mathematics
PEREZ, J.-P., Physics
POITOU, G., Higher Algebra
ROUELLE, E., Industrial Physics and Electricity
SAVARD, J., Chemistry
SCHALLER, F., Zoology
TILLIEU, J., Physics
TRIDOT, G., Applied Chemistry
VIVIER, G., Zoology
WATERLOT, G., Mining Geology
WERTHEIMER, R., Physics

Faculty of Letters:
AXELRAD, J., English Literature of the Renaissance and the 17th Century
BEAUJEU, J., Latin
BELAVAL, Y., Philosophy
BERTAUX, P., German Language and Literature
CROUZET, F., Contemporary History
DEFRADAS, J., Greek Language and Literature
FLATRES, P., Geography
FRECHET, R., Modern and Contemporary English Language and Literature
LEFEVRE, R., Philosophy
MOREAU, J.-P., Geography
MORET, German Language and Literature
PINCHEMEL, P., Geography
REBOUL, French Language and Literature of the 18th Century
ROBICHEZ, P., French
ROUSSEL, H., French Language and Literature of the Middle Ages
SCHIMDT, A.-M., Renaissance French Language and Literature
TRENARD, L., Modern History
VERCOUTTER, Ancient History
VOISINE, J., Comparative Literature
WEIL, E., Philosophy
WEISBEIN, N., Language and Literature of the Slav Peoples
WILL, E., Greek Language and Civilisation

UNIVERSITÉ DE LYON

30 RUE CAVENNE, LYON 7

Telephone: 72-54-53.

Founded 1809.

Rector: P. LOUIS.
Secretary: M. THIBAULT.

Number of teaching staff: 1,030, including 185 professors.

Number of students: 13,350 men, 8,930 women, total 22,280.

Publications: *Annales de l'Université de Lyon, Livret de l'Etudiant, Bulletin d'Histologie, Bibliothèques de la Faculté des Lettres, Cahiers d'Histoire, Etudes Rhodaniennes, Revue de Géographie de Lyon, Travaux de Laboratoire de Géologie, Bulletin de l'Association Française d'Observateurs d'Etoiles Variables, Cours Annuels de l'Institut de Mathématiques et de Sciences Financières, Lyon Médical, Lyon Chirurgical.*

DEANS:

Faculty of Law: R. NERSON.
Faculty of Medicine: J. F. CIER.
Faculty of Science: J. BRACONNIER.
Faculty of Letters: J. G. RITZ.

PROFESSORS:

Faculty of Law:
BOURDONCLE, Public Law
BRUN, Labour and Social Security Law
CADART, Constitutional Law
CHAVANNE, Civil Law
DIDIER, Private Law
FALLETTI, History of Public and Private Law
GARAGNON, Public Law
GRAWITZ, Public Law
GUIHO, Civil Law
GUILLIEN, Public Law
LAMBERT, Comparative Law
LAPRAT, Roman Law
LEGIER, Roman Law and History of Law
MONTEIL, Political Economy
NEME, Political Economy
MURAT, Political Economy
NERSON, Civil Law
PELLOUX, Public Law
PONSARD, Political Economy
ROBERT, Private Law
TREVOUX, Political Economy
VINCENT, Commercial Law

Faculty of Medicine and Pharmacy
BADINAND, Pharmaceutical Chemistry
BANSSILLON, Obstetrics
BERGER, Nuclear Physics applied to Medicine
BERNHEIM, Clinical Child Medicine and Hygiene
BERTOYE, Bacteriology
BERTRAND, Surgical Propædentics
BOURRET, Industrial Medicine
BRUN, Clinical Phthisiology
CHAMBON, Organic Chemistry and Toxicology
CHATONNET, Physiology
CIBERT, Clinical Urology
CIER, A., Pharmacy and Pharmacology
CIER, J. F., Physiology
COLLET, Pharmacy
COUDERT, Parasitology and Tropical Diseases
CREYSSEL, Clinical Traumatology and Limbs
CROIZAT, Clinical Medicine
DARGENT, Cancer Research
DECHAUME, Clinical Neurology and Psychiatry
DESPIERRES, General Medicine
DORCHE, Pharmaceutical Technology
DREVON, Chemical Pharmacy and Pharmacology
DUMONT, Histology and Embryology
ENSELME, Biological and Medical Chemistry
FAUCON, Medical Biology and Pharmacodynamics
FEROLDI, Pathological Anatomy
FREIDEL, Clinical Stomatology
FROMENT, Prevention of Cardio-Vascular Diseases
GALY, Psycho-Pathology
GARIN, Epidemical Medicine and Parasitology
GIRARD, M., Therapeutics
GIRARD, P., General and Experimental Pathology
GOINARD, Surgery
GONIN, Therapeutics
GUICHARD, Pathological Anatomy
GUILLEMINET, Orthopædic and Clinical Surgery for Children
GUINET, Clinical Endocrinology
JEUNE, Infectious Diseases
JOURDAN, Medical Biology and Pharmaco-dynamics
LACROIX, Tropical Diseases
LATARJET, Anatomy
LECUIRE, Neuro-Surgery
LEVRAT, Clinical Medicine
LIARAS, Surgery
MALLET-GUY, Clinical Surgery
MANSUY, Neuro-Surgery
MARION, J., Orthopædics and Clinical Surgery
MATHIEU, Clinical Gynæcology
MICHAUD, Clinical Heart Surgery
MONNET, Bacteriology
MORET, Physics
MOUNIER-KUHN, Clinical Oto-Rhino-Laryngology and Audio-Phonology
NETIEN, Botany and Cryptogamy
ODDOUX, Botany
PAPILLON, Radiology
PAUFIQUE, Clinical Ophthalmology
PAUPERT-RAVAULT, Clinical Medicine
PERRIN, Therapeutic Surgery
PERROT, Organic Chemistry and Toxicology
PEYCELON, Surgical Pathology
PIGEAUD, Clinical Obstetrics
PONT, General Medicine
PONTHUS, Biophysics
REVOL, Galenic Pharmacy and Materia Medica
ROCHE, Forensic Medicine and Deontology
ROMAN, Parasitology
SARROUY, Pediatrics
SOHIER, Hygiene and Public Sanitation
SOLLIERS, DE, Analytic Chemistry
THIERS, Clinical Dermato-Syphilography and Allergology
TOLOT, Labour Medicine
TRILLAT, Orthopædic Clinical Surgery
VACHON, Medical Pathology
WERTHEIMER, Clinical Surgery

Faculty of Science:
ASCH, Physics
AUMÉRAS, Chemistry
BERGEON, Physics
BERNARD, Industrial Physics
BOIDIN, Botany
BOUTILLIER, Mineralogy
BRACONNIER, Mathematics
CHANEL, Psycho-physiology
CHENEVOY, Geology
CHERY, Nuclear Physics
CHOPIN, Biochemistry
COHEN-ADAD, Chemistry
COLONGE, Chemistry
COURTY, Physio-Chemistry
CUEILLERON, Chemistry
DAVID, Geology
DEPRAZ, Nuclear Physics
DOUIN, Botany
DREUX, Chemistry
DUCET, Plant Biology
DUFAY, Astronomy and Director of the Observatory
DUFAY, M., Atmospheric Physics
EYRAUD, C., Chemical Engineering and Technology
FERON, Mathematics
FLANDRIN, Applied Geology
FRAISSE, Mathematics
GAUME, Physics
GAUTHERON, Biochemistry
GAUTHIER, H., Geology
GAUTHIER, J., Chemistry
GEVIN, Geology
GINET, Zoology
GRANDMONTAGNE, Physics
d'INCAN, Physics
JAFFARD, Mathematics
JANIN, Experimental Physics
KÜHNER, Botany
LAFORGUE, Physics
LAFOUCRIÈRE, Theoretical Nuclear Physics
LEFEBVRE, Mathematics
LEGAY, Zoology
LONGCHAMBON, Mineralogy
MAITROT, Physics
MALÉCOT, Rational and Applied Mechanics
MAURY, Mathematical Methods in Physics
MERLIN, Chemistry
MESNARD, Electronics
MICHEL, Mineralogy
NIGON, Experimental Zoology
PAVANS DE CECCATTY, Zoology
PARIS, Chemistry
PERES, Physiology
PERNET, Mathematics
PHILBERT, Nuclear Physics
PONASSE, Mathematics
PRETTRE, Industrial Chemistry
SARAZIN, Nuclear Physics
TEICHNER, Chemistry
UZAN, Physics
WAUTIER, Animal Biology

Faculty of Letters:
ANSTEDT, German Language and Literature
ARNALDEZ, Moslem Philosophy and Civilisation
BARRÈRE, French Literature
BON, Byzantine History and Civilisation
BRÜHL, National Antiquities
BRUNEAU, Comparative Literature
COUTON, French Literature
DAUMAS, Egyptology
DEMERSON, Spanish Language and Literature
DESHAYES, Archæology
DUPUY, Moral Philosophy and Pedagogy
FUGIER, Contemporary History
GASCON, Local History
GOUDET, Italian Language and Literature
HUSSON, Sociology
LATREILLE, Modern History
LAFERRÈRE, Geography
LEBEAU, Geography
LE LANNOU, Regional Geography
LÉON, Economic History
MAUZI, French Literature
METZGER, History of Ancient Art
MICHEA, Ethnology
PACAUT, History of the Middle Ages
PELLETIER, Geography
POUILLOUX, Greek Philology
RAMBAUD, Latin Language and Literature
RITZ, Contemporary English Literature
RODDIER, Comparative Literature
RODIS-LEWIS, Mme, History of Philosophy
ROUX, Greek Language and Literature
SANINE, Mlle, Russian Language and Literature
TERNOIS, History of Medieval and Modern Art
THOMAS, Latin and the History of the Latin Language
VIAL, French Literature

UNIVERSITÉ DE MONTPELLIER

2 RUE DU FAUBOURG-SAINT-JAUMES, MONTPELLIER (HÉRAULT)

Telephone: 72-49-00.

Founded 1180; reconstituted 1289.

Rector: G. Richard.

Secretary: H. Huc.

Number of teachers: 182 professors.

Number of students: 5,693 men, 3,928 women, total 9,621.

Deans:

Faculty of Law: G. Péquignot.
Faculty of Medicine: J. Turchini.
Faculty of Sciences: B. Charles.
Faculty of Letters: P. Jourda.
Faculty of Pharmacy: J. Giroux.

Professors:

Faculty of Law:

Aussel, J. M., Civil Law
Badouin, R., Economic History and Demography
Becqué, J., Civil Law
Cabrillac, H., Commercial Law
Cabrillac, M., Civil Law
Castagne, A., International Institutions
Catala, P., Private Law
Colomer, Private Law
Coste-Floret, P., Civil Law
Delbez, L., International Public Law
Desmouliez, G., Constitutional Law
Donnier, M., Private Law
Garrisson, F., Civil Procedure
Gervais, A., Political Economy
Gouron, A., Roman Law and History of Law
Légal, A., Criminal Law
Maury, R., Political Economy
Milhau, J., Political Economy
Péquignot, G., Public Law
Tisset, P., History of Law

Faculty of Medicine:

Balmes, A., Pathology and Propædeutics of Clinical Medicine
Barjon, P., General Medicine
Bénézech, C., Biological Chemistry and Physio-Chemistry
Bert, J.-M., Hydropathy and Climatology
Bertrand, L., Medical Pathology and Clinical Physio-Pathology
Bétoulières, P., Electro-Radiology
Boucomont, J., Hygiene
Bouyard, P., Pharmacology
Caderas De Kerleau, J., Obstetrics
Cadilhac, J., Experimental Pathology
Cazal, P., Hæmatology and Pathological Anatomy
Chaptal, J., Children's Diseases and Child Hygiene
Chardon, G., Biology
Crastes de Paulet, A., Medical Chemistry
Cristol, P., Medical Biochemistry and Toxicology
Durand, Gynæcology
Fourcade, J., Forensic and Social Medicine
Franchebios, Climatology
Gros, C., Clinical Neursourgery
Guerrier, Y., Oto-Rhino-Laryngology
Harant, H., Medical Natural History and Parasitology
Hédon, L., Physiology
Janbon, M., Therapeutics and Infectious Diseases
Jean, R., Pediatrics
Joyeux, R., Surgery
Labauge, R., Neurology and Psychiatry
Lafon, R., Nervous and Mental Diseases
Lamarque, P., Electro-Radiology
Lapeyre, N., Surgery
Lapeyrie, M., Child Surgery and Orthopædics
Latour, H., Cardiology
Loubatières, A., Applied Physiology
Macabies, J., Physiology
Marchal, G., Anatomy and Experimental Surgery
Mirouze, J., Metabolic and Endocrine Diseases
Monnier, P., Biochemistry
Mourgue-Molines, E., Pathology and Propædeutic Surgery
Negre, E., Thoracic Surgery
Pagès, P., Pathology and General Therapeutics
Passouant, P., Experimental Pathology
Puech, A., Clinical Medicine
Puech, P., Cardiology
Rimbaud, P., Dermatology and Syphilography
Rioux, J., Parasitology
Romieu, C., Pathology and Propædeutic Surgery
Roux, J., Microbiology and Virology
Sentein, P., Biology
Serre, H., Rheumatology
Suquet, P., Medical Physics
Truc, E., Urology
Turchini, J., Histology
Viallefont, H., Ophthalmology
Vidal, J., Tuberculosis

Faculty of Science:

Andrillat, H., Astronomy
Avias, J., Geology
Assenmacher, I., Animal Physiology
Bassompierre, A., Theoretical Physics
Bonnet, A., Cytology
Bouhet, C., Physics
Bouix, Mathematics
Bourdu, R., Plant Physiology
Caillon, P., Physics
Cauquil, Mlle Germaine, Chemistry
Chalin, C., Physics
Charles, Mathematics
Charles, Mme J., Mathematics
Chatelain, P., Mineralogy
Christol, H., Organic Chemistry
Couchet, G., Mathematics
Deloupy, C., Infra-Red Physics
Emberger, L., Botany
Euzet, L., Animal Biology
Falgairettes, J., Mineralogy
Gaufres, R., Molecular Spectroscopy
Grambast, L., Plant Morphology
Groubert, E., Applied Physics
Guastalla, H., Chemical Biology
Jacquier, R., Chemistry
Jouty, R., Physics
Kahane, E., Chemistry
Lafon, Mathematics
Lafon, Mme M., Mathematics
Lafont, R., Physics
Lamaty, G., Physical Organic Chemistry
Lefranc, Mathematics
Martineau, Mathematics
Marty, R., Neuro-Physiology
Mathias, P., Zoology and General Biology
Mattauer, M., Geology
Maurin, M., Mineral Chemistry
Moreau, J. J., Mathematics
Motte, J., Botany
Mousseron, M., Chemistry
Muraour, P., Geophysics
Pistoulet, B., Physics
Potier, A., Mineral Chemistry
Poucques, Mlle M. L. de, Botany
Proust, F., Regional Geology
Rabinovitch, Physics
Remy, J., General Geology
Roig, J.-P., Physics
Roumieu, Mathematics
Rouzard, J., Analytical Chemistry
Salvinien, J., Chemistry
Sauvage, D., Botanical Classification and Geography
Savelli, M., Solid Physics
Steiner, A., Psycho-Physiology
Sturer, Mathematics
Tourne, G., Mineral Chemistry
Tuzet, Mlle Odette, Zoology and General Biology
Vergnoux, Mlle Anne-Marie, Physics
Verner, G., Animal Biology
Vieles, P., Chemistry

Faculty of Letters:

Alboux, P., French Literature
Aquarone, J., Portuguese Language and Literature
Brunel, J., Greek Language and Literature
Buffet, Mlle G., American Literature and Civilisation
Camproux, C., Modern Philology and French
Combes, J., History of Mediterranean Civilisation
Drmougeot, Mlle E., Ancient History
Desmouliez, A., Latin
Dermigny, L., Modern and Contemporary History
Duberge, J. Sociology
Dugrand, R., Geography
Dupont, A., Medieval History and Archæology
Flecniakoska, J., Spanish Language and Literature
Forest, A., Philosophy
Gallet de Santerre, Archæology and History of Art
Galtier, G., Geography
Gros, E., Spanish
Guiter, H., Romance Language and Literature
Henry, M., Philosophy and Logic
Imbert, H., Comparative Literature
Jourda, P., French Language and Literature
Laurent, R., Modern and Contemporary History
Marres, P., Geography
Martin, Mlle Henriette, Italian Language and Literature
Metz, F., German Language and Literature
Michel, L., Dialectic
Mignot, X., Linguistics
Miniconi, P., Latin Philology
Navratil, M., Philosophy
Pellicer, A., Classical Languages
Proust, J., French Literature
Servier, J., Sociology
Vicaire, P., Greek
Vitoux, P., English Language and Literature
Weber, H., French Literature

Faculty of Pharmacy:

Bardet, L., Pharmaceutical Industrial Physics
Bessière, C., Microbiology and Zoology
Castel, P., Chemical Pharmacy
Dolique, R., Mineral Chemistry, Industrial Pharmacy
Giroux, J., Galenic Pharmacy, Pharmacodynamics
Granger, R., Pharmaceutical Organic Chemistry
Hollande, Mme Germaine, Natural Sciences
Huguet, R., Biological Chemistry
Jaulmes, P., Analytical Chemistry and Toxicology
Marignan, R., Physics
Mestres, R., Applied Pharmaceutical Chemistry
Sabon, F., General and Mineral Chemistry
Susplugas, J., Materia Medica, Botany

UNIVERSITÉ DE NANCY

13 PLACE CARNOT, NANCY
Telephone: 52-66-88.
Founded 1572.

Rector: P. IMBS.
Secretary-General: P. QUENTIN.
Librarian: M. NOUAT.
Number of teachers: 581.
Number of students: 11,149.

DEANS:

Faculty of Law: D. TALLON.
Faculty of Medicine: M. BEAU.
Faculty of Sciences: M. AUBRY.
Faculty of Letters: M. SCHNEIDER.
Faculty of Pharmacy: BERNANOSE.

PROFESSORS:

Faculty of Law:
BENTZ, Public Law
BOURCIER DE CARBON, Economic Science
CASANOVA, Economic Sciences
CHAUMONT, International Public Law
COUDERT, Roman Law
COULOMBEL, Civil Law
DURAND, Public Law
FRIEDEL, Civil Procedure
GENDARME, Political Economy
HOUSSIAUX, Economic Sciences
JAQUET, Public Law
KOVAR, Public Law
LAGARDE, Civil Law
LEVY, Public Law
MENTHON, DE, Political Economy
RAY, Roman Law
ROBLOT, Commercial Law
ROUVIER, History of Law
TALLON, Civil Law
VITU, Penal Law
VOIRIN, Civil Law

Faculty of Medicine:
ARNOULD, J., Neuro-Psychiatry
ARNOULD, P., Physiology
BEAU, Anatomy
BERTRAND, Clinical Gynæcology
BEUREY, Dermato-Syphilography
BODART, Clinical Surgery
BURG, Medical Physics
CHALNOT, Clinical Surgery
DOLLANDER, Embryology
FAIVRE, Therapeutics
FLORENTIN, Pathological Anatomy
GOSSEREZ, Stomatology
GRIMAUD, Clinical Oto-Rhino-Laryngology
HARTEMANN, J., Clinical Obstetrics
HARTEMANN, P., Medical Pathology
HELLUY, Bacteriology and Parasitology
HERBEUVAL, Pathology
HEULLY, Forensic Medicine
KISSEL, Clinical Medicine
LAMARCHE, Medical Hydrology
LAMY, Tuberculosis
LEGAIT, Histology
LEPOIRE, Neuro-Surgery
LOCHARD, Surgical Pathology
LOUYOT, Therapeutics and Pharmacology
NEIMANN, Clinical Pædiatrics
PIERQUIN, Industrial Medicine and Rehabilitation
ROUSSEL, Clinical Electro-radiology
SADOUL, Psycho-Pathological Respiration
SENAULT, Hygiene and Social Medicine
SOMMELET, General Surgery
THOMAS, Ophthalmology
WOLFF, Chemistry and Toxicology

Faculty of Sciences:
AUBRY, Mineral Chemistry
AUROUZE, Mineral Chemistry
BARRIOL, Theoretical Chemistry and Electro-Chemistry
BASTICK, Mme, Chemistry
BASTICK, Physico-Chemistry
BERNARD, Geology
BIZETTE, Physics
BOLFA, Mineralogy
BONVALET, Mechanics
CHAMPIER, Metallurgy
CHAPON, Biological Chemistry
CONDE, Zoology
COPPENS, Radio-Geology
DELSARTE, Higher Analysis
DEPAIX, Mathematics
DEVIOT, Solid Physics
DUCHAUFOUR, Pedology
DUVAL, Chemistry
EYMARD, Differential and Integral Calculus
FAIVRE, Applied Physics
FELDEN, Theoretical and Nuclear Physics
FLECHON, Physics
FRENTZ, Animal Biology
FRUHLING, Physics
GARNIER, Agronomy
GAY, Biological Chemistry
GAYET, Physiology
GIBERT, Chemical Engineering
GOSSE, Chemistry
GUDEFIN, Physics
GUILLIEN, Physics and Electronics
HADNI, Physics
HEROLD, Industrial Chemistry
HERVÉ, Mme, Differential and Integral Calculus
HILLY, Geology
HORN, Physics
HUET, Mlle, Propædeutic Mathematics
KERN, Mineralogy
LAFON, Physics
LE GOFF, Chemistry
LEGRAS, Rational Mechanics
LEVISALLES, Organic Chemistry
MAINARD, Propædeutic Physics
MALAPRADE, Chemistry
MANGENOT, Phytopathology
MARI, Chemistry
NEEL, Industrial Organic Chemistry
NICLAUSE, General Chemistry
OVAERT, Mathematics
REGNIER, Physio-Chemistry
ROCCI, Geology
ROUBAULT, Geology
SCHWARTZ, Mining Exploitation
STEPHAN, Zoology
URION, Biological Chemistry
VEILLET, Animal Biology
VIGNES, Metallurgy
WEPPE, Applied Mineralogy
WERNER, Botany
(Vacant—Mathematical Method in Physics, Botany)

Faculty of Letters:
AULOTTE, French Literature of the Middle Ages and the Renaissance
BALAFAEFF, Slavonic Languages and Literature
BARRAL, Modern and Contemporary History
BOURQUIN, English Language and Literature
BRIXHE, Classical Philology
CHAURAND, French Stylistics
CHARNEUX, Greek Language and Literature
CONTAMINE, Medieval History
DANCHIN, English Language and Literature
DERATHÉ, Philosophy
DEVEZE, Modern History
FOSSIER, History of the Middle Ages
GALLIOT, French Language and Literature
GENESTET DE PLANHOL, Geography
GINOUVES, Archæology and Art History
HABY, Geography
JEUNE, Comparative Literature
JODELET, Psychology
LANLY, French Philology
LESNE, Sociology
LEVAILLANT, French Language and Literature
MAIER, Mlle, Italian Language and Literature
MARKIEWICZ, Polish Language and Literature
MITTERAND, French Literature
MOUROT, French Language and Literature
NAÏS, French Grammar and Philology
PHILLIPP, Mlle, German Language and Literature
ROGNON, Geography
ROOS, German Language and Literature
RUCH, Latin Language and Literature
RUYER, Philosophy
SCHNEIDER, A., German Language and Literature
SCHNEIDER, J., Medieval History
SNYDERS, Psychology
SUBIRATS, Spanish Language and Literature
TAVENEAUX, History of Eastern France
TEYSSEDRE, History of Modern Art
VALLIN, Philosophy
VERSINI, French Literature
WEIL, Semitic Languages
WILL, Ancient History
ZUBER, French Literature
(Vacant—Romance Languages and Literatures, Latin Language and Literature)

Faculty of Pharmacy:
BENE, Natural Science
BERNANOSE, Physics
BESSON, Mlle, Pharmacodynamics
BLOCH, Toxicology
FRANÇOIS, Mlle, Materia Medica
FRANQUET, Botany
KAYSER, Chemistry
MARCHAL, Microbiology
MARTIN, Mineral Chemistry
MEUNIER, Galenic Pharmacy
MIRJOLET, Analytical Chemistry
PELT, Medical Science
PIERREFITTE, Biological Chemistry
SOLEIL, Pharmaceutical Chemistry
STEIMETZ, Natural Sciences

AFFILIATED INSTITUTES:

Centre Européen Universitaire: 3 place Stanislas, Nancy; f. 1950; Depts. of economics, political science, law, civilisation; international staff of teachers; Pres. P. IMBS; Dir. DE MENTHON.

Centre Universitaire de Coopération Economique et Sociale: parc de Saurupt, Nancy; Pres. P. IMBS; Dir. M. SCHWARTZ.

Ecole Nationale Supérieure de la Métallurgie et de l'Industrie des Mines: rue de Saurupt, Nancy; Dir. SCHWARTZ.

Ecole Nationale Supérieure de Géologie Appliquée et de Prospection Minière: 94 avenue de Lattre de Tassigny, Nancy; Dir. M. ROUBAULT.

Ecole Nationale Supérieure des Industries Chimiques: 1 rue Grandville, Nancy; Dir. M. BASTICK.

Ecole Nationale Supérieure d'Electricité et de Mécanique: 2 rue de la Citadelle, Nancy; Dir. M. GUILLIEN.

Ecole Nationale Supérieure d'Agronomie: 30 *bis* rue Sainte Catherine, Nancy; Dir. M. VEILLET.

Ecole Supérieure de Brasserie: 1 rue Grandville, Nancy; Dir. M. URION.

Ecole de Laiterie: 28 *bis* rue Sainte Catherine, Nancy; Dir. M. VEILLET.

Institut des Sciences de l'Ingénieur: parc Robert Bentz, Vandoeuvre; Dir. M. BONVALET.

UNIVERSITÉ DE NANTES

38 BOULEVARD MICHELET, NANTES

Founded 1962.

Rector: M. SCHMITT.
Secretary-General: M. PRUJA.
Librarian: Mme GALKOWSKI.

DEANS:

Faculty of Medicine and Pharmacy: Y. BOQUIEN.
Faculty of Science: G. BRILLOUET.
Faculty of Arts: J. BOMDAIRE.

PROFESSORS:

Faculty of Medicine and Pharmacy:
BOQUIEN, Y., Clinical Medicine
BUREAU, R., Orthopædics and Children's Surgery
BUREAU, Y., Clinical Dermatology
DELAIRE, J., Clinical Stomatology
FOUCHAUD, A., Botany
GIROIRE, H., Clinical Neurology
GRISLAIN, J.-R., Children's Medicine
GUILLON, J., Medical Pathology
HOREAU, J., Clinical Medicine
KERNEIS, J.-P., Pathological Anatomy
LEGRAND, J., Clinical Ophthalmology
LOUSSOUARN, E. P., Pharmaceutical Chemistry
MALVY, P., Surgical Pathology
MIRALLIE, C., Clinical Traumatology
MONNET, R., Materia Medica and Pharmacy
MOUSSEAU, M., Clinical Surgery
NEDELEC, M., Clinical Urology
PERRIN, P., Social and Industrial Medicine
PLOQUIN, J., Chemical Pharmacy
STEPHAN, Y., Pharmacodynamics and Biological Chemistry
TUSQUES, J., Histology and Embryology
VERMEIL, C., Parasitology and Exotic Pathology
VERAN, P., Therapeutics
VIOLETTE, F., Physiology

Faculty of Science:
AVIGNON, P., Physics
BOULLOUD, A., Physics
BRILLOUET, G., Mathematics
COLLET, L.-H., Physics
DEBRAUX, Mlle G., Biology
DUNOYER, J.-M., Chemistry
GARRIGUES, R., Biology
GOURINARD, Y., Geology
GRAFF, Y., Chemistry
LERMUSIAUX, A., Physics
MEZENCEV, R., Physics
OTTMANN, F., Geology
PAUC, C., Mathematics
PETRESCU, J., Mathematics
PIERI, J., Biology
PIRONNEAU, Y., Mechanics
RAFFIN, Mathematics
RAVILLY, E., Mechanics
SELLIER, R., Biology
VAUGIEN, L., Biology
VIVIER, M., Mathematics

Faculty of Arts:
BAS, English Language and Literature
BOIS, P., Modern and Contemporary History
BOMPAIRE, Greek Language and Literature
BOUILLIER, H., French Literature
DESANGES, J., Ancient History
DUMONCEAUX, French
GRANGE, German Language and Literature
GRAS, J., Geography
HOLTZ, L., Latin
JERECZEK, Spanish Language and Literature
LEBLANC, Mlle P., French Literature
MAS, A., Spanish Language and Literature
NORDON, English
RICHARD, Psychology
RUSSIER, Mlle J., Philosophy
TOUCHARD, Medieval History

SCHOOLS AND COLLEGES OF THE UNIVERSITY:

Ecole Nationale de Médecine et de Pharmacie d'Angers: Dir. M. ROUCHY.

Collège Scientifique Universitaire d'Angers: f. 1958; Dir. J.-M. DUNOYER.

Ecole Nationale Supérieure de Mécanique de Nantes: Dir. Y. PIRONNEAU.

UNIVERSITÉ DE NICE

NICE

Founded 1965.

Rector: M. DAVRIL.

PROFESSORS:

Faculty of Law and Economic Sciences:
AUBENAS, History of Law
CABY, Commercial Law
DERRIDA, Civil Law
DISCHAMPS, Political Economy
DUPUY, Public Law
FONTENEAU, Political Economy
FOURGEAUD, Political Economy
GUIHENEUF, Political Economy
TROTABAS, Public Law
WEIL, Administrative Law

Collège Littéraire Universitaire de Nice.
Director: Prof. RUFF.

UNIVERSITÉ D'ORLÉANS

21 RUE SAINT-ETIENNE, ORLEANS

Founded 1962.

Rector: M. ANTOINE.
Secretary: M. DE VILLE D'AVRAY.
Librarian: Mlle PASQUET.

The Academy maintains the following institutes:

Collège Scientifique Universitaire d'Orléans: Château de la Source, par Olivet (Loiret); Tel. 87-49-01; f. 1960.

Director: M. F. TATIBOUËT.
Secretary: M. BADIN.

PROFESSORS:

AVEZ, Mathematics
CABANNES, Physics
COMBOURIEU, Chemistry
DELAVAULT, Animal Biology
DURAND, Botany
GIGOUT, Geology
GUILBERT, Physics
PLAN, Physics
TAUREL, Mlle, Physics
TATIBOUET, Chemistry
VUILLARD, Chemistry

Collège Scientifique Universitaire de Tours: 2 *bis* boulevard Tonnellé, Tours; Tel. 53-08-22; f. 1958.

Director: R. THOMASSIN.
Secretary: J. AUGUSTIN-LUCILE.
Librarian: Mlle BALLON.

PROFESSORS:

CHAILLOU, Mathematics
DUPERON, Vegetable Biology
DURAND, Chemistry
GILLET, Physics
LABEYRIE, Animal Biology
JACQUESSON, Physics
MARSIGNY, Chemistry
MONCUIT, Physics

Faculté Mixte de Médecine et de Pharmacie: 2 *bis* boulevard Tonnellé, Tours; Tel. 53-15-96.

Director: M. ARON.
Secretary: M. GANNIER.

PROFESSORS:

ARDOUIN, Clinical Oto-Rhino-Laryngology
ARON, Physiology (*Dean*)
BARRE, Pharmaceutical Chemistry
BONNIN, Histology
BOULARD, Hygiene and Hydrology
COMBESCOT, Zoology and Parasitology
CROUZAT-REYNES, Pharmaceutical Physics
DESBUQUOIS, Medical Pathology and Clinical Child Medicine
DURAND, Deontology and History of Pharmacy
FROMENTY, Forensic and Social Medicine
GARESTIER, Natural History
GOUAZE, Anatomy
HUSSENSTEIN, Surgical Pathology and Clinical Child Surgery
LARMANDE, Ophthalmology
LIEFFRING, Surgical Technique
RICHARD, Clinical Obstetrics and Gynæcology
ROUZAUD, Medical Pathology
THOUVENOT, Physiology
VACHER, Legal Medicine
VANDOOREN, Surgery
VIALARD-GOUDOU, Galenic Pharmacy
VIALLE, Surgical Pathology
WEILL, Medical Biology

College Littéraire Universitaire de Tours: 1 rue de la Grandière, Tours; Tel. 53-56-13; f. 1961.

Director: M. ROGER.
Secretary: M. MIARA.
Librarian: Mlle MALLET.

PROFESSORS:

BERTHELEMY, Latin
BIZET, J. A., German
CAMPAN, J., Italian
FENELON, P., Geography
LOUIS, French
MESNARD, P., Philosophy
SIMONDON, G., Philosophy

Centre d'Etudes Supérieures de la Renaissance de Tours: 59 rue Néricault-Destouches, Tours; Tel. 53-71-86; f. 1956.

Director: P. MESNARD.
Secretary: Mme BERLOQUIN.
Librarian: Mme VIGIER.

PROFESSORS:

BUFO, G.
MARGOLIN, J.-C.
MESNARD, P.

UNIVERSITÉ DE PARIS À LA SORBONNE

47 RUE DES ECOLES, PARIS 5e
Telephone: 033-24-13.

Founded 1253 by Robert de Sorbon, Chaplain to the King.

Rector: J. ROCHE.
Vice-Presidents: M. ZAMANSKY, M. DURRY.
General Secretary: P. BARTOLI.
Chief Librarian: M. PIQUARD.

Number of teaching staff: 4,455.

Number of students: 51,909 men, 35,532 women, total 87,441.

Publications: *Annales de l'Université de Paris, Livret de L'Etudiant.*

DEANS:

Faculty of Law: G. VEDEL.
Faculty of Medicine: G.-J. CORDIER.
Faculty of Sciences: M. ZAMANSKY.
Faculty of Sciences (Orsay): J. BERGERARD.
Faculty of Letters: M. DURRY.
Faculty of Letters (Nanterre): P. GRAPPIN.
Faculty of Pharmacy: G. VALETTE.
Bureau des Renseignements, Cours d'Extension Universitaire: Dir. G. MATORÉ.

PROFESSORS:

Faculty of Law and Economics:
BARRÈRE, A., History of Economic Thought
BARTOLI, H., Economic Systems and Structures
BASTID, P., Constitutional Law
BASTID, Mme S., Contemporary Political Problems
BATIFFOL, H., Philosophy and General Theory of Law
BERGER-VACHON, V., Mohammedan Law
BERLIA, Science and Technique of Money
BESNIER, R., Economic History
BESSON, A., Law of Insurance
BOUDEVILLE, J., Economic Geography
BOULANGER, J., Civil Law
BOYÉ, A., History of Civil Law in Antiquity
BROCHIER, H., Economics and Politics of Development
BUQUET, L., Planning Techniques
BURDEAU, G., Constitutional Law and Political Institutions
BYÉ, M., Economic Relations
CAMERLYNCK, G., Industrial Law
CAPITANT, R., Public Liberty
CARBONNIER, J., Juridicial Sociology
CHARLIER, R.-E., Administrative Law
CHEVALLIER, J. J., History of Political Thought
CHEVALLIER, J., Advanced Civil Law
COLLIARD, C., Methods of Political Science
DAVID, M., History of XIX Century Public Institutions
DAVID, R., Comparative Civil Law
DESBOIS, H., Commercial Law, Patents and Copyright
DUMONT, F., Roman and French Law
DUVERGER, Political Sociology
EISENMANN, C., Administrative Law
FAUVEL, L., Rural Economy
FLOUR, J., Civil Law
GAUDEMET, Juridicial Sociology
GOLDMAN, Social Security
GUILBAUD, G.-TH., Mathematics
GUITTON, H., Statistics
HAURIOU, A., Foreign Constitutional Law
HÉMARD, J., Commercial Law
HOUIN, R., Commercial Law
IMBERT, History of Penal Law
JAMES, E., Economic Theory
JEANNENEY, J. M., Economics of Finance
JUGLART, M. DE, Penal Law
LAGARDE, G., Commercial Law
LAMPUÉ, P., Public Law of Overseas Territories
LASSÈGUE, P., Business Expansion and Accountancy
LASSERRE, G., Business Economy
LAUBADÈRE, DE, Public Service Law
LE BALLE, R., Civil Law
LEDUC, G., Economy and Development of Overseas Territories
LEMARIGNIER, J.-F., History of Public Institutions since the Revolution
LEVASSEUR, G., Civil and Advanced Criminal Law
LEVY, J.-P., History of Private Law
LHOMME, J., Economic and Social History since the XVIII Century
LUCHAIRE, F., Constitutional Law
LYON-CAEN, Criminal Law
MAGDELAIN, A., History of Political and Administrative Institutions
MARCHAL, A., Political Economy
MARCHAL, J., Political Economy
MARCZEWSKI, Economic Research
MATHIOT, A., Principles of Public Law
MAZEAUD, H., Civil Law
MAZEAUD, L., Commercial Law
PERROT, R., Registration
PHILIP, A., Political and Social Economy
PIETTRE, A., Modern Political Economy
PINTO, R., Terminology of Public Law and Political Science
PRÉLOT, M., Political Science
RAYNAUD, P., Advanced Civil Law
REUTER, P., International Organisation
RIVERO, J., Public Liberty
RODIÈRE, R.-H., Transport Law
ROUSSEAU, C., International Public Law
SAINT ALARY, Constitutional Law
SOTO, DE, History of Political Ideas
STARCK, B., Civil Procedure
STÉFANI, G., Penal Procedure
TABATONI, R., Political Economy
TEITGEN, P.-H., Politico-Scientific Method
TIMBAL, P., History of Civil Law
TUNC, Comparative Civil Law
VEDEL, G., Law of Minerals and Energy
VILLERS, R., History of Political Institutions
VILLEY, D., History of Legal Philosophy
VOUIN, R., General Penal Law and Procedure
WALINE, M., Administrative Law
WEILLER, J., International Economic Relations

Faculty of Medicine:
AUBRY, M., Oto-Rhino-Laryngology
BARGETON, D., Physiology
BARIÉTY, M., Psychiatry
BAUMANN, J., Tuberculosis
BERNARD, E., Experimental Pathology
BERNARD, J., Hydrology
BOUDIN, G., Medicine
BOUR, H., Medicine
BOURLIÈRE, F., Hygiene
BOYER, J., Medicine
BROUET, G., Therapeutics
BRUMPT, I. C., Parasitology
CASTAIGNE, Neurology
CAUCHOIX, J., Surgery
CHEYMOL, J., Pharmacology and Medical Materials
CONTE, M., Therapeutics
CORDIER, G.-J., Anatomy
COSTE, F., Rheumatology
COUVELAIRE, R., Pathology
DEBRAY, C., Therapeutic Hydro-climatology and Gynæcology
DECHAUME, M., Stomatology
DECOURT, J., Pathology
DEGOS, R., Skin and Venereal Diseases
DELARUE, J., Physiology
DELAY, J., Anatomy
DELMAS, A., Mental Diseases
DEPARIS, M., Carcinology
DEROBERT, L., Hygiene and Preventive Medicine
DEROT, M., Forensic Medicine
DESGREZ, H., Diabetics and Nutritional Diseases
DESGREZ, P., Radiology
DESOILLE, H., Biochemistry
DJOURNO, A., Ophthamology
DOGNON, A., Electrophysiology
DOMART, A., Medical Physics
DREYFUS, G., Semeiology
FASQUELLE, R., Pathology
FAUVERT, R., Bacteriology
FÈVRE, M., Surgery
GARCIN, R., Pathology and Therapeutics
GIROUD, A., Embryology
GERMAIN, A., Surgery
GOSSET, J., Surgery
GOUGEROT, L., Medical Physics
HAMBURGER, J., Clinics of Metabolic Illnesses
HAUDUROY, P., Bacteriology
HUGUIER, J., Surgery
JAYLE, M.-F., Medical Biochemistry
JOANNON, P., Hygiene and Preventive Medicine
JUSTIN-BESANÇON, L., Medicine
KELLERSHOHN, L., Medical Physics
KOURILSKY, R., Medicine
LACOMME, M., Obstetrics
LAMY, M., Genetics
LAURENCE, G., Surgery
LEGER, L., Surgery
LEMAIRE, A., Medicine
LENÈGRE, J., Pathology
LEPAGE, F., Physiology and Pathology
LEVY, Mlle J., Pharmacology
LHERMITTE, F., Obstetrics
LORTAT-JACOB, J.-L., Surgery
MARIE, J., Social Pediatrics
MATHEY, J., Thoracic Surgery
MERGER, R., Obstetrics
MERKLEN, F. P., Humoral Pathology and Experimental Immunology
MERLE d'AUBIGNE, R., Remedial and Orthopædic Surgery
MICHAUX, L., Child Psychology
MILLIEZ, P., Medical Pathology
MOLLARET, P., Infectious Diseases
OLIVIER, CL., Surgery
OLIVIER, G., Anatomy
PADOVANI, P., Traumatology
PARROT, J.-L., Physiology
PATEL, J., Pathology
PEQUIGNOT, H., Pathology
POILLEUX, F., Semiology and Chemistry
POLONOVSKI, J., Biochemistry
REDON, J., Surgical Carcinology
RENAULT, P., Pneumo-phthisiology
ROUX, M., Therapeutics
RUDLER, Surgical Pathology
SCHAPIRA, G., Biochemistry
SÈZE, S. DE, History of Medicine and Surgery
SICARD, A., Surgery
SOULIÉ, History of Medicine and Surgery
TUCHMANN-DUPLESSI, H., Embyrology
TURIAF, Pathology
TURPIN, R.-A., Hygiene and Children's Diseases
VARANGOT, J., Obstetrics

Faculties of Science at Paris and Orsay:

ABELÈS, Physics
ACHER, Biological Chemistry
AIGRAIN, General Energetics
ALLARD, Physical Chemistry
AMAT, Physics
AMIEL, Structural Organic Chemistry
ARNOULT, Electronics
ARNOUS, Theoretical Physics
ARNULF, Applied Optics
AUBOUIN, General Geology
AUGER, Quantum Physics and Relativity

BALKANSKY, Physics
BARCHEWITZ, Physical Chemistry
BARRAUD, Cellular Physiology
BAUDOIN, Animal Biology
BEAUMONT, Animal Biology
BELLAIR, Geology
BENARD, Chemistry
BENOIT, Animal Physics
BERGERARD, Zoology
BERTEIN, Electronics
BERTHELOT, Physics of Fundamental Particles
BLAMONT, Geophysics—Ionosphere
BLANC-LAPIERRE, Linear Acceleration
BLAQUIÈRE, Electronics
BOK, Propædeutical Physics
BOUGIS, Marine Biology
BOUISSIÈRES, Chemistry of Radio Elements
BOULIGAND, Advanced Mathematics
BOUREAU, Paleobotany
BRELOT, Advanced Mathematics
BRICARD, Meteorology
BROCHART, Physics
BROSSEL, Atomic Physics
BROUSSE, Theoretical Mechanics
BRUHAT, Mathematics
BRUN, Fluid Mechanics
BRUNN, Historic Geology
BRUSSET, Chemistry
BUSER, Animal Biology
BUVAT, Botany

CABANNÈS, General Mechanics
CADIOT, Organic Chemistry
CAGNAC, Physics
CAGNIARD, Applied Geophysics
CAILLEUX, Geology
CAIRE, Geography, Physics and Dynamic Geology
CAMEFORT, Botany
CAMUS, Vegetable Biology
CARTAN, Mathematics
CASTAING, Thermodynamics
CAUCHOIS, Mlle, Physical Chemistry
CERF, Mathematics
CHABBAL, Physics
CHADEFAUD, Botany
CHAIX, Mme, Biological Chemistry
CHAMPETIER, Macromolecular Chemistry
CHAPELLE, Physics
CHATELET, Chemistry
CHARLOT, Analytical Chemistry
CHEVALLEY, Advanced Mathematics
CHEVAUGEON, Botany
CHOQUET, Theory of Functions and Topology
CHOQUET-BRUHAT, Mme, Celestial Mechanics
CHOUARD, Plant Physiology
CHRETIEN, Mineral Chemistry
CLAUSER, Biological Chemistry
COLLONGUES, Chemistry
COMOLET, Fluid Mechanics
CORABOEUF, Animal Physiology
COTTE, Electricity
COULOMB, Geophysics
COUSIN, Mlle, Animal and General Biology
COUTEAUX, Cytology
COUTURE, Mme, Physics
CUGNAC, DE, Vegetable Biology
CURIE, D., Physics
CURIEN, Mineralogy and Crystallography
CUVILLIER, Micropalæontology

DANJON, Astronomy
DARS, Structural and Applied Geology
DAUDEL, Wave Mechanics applied to Theoretical Chemistry and Nuclear Physics
DAVID, Chemistry
DELANGE, Mathematics
DELCROIX, Physics of Plasma
DEHEUVELS, Mathematics and Propaedeutics
DELLOUE, Physics
DENY, Mathematics
DESTOUCHES, Theoretical Physics
DEVILLERS, Comparative Anatomy and Histology
DIXMIER, Mathematics
DODE, Chemistry
DRACH, Zoology
DRACY, Marine Biology
DUBERT, Biochemistry
DUBOIS, Chemistry
DUBREIL, Mme, Mathematics
DUBREIL, Arithmetic and Numerical Theory
DUGIÉ, Mathematical Statistics
DURAND DELGA, Geology

ECHALIER, Animal Biology
EHRESMANN, Algebraic Topology
EICHHORN, Plant Biology
ELLENBERGER, Applied Geology
EPHRUSSI, Genetics
D'ESPAGNAT, Theoretical Physics
FELDMANN, Plant Biology
FESSARD, Mme, Psycho-Physiology
FICINI, Mlle, Chemistry
FORTET, Calculus of Probabilities and Mathematical Physics
FORTIER, Experimental Mechanics of Fluids
FOURCROY, Mlle, Vegetable Biology
FOURNET, General Electricity
FRANC, Animal Biology
FRANÇOIS, Zoology
FRANÇON, Optics
FRÉON, Chemistry
FREYMANN, Physics
FRIEDEL, Solid-state Physics
FURON, Geology

GALLIEN, Embryology
GANS, Genetics
GAUDEMAR, Chemistry
GAUTHERET, Plant Biology
GAUTHIER, Applied Mechanics
GENÈVES, Vegetable Biology
GENNES, DE, Physics
GERMAIN, Mechanical Theory of Fluids
GLANGEAUD, Physical Geography and Geodynamics
GODEMENT, Mathematics
GORENFLOT, Botany
GOURDIN, Theoretical Physics
GRASSÉ, Evolution of Living Organisms
GRIVET, Electronics
GUERIN, Chemistry
GUILBERT, Physics
GUINIER, Physics
GUINOCHET, Vegetable Biology
GUY, Experimental Physics

HAISSINSKY, Radio-Chemistry
HELLER, Vegetable Physiology
HERVE, Mathematics
HOCART, Mineralogy and Crystallography
HOLLANDE, General Biology
HOUILLON, Animal Biology
HUPÉ, Geology
HUREL-PY, Mme, Vegetable Biology

IVANOFF, Oceanographic Physics
JACQUINOT, Spectroscopy and Celestial Physics
JANCOVICI, Physics
JANET, Celestial and Analytical Mechanics
JEAN, Physics
JOSIEN, Mlle, Chemistry
JOST, Comparative Physiology
JULIA, G., Higher Analysis and Algebra
JULIA, M., Structural Organic Chemistry
JULLIEN, Systematic Chemistry
JUNG, J., Historical Geology

KAHANE, Mathematics
KASTLER, Physics
KIRRMANN, Theoretical Chemistry
KOURGANOFF, Astronomy

LACOMBE, Metallurgy
LAFFITTE, Chemistry
LAGARRIGUE, Physics
LAMOTTE, Zoology
LAVOREL, Physico-Chemical Biology
LAZARD, Mathematics
LE BRETON, Mlle, Physiology of Nutrition
LE CORRE, Electricity
LEBERRE, Entomology
LEDERER, Biochemistry
LEFEBVRE, Chemistry
LEFORT, Nuclear Chemistry
LEHMANN, Linear Acceleration
LELONG, Mme, Mathematics
LELONG, P., Mathematics
LEMEE, Physiology
LENDER, Animal Biology
LENNUIER, Physics
LESIEUR, Mathematics
L'HÉRITIER, General Biology
LIONS, Numerical Analysis
LIORET, Vegetable Physiology
LUCAS, Physics
LUCAS, G., Geology
LURÇAT, Physics
LWOFF, Microbiology

MAGAT, Optical Physics
MAGNAN, Physics
MAITTÉ, Chemistry
MALAVARD, Aviation
MALGRANGE, Mathematical Physics
MALLIAVIN, Mathematics
MANGENOT, Tropical Botany
MARÉCHAL, Optics, Theory and Physics
MARTY, Physics
MATHIEU, Physics Research
MATTLER, Physics
MAY, Comparative Anatomy
MAZET, General Mechanics
MEYER, Physics
MICHEL, A., Chemistry
MICHEL, L., Theoretical Physics
MONNIER, Functional Physiology
MONOD, Chemistry of Metabolism
MORAND, Physics
MOREL, Comparative Physiology
MOYSE, Vegetable Physics

NERON, Mathematics
NICOLAS, Applied Geology
NORMANT, Structural and Applied Organic Chemistry
NOUGAREDE, Mme, Botany
NOZERAN, Botany
NOZIERES, Physics

OLMER, General Energetics
OLIVIER, Anthropology

PANIGEL, General Biology
PANNETIGER, Chemistry
PECKER-WIMEL, Astrophysics
PEREZ-Y-JORBA, Physics
PERIO, Physics
PETIT, Marine Biology
PIAUX, Chemistry
PISOT, Mathematical Techniques in Physics
PIVETEAU, Palæontology
PLANTEFOL, Botany
PONCIN, General Mechanics
POSSEL, DE, Numerical Analysis
POSSOMPES, Animal Biology
PRENANT, Comparative Anatomy and Histology

Prévost, Organic Chemistry
Pullman, Theoretical Chemistry
Quelet, Organic Chemistry
Queney, Meteorology and Atmospheric Dynamics
Quintin, Mlle, Electro-Chemistry
Ravier, Petrography
Rigaudy, Chemistry
Rio, Chemistry
Riou, Nuclear Physics
Rivière, Geology
Rizet, Genetics
Rocard, Physics
Roch, E., Geology
Roizen, Mme, Physics
Rollet, Chemistry
Roseau, Mechanical Theory of Fluids
Rouault, Electricity
Roubine, Electronics
Routhier, Structural and Applied Geology
Samuel, Mathematics
Schaeffer, Microbiology
Schatzman, Astrophysics
Schneill, Botany
Schwartz, Calculus
Siestrunck, Physical and Experimental Mechanics
Sigwalt, Chemistry
Silber, Chemistry
Soleillet, Mathematical Physics
Souchay, Chemistry
Soulairac, Psycho-Physiology
Stolkowski, Animal Biology
Talbot, Chemical Genes
Tatibouet, Chemistry
Teissier, Zoology
Termier, General Geology
Thellier, Geophysics
Thiry, Celestial Mechanics
Thomas, A., Experimental Cellular Biology
Tonnelat, Physico-Chemical Biology
Tonnelat, Mme, Theoretical Physics
Tortrat, Probability Calculus
Trillat, Microscopy and Electronic Diffraction
Ulrich, Plant Physiology
Vassy, Physics of the Atmosphere
Vebersfeld, Electronics
Veil, Mlle, General Physiology
Vichnievsky, Technology
Ville, Econometrics
Wiemann, Structural Organic Chemistry
Willemart, Chemistry
Wurmser, Physical and Chemical Biology
Wyart, Mineralogy and Crystallography
Yvon, Theoreticsl Physics
Zamansky, General Mathematics

Faculty of Letters and Humanities (Paris and Nanterre):
Adam, History of Modern and Contemporary French Literature
Alquié, History of Modern Philosophy
Antoine, History of French Language
Anzieu, D., Psychology
Arnavon, C., Literature and Civilisation of English Speaking Countries
Aron, Sociology
Asselineau, American History and Civilisation
Aubrun, Spanish Language and Hispanic Literature
Ayrault, German Language and Literature
Bachelard, Mlle S., Philosophy
Balandier, Ethnology of Black Africa
Bastide, Social Ethnology and Religion
Beaujeu, Mme, Regional Geography
Beaujeu, J., Latin Language and Literature
Bertaux, P., German Literature and Civilisation
Birot, General Geography
Blachère, Arab Philology
Blanc, A., Human Geography
Bonnerot, English Language and Literature
Bourdon, Luso-Brazilian Studies
Bourilly, Polish Language and Literature
Boutière, Romance Philology, Rumanian Studies
Boutruche, Economic History of the Middle Ages
Boyance, Latin Language and Literature
Brachin, Dutch Language and Literature
Brunschvig, Mohammedanism
Cahen, History of the Oriental Musulman
Canguilhem, History and Philosophy of Science
Capot-Rey, R., General Geography
Castex, French Literature
Chailley, History of Music
Chamoux, Greek Language and Literature
Chantraine, History of Greek Language
Chastel, History of Modern Art
Collart, Latin Language and Literature
Crouzet, F., Modern and Contemporary History
Culioli, English Philology
Daux, Greek History (on leave)
David, German Language and Literature
Debesse, Pedagogy
Dédéyan, C., Comparative Modern Literatures
Deloffre, History of Modern French
Delvert, Tropical Geography
Demargne, Greek and Roman Archæology
Deschamps, Modern History of Black Africa
Despois, Geography of N. Africa
Dresch, Geography
Droz, Contemporary History
Duchemin, Mme J., Greek Language and Literature
Dufrenne, Philosophy
Dupront, Modern and Contemporary History
Duroselle, J. B., Contemporary History
Durry, Latin Language, Literature
Durry, Mme, French Literature of the 19th and 20th Centuries
Ellrodt, English Language and Literature of 17th and 18th Centuries
Etiemble, Comparative Literature
Fabre, History of French Literature of the 18th Century
Favez-Boutonier, Mme, Psychology
Flacelière, Greek Rhetoric
Fontaine, Latin Language and Literature
Fort, English Literature
Fourquet, Philology of Germanic Languages
Fraisse, Experimental Psychology
Frappier, Medieval French Literature
François, Archives
Gaillard, History of Art in the Middle Ages
Ganiage, History of Colonisation
Garapon, French Literature of the 16th and 17th Centuries
George, Human Geography
Gernet, Chinese Languages and Cultures
Girard, Modern and Contemporary History
Gougenheim, History of French Language
Gouhier, History of Religious Thought in France since the 16th Century
Granjard, Russian Language and Literature
Grappin, German Literature and Civilisation
Gravier, Scandinavian Languages and Literatures
Grimal, Latin Language and Literature
Guilcher, Fluvial Hydrology
Guitton, Philosophy and the History of Philosophy
Gurvitch, Sociology
Hageunauer, Japanese Language and Culture
Hangest, G. d', English Language and Literature
Harl, Mme, Greek Language and Literature
Herman, Romance Linguistics
Heurgon, Latin Language and Literature
Humbert, Classical Greek Philology
Jankelévitch, Ethics and Moral Philosophy
Jullian, History of Contemporary Art
Lacombe, Comparative Philosophy
Lafitte, Mme, Russian Language and Literature
Lagache, Psychopathology
Landré, Modern British and American Literature and Civilisation
Las Vergnas, Modern Literature and Civilisation of Great Britain
Lassus, J. B., Prehistory and Archæology
Lebègue, French 16th and 17th Century Literature
Le Bonniec, Latin Language and Literature
Leclant, Eygptology
Le Gentil, Pre-Classical French Literature
Lejeune, Linguistics
Lemerle, History of Byzantine Civilisation
Leroi-Gourhan, Ethnology
Margueron, Italian Language and Literature
Marrou, History of Christianity
Martinet, General Linguistics
Mauny, History of the North African Civilisations
Mayoux, English Language and Literature
Micha, A., French Medieval Literature
Michaud, G., Contemporary French Literature
Minard, Indian Language and Literature
Mollat, History of the Middle Ages
Monbeig, Human Grography
Monod, S., English Contemporary Literature and Civilisation
Mousnier, Modern History
Oleron, Child Psychology
Parreaux, 18th Century English Literature and Civilisation
Patronnier de Gandillac, History of Medieval Philosophy
Pedelaborde, Climatology
Pellat, Arab Language and Civilisation
Perpillou, Political and Economic Geography
Perret, Latin Language and Literature
Perrot, Linguistics
Perroy, E., Medieval History
Piaget, Child Psychology and Pedagogy
Picard, G., Roman Archæology
Picard, R., French 17th Century Literature
Pintard, History of Classical French Literature
Poirier, M., Language, Literature and Civilisation of the English Renaissance
Poirier, R., General Philosophy and Logic
Polin, History of Philosophy
Pomeau, French 18th Century Literature

PORTAL, Slavonic History and Civilisation
POTTIER, B., Spanish Language and Literature
REINHARD, History of the French Revolution
RENOU, Civilisation of India and South-East Asia
RENUCCI, Modern Italian Literature
RICARD, Spanish Language and Literature
RICATTE, French Literature
RICOEUR, P., Philosophy
ROBERT, Ancient Greek Literature and Civilisation
ROCHEFORT, Applied Geography
ROCHON, Italian Renaissance Literature
RUMEAU, Spanish Language and Literature
SAULNIER, History of French Humanism
SCHERER, History and Technics of French Theatre
SCHUHL, History of Ancient Philosophy
SESTON, Roman History
SIMONDON, Psychology
STOETZEL, Social Psychology
SUSINI, German Literature and Civilisation
TAPIÉ, Modern History
VAN EFFENTERRE, Ancient History
VERNIERE, P., French Literature
VOISINE, Comparative Literature
WAGNER, French Grammar and Philology
WORMS DE ROMILLY, Mme de, Greek Language and Literature
WUILLEUMIER, Latin Language and Literature
(Vacant—Medieval History, Byzantine History and Civilisation, Economic and Medieval History,)

Faculty of Pharmacy:

BORY, Serology
BOUDENE, Toxicology
BOURDON, Analytical Chemistry
CAVIER, Applied Zoology
COHEN, Pharmacodynamics
COURTOIS, Biochemistry
CRÉTÉ, Botany
DELAVEAU, Natural History of Vegetable Medicaments
DEYSSON, Vegetable Cytology
DILLEMANN, Deontology and History of Pharmacy
DOMANGE, Chemistry of Minerals
FLAHAUT, Minerology
GAUTIER, Organic Chemistry
GERMAN, Virology and Serology
GIRARD, Analytical Chemistry
GUILLOT, Physics
HIR, LE, Galenic Pharmacy
JANOT, Galenic Pharmacy
LAMBIN, Mlle, Microbiology
LARVELLE, Physics
MALANGEAU, Chemical Analysis
MANGEOT, Galenic Industrial Pharmacy
MOREAU, Chemical Pharmacy
MORETTE, Hydrology
PAOLETTI, Radio Isotopes
PARIS, Pharmacognosy
PERCHERON, Biochemistry
PIETTE, Biology of Blood
POISSON, Pharmaceutical Chemistry
QUEVAUVILLER, Hygiene
RAOUL, Physiology
RENAULT, H., Physics
RENAULT, J., Organic Chemistry
REYNAUD, Pharmaceutical Chemistry
ROSSIGNOL, Pharmacodynamics
TRUHAUT, Toxicology
VALETTE, Pharmacodynamics

FACULTY INSTITUTES:

Faculty of Law and Economics

12 place du Panthéon, Paris 5e

Centre d'Enseignement de l'Institut de Droit des Affaires: Faculty of Law; f. 1946; Dir. Prof. LAGARDE.

Institut de Criminologie: Faculty of Law; f. 1922; is divided into two sections: (1) Criminal Law, (2) Penitentiary Science; Dir. Prof. P. STÉFANI.

Institut de Droit Romain: Faculty of Law; f. 1946; Dir. Prof. GAUDEMET.

Institut des Hautes Etudes Internationales: Faculty of Law; f. 1921; Dir. C. ROUSSEAU; library of 4,000 vols.

Institut d'Etudes Judiciaires: Faculty of Law; f. 1958; Dir. Prof. LE BALLE.

Faculty of Medicine

12 rue de l'Ecole-de-Médecine, Paris 6e
45 rue des Saints Pères, Paris 6e

Institut d'Anesthésiologie: Dir. Prof. J. BAUMANN.

Institut de Diététique: Dir. Prof. HAMBURGER.

Institut de Médecine Tropicale: 21 rue de l'Ecole-de-Médecine, Paris 6e; f. 1902; Dir. The Dean of the Faculty of Medicine; Gen. Sec. Prof. G. LAVIER.

Institut d'Hygiène Industrielle et de Médecine du Travail: 15 rue de l'Ecole de Médecine; Dir. Prof. H. DESOILLE.

Ecole de Malariologie: 21 rue de l'Ecole-de-Médecine, Paris 6e; Dir. Prof. L. C. BRUMPT; 7 professors.

Institut de Médecine Légale: 2 place Mazas, Paris 12e; Dir. Prof. L. DEROBERT.

Institut de Parasitologie: 21 rue de l'Ecole-de-Médecine, Paris 6e; Dir. Prof. L. C. BRUMPT.

Institut de Progenèse: Dir. Prof. R. TURPIN.

Ecole de Puériculture de la Faculté de Médecine de Paris: 26 boulevard Brune, Paris 14e; Dir. Prof. M. LELONG.

Institut de Puériculture de la Ville de Paris et du Département de la Seine: Hôpital Saint-Vincent-de-Paul, 74 rue Denfert-Rochereau, Paris 14e; Dir. Prof. M. LELONG.

Institut de Radio-Biologie Cellulaire: Dir. Prof. J. VERNE.

Ecole de Sérologie de la Faculté de Médecine de Paris: Institut Alfred-Fournier, 25 boulevard Saint-Jacques, Paris 14e; Dir. M. SICARD DE PLAUZOLES.

Institut de Stomatologie de la Faculté de Médecine: Hôpital de la Salpétrière, Paris 13e; Dir. Prof. M. DECHAUME.

Institut de Documentation Ophtalmologique.

Institut de Pharmacologie: Dir. Prof. J. CHEYMOL.

Institut d'Histochimie Médicale: Dir. Prof. J. VERNE.

Institut de recherches sur les Leucémies: 2 place Fournier, Paris 10e; Dir. Prof. J. BERNARD.

Faculty of Sciences

9 Quai St. Bernard, Paris 5e

Ecole Nationale Supérieure de Chimie: 11 rue Pierre Curie, Paris 5e; f. 1896; Dir. Prof. BÉNARD; Sec.-Gen. M. MATHIEU.

Institut de Mécanique: 11 rue Pierre Curie, Paris 5e; Dir. H. VILLAT.

Institut de Physique du Globe: 191 rue Saint-Jacques, Paris 5e; f. 1921; library of 1,500 vols.; dependent observatories at St. Maur (Seine), Chambon-la-Forêt (Loiret), Nantes (Loire-Atlantique), La Martinique, La Guadeloupe; Dir. E. THELLIER; publ. *Annales de l'Institut de Physique du Globe et du Bureau Central de Magnétisme Terrestre.*

Institut de Programmation: Impasse d'Aubervilliers, Paris 19e; Dir. DE POSSEL.

Institut de Préparation aux Enseignements de Second Degré (I.P.E.S.): 22 rue de Bordeaux, Paris 5e; Dir. Prof. AMIEL.

Institut Henri Poincaré (*Mathematics, Mechanics and Physics*): 11 rue Pierre Curie, Paris 5e; f. 1928 by Rockefeller and Baron Edm. de Rothschild; Dir. P. MONTEL; Sec. P. BELGODÈRE.

Institut National de Biologie Marine: Roscoff Biological Station; Dir. G. TEISSIER; Arago-Banyuls-sur-Mer Laboratory; Dir. P. DRACH.

Centre de Recherches Géodynamiques: Thonon-les-Bains (Haute Savoie); Dir. Prof. L. GLANGEAUD.

Laboratoire de Géodynamique Sous-Marine: Villefranche-sur-Mer; Dir. Prof. L. GLANGEAUD.

Laboratoire d'Océonographie Physique: Villefranche-sur-Mer; Dir. A. IVANOFF.

Faculty of Letters and Humanities

17 rue de la Sorbonne, Paris 5e

Institut d'Epigraphie Grecque: 16 rue de la Sorbonne, Paris 5e; Dir. R. FLACELIÈRE.

Institut d'Histoire Economique et Sociale: Dir. R. BOUTRUCHE.

Institut d'Histoire de la Révolution Française: Faculty of Letters; Dir. M. REINHARD.

Institut d'Etudes Italiennes: 5 rue de l'Ecole-de-Médecine, Paris 6e; f. 1928; Dir. P. RENUCCI; publ. *Revue des Etudes Italiennes.*

Institut de Langue, Littérature et Civilisation Anglaises et Nord-Américaines: 5 rue de l'Ecole de Médecine, Paris 6e; Dir. R. LAS VERGNAS.

Institut de Langue et Littérature Françaises: à la Faculté des Lettres; Dir. V. L. SAULNIER.

Institut d'Etudes Latines: à la Faculté des Lettres; Dir. Prof. J. PERRET.

Institut de Linguistique: à la Faculté des Lettres; f. 1921; Dir. A. MARTINET.

Institut de Littératures Modernes Comparées: Faculty of Letters; f. 1920; Dir. CH. DÉDÉYAN; publs. *Revue de littérature comparée*, *Etudes de littérature étrangère et comparée.*

Institut de Papyrologie: à la Faculté des Lettres; Dir. (Vacant).

Institut d'Etudes Portugaises et Brésiliennes: 17 rue de la Sorbonne, Paris 5e; Dir. Prof. L. BOURDON.

Centre de Recherches sur la Civilisation de l'Europe Moderne: 17 rue de la Sorbonne, Paris 5e; Dir. R. MOUSNIER.

Centre de Recherches Africaines: 17 rue de la Sorbonne, Paris 5e.

Centre d'Études Littéraires Supérieures Appliquées: 17 rue de la Sorbonne, Paris 5e.

Centre d'Etudes Supérieures du Tourisme: Dir. Prof. J. DRESCH.

Centre de Recherches Préhistoriques et Protohistoriques: Dir. Prof. L. GOURHAN.

Centre de Civilisation Polonaise: 15 rue Champollion; Dir. (Vacant).

Institut d'Etudes Roumaines: 16 rue de la Sorbonne, Paris 5e; f. 1913; library of 4,000 vols.; Dir. J. BOUTIÈRE.

Centre de Recherches d'Histoire des Slaves: 17 rue de la Sorbonne, Paris 5e; Dir. R. PORTAL.

Centre de Recherches d'Histoire et Civilisation Byzantines: 17 rue de la Sorbonne, Paris 5e; Dir. P. LEMERLE.

Institut des Professeurs de Français à l'Etranger: 47 rue des Ecoles and 46 rue St. Jacques, Sorbonne, Paris 5e; reorganised 1945; 400 mems.; Dir. V. L. SAULNIER.

Institut de Préparation aux Enseignements de Second Degré: 17 rue de la Sorbonne, Paris 5e; Dir. Prof. WUILLEUMIER.

Institut d'Etudes Théâtrales: 18 rue de la Sorbonne, Paris 5e; Dir. (Vacant).

Centre d'Etudes Coréennes: Dir. CH. HAGUENAUER.

Faculty of Pharmacy

4 avenue de l'Observatoire, Paris 6e

Institut de Pharmacotechnie et de Pharmacodynamie: Faculty of Pharmacy.

SCHOOLS AND UNIVERSITY INSTITUTES:

I. Ecoles Normales Supérieures

Ecole Normale Supérieure: 45 rue d'Ulm, Paris 5e; f. 1794 by the National Convention; library contains 600,000 vols.; Dir. R. FLACELIÈRE; Asst. Dir. A. KIRRMANN; Librarian P. PETITMENGIN; publs. *Publications de l'Ecole Normale Supérieure (Lettres)*, *Publications de l'Ecole Normale Supérieure (Sciences)*, *Annales Scientifiques de l'Ecole Normale Supérieure.*

PROFESSORS:

Department of Letters:
DEMARGNE, Archæology
DRESCH, Physical Geography
GRIMAL, Classics
HEURGON, Roman Civilisation
LE GENTIL, French Literature
MAYOUX, Foreign Languages and Literature
MAUZI, French Language and Literature
MONBEIG, Geography
MOREL, French Language and Literature
PERPILLOU, Economic Geography
PRIGENT, French Language and Literature
RICATTE, French Language and Literature
SESTON, Roman History
TAPIÉ, Modern History
VUILLEMIN, Philosophy

Department of Sciences:
BERGERARD, Natural Sciences
BRUSSET, Chemistry
BUVAT, Botany
CARTAN, Mathematics
CURIEN, Chemistry
HELLER, Natural Sciences
KASTLER, Physics
KIRRMANN, Chemistry
PLANTEFOL, Botany
ROCARD, Physics
TEISSIER, Natural Sciences
WIEMANN, Chemistry

Ecole Normale Supérieure des Jeunes Filles: 48 boulevard Jourdan, Paris 14e; Dir. Mme M.-J. DURRY.

II. University Institutes

Centre de Hautes Etudes Administratives sur l'Afrique et l'Asie Modernes: 13 rue du Four, Paris 6e; Dir. P. RONDOT; publs. *L'Afrique et L'Asie* (quarterly), *Orient-Occident* (bimonthly), *Cahiers de l'Afrique et l'Asie* (irregular), *Langues et Dialects d'Outre-Mer* (irregular).

Institut des Hautes Etudes de l'Amérique Latine: 28 rue St. Guillaume, Paris 7e; f. 1952; Dir. M. P. MONBEIG.

Institut d'Art et d'Archéologie: 3 rue Michelet, Paris 6e; Dir. Prof. P. DEMARGNE.

Institut de Biologie Clinique: Hôpital Cochin, 27 Faubourg St.-Jacques, Paris 14e; Dir. P. JUSTIN-BESANÇON.

Institut de Recherches Scientifiques sur le Cancer: 16 *bis* avenue Vaillant-Couturier, Villejuif (Seine); f. 1925; Dir. P. GRABAR; Adm. J. CROZEMARIE.

Ecole Supérieure de Cartographie Géographique: 191 rue Saint-Jacques, Paris 5e; Dir. J. DRESCH.

Institut des Hautes Etudes Chinoises de l'Université de Paris: à la Sorbonne, 47 rue des Ecoles, Paris 5e; f. 1920; library contains 8,000 vols. in European languages and 100,000 in Chinese; Dir. L. HAMBIS.

Institut de Démographie: 2 rue Cujas, Paris 5e; Dir. M. A. SAUVY.

Institut d'Etude du Développement Economique et Social: 96 boulevard Raspail, Paris 6e; Dir. M. PERROUX.

Institut de Droit Comparé: 28 rue Saint-Guillaume, Paris 7e; f. 1931; library contains 20,000 vols.; Dirs. R. RODIÈRE and C. COLLIARD; Sec.-Gen. J. B. HERZOG; publs. *Revue de Science criminelle*, *Annales de Finances publiques*, *Annales Economiques.*

Centre Français de Droit Comparé: 28 rue Saint-Guillaume, Paris 7e; Pres. M. JULLIOT DE LA MORANDIÈRE.

Institut d'Education Physique: 1 rue Lacretelle, Paris 15e; f. 1928; Dir. F. PLAS.

Institut d'Esthétique: 16 rue Chaptal, Paris 9e; Dir. E. SOURIAU.

Institut d'Ethnologie: Musée de l'Homme, Palais de Chaillot, Paris 16e; f. 1925; Dirs. A. LEROI-GOURHAN and Prof. C. LÉVI-STRAUSS; publ. *Travaux et Mémoires de l'Institut d'Ethnologie de l'Université de Paris.*

Institut de Géographie: 191 rue Saint-Jacques, Paris 5e; f. 1923; library contains 17,000 vols., 70,000 maps, 600 reliefs, 700 diapositives; Dir. J. DRESCH.

Institut d'Etudes Germaniques: 5 rue de l'Ecole-de-Médecine, Paris 6e; Dir. C. DAVID.

Institut de Langues et Littératures Grecques Médiévales et Modernes: 47 rue des Ecoles, Paris 5e; Dir. M. MIRAMBEL.

Institut d'Etudes Hispaniques: 31 rue Gay-Lussac, Paris 5e; f. 1929; 12,000 vols. in library; Dirs. MM. AUBRUN and RICARD.

Institut d'Histoire des Sciences et des Techniques: 13 rue du Four, Paris 6e; f. 1932; library of 2,000 vols.; Dir. Prof. G. CANGUILHEM, PH.D.; publ. *Thalès.*

Institut d'Histoire des Relations Internationales et Contemporaines: Faculté des Lettres; Dir. M. DUROSELLE.

Institut d'Histoire des Religions: Faculté des Lettres; Dir. M. MARROU.

Institut de Civilisation Indienne: à la Sorbonne, 47 rue des Ecoles, Paris 5e; f. by E. Sénart; Dir. Prof. L. RENOU.

Ecole Supérieure d'Interpretès et de Traducteurs: Dir. M. GRAVIER.

Institut d'Administration des Entreprises: 12 place du Panthéon, Paris 5e; Dir. LASSEGUE.

Institut d'Etudes Iraniennes de l'Université de Paris: Library: 19 avenue d'Iéna, Paris 16e; Dir. M. BENVENISTE.

Institut d'Etudes Islamiques et Centre d'Etudes de l'Orient Contemporain: 13 rue du Four, Paris 6e; f. 1929; Dir. Prof. R. BRUNSCHVIG.

Institut d'Etudes Japonaises: 47 rue des Ecoles, Paris 5e; f. 1935; Dir. M. HAGUENAUER.

Institut de Musicologie: 3 rue Michelet, Paris 6e; f. 1951; Dir. J. CHAILLEY.

Institut d'Orientation Pédagogiques des Etudiants Etrangers: 6 rue Jean Calvin, Paris 5e; Dir. Mme BARATIN.

Institut de Pédiatrie Sociale: Hôpital des Enfants Malades, 149 rue de Sèvres, Paris 15e; Dir. Prof. J. MARIE.

Institut de Phonétique: 19 rue des Bernardins, Paris 5e; Dirs. CULIOLI and PERROT.

Institut d'Etudes Politiques de l'Université de Paris: 27 rue Saint-Guillaume, Paris 7e; f. 1945 as successor to l'Ecole Libre des Sciences Politiques; library contains 150,000 vols.; Dir. J. CHAPSAL.

Fondation Nationale des Sciences Politiques: 27 rue Saint-Guillaume, Paris 7e; f. 1945; library (*see* Libraries) and press library; promotes the development of the political, economic and social sciences; Administrator J. CHAPSAL; administers two research centres.

Institut Français de Presse: 27 rue Saint-Guillaume, Paris 7e; Dir. F. TERROU.

Institut de Psychologie: 28 rue Serpente, Paris 6e; f. 1921; Dir. FRAISSÉ.

Institut d'Etudes Scandinaves: 16 rue de la Sorbonne, Paris 5e; Dir. M. GRAVIER.

Institut des Sciences Sociales du Travail: Teaching Dept.; 2 rue Cujas; Dir. M. DAVID; Research Dept., 27 rue de Fleurus, Paris 6e; Dir. M. STOETZEL; Pres. of the Council le Recteur de l'Université de Paris.

Institut d'Etudes Sémitiques: 16 rue de la Sorbonne, Paris 5e; f. 1930; Pres. Prof. A. DUPONT-SOMMER; publ. *Semitica*.

Institut d'Etudes Slaves: 9 rue Michelet, Paris 6e; f. 1920; 170 mems.; 100,000 vols.; Pres. M. R. PORTAL; publs. *Revue des Etudes Slaves* and different collections.

Institut de Statistique de l'Université de Paris: 9 quai Saint Bernard, Paris 5e; f. 1922; Dir. of Studies D. DEGUÉ; publs. *Publications de l'Institut, Revie de Statistique appliquée.*

Institut d'Etudes Turques de l'Université de Paris: 13 rue du Four, Paris 6e; Dir. M. BAZIN.

Institut d'Urbanisme de l'Université de Paris: 3 rue Michelet, Paris 6e; f. 1919; Dir. P. LAVEDAN; publ. *Urbanisme et Habitation.*

III. Other University Institutions

Ecole Supérieure de Physique et de Chimie Industrielles de la Ville de Paris: 10 rue Vauquelin, Paris 5e; f. 1882; Dir. R. LUCAS.

Cours de Civilisation Française: à la Sorbonne, 47 rue des Ecoles, Paris 5e; f. 1919; Dir. G. MATORÉ.

Ecole Préparatoire des Hautes Etudes d'Interprétariat: 15 rue Champollion, Paris 5e; f. 1953; Dir. M. MATORÉ; Dir. of Studies M. OUVRIEU.

Palais de la Découverte: avenue Franklin D. Roosevelt, Paris 8e; f. 1937 as a museum for the popularisation of science; departments of mathematics, astronomy, physics, chemistry, biology, medicine, surgery, history of science, also includes a Planetarium; Dir. ROSE; publs. *Conférences, Catalogues.*

Centre d'Etudes Supérieures de Mécanique: 1 avenue de Général Balfournier, Paris 16e; administered by the Institut de Mécanique; post-graduate courses in aero-thermodynamics.

Observatoire de Nice: *see* Research Institutes—Astronomy.

Observatoire de Paris: *see* Research Institutes—Astronomy.

Institut du Radium: 11 rue Pierre Curie, Paris 5e; f. 1909; Laboratories of Nuclear Physics, Radioactivity and Radio-Chemistry; Biological and Medical Department.

UNIVERSITÉ DE POITIERS

5 CITÉ DE LA TRAVERSE, POITIERS

Telephone: 41-28-74.

Founded 1432.

Rector: C. FRANCK.
Secretary: M. PÉE.
Librarian: Mlle J. GIRAUD.

Number of teachers: 478.

Number of students: 5,163 men, 3,638 women, total 8,801.

DEANS:

Faculty of Law: G. CORNU.
School of Law of Limoges: G. RECH (Director).
School of Law of Tours: H. JANEAU (Director).
Faculty of Sciences: MANSON.
Faculty of Letters: M. LAVAUD.
School of Medicine of Poitiers: Dr. DEBELUT.
School of Medicine of Limoges: Dr. FAURE.
Ecole Nationale Supérieure de Mécanique Aérotechnique: M. LAURONT (Director).

PROFESSORS:

Faculty of Law:
ALFANDARI, Private Law
BENARD, Civil Law
CORNU, Civil Procedure
DESGRANDES, Administrative Law
FILHOL, History of Social Institutions
GABILLARD, History of Economic Doctrines
JANEAU, History of Social Institutions
JEANNEAU, Public Law
LEGEAIS, Criminal Law
MALAURIE, Civil Law
NIVEAU, International Public Law
OLIVIER-MARTIN, History of Social Institutions
PONTENAY DE FONTETTE, Civil Law
SAVATIER, J., Commercial Law
TIXIER, Constitutional Law

School of Law of Limoges:
ARDANT, Commercial Law
BEAULIEU, Civil Procedure and its Application
BOSGIRAUD, Private International Law
BROQUEREAU, History of Institutions
CHARRIÈRE, Civil Law
CHARTIER, Civil Law
DAUDET, Administrative and Financial Law
DAURIAC, Criminal Law
DURAND, Civil Law
MALINVAUD, Civil Law
MEYNIER, Civil Law
PAROUTAUD, Constitutional and Public International Law
RECH, History of Law and Roman Law
RINGUET, Science and Financial Law
TARRADE, Public Law and Labour Legislation

School of Law of Tours:
AUGRAIN, Civil Law
BARATHON, Economic Science
BROTTIER, Civil Procedure and its Application
DUNEIGRE, Administrative Law
FILLET, Public International Law
GARNIER, Economic Science
LIGNEAU, Public Law
MILLIAT, Constitutional Law
PALLU DE LESSERT, Civil Law
PETIT, Civil Law
RATEAU, Criminal Law
ROBERT, Criminal Law

Faculty of Sciences:
CASADEVALL, Chemistry
CHARTIER, Physics
CORDIER, Thermodynamics
DOLBEAULT, Mathematics
DUCHAIGNE, Vegetable Biology
EZRA, Numerical Analysis
GARGOUIL, Animal Physiology
GAVAUDAN, Botany
GRAY, Physics
GUICHARDET, Algebra and Geometry
GUTH, Paleontology of Vertebrates and Humans
JACQUESSON, Physics
JOLIET, Physics
LARAMBERGUE, Zoology
LAURENT, Mechanics of Solids
LAZARD, Mathematics
LEGRAND, Animal Biology
MATHIEU, Geology
MATHURIN, Rational and Applied Mechanics
REVUZ, Differential and Integral Calculus
RIVAULT, Physics
ROSENBERG, Biological Chemistry
TABOURY, Chemistry
VALENSI, Chemistry

Faculty of Letters:
BARDON, Latin Philology and Antiquities
BIZET, German Language and Literature
BRISSON, Latin Literature and Roman Institutions
CASTELLAN, Contemporary History and the History of Art

CROZET, Regional and General History of Art
EGRET, Modern and Contemporary History
FÉNELON, Geography
FRANDON, Mlle, Modern French Literature
IRIGOIN, Greek Language and Literature
LABANDE, Medieval History
LEAUD, Contemporary English Literature
LEVINAS, Morals and Sociology
MARTIN, English Language and Literature
MESNARD, Renaissance Culture and Philosophy
PUCELLE, Philosophy
ROBERT, Geography
SAINT-LU, Spanish Language and Literature
TERREAUX, History and Literature of Poitou and Western Departments
THOUVENOT, Ancient History

School of Medicine and Pharmacy of Poitiers:
BEAUCHANT, J., Clinical Medicine
BODROUX, Chemistry and Toxicology
BRISOU, Bacteriology
DEBELUT, Surgical Pathology
FERRU, Child Medicine
LEMESLE, Natural History
MALLET, Medical Science
PAYARD, Pathological Anatomy
QUIVY, Clinical Surgery
ROUSSEAU, Medical Pathology

School of Medicine and Pharmacy of Limoges:
BLANC, Medical Pathology
CHARRUYER, Physics
COUSSIEU, Clinical Oto-Rhino-Laryngology
FAURE, Clinical Surgery
FILHOULAUD, Surgical Pathology
GÉRALD, Chemistry
MANDOUL, Parasitology
RICHARD, Physiology
VALIÈRE-VIALEIX, Clinical Ophthalmology
VALLAT, Clinical Medicine
WAGNER, Materia Medica

UNIVERSITÉ DE REIMS

51 RUE SIMON, RHEIMS

Telephone: 47-04-95.

Founded 1962.

Rector: Y. SÉGUILLON.
Secretary-General: M. DUPUY.
Librarian: Mlle CONDAMIN.

Number of teachers: 138.
Number of students: 2,187.

Faculty of Science: M. DAVID (Dean).
Ecole Nationale de Médecine et de Pharmacie: M. VILDE (Director).
Collège Littéraire Universitaire: M. GRUBELLIER (Director).

PROFESSORS:

Faculty of Science:
CORDIER, Mlle MARGUERITE, Electricity
DAVID, M., Mathematics
DUPEYRAT, R., Optics
FAUCHERRÉ, J., Mineral Chemistry
GASTAMBIDE, B., Organic Chemistry
GAUMONT, R., Zoology
GONTCHAROFF, Mlle MARIE, General Biology
GRILLOT, E., Thermodynamics and Mechanical Physics
GUENEBAUT, H., General Chemistry
LAURENTIAUX, D., Geology
LEVY-BRUHL, Mme PAULETTE, Mechanics
SADDY, J., Physics
SCHWARTZ, Mme MARIE-HÉLÈNE, Mathematics

Ecole Nationale de Medecine et de Pharmacie
BASTIEN, J., Surgical Pathology
CHAPPAZ, G., Clinical Obstetrics
JACQUET, M., Pathological Anatomy
JACQUINET, A., Clinical Medicine
LARDENNOIS, R., Surgical Pathology
LEFEVRE, R., Histology and Embryology
LE MEN, J., Galenic Pharmacy
MEYNARD, M., Clinical Surgery
QUEREUX, P., Anatomy
VILDE, L., Medical Pathology

Collège Littéraire Universitaire:
AULOTTE, French
BADIOU, Philosophy
BALLE, English
BILLORET, Latin
CHARNEUX, Greek
CRUBELLIER, History
CUISIAT, French
DERATHE, Philosophy
DORANGEON, Mme, English
JOCHUM, English
MASSON, Latin
OURY, German
PELTRE, Geography
PONCELET, Latin
PRECHEUR, Geography
RICAU, Mlle, English
RONNET, Mlle, Greek
TONNELLE, Mlle, English
ZUBER, English

UNIVERSITÉ DE RENNES

19 BOULEVARD DE SÉVIGNÉ, RENNES

Telephone: 40-23-44.

Founded at Nantes in 1461 by the Duke of Brittany, François II; transferred to Rennes in 1735.

Rector: H. LE MOAL.
Secretary: M. ROUSSEAU.
Librarian: J. SANSEN.

Number of teaching staff: 619, including 155 professors.

Number of students: 7,549 men, 5,051 women, total 12,600.

Publications: *Annuaire de l'Université, Annales de Bretagne.*

DEANS:

Faculty of Jurisprudence: M. PERCEROU.
Faculty of Science: M. BOCLE.
Faculty of Letters: M. MARACHE.
Faculty of Medicine of Rennes: M. LEROY.
School of Dental Surgery and Stomatology: C. HOUALET (Director).

PROFESSORS:

Faculty of Jurisprudence:
BÉNOIT, Administrative Law
BIAYS, Political Economy
BLAISE, Private Law
BOUZAT, Criminal Law
BREDIN, Private Law
BREJON DE LAVERGNÉE, History of Law
COSNARD, M., Roman Law
DEPREZ, Private Law
KRIER, Political Economy
KRIER, Mme, Political Economy
LE BOURVA, Commercial Law
LEDUC, History of Economic Ideas
MOREAU, Public Law
PERCEROU, Penal Law
TURLAN, Economic Sciences

Faculty of Science:
ABBAYES, DES, Botany
ALLEGRET, Zoology
BENZECRI, Mathematics
BOCLE, Mathematics
BOISTEL, Zoology
BOT JEAN LE, Physics
CARRIE, Chemistry
CLAUSTRES, Botany
CHARPENTIER, Mlle, Mathematics
DELAVAULT, Mathematics
DURAND, Geology
FOUCAUD, Chemistry
GALATRY, Physics
GLAESER, Mathematics
GOAS, Botany
GUERILLOT, Chemistry
GUÉRINDON, Mathematics
HAGÈNE, Botany
JOHANNIN-GILLES, Mme, Physics
LAHAYE, Mme, Zoology
LANG, Chemistry
LE MONTAGNER, Physics
LEVAS, Chemistry
LIBERMANN, Mlle, Mathematics
MAILLET, Zoology
MARTIN, Differential and Integral Calculus
MEINNEL, Physics
MEVEL, Physics
MILON, Geology, Mineralogy
MONOD-HERZEN, Physics
PELTIER, Chemistry
PHILIPPOT, Geology
POISSON, Zoology
PRIGENT, Chemistry
RAZET, Zoology
RENAUD, Geology
RICHARD, Animal Biology
RIGUET, Mathematics
ROBIN, Physics
ROBIN, Mme, Physics
SALMON-LEGAGNEUR, Chemistry
SUZOR, Physics
VACHER, Physics
VALLET, Chemistry
VÈNE, Chemistry
VIGNERON, Physics
VILLERET, Physiology

Faculty of Letters:
ARBOUSSE-BASTIDE, Social Psychology
BATARD, Mlle, Comparative Literature
BOUSQUET, Greek
CHASTAGNOL, History of Antiquity
CONTAMINE, Modern History
DELUMEAU, History
DUMAS, Italian Language and Literature
FALC'HUN, Celtic Languages and Literatures
FOULON, Medieval French Language and Literature
FRÉVILLE, Economic History
GAGNEPAIN, General Linguistics and Erse
GAUTIER, Geography
GOLDSCHMIDT, Philosophy
GOUBERT, Economic History
HUS, Latin Language and Literature
JONES-DAVIES, English
LEROND, French Philology
LE YAOUANG, French Language and Literature
MAITRE, English
MARACHE, Latin
MARMIER, French Literature
MEYNIER, Geography
MUCCHIELLI, Social Psychology
MUSSAT, History of Art
NARDIN, French Literature
PEDECH, Greek
PHILIPPONNEAU, Human Geography
RICHE, History of the Middle Ages

RUELLAN, Geography
THORAVAL, French Language and Literature
TRÉPOS, Celtic Language and Literature
VIER, French Language and Literature
VILLARD, Ancient History

Faculty of Medicine of Rennes:
ARDOUIN, Clinical Ophthalmology
BOUREL, Clinical Medicine
BOURGUET, Oto-Rhino-Laryngology
CHAMBON, Histology
CHAUVEL, Analytical Chemistry
CHEVREL, Mme, Pathological Anatomy
CORMIER, Materia Medica
COUTEL, Bacteriology and Hygiene
DESCUNS, Neuro-Surgery
DOBY, Parasitology and Applied Zoology
GRANGAND, Medical Biochemistry
GRÉGOIRE, Pharmacy
GUELFI, Medical Physics
GUIHENEUC, Clinical Surgery
HUGUENIN, Hygiene
JACQUEMIN, Parasitology
LANCHOU, Anatomy
LE GAC, Medical Chemistry
LEGUYON, Experimental Biology
LEROY, Infectious Diseases
MARUELLE, Surgical Pathology
MICHAUX, Forensic Medicine
PATAY, Physiology
PAULET, Physiology
PECKER, Clinical Neuro-Surgery
PELLE, A., Clinical Surgery
SAMBRON, General and Internal Pathology
SÉNÉCAL, Clinical Pædiatrics
TIOLLAIS, Pharmaceutical Chemistry
TOULOUSE, Clinical Obstetrics
VIVIEN, Therapeutics
(Vacant—Neurology and Psychiatry, Clinical Medicine for Infants, Botany and Cryptogamia, Biological Pharmaceutical Chemistry)

UNIVERSITÉ DE STRASBOURG

6 RUE DE LA TOUSSAINT, STRASBOURG

Telephone: 32-59-80.

Founded 1537, University 1621.

Rector: M. BAYEN.
Secretary-General: M. AUBERT.
Number of teaching staff: 788.
Number of students: 14,093.

DEANS:

Faculty of Catholic Theology: M. NEDONCELLE.
Faculty of Protestant Theology: F. WENDEL.
Faculty of Law and Political Science: A. WEILL.
Faculty of Medicine: R. FONTAINE.
Faculty of Sciences: M. MILLOT.
Faculty of Letters: M. LIVET.
Faculty of Pharmacy: M. HASSELMANN.

PROFESSORS:

Faculty of Catholic Theology:
BARBOTIN, Philosophy
BERNHARD, Canon Law
BUHR, Moral and Pastoral Theology
CHATILLON, Church History
CHAVASSE, Dogmatic Theology
CHIRAT, History of Religions
GIET, Church History
HAURET, Old Testament
JAVELET, Philosophy
METZ, Canon Law
NEDONCELLE, Apologetics
PLAGNIEUX, Dogmatic Theology
ROBERT, Moral and Pastoral Theology
SCHMITT, New Testament
VOGEL, Liturgical History and Christian Archæology

Faculty of Protestant Theology:
BENOIT, A., History of Ancient Christianity
BURGELIN, Philosophy of Religion
CLAVIER, New Testament
HONEGGER, Musicology
JACOB, Old Testament
MEHL, Moral Theology
PETER, Practical Theology
PHILONENKO, History of Religions
SIEGWALT, Dogmatic Theology
TROCME, New Testament
VOELTZEL, Practical Theology
WENDEL, History of Christianity

Faculty of Law and Political Science:
BASTIAN, Commercial Law
CHABERT, Economic Theory
CHAMLEY, Political Economy
CHATELAIN, Public Law
COULBOIS, Social and Rural Economy
DEBBASCH, History of Institutions and Social History
DENOYEZ, Roman Law
FEUER, Administrative Law
GROSHENS, Administrative Law
HERAUD, Constitutional Law
LAVIGNE, International Law
LEAUTE, Legislation
MOUSKHELY, Public Law
PALLASSE, Roman Law
REYNAUD, Political Economy
SINAY, Mme, Civil Procedure
WEILL, Advanced and Comparative Civil Law
WEILLER, Civil Law

Faculty of Medicine:
ARON, Histology
BURGER, Obstetrics
CALLOT, Parasitology and Tropical Medicine
CHAUMONT, Forensic and Social Medicine
CHEVALLIER, Biological Physics
CLAVERT, Embryology
FONTAINE, Clinical Surgery
GREINER, Oto-Rhino-Laryngology
GROS, Electro-Radiology
JUNG, Surgical Pathology
KAMMERER, Clinical Psychiatry
KAYSER, Physiology
KLEIN, Medical Biology
LEGAL, Pathological Anatomy
MANDEL, Biochemistry
MARESCAUX, Histology
MARX, Physiology
MAYER, Hematology
METZ, Physiology
METZGER, Therapeutics
MEYER, P., Anatomy
MINCK, Hygiene and Bacteriology
NORDMAN, Clinical Ophthalmology
OUDET, Prevention of Tuberculosis
ROHMER, Clinical Neurology
SACREZ, Children's Diseases
SCHMID, Pharmacology and Experimental Medicine
SEROR, General Surgery
STAHL, Clinical Medicine
STEPHAN, Clinical Medicine
THIEBAUT, Clinical Neurology
TULASNE, Bacteriology
VEDRINE, Stomatology
WAITZ, Hematology
WARTER, Clinical Medicine
WEISS, Surgery
WORINGER, Clinical Dermato-Syphilography

Faculty of Sciences:
ARMBRUSTER, Physics
BENOIT, Physics
BERGER, Mathematics
BERNARD, Mathematical Method in Physics
BOSCHER, Mechanics of Fluids
BRENET, Physical Chemistry
BYE, Mineral and Physical Chemistry
CARTIER, Rational Mechanics
CERF, R., Physics
CHAUVIN, Psychophysiology
COCHE, Nuclear Physics
COGNE, Geology
CUER, Physics
DELUZARCHE, Chemistry
DONNET, Physical Chemistry
EBEL, Biological Chemistry
FORESTIER, Chemistry
FRENKEL, Mathematics
FUCHS, Mathematics
GAGNIEU, Mlle A., Botany
GALLMAN, Physics
GOLDSZTAUB, Mineralogy and Petrography
GORODETZKY, Physics
GREMILLARD, Mathematics
HIRTH, Microbiology
HUGEL, Chemistry of Petroleum
JOLY, Animal Biology
KOSZUL, General Mathematics
LACROUTE, Astronomy
LECOLAZET, Terrestrial Physics
LEVI, General Biology
LEVISALLES, Organic Chemistry
LOMBARD, Organic Chemistry
LONCHAMP, Physics
MAGNAC, Mme, Physics
MAILLARD, Chemistry
MARESQUELLE, Plant Biology
MIALHE, Animal Physiology
MILLOT, Geology and Palæontology
NIKITINE, Physics
NORGUET, Higher Analysis
OURISSON, Chemistry
PARROD, Chemistry
PEREY, Mlle, Nuclear Chemistry
PLUVINAGE, Mathematical Physics
REEB, Topology
ROCHE, Geophysics
ROCHE, Physics of the Earth
ROHMER, Chemistry
ROTHÉ, J., Terrestrial Physics
ROUSSEL, Differential and Integral Calculus, Functions
SACKMANN, Mechanics of Fluids
SAUCIER, Mineralogy
SIGOT, Zoology
STUTINSKY, Physiology
TALANG, Physics
VIVIEN, Zoology and Experimental Embryology
WEY, Chemistry
WURTZ, Biological Chemistry
YOCCOZ, Physics
ZISHMAN, Mathematics

Faculty of Letters:
AMANDRY, Classical Archæology
ANZIEU, Psychology
AUREAS, Italian Language and Literature
BACQUET, English Philology
BÉQUIGNON, Ancient History of Greece and of the Orient
BOURGEY, History of Philosophy
CHARIER, German Philology
DAGENS, Classical French Literature
DOLLINGER, History of Alsace
FOURRIER, 16th Century and Medieval French Language and Literature
FREZOULS, Roman History
FUCHS, German Culture
FUGIER, Mlle, Latin Philology
GALLAIS, Geography
GAULMIER, 19th Century French Literature
GIRAUD, Turcology
GUENEE, Medieval History
GUSDORF, General Philosophy and Logic

GUYARD, 20th Century French Literature
HATT, National and Rhenish Antiquities
JUILLARD, Geography
LAROCHE, Comparative Grammar and Linguistics
LEFEBVRE, Sociology
L'HUILLIER, Contemporary History
LIVET, Modern History
MOIGNET, Romance Philology
MURAT, German Language and Literature
NANDRIS, Rumanian
NEHER, Hebraic Language and Literature
OGUSE, Greek Language and Literature
PARENT, Mlle, History of French Language
POTTIER, Spanish and Italian Philology
POULENARD, Scandinavian Languages
RAYNAL, Geography
REMORDS, English Literature
ROCHEFORT, Regional Geography
ROOS, Comparative Literature
SCHILLING, Latin Language and Civilisation
SCLUMBERGER, History and Civilisation of Byzantium
SCHWARTZ, Greek Language and Papyrology
SIMON, History of Religions
STRAKA, Phonetics
THIRIET, Auxiliary Historical Sciences
TRICART, Geography
TRIOMPHE, Slavonic Philology
UNBEGAUN, Slavonic Philosophy
ZAHAN, Ethnology
ZEHNACKER, Latin

Faculty of Pharmacy:
CORDIER, Pharmaceutical Chemistry
DUQUENOIS, Materia Medica
EBEL, Biochemistry
GAZET DU CHATELIER, Galenic Pharmacy
HASSELMANN, Analysis and Toxicology
JAEGER, Botany
LEDOUX, Natural Sciences
METAIS, Applied Sciences
SARTORY, R., Bacteriology and Cryptogamy
SCHREIBER, Organic Chemistry

Institut de Droit Canonique.
Director: M. METZ.

Observatoire Astronomique: f. 1881.
Director: P. LACROUTE.

Institut d'Etudes Politiques: f. 1945.
Director: M. LAVIGNE.

Ecole Nationale Supérieure de Chimie: f. 1948.
Director: H. FORESTIER.

Centre d'Etudes Germaniques: f. 1948.
Director: Prof. J. MURAT.

Institut de Recherches Nucléaires: f. 1951.
Director: S. GORODETZKY.

Centre Universitaire des Hautes Etudes Européennes.
Director: I. L'HUILLIER.

Institut d'Enseignement Commercial Supérieur: f. 1956.
Director: M. BISCHOFF.

Institut d'Economie appliquée aux Affaires.
Director: M. COULBOIS.

Institut de Promotion Supérieur du Travail: f. 1959.
Director: M. SACKMANN.

Centre International d'Enseignement Supérieur du Journalisme.
Director: M. LEAUTE.

Ecole Supérieure de Chimie de Mulhouse: 24 Quai du Fossé; f. 1822.
Director: M. MEYBECK.

Collège Universitaire de Mulhouse.
Director: M. TAGLANG.

Collège Universitaire de Metz.
Director: M. LONCHAMP.

UNIVERSITÉ DE TOULOUSE

20 RUE SAINT-JACQUES, TOULOUSE

Telephone: 52-64-61.

Founded 1229.

Rector: A. LOYEN.
Secretary: (Vacant).
Librarian: Mlle ARDUIN.

Number of teachers: 548.

Number of students: 12,547 men, 8,581 women, total 21,128.

Publications: *Bulletin de l'Université, Annales de la Faculté des Sciences, Revue Géographique des Pyrénées et du Sud-Ouest, Caravelle (Revue d'Etudes hispaniques)*, etc.

DEANS:

Faculty of Law: Dr. MARTY.
Faculty of Medicine and Pharmacy: Dr. LAZORTHES.
Faculty of Sciences: Dr. BLAIZOT.
Faculty of Letters: Dr. GODECHOT.

PROFESSORS:

Faculty of Law:
BOYER, Civil Law
BRIMO, Public International Law, Public Law
CARTOU, Fiscal Law
CLUSEAU, Political Economy, French Union Law
COUZINET, Administrative Law
DAUVILLIER, Roman Law
DESPAX, Private Law
DUPEYROUX, J., Private Law, Social Security
DUPEYROUX, O., Public Law
HÉBRAUD, Civil Law, Registration, Judicial Institutions
LÉTINIER, Statistics, Demography
MALAFOSSE, DE, History of Private Law
MARTIN DE LA MOUTTE, Civil Law
MARTY, Civil and Industrial Law
MERLE, Penal Law and Criminology
MONTANÉ DE LA ROQUE, Constitutional Law
OURLIAC, History of Codified Law, Social History
PALLARD, Civil Law, Social Security, Communal and Economic Law
SICARD, Roman Law
SIORAT, Public Law
VELLAS, Public Law
VIDAL, Civil Law
VIGREUX, Political Economy, History of Economic Theory
VINCENS, Political Economy

Faculty of Medicine and Pharmacy:
ANDRIEU, Bacteriology, Hygiene and Social Medicine
ARMENGAUD, Infectious Diseases
AUVERGNAT, Physico-Chemistry
BAÏSSET, Applied Physiology and Pharmacology
BARDIER, Clinical Medicine of Early Infancy
BAZEX, Skin and Syphilitic Diseases
BIMES, Histology
BLANC, Pharmaceutical Chemistry
BOUSSIET, Parasitology, Pharmaceutical Hygiene
BOULARD, Medical Pathology
BOURBON, Toxicology, Industrial Hygiene
BROUSSY, Embryology
BRU, Physical Medicine
BUGNARD, Biological Physics
CADENAT, Chemical Odonto-Stomatology
CALMETTES, Clinical Ophthalmology
CALVET, Oto-Rhino-Laryngology and Maxillo-Facial Surgery
CAUJOLLE, Mme, Chemical Pharmacy, Pharmacodynamics
CAUJOLLE, Mme, Natural Sciences
CLAUX, Oto-Rhino-Laryngology
COULOUMA, Anatomy
COUTURIER, Pharmacy
DAMBRIN, Surgical Pathology
DARDENNE, Therapeutics
DARNAUD, Hydropathy and Climatology
DELAS, Natural History
DOUSTE-BLAZY, Biological Chemistry
DULUCO-MATHOU, Mme, Botany and Cryptogramy
ENJALBERT, Mme, Bacteriology
FABRE, J., Pathological Anatomy
FABRE, P., Clinical Surgery and Gynæcology
GADRAT, Clinical Medicine
GÉRAUD, Clinical Neurology and Psychiatry
GRIMOUD, Surgical Pathology
GUILHEM, Clinical Obstetrics
LAGROT, Surgical Pathology
LAPORTE, J., Medical Propædeutics
LAPORTE, Y., Physiology
LAZORTHES, Anatomy
LHEZ, Urinary Diseases
MARQUES, Electroradiology
MERIEL, Clinical Medicine
MONNIER, Social Medicine
MOREL, Pathology and Tuberculosis
PLANQUES, Forensic and Industrial Medicine, Medical Ethics
PONTONNIER, Obstetrics
POUILHES, Applied Anatomy
RIEUNAU, Clinical Traumatology
ROQUES, Botany
ROUX, Zoology
RUFFIE, R., Clinical Rheumatology
SENDRAIL, Pathology and Experimental Medicine
SOREL, R., Clinical Child Medicine
STANISLAS, Galenic Pharmacy
THOMAS, Anatomy
VALDIGUIÉ, Biological Chemistry
VINCENT, Materia Medica
VIRENQUE, Clinical Orthopædic and Child Surgery

Faculty of Sciences:
AGID, Physiology
ANGELIER, Zoology
ASSELINEAU, Biological Chemistry
BEDOS, Chemistry
BIREBENT, Electronics
BLAIZOT, Physiology
BLANC, Nuclear Physics
BOUIGUE, Astronomy
BRUNEL, Botany
CAPDECOMME, Mineralogy
CASTÉRAS, Geology
CATHALA, Chemistry and Chemical Engineering
COMBES, Rational and Applied Mechanics
COUCHET, Physics
DESSENS, Geophysics
DIEHL, Agronomy
DUPIN, Radioelectricity
DUPOUY, Physics

DURAND, E., Physics, Electronics
ESCANDE, Mechanics, Industrial Electricity
FARRAN, Geochemistry
FERRE, Mlle DE, Botany
FERT, Physics, Electronics
GALLAIS, Chemistry
GARDY, Chemical Engineering
GAUTIER, Propædeutic Physics
GOUYON, Mechanics
HURON, Applied Mechanics and Applied Analysis
LAFOURCADE, Physics
LAGASSE, Electrotechnics
LALAGUE, Mathematics
LASCOMBES, Botany
LAUDET, Physics
LEDOUX, Etomology
LEJEUNE, Chemistry
LELUBRE, Geology
LEREDDE, Botany
LESBRE, Chemistry
MARGULIS, Pedology
MASDUPUY, Propædeutic Chemistry
MATHIS, Chemistry
MAURET, Chemistry
MONTANT, Cryptogramy
NOUGARD, Hydraulics
NOUVEL, General Biology
ORLIAC, Mineralogy
PERRIER, Physics
RIVALS, Agriculture
SERFATY, Animal Biology
TEISSIÉ-SOLIER, Industrial Electricity and Fluid Mechanics
TRICHE, Spectrography
TROCHAIN, Botany
VANDEL, Zoology
VOIGT, Chemistry

Faculty of Letters:
BASTIDE, Philosophy and Psychology
BLANCHÉ, Philosophy and Psychology
CARRIÈRE, Greek
DECAUDIN, Modern French Literature
DEFOURNEAUX, Modern and Contemporary History
DELORME, Greek History
DENONAIN, English Language and Literature
DUPONT, English Language and Literature
FROMILHAGUE, French
GODECHOT, Modern and Contemporary History
GUINARD, History of Modern Art
KAYSER, Geography
KRYNEN, Spanish Language and Literature
LACOMBRADE, Greek
LAUMONIER, Greek and Classical Antiquities
LEBOIS, French Language and Literature
MALRIEU, Psychology and Education
MAURO, Modern History
MÉRIMÉE, Spanish Language and Literature
MONCHOUX, French
MONSUEZ, Latin Language and Literature
NOUGIER, Archæology, Ethnography, Anthropology
NOUGUE, Spanish Language and Literature
ROCHE, Portuguese
SÉGUY, Old French
TAILLEFER, Geography
VIERS, Geography
WOLFF, Medieval History, History of Southern France
YACONO, History of Colonisation

Ecole Nationale Supérieure d'Electrotechnique, d'Electronique et d'Hydraulique de Toulouse: 2 rue Camichel, Toulouse.
Director: L. ESCANDE.

Institut de Mécaniques Fluides.
Director: L. ESCANDE.

Ecole National Supérieure de Chimie: 38 rue des Trente-Six-Ponts, Toulouse.
Director: M. VOIGT.

Ecole Nationale Supérieure Agronomique: 145 avenue de Muret, Toulouse.
Director: R. DIEHL.

Station d'Hydrobiologie et de Pisciculture: 145 avenue de Muret, Toulouse.
Director: R. DIEHL.

Institut National des Sciences Appliquées: Toulouse-Rangueil.
Director: J. FARRAN.

Ecole Nationale Vétérinaire: Chemin du Calquet, Toulouse-Lardenne.

Ecole Nationale d'Ingénieurs de Constructions Aéronautiques: 49 avenue Léon Blum, Toulouse.

Ecole Supérieure de Commerce: 32 rue de la Dalbade, Toulouse.

Ecole des Beaux-Arts et des Arts Appliqués.

Conservatoire National de Musique.

Institut Catholique: 31 rue de la Fonderie, Toulouse.

Ecole Supérieure d'Agriculture de Purpan.

STATE COLLEGES AND INSTITUTES

GENERAL

Collège de France: 11 place Marcelin-Berthelot, Paris 5e; Tel. ODE 81-60; f. 1530 by François I.
Director: E. WOLFF.
Deputy Director: R. LABAT.
Treasurer: E. BIED.
Secretary: P. DEVELAY.

The library consists of 85,000 volumes.

Number of teaching staff: 52 professors.

Publications: *Annuaire, Leçons inaugurales des professeurs.*

PROFESSORS:

Science:
ABRAGAM, Nuclear Magnetism
BENOIT, Histo-Physiology
COURRIER, Experimental Morphology and Endocrinology
FESSARD, General Neurophysiology
HALPERN, Experimental Medicine
HOREAU, Organic Chemistry of Hormones
JACOB, Cellular Genetics
LALLEMAND, Physical Methods of Astronomy
LAVAL, Theory of Physics
LEPRINCE-RINGUET, Nuclear Physics
LERAY, Differential and Functional Calculus
LICHNEROWICZ, Mathematical Physics
MANDELBROJT, Mathematics and Mechanics
PECKER, Theoretical Astronomy
PERRIN, Atomic Physics
PREWTKI, Theoretical Physics of Particles
ROCHE, General Biochemistry
SERRE, Algebra and Geometry
WOLFF, Experimental Embryology

Letters:
BENVENISTE, Comparative Grammar
BERQUE, Social History of Modern Islam
BLIN, French Modern History
BRAUDEL, History of Modern Civilisation
CHEVALIER, History and Social Structure of Paris and the Parisian Region
COURCELLE, Latin Literature
DION, Historical Geography of France
DUMÉZIL, Indo-European Civilisation
DUPONT-SOMMER, Hebrew and Aramaic
DUVAL, Archæology
FILLIOZAT, Indian Languages and Literature
GAGÉ, Roman Civilisation
GIRAUD, History of North American Civilisation
GOUROU, Tropical Studies
GRABAR, Byzantine and Paleochristian Archæology
HUYGHE, Psychology of the Plastic Arts
HYPPOLITE, History of Philosophical Thought
LABAT, Assyriology
LAOUST, Sociology of Islam
LECOY, French Language and Literature in the Middle Ages
LÉVI-STRAUSS, Social Anthropology
MINDER, Languages and Literature of German origin
MUS, Far-Eastern Civilisations
PERROUX, Economic and Social Affairs
POSENER, Egyptian Philology and Archæology
PUECH, History of Religions
ROBERT, Greek Antiquities and Epigraphy
SAUVY, Social Demography
SCHAEFFER, Archæology of Western Asia
VUILLEMIN, Philosophy of Knowledge

Ecole Pratique des Hautes Etudes: Sorbonne, 45–47 rue des Ecoles, Paris 5e; f. 1868; Section of Historical and Philological Sciences, Pres. P. CHANTRAINE; Section of Religious Sciences, Pres. P. VIGNAUX; Section of Mathematical Sciences, Pres. P. MONTEL; Section of Physical and Chemical Sciences, Pres. J. WYART; Section of Natural Sciences, Pres. M. FESSARD; Section of Economic and Social Sciences, Pres. F. BRAUDEL.

ADMINISTRATION

Ecole Nationale d'Administration: 56 rue des Saints-Pères, Paris 7e; f. 1945 to provide training for the

higher ranks of the Civil Service; Dir. BOURDEAU DE FONTENAY; Sec.-Gen. M. HEDOIN.

Institut des Hautes Etudes d'Outre-Mer: 2 avenue de l'Observatoire, Paris 6e; f. 1959 as successor to Ecole Nationale de la France d'Outre-Mer (formerly Ecole Coloniale), library of 80,000 vols.; trains higher ranks of the administration of Member States of the French Community in Africa and Madagascar, at their request; administrative, legal, social, economic, financial and diplomatic sections; Dir. J. BAILLOU.

AGRICULTURE, FORESTRY, VETERINARY SCIENCE

Ecole Nationale des Eaux et Forêts: 14 rue Girardet, Nancy (Meurthe-et-Moselle); f. 1824; library of 25,000 vols. and 900 periodicals; forestry research and training of State and civilian forestry engineers; Dir. R. VINEY; publs. *Annales de l'Ecole Nationale des Eaux et Forêts* (quarterly), *Revue forestière française* (monthly).

Ecole Nationale du Génie Rural: 19 avenue du Maine, Paris 15e; for the training of State agricultural and civil engineers; Dir. P. BECKER.

Institut National Agronomique: 16 rue Claude Bernard, Paris 5e; f. 1876; library of 30,000 vols. and 20,000 periodicals; Dir. R. BLAIS; Dir. of Studies P. TISSOT; publ. *Annales* (annually); includes **Ecole Nationale Supérieure des Sciences Agronomiques Appliquées.**

Ecole Supérieure d'Agronomie Tropicale: 45 *bis* avenue de la belle Gabrielle, Nogent-sur-Márne; training in tropical agriculture; Dir. F. CIOLINA.

Ecole Nationale Supérieure Agronomique de Grignon: Commune de Thiverval-Grignon (Seine-et-Oise); f. 1826; library of 25,000 vols.; Dir. M. DER KHATCHADOURIAN.

Ecole Nationale Supérieure Agronomique de Montpellier: place P.-Viala, Montpellier; Dir. G. BUCHET.

Ecole Nationale Supérieure Agronomique de Rennes et Centre de Recherches Agronomiques de l'Ouest: 65 route de Saint-Brieuc, Rennes; f. 1830; library of 20,000 vols.; Dir. P. MATAGRIN; publ. *Annales* (irreg.).

Ecole Nationale Supérieure des Industries Agricoles et Alimentaires: au C.E.R.D.I.A., Le Noyer Lambert, Massy (Seine-et-Oise); f. 1893; Dir. M. BONASTRE; research centre, rue de l'Université, Douai (Nord); Dir. M. CLAVEAU.

Ecole Nationale Supérieure d'Horticulture de Versailles: 4 rue Hardy, Versailles (Seine-et-Oise); f. 1873; Dir. E. LE GUELINEL.

Ecole Nationale Vétérinaire d'Alfort: avenue Général de Gaulle, Alfort (Seine); f. 1765; Dir. Prof. R. FERRANDO; 32 teachers; library of 72,000 vols.

Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux: 10 rue Pierre Curie, Maisons-Alfort (Seine); f. 1948; Dir. J. PAGOT; publs. *Revue d'Elevage et de Médicine Vétérinaire des Pays Tropicaux* (quarterly).

Ecole Nationale Vétérinaire de Lyon: 2 quai Chauveau, Lyon (Rhône); f. 1762; library of 10,000 vols.; Dir. Prof. FLORIO; teaching personnel 28; publs. *Revue de Médecine Vétérinaire* (monthly), *Bulletin des Sciences Vétérinaires de Lyon* (fortnightly).

Ecole Nationale Vétérinaire de Toulouse: Toulouse (Haute-Garonne); f. 1828; library of 50,000 vols.; Dir. E. DARRASPEN; Sec. H. DURAND; Librarian Prof. C. LOMBARD; teaching personnel 25; publ. *Revue de Médecine Vétérinaire* (monthly).

ECONOMICS, STATISTICS

Ecole d'Application de l'Institut National de la Statistique et des Etudes Economiques: 212 rue de l'Université, Paris 7e; f. 1942; Dir. M. MORICE.

GEOGRAPHY

Ecole Nationale des Sciences Géographiques: 2 avenue Pasteur, Saint-Mandé (Seine); f. 1941; administered by Institut Géographique National; 175 students; specialised library of 35,000 books, 800,000 maps, 2,000,000 aerial photographs; Dir. S. DE BROMMER.

HISTORY

Ecole Nationale des Chartes: 19 rue de la Sorbonne, Paris 5e; f. 1821, reorganised 1846; library of 80,000 vols.

Director: P. MAROT.

Secretary and Librarian: E. POULLE.

Number of students: 100.

Publication: *Bibliothèque de l'Ecole des Chartes* (annual) (Editor-Librarian M. DIDIER).

PROFESSORS:

BAUTIER, R.-H., Diplomacy
FRANÇOIS, M., History of French Institutions
HUBERT, J., Archæology of the Middle Ages
JOÜON DES LONGRAIS, F., History of Law
MAROT, P., Bibliography and Archives of French History
MONFRIN, J., Romance Philology
PERRAT, CH., Palæography
VERNET, A., Sources of French History

MEDICINE

Ecole d'Application du Service de Santé militaire: 277 *bis* rue Saint-Jacques, Paris 5e; mainly one-year graduate courses.

Ecole Nationale de la Santé Publique: boulevard Saint Jean-Baptiste de la Salle, Rennes; Secretariat: 1 rue de Tilsitt, Paris 13e; Dir. Prof. J. SENECAL.

NATURAL HISTORY

Muséum National d'Histoire Naturelle: 57 rue Cuvier, Paris 5e; f. 1635; Dir. R. HEIM.

PROFESSORS:

ANTHONY, J., Comparative Anatomy
AUBREVILLE, A., Phanerogamy
BALACHOWSKY, A., General and Applied Entomology
BALOUT, L., Prehistory
CHABAUD, A., Worms
DELAMARE DEBOUTTEVILLE, C., General Ecology
DORST, J., Zoology of Mammals and Birds
FISCHER, E., Malacology
FONTAINE, M., General and Comparative Physiology
GUIBÉ, J., Zoology of Reptiles and Fishes
HAMEL, J.-L., Applied Vegetable Biology
HEIM, R., Cryptogamy
LACOMBE, H., Physical Oceanography
LAFITTE, R., Geology
LE GRAND, Y., Physics Applied to Natural History
LEHMAN, J.-P., Palæontology
MENTZER, C., Chemistry Applied to Inorganic Bodies
MILLOT, J., Ethnology of Modern and Prehistoric Man
MONOD, T., Oversea Fish
NOUVEL, J., Behaviour of Wild Animals
ORCEL, J., Mineralogy
PORTÈRES, R., Ethnobotany
SADRON, C., Biophysics
VACHON, M., Arthropods

ORIENTAL LANGUAGES

Ecole Nationale des Langues Orientales Vivantes: 2 rue de Lille, Paris 7e; f. 1795; faculties of languages and civilisations of West Asia and Africa; the Far East, India and Oceania; Eastern Europe; library of 300,000 vols. and 200 MSS.; over 2,500 students, 47 teachers, 63 lecturers; Dir. A. MIRAMBEL; Sec. Mme JEANNINE FIATTE; Keeper of the Library Mme COLETTE MEUVRET.

TECHNOLOGY

Conservatoire National des Arts et Métiers: 292 rue St. Martin, Paris 3e; f. 1794; library of 100,000 vols.; Mathematics, Mechanics, Chemistry, Industrial Arts, Economics, Statistics, Organisation of Labour; staff: 50 teachers; Dir. M. GUÉRIN; Dep. Dir. P. GUÉRIN; Librarian Mme CLAUDEO MICHEL; Sec.-Gen. J. LARCEBEAU.

Ecole Centrale des Arts et Manufactures: 1 rue Montgolfier, Paris 3e; f. 1829; engineering school; 760 students; Dir. J. FOUGEROLLES.

Ecole Française de Meunerie: 16 rue Nicolas-Fortin, Paris 13e; f. 1924; grain-milling technology; Dir. A. GAUDIN.

Ecole Nationale de l'Aviation Civile: P.O. Box 107, Aéroport d'Orly (Seine); f. 1948; Dir. M. MANUEL; Sec. M. NEMIROVSKY.

Ecole Nationale d'Ingenieurs Arts et Métiers: 8 boulevard Louis 14e, Lille; f. 1881; 335 students; Dir. M. MAURICE.

Ecole Nationale d'Ingénieurs Arts et Métiers: 151 boulevard de l'Hôpital, Paris 13e; Dir. M. WATTEBLED.

Ecole Nationale de Radiotechnique et d'Electricité Appliquée (ENREA): 107 boulevard Maréchal Leclerc, Clichy (Seine); f. 1941; Dir. F. LARBEC.

Ecole Nationale Supérieure de l'Aéronautique: 32 boulevard Victor, Paris 15e; f. 1909; library of 35,000 vols., 150 students; Dir. M. DE VALROGER;

General Secretary: M. BOURDON.
Librarian: Mlle ENJOLRAS.
Number of students: 240 (approx.).

Ecole Nationale Supérieure des Arts et Industries Textiles de Roubaix: place des Martyrs de la Résistance, Roubaix (Nord); f. 1883; library of 18,000 vols.; Dir. L. TEXIER.

Ecole Nationale Supérieure de Céramique Industrielle de Sèvres: 6 Grande-Rue, Sèvres (Seine-et-Oise); f. 1893; Dir. M. CEINTURET; publ. *Annuaire*.

Ecole Nationale Supérieure du Génie Maritime: 3 avenue Octave-Gérard, Paris 7e; f. 1765; Dir. L. POIRIER.

Ecole Nationale Supérieure de Mécanique: 3 rue Maréchal-Joffre, Nantes; f. 1919; 718 students; Dir. Y. PIRONNEAU; publ. *Annales de l'E.N.S.M.*

Ecole Nationale Supérieure des Mines de Paris: 60 boulevard Saint-Michel, Paris 6e; f. 1783 by the chemist and mineralogist, Sage.
Director: R. FISCHESSER, General Engineer of Mines.
Sub-Director: P. LAFITTE.
Director of Studies: L. VIELLEDENT, Chief Mining Engineer.

Ecole Nationale Supérieure des Télécommunications: 46 rue Barrault, Paris 13e; Dir. M. BRAMEL DE CLEJOULX; Dir. of Studies M. HILBERT.

Lycée Technique d'Etat de Cluses: 1 Ave. Ch.-Poncet, Cluses (Haute Savoie); f. 1848; clock-making, precision micromechanics; Dir. A. PONCET.

Lycée Technique d'Etat d'Horlogerie de Besançon: rue Pierre-Leroy/rue Edmond-Labbé, Besançon (Doubs); Dir. A. BERGER.

Lycée Technique d'Etat "La Martinière": 9 rue des Augustins, Postal Box No. 52, Lyon-Terreaux (Rhône); male students only; Dir. R. GAZET.

Ecole Nationale des Ponts et Chaussées: 28 rue des Saints-Pères, Paris 7e; f. 1747; Civil Engineering; library of 190,000 vols.; 160 students, 29 teachers; Dir. A. BRUNOT; Vice-Dir. M. WENNAGEL; Sec.-Gen. C. SCEMAMA; publ. *Annales des Ponts et Chaussées* (bi-monthly).

Ecole Polytechnique: 21 rue Descartes, Paris 5e; f. 1794.
Director: Général GAZELLES.
Director of Education: R. CHERADAME.
Librarian: M. MOREAU.
Number of teachers: 130.
Number of students: 650.

PROFESSORS:

BRARD, Applied Mathematics
DUMONTIER, Economics
FAVARD, Mathematical Analysis
FONTANAROSA, Artistic Drawings
GREGORY, Physics
GRISON, Chemistry
JACQUE, Chemistry
LEGRAND, Mathematical Analysis
LEPRINCE, Physics
LOPEZ, Architecture
MANDEL, Mechanics
MORAZE, History and Literature
ROY, Mechanics
SCHWARTZ, Mathematical Analysis
TARDI, Astrophysics
VIGNAL, Physics

Ecole Normale Supérieure de l'Enseignement Technique: 61 avenue du Président Wilson, Cachan (Seine); f. 1893; Dir. M. BASQUIN.

Ecole Spéciale des Travaux Publics, du Bâtiment et de l'Industrie: 57 boulevard St. Germain, Paris 5e; f. 1891; Pres.-Dir. Gen. M. EYROLLES; 2,500 students; 347 professors.

Ecole Supérieure de Géometres et de Topographes: 292 rue Saint-Martin, Paris 3e; Dir. R. MARTIN; 100 students.

Ecole Supérieure Textile: 43 cours General-Giraud, Lyon; f. 1884; library of 14,000 vols., 8,000 patents; general tuition in mechanics, machinery technology and in all aspects of the textile industry; Dir. P. LAMOUR.

Institut Supérieur des Matériaux et de la Construction Mécanique: 4 rue Gambetta, Saint-Ouen (Seine); f. 1948; Dir. P. LEMARESQUIER; Dir. of Research P. SORIN.

Institut Français du Pétrole des Carburants et Lubrifiants: 1 and 4 avenue de Bois-Préau, Rueil-Malmaison (Seine-et-Oise); f. 1945.

Ecole Nationale Supérieure du Pétrole et des Moteurs à Combustion Interne: 1 et 4 avenue de Bois Préau, Rueil-Malmaison (Seine-et-Oise); Dir. E. VELLINGER; the school has five centres, concerned respectively with geological and geophysical prospecting, drilling and exploitation, refining, chemical engineering, internal combustion engines, the application of petroleum products and petroleum economics.

Institut Polytechnique: Grenoble; Dir. L. NÉEL.

CATHOLIC COLLEGES AND INSTITUTES

GENERAL

INSTITUT CATHOLIQUE DE PARIS

21 RUE D'ASSAS, PARIS 6
Telephone: 222-41-80.
Founded 1875.

Rector: Mgr. E. BLANCHET.
Vice-Rector: Mgr. P. DERUMAUX.
General Secretary: G. PLANES.
Head Librarian: Rev. A. SALLES.

The library contains 500,000 volumes.
Number of teaching staff: 701, including 81 professors.
Number of students: 10,000.

DEANS:

Faculty of Theology: Rev. J. DANIELOU.
Faculty of Canon Law: Mgr. P. ANDRIEU-GUITRANCOURT.
Faculty of Philosophy: M. L'Abbé J. CHÂTILLON.
Faculty of Law: P. DE FONT-RÉHULX.
Faculty of Letters: M. FRANÇOIS.
Faculty of Sciences: Rev. P. MASTAGLI, S.J.

PROFESSORS:

Faculty of Theology:
ANDRIEU-GUITRANCOURT, Canon Law
CAZELLES, Holy Scripture—Old Testament
DANIÉLOU, Early Christianity and Patristic Theology
FEULLET, Holy Scripture—New Testament
HENRY, General Dogmatics
HOLSTEIN, General Dogmatics
JARRY, Medieval History
LAVALETTE, DE, Dogmatic Theology
MARCHASSON, Ecclesiastical History
POULAIN, Biblical Greek
TESSON, Practical Moral Theology

Faculty of Canon Law:
ANDRIEU-GUITRANCOURT
BRULLIARD
CORTEEL
DENIS
FEGHALI
GUIBAL
LEFEBVRE
LE ROY
MONLÉON, DE

Faculty of Philosophy:
BESSON, Experimental Psychology
BRETOW, Ontology and Theodicy
CADIOU
CHÂTILLON, Medieval History
DUBARLE, Critique of Science
GRENET, History of Greek Philosophy

LATOUR, Latin Literature
MONLÉON, DE, Ethics and Sociology
VERNEAUX, Critique of Knowledge

Faculty of Law:
ARRIGHI, Political Economy
AZARD, Civil Law
BARBIER, Civil Law
BLANCHER, Financial Legislation
BRULLIARD, Civil Procedure and its Application, Maritime Law
CASENS, Criminal Law
CÉDIÉ, Constitutional Law
DAUPHIN-MEUNIER, Political Economy
FLINIAUX, History of Law
FONT-RÉAULX, DE, Administrative Law
GUERIN, Civil Law
GUIBAL, Roman Law
IMBERT, Public Law
KUHW, Criminal Law
LELHART, Political Economy
LE TARNEC, Civil Law
MALMEZAT, History of Modern Social Institutions
PARMENTIER, Civil Law
RABEIL, Political Economy
REGLADE, Civil Law
RICHARD, Criminal Law
ROUVIERE, Public Law
TRICAUD, Public International Law
VANEL, Civil Law

Faculty of Letters:
BERTIER DE SAUVIGNY, DE, Modern and Contemporary History
CANIVET, Greek Christianity
DELACROIX, Latin Epigraphy
DELTEIL, English Language
DHEILLY, Greek and Roman History
FRANÇOIS, Medieval History
FRAZÉE, American Literature
GUIGNIER, Physical and Regional Geography
JACQUIN, Italian Language and Literature
JARRY, Medieval History
LEMAITRE, French Literature
LESOURD, History of Missions, Modern and Contemporary History
LOLOUM, English Language and Literature
MARBACH, German Language and Literature
MARICHAL, Medieval French Language and Literature
MULLER, French Literature and Modern Philology
PLASSE, DE, Geography
POULAIN, Greek
TESTARD, Latin Language and Literature
VERHEIJEN, Latin Language and Literature

Faculty of Sciences:
AUGIER, Botany
BOOS, General Mathematics
BORDET, Mineralogy
LAMURE, General and Mineral Chemistry
LAPPARENT, DE, Geology
MASTAGLI, Organic Chemistry
PARODI, General Physics
QUILLET, Plant Physiology
SEGARD, General Physics

FACULTÉS CATHOLIQUES DE LILLE

60 BOULEVARD VAUBAN, LILLE

Telephone: 57-28-00.

Founded 1875 as Faculty of Law, became university institution in 1877.

Rector: G. LECLERCQ.
Vice-Rector: G. LEPOUTRE.
Secretary-General: M. LEMAIRE.
Librarian: L. GAILLARD.

Library: nearly 500,000 volumes.
Number of teachers: over 300.
Number of students: 4,000.

DEANS:

Faculty of Theology: J. LIEBART.
Faculty of Law: M. FALISE.
Faculty of Medicine and Pharmacy: J. CAMELOT.
Faculty of Letters: M. SPANNEUT.
Faculty of Science: N. SEGARD.

FACULTÉS CATHOLIQUES DE LYON

25 RUE DU PLAT, LYON

Telephone: 37-12-76.

Founded 1875.

Rector: Abbé H. HOESTLANDT.

Library: 240,000 volumes.
Number of teachers: 168, including 72 professors.
Number of students: 1,632 men, 1,388 women, total 3,020.

DEANS:

Faculty of Theology: M. JOURJON.
Faculty of Canon Law: Mgr. A. BRIDE.
Faculty of Philosophy: R. LE TROQUER.
Faculty of Law and Economics: M. CHAVRIER.
Faculty of Letters: P. GALLAY.
Faculty of Science: R. RICARD.

INSTITUT CATHOLIQUE DE TOULOUSE

31 RUE DE LA FONDERIE, TOULOUSE

Telephone: CA 07 69.

Founded 1877 and administered by a Council of Bishops of the region.

Rector: Mgr. DUCROS.
Secretary-General: G. DELPRAT.

Library: over 150,000 volumes.
Number of teachers: 35, including 16 professors.
Number of students: 1,195.

DEANS:

Faculty of Theology: E. GRIFFE.
Faculty of Canon Law: A. BOCQUET.
Faculty of Philosophy: A. ETCHEVERRY.
Faculty of Letters: N. RICHARD.
College of Science: M. BERGOUNIOUX.

UNIVERSITÉ CATHOLIQUE DE L'OUEST

PLACE ANDRÉ LEROY, B.P. 858, ANGERS

Telephone: 87-24-28.

Founded 1876, under the patronage of the Bishops of the western region of France.

Chancellor: Mgr. MAZERAT.
Rector: Mgr. HONORE.
Secretary-General: Canon BRICARD.
Librarian: M. LAMORCIÈRE.

Number of teachers: 306.
Number of students: 2,800.
Publications: *Annuaire*, *Revue* (quarterly).

DEANS:

Faculty of Theology: Mgr. LUSSEAU.
Faculty of Law: M. DUMAS.
Faculty of Letters: Canon JAGU.
Faculty of Sciences: Rev. TURPIN.

INDEPENDENT INSTITUTES

Biology

Ecole d'Anthropologie: 1 place Jéna, Paris 5e; f. 1876 by Prof. Broca; Pre-History, Anatomical Anthropology, Zoology, Ethnology, Biology, Heredity, Endocrinology, Immunology, Ethnography, Demography, Dietetics, Psychology, Criminology, Anthropotechnics; Dir. Dr. J. A. Huet.

Ecole Supérieure de Biochemie et de Biologie: 5 quai aux Fleurs, Paris 4e; Dir. R. Castan.

Institut de Biologie Sociale et d'Hygiène Mentale: 1 rue Cabanis, Paris 14e; Dir. J. J. Rondepierre.

Institut Océanographique: 195 rue Saint Jacques, Paris 5e; f. 1906 by Prince Albert I of Monaco; library of 2,500 vols.; Pres. J. Delorme; Dir. Prof. M. Fontaine; Sec. R. Richet; Librarian Mlle Millon; publs. *Annales*, *Bulletin*; associated with the Institute is:

Musée Océanographique de Monaco: Monaco; f. 1899 by Prince Albert I of Monaco; library of 20,000 vols.; includes an aquarium, 30 laboratories, and 2 ships; Dir. Commandant J. Y. Cousteau.

Institut de Paléontologie Humaine: 1 rue René Panhard, Paris 13e; f. 1914 by Prince Albert I of Monaco; library of 25,000 vols.; Dir. H. Vallois; publ. *Archives*.

Chemistry

Ecole Supérieure Libre de Chimie de Paris: 21 rue Joubert, Paris 9e; Dir. of Studies R. Daudel.

Commerce

Ecole Supérieure de Commerce: 79 avenue de la République, Paris 11e; f. 1820; Dir. R. Villemer.

Ecole Supérieure de Commerce de Montpellier: 2 rue Saint-Pierre Montpellier, Hérault; f. 1897; Dir. C. Vabre; 70 professors; 168 students; three-year courses in political economics, economic geography, social sciences, advanced mathematics, general technology.

Ecole des Hautes Etudes Commerciales: 43 rue de Tocqueville, Paris 17e, and Jouy en Josas (S. & O.); f. 1881; Dir. M. G. Lherault.

Ecole Supérieure des Industries du Vêtement: 79 avenue de la République, Paris 11e; Dir. R. Villemer.

Ecole Nouvelle d'Organisation Economique et Sociale (E.N.O.E.S.): 62 rue de Miromesnil, Paris 8e; f. 1937; courses in business administration and accountancy; Gen. Administrator R. Buron; Dir. of Studies G. Fain; publ. *La Vie de l'E.N.O.E.S.*

Culture

Institut Britannique: 6 rue de la Sorbonne, Paris 5e; f. 1927; Dir. F. H. Scarfe, M.A., M.LITT., F.R.S.L.; total number of students approaches 6,000; provides courses complementary to those of the Faculty of Letters of the University of Paris, in both French and English; library of 15,000 vols. (mainly in English).

Dental

Centre Français de Documentation Odonto-Stomatologique: 45 rue de la Tour d'Auvergne, Paris 9e; library of 11,000 vols., 8,000 pamphlets; Dir. L. Verchere; publ. *Revue Française d'Odonto-Stomatologie* (monthly).

Ecole Dentaire Française: 29 boulevard Saint-Martin, Paris 3e; Dir. C. Even, D.D.S.

Ecole de Chirurgie Dentaire et de Stomatologie de Paris: 45-47 boulevard Voltaire, Paris 11e; f. 1927; Dir. M. J.-F. Robert.

Ecole Odontologique de Paris: 5 rue Garancière, Paris 6e; f. 1883; Dir. P. Pelletier-Dutemple.

Economics, Statistics

Centre de Formation aux Applications Industrielles de la Statistique: 9 quai-Bernard, Paris 5e; Dir. D. Dugue; publ. *Revue de Statistique Appliquée*.

Institut de Science Economique Appliquée: 35 boulevard des Capucines, Paris 2e, and 15 Queensberry Place, London, S.W.7; f. 1944; Dir. F. Perroux; publs. *Economie Appliquée* (quarterly), *Cahiers*, Series *Theoria* and *Pragma*.

Law

Ecole de Législation Professionnelle: 12 rue Béranger, Paris 3e; f. 1905; Dir. G. Rigoir.

Ecole de Notariat de Paris: 127 rue Notre-Dame des Champs, Paris 6e; f. 1896; Dir. M. P. Mathieu.

Ecoles Polytechniques de Notariat, de Droit, de Procédure et d'Assurances: 76 rue Bonaparte, Paris 6e; Dir. M. Gallet.

Political Science

Académie Internationale de Science Politique et d'Histoire Constitutionnelle en Sorbonne: 88 boulevard Péreire, Paris 17e; f. 1936; Pres. L. J. de la Morandière; Gen. Secs. H. de Montfort, G. Langrod; publ. *Politique* (3rd series).

Ecole des Hautes Etudes Internationales: 44 rue de Rennes, Paris 6e; f. 1924; Pres. J. Rolland; Dir. A. le Jules.

Ecole Supérieure de Journalisme: 44 rue de Rennes, Paris 6e; f. 1899; Pres. J. Rolland; Dir. A. le Jules.

Religion

Institut de Théologie Orthodoxe: 93 rue de Crimée, Paris 19e; f. 1925; 12 professors and 33 students; library of 15,000 vols; Rector Dean Arch. A. Kniazeff.

Institut Orthodoxe Français de Paris: 96 boulevard Auguste-Blanqui, Paris 13e; Faculties of Theology and Philosophy.

Faculté Libre de Théologie Protestante de Paris: 83 boulevard Arago, Paris 14e; f. 1877; Religious History, Old and New Testament, Ecclesiastical History, Systematic Theology, Philosophy, Practical Theology, Hebrew, Greek, German, English; library of 40,000 vols.; 9 professors, 70 students; Dean M. Lods; Sec. F. Michaeli.

Séminaire Israélite (Ecole Rabbinique de France: 9 rue Vauquelin, Paris 5e; f. 1829; Dir. Grand Rabbi H. Schilli.

Social Sciences

Ecole des Hautes Etudes Sociales: 44 rue de Rennes, Paris 6e; f. 1899; Pres. J. Rolland; Dir. A. Le Jules.

Collège Européen des Sciences Sociales et Economiques: 184 boulevard Saint-Germain, Paris 6e; f. 1952; annual international meetings to discuss problems of contemporary European life.

Collège Libre des Sciences Sociales et Economiques: 184 boulevard Saint-Germain, Paris 6e; f. 1895; composed of four sections, social, economic, international and public relations; evening and correspondence courses; diplomas conferred after two or three years' study, and submission of thesis on some aspect of applied economics; Pres. J. Rueff; Dir. L. de Sainte-Lorette.

Technical

Ecole Catholique des Arts et Métiers: 24 montée Saint-Barthélemy, Lyons; f. 1900; 280 students, 30 professors; courses in electro-technics, mechanics, metallurgy, chemistry and physics; Dir. L. Boeglen.

Ecole Spéciale des Travaux Aéronautiques: 151 boulevard de l'Hôpital, Paris 13e; f. 1930; Dir. M. Wattebled.

Ecole Spéciale d'Architecture: 254 boulevard Raspail, Paris 14e; Dir. C. Recoux.

Ecole Supérieure du Bois: 6 avenue de Saint-Mandé, Paris 12e; f. 1934; Dir. J. Campredon.

Ecole d'Enseignement Technique de l'Institut Français du Caoutchouc: 42 rue Scheffer, Paris 16e; f. 1941; Dir. R. HUBLIN.

Ecole de Thermique: 3 rue Henri Heine, Paris 16e; Dir. M. FISCHER.

Institut des Hautes Etudes Cinématographiques: 92 avenue des Champs-Elysées, Paris 8e; Dir. R. TESSONNEAU.

Ecole d'Electricité Industrielle de Paris (Ecole Charliat): 1 *bis* passage Duhesme, Paris 18e; f. 1901; Dir. M. SAINTE MARIE.

Ecole d'Electricité et de Mécanique Industrielles (Ecole Violet): 115 avenue Emile Zola, Paris 15e; f. 1902; Dir. M. PLAGE.

Ecole Spéciale de Mécanique et d'Electricité A.-M.-Ampère: 4 rue Blaise-Desgoffe, Paris 6e; Dir. P. DOCEUL.

Ecole Breguet (Electromécanique et Electronique): 81-91 rue Falguière, Paris 15e; f. 1904; Dir. J. FORGERON.

Ecole Supérieure d'Electricité: 10 avenue Pierre Larousse, Malakoff (Seine); f. 1894; two- or three-year courses in electrical engineering, radio engineering and electronics; 760 students; Dir. P. OLMER.

Ecole Supérieure de Fonderie: 278-284 avenue Aristide Briand, Bagneux (Seine); f. 1923; Dir. J. LAINÉ.

Ecole Supérieure Textile: 43 cours General-Giraud, Lyons; f. 1884; general tuition in mechanics, machinery technology and in all aspects of the textile industry; Dir. P. LAMOUR.

Institut Textile de France: 59 rue de la Faisanderie, Paris 16e.

Ecole Technique Supérieure du Laboratoire: 93 and 95 rue du Dessous-des-Berges, Paris 13e; f. 1934; Dir. J. LAISSUS.

Ecole Française de Meunerie: 16 rue Nicolas-Fortin, Paris 13e; f. 1924; Dir. A. GAUDIN.

Ecole Supérieure d'Optique: 3 and 5 boulevard Pasteur, Paris 15e; f. 1921; 100 mems.; Dir.-Gen. P. FLEURY; Dir. of Laboratories A. ARNULF.

Institut d'Optique Théorique et Appliquée: 3 and 5 boulevard Pasteur, Paris 15e; Dir.-Gen. P. FLEURY.

Ecole Supérieure d'Optométrie: 70 boulevard de Courcelles, Paris 17e; f. 1942; Dir. of Studies M. SAINT-MAXEN; Adm.-Dir. G. N. ROOSEN.

Centre de Perfectionnement dans l'Administration des Affaires: 16 rue Châteaubriand, Paris 8e; f. 1930; Dir. P. JOLLY.

Centre de Perfectionnement Technique: 28 rue Saint-Dominique, Paris 7e; Pres. R. DELSOL.

Ecole Polytechnique Féminine: 3 *bis* rue Lakanal Sceaux (Seine); Dir. Mlle L. PARIS, Ing. I.E.G.

Ecole Française de Radioélectricité et d'Electronique: 10 rue Amyot, Paris 5e; f. 1936; courses for telecommunications and electronic engineers; Dir. J. BOUCHARD.

Ecole Technique Scientia: 23 rue François-Gérard, Paris 16e; f. 1909; Dir. Mlle LE CHEVALIER.

Ecole Supérieure de Soudure Autogène (*Autogenous Welding*): 32 boulevard de la Chapelle, Paris 18e; f. 1930; 14 teachers; Dir. A. LEROY.

Ecole d'Enseignement Technique Féminin: 116 avenue Général-Leclerc, Paris 14e; Dir. Mme LAURENT.

Ecole Spéciale des Travaux Publics, du Bâtiment et de l'Industrie: 57-61 boulevard Saint-Germain, Paris 5e; f. 1891; Dir. M. EYROLLES.

SCHOOLS OF ART AND MUSIC

Conservatoire National d'Art Dramatique: 2 *bis* rue du Conservatoire, Paris 9e; f. 1946.

Director: R. FERDINAND.
Secretary: P. CAUDRILLIER.

Number of students: 50 men, 51 women.

PROFESSORS:

CHAMARAT, Drama
LEDOUX, Drama
MANUEL, Drama
MARCHAT, Drama
MEYER, General Production
RAYMOND-GIRARD, Voice Production
SEIGNER, Drama
SIMON, Drama
VAN TIEGHEM, History of Dramatic Literature

Conservatoire National Supérieur de Musique: 14 rue de Madrid, Paris 8e; f. 1795; the library forms part of the Music Section of the National Library.

Director: R. GALLOIS-MONTBRUN.
Assistant Director: Mme CLAUDE PERRIN.

Number of teachers: 108.
Number of students: 1,005 ordinary, 39 foreign.

Ecole du Louvre: 34 quai du Louvre, Paris 1e; f. 1882; the library contains 10,000 vols.

Principal: P. PRADEL.
General Secretary: Mlle S. LOUDET.
Librarian: Mme ROGER-LÉVY.

Number of students: 7,500.

PROFESSORS:

BACOU, Mlle, History of Drawing
BAZIN, G., Museology
CASSOU, Modern Art
CHARBONNEAUX, Greek and Roman Archæology
DAVID, Mlle, Arts of the Far East
DAVID-WEILL, Mohammedan Art
DE BOURGET, R.P., Christian Archæology
DESROCHES-NOBLECOURT, Mme, Egyptian Archæology
DEVAMBEZ, Ancient Ceramics
FOUREST, Applied Arts
GIARD, History of Numismatics
PARROT, A., Oriental Archæology
POGNON, History of Engraving
PRADEL, History of Sculpture
QUONIAM, French Archæology II
RIVIÈRE, French Folklore
SERULLAZ, History of Painting
STERN, Art and Archæology of South-East Asia
VARAGNAC, French Archæology I, European Pre-History
VERLET, Stately Homes of France

Ecole Nationale Supérieure des Arts Décoratifs: 31 rue d'Ulm, Paris 5e; f. 1766; Dir. J. ADNET.

Ecole Nationale Supérieure des Beaux-Arts: 14 rue Bonaparte, Paris 6e; f. 1648 as L'Académie Royale de Peinture et de Sculpture, and in 1671 as L'Académie Royale d'Architecture; the library contains 90,000 vols.

Director: M. UNTERSTELLER.
Sub-Director: M. TREBOSC.
Secretary: M. CASSANAS.
Curator: Mme BOULEAU-RABAUD.

Number of teachers: 41.
Number of students: 3,500.

Ecole Normale de Musique de Paris: 114 *bis* boulevard Malesherbes, Paris 17e; f. 1919; complete instruction given at all levels; Dir.-Gen. P. PETIT.

Schola Cantorum, Ecole Supérieure de Musique, de Danse et d'Art Dramatique: 269 rue St. Jacques, Paris 5e; f. 1898 by Vincent d'Indy; Dir. J. CHAILLEY.

THE FRENCH COMMUNITY

OVERSEAS DEPARTMENTS

FRENCH GUIANA

SOCIETIES AND RESEARCH INSTITUTES

Institut Français d'Amérique Tropicale: B.P. 165, Cayenne; branch of ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer); studies and research in pedology, hydrology, sedimentology and botany; Dir. J.-M. BRUGIÈRE.

Bureau de Recherches Géologiques et Minières (BRGM): Cayenne; works in conjunction with the Institut Français d'Amérique Tropicale, Cayenne (*q.v.*).

Institut Pasteur: Cayenne; f. 1940; medical and biological research; Dir. H. A. FLOCH.

Association des Etudiants en Droit de la Cayenne: law.

Association des Amis du Livre: Cayenne; literature.

La Lyre Cayennaise: Cayenne; musical society.

LIBRARY AND MUSEUM

Bibliothèque Françonie: Cayenne; general lending library

Musée Local: Cayenne; flora and fauna of Guiana; historical documents.

GUADELOUPE

RESEARCH INSTITUTE

Institut Français de Recherches Fruitières Outre-Mer: Station de Neutchâteau, Sainte Marie.

MUSEUM

Musée l'Herminier: Pointe-à-Pitre.

MARTINIQUE

MUSEUMS

Musée du Père Pinchon: Fort de France Seminary, Fort de France.

Schoelcher Musée: Fort de France; includes reference library.

COLLEGE

Institut d'Etudes Juridiques: Fort de France; attached to the Faculty of Law, Bordeaux University.

REUNION

LEARNED SOCIETIES

Académie de la Réunion: 107 rue Jules Auber, Saint-Denis; f. 1913; Pres. H. FOUCQUE; publ. *Bulletin.*

Association Historique Internationale de l'Océan Indien: B.P. 349, Saint-Denis.

Sciences et Arts: 22 rue Labourdonnais, Saint-Denis; Pres. Mme. MAS.

LIBRARY AND MUSEUMS

Archives Départementales: B.P. 289, Saint-Denis; Dir. ANDRE SCHERER.

Muséum d'Histoire Naturelle: Jardin de l'Etat, Saint-Denis; f. 1854; Curator H. GRUCHET.

Musée des Beaux Arts Léon-Dierx: Saint-Denis; Cur. H. WACQUIEZ.

COLLEGE

Institut d'Etudes Juridiques et Centres d'Enseignement Supérieur: Avenue de la Victoire, B.P. 647, Saint-Denis.

OVERSEAS TERRITORIES

NEW CALEDONIA

LEARNED SOCIETIES

Institut Français d'Océanie: B.P. 4, Nouméa; branch of ORSTOM; research in pedology, hydrology, agricultural and medical entomology, physical and biological oceanography, geophysics, human sciences; Dir. JEAN PIERRE TONNIER.

Société des Etudes Mélanésiennes: Nouméa.

LIBRARIES

Bibliothèque Bernheim: B.P. 7, Nouméa; Librarian PAUL IDOUX.

South Pacific Commission Library: South Pacific Commission H.Q., Nouméa; reference library on health, and economic and social development in S. Pacific; 23,000 vols.

FRENCH POLYNESIA

LEARNED SOCIETIES

Société d'Etudes Océaniennes: Papeete, rue Bréa; museum; Pres. H. JAQUIER.

Institut de Recherches Medicales: Papeete, rue des Poilus Tahitiens; Dir. Dr. MASSAL.

Institut de Recherches sur la Filariose: Papeete, rue des Poilus Tahitiens; Dir. Dr. LAIGRET.

Institut de Recherches pour les Huiles et Oléagineux: Tuamotu.

COLLEGE

Collège d'Enseignement Technique: Papeete; depts. of carpentry, general engineering, mechanical engineering, electricity and masonry.

FRENCH AUSTRAL LANDS

RESEARCH STATIONS

Meteorological and Geophysical Research Station: Kerguelen Island, South Indian Ocean.

Meteorological Station: New Amsterdam, Amsterdam Island, South Indian Ocean.

MEMBER STATES

Where the quantity of material has justified it, a separate chapter has been included.

CENTRAL AFRICAN REPUBLIC

Population 1,800,000

LEARNED SOCIETY AND RESEARCH INSTITUTES

Alliance Française: Bangui; 2 committees.

Centre d'Etudes sur la Trypanosomiase Animale: Bouar; also stations at Bewiti and Bambari.

Centre de Recherches Agronomiques de Boukoko (*Agricultural Research Centre*): B.P. 44, M'Baiki, Boukoko: investigations into tropical agriculture and plant diseases; library.

Centre Polyvalent de Bangui: B.P. 893, Bangui; attached to ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer); conducts research in pedology, hydrology and medical entomology; Dir. G. MARTIN.

Institut d'Etudes Agronomiques d'Agrique Centrale: Wakombo.

Institut Français du Café, du Cacao et Autres Plantes Stimulantes (IFCC): Boukoko and B.P. 44, M'Baiki.

Institut de Recherches Agronomiques Tropicales et de Cultures Vivrières (IRAT): M'Baiki, Boukoko; investigation into tropical agriculture and plant diseases; library.

Institut de Recherches du Coton et des Textiles Exotiques (IRCT): B.P. 188, Bangui; br. at Bambari.

Institut de Recherches pour les Huiles et Oleagineux (IRHO): Grimari.

Pasteur Institute: B.P. 923, Bangui; f. 1961; Research mainly on Arbovirus.

Station Centrale du Caféier: Boukoko.

Station Expérimentale de la Maboké: par M'Baiki; f. 1963; Dir. ROGER HEIM; publ. *Cahiers de la Maboké*.

COLLEGES

Collège Classique et Moderne: Bangui; some higher studies in philosophy and mathematics.

Ecole Centrale d'Agriculture: Boukoko.

Ecole Territoriale d'Agriculture: Grimari.

CHAD

Population 2,760,964

RESEARCH INSTITUTES

Bureau pour le Développement de la Production Agricole: B.P. 745, Fort-Lamy.

Centre de Recherches Tchadiennes: B.P. 65, Fort-Lamy; attached to ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer); pedology, hydrology, and geophysical studies; Dir. G. BOCQUIER.

Centre Tchadien des Sciences Humaines: Fort-Lamy.

Institut de Recherches du Coton et des Textiles Exotiques (*Research Institute for Cotton and Tropical Textiles*): stations at Bebedja and Tikem.

Institut d'Elevage et de Médecine Vétérinaire des Pays Tropicaux: Farcha, B.P. 433, Fort-Lamy.

COLLEGES

Centre de Formation Professionnelle Technique: Fort-Lamy.

Collège Franco-Arabe: Abéché.

Ecole Nationale d'Administration: Fort-Lamy.

Ecole Nationale des Télécommunications: Fort-Archambault.

Institut d'Enseignement Zootechnique et Vétérinaire: B.P. 433, Fort-Lamy; 12 teachers.

CONGO REPUBLIC (BRAZZAVILLE)

See separate chapter under this heading.

GABON

Population 500,000

LEARNED SOCIETY AND RESEARCH INSTITUTES

Alliance Française: Franceville; 1 committee.

Centre ORSTOM au Gabon; B.P. 3115, Libreville (Gros-Bouquet); Sections: hydrology, pedology, sociology, psycho-sociology, ethnology, ethnomusicology; Dir. HERBERT PEPPER.

Centre Technique Forestier Tropical: Section Gabon; B.P. 354, Libreville.

Institut des Recherches Agronomes et de Culture Vivrière (*Research Institute for Agriculture and Livestock*): Libreville.

COLLEGES

Ecole Territoriale d'Agriculture: Oyem.

Institut Gabonais d'Etudes Juridiques: Libreville.

MADAGASCAR

See separate chapter under this heading.

SENEGAL

See separate chapter under this heading.

FEDERAL REPUBLIC OF GERMANY

Population 56,586,000

ACADEMIES

Bayerische Akademie der Wissenschaften (*Bavarian Academy of Sciences*): Munich, Marstallplatz; f. 1759.

President: Prof. Dr. R. SAUER.

Secretaries for Philosophy and History: Prof. Dr. KARL ENGISCH, Prof. Dr. F. KLINGNER.

Secretaries for Mathematics and Natural Sciences: Prof. Dr. M. KNEISSL, Prof. Dr. GEORG-MARIA SCHWAB.

Number of members: 106, corresponding 167.

MEMBERS:

Philosophy and History:

ALTHAUS, PAUL.	KUHN, HUGO.
BABINGER, FRANZ.	KUNKEL, WOLFGANG.
BARTHGEN, FRIEDRICH.	LERSCH, PHILIPP.
BAUMANN, HERMANN.	LIERMANN, HANS.
BECK, HANS-GEORG.	LOEWENICH, WALTHER VON.
BECKER, CARL.	LUTGE, FRIEDRICH.
BERVE, HELMUT.	MOBIUS, HANS.
BISCHOFF, BERNHARD.	MORSDORF, KLAUS.
BOSL, KARL.	MÜLLER, HANS WOLFGANG.
CLEMEN, WOLFGANG.	MULLER, THEODOR.
DEMPF, ALOIS.	PETSCHOW, HERBERT.
DOLGER, FRANZ.	PFEIFFER, RUDOLF.
ENSSLIN, WILHELM.	PREISSER, ERICH.
ERNSTBERGER, ANTON.	RHEINFELDER, HANS.
FRANKE, HERBERT.	SCHMAUS, ALOIS.
FRITZ, KURT VON.	SCHMAUS, MICHAEL.
GENZMER, ERICH.	SCHNABEL, FRANZ.
GEORGIADES, THRASYBULOS.	SEDLMAYR, HANS.
GRUNDMANN, HERBERT.	SPINDLER, MAX.
HOFFMAN, HELMUT.	ULMER, EUGEN.
HUECK, ALFRED.	WENZL, ALOYS.
KLINGNER, FRIEDRICH.	WERNER, JOACHIM.
KOSCHMIEDER, ERWIN.	WISSMANN, WILHELM.
KRAUSE, HERMANN.	ZIEGLER, JOSEPH.

Mathematics and Natural Sciences:

ANGENHEISTER, GUSTAV.	LENSE, JOSEF.
AUMANN, GEORG.	LORENZ, KONRAD.
AUTRUM, HANSJOCHEM.	LOUIS, HERBERT.
BIERMANN, LUDWIG.	LYNEN, FEODOR.
BOPP, FRITZ.	MAIER-LEIBNITZ, HEINZ.
BRAUNER, LEO.	MAUCHER, ALBERT.
BUDEL, JULIUS.	MEISSNER, WALTHER.
BUTENANDT, ADOLF.	MENZER, GEORG.
DEHM, RICHARD.	MERXMÜLLER, HERMANN.
ERNST, THEODOR.	NOBELING, GEORG.
FABER, GEORG.	PERRON, OSKAR.
FISCHER, ERNST OTTO.	PILOTY, HANS.
FLEISCHMANN, RUDOLF.	PUMMERER, RUDOLF.
FOPPL, LUDWIG.	RICHTER, HANS.
FORST, AUGUST.	ROLLWAGEN, WALTER.
FREYBURG, BRUNO VON.	ROMEIS, BENNO.
FRISCH, KARL RITTER VON.	SAUER, ROBERT.
GEIGER, RUDOLF.	SCHEIBE, GUNTER.
GERLACH, WALTHER.	SCHMIDT, ERNST.
GOLDSCHMIDT, STEFAN.	SCHMIDT, HERMANN.
GRASSMANN, WOLFGANG.	SCHUMANN, WINFRIED OTTO.
HAUPT, OTTO.	SCHWAB, GEORG-MARIA.
HEISENBERG, WERNER.	SCHWEMMLE, JULIUS.
HESSE, GERHARD.	STEIN, KARL.
HIEBER, WALTER.	WAGNER, RICHARD.
HUISGEN, ROLF.	WEYGAND, FRIEDRICH.
KNEISSL, MAX.	WIBERG, EGON.
KONIG, ROBERT.	WILKENS, ALEXANDER.
KULENKAMPFF, HELMUTH.	WURM, ADOLF.

Akademie der Wissenschaften in Göttingen (*Göttingen Academy of Sciences*): Göttingen, Prinzenstrasse 1; f. 1751.

President: OSKAR GLEMSER.

Secretary: Prof. Dr. ALBERT DIETRICH.

Number of members: 198.

Publications: *Nachrichten, Abhandlungen, Göttingische Gelehrte Anzeigen, Kurznachrichten.*

MEMBERS:

Philology and History:

ANDRESEN, CARL.	NEUMANN, HANS.
DIETRICH, ALBERT.	NÜRNBERGER, RICHARD.
DÖRRIES, HERMANN.	PETRICONI, HELMUT.
FLUME, WERNER.	ROSEMANN, HEINZ RUDOLF.
FRIEDRICH, WOLF-HARTMUT.	SCHAFFSTEIN, FRIEDRICH.
HEIMPEL, HERMANN.	SCHLACHTER, WOLFGANG.
HEUSS, ALFRED.	SCHOTT, SIEGFRIED.
HORN, RUDOLF.	SCHRAMM, PERCY ERNST.
JANKUHN, HERBERT.	SEHRT, ERNST THEODOR.
JEREMIAS, JOACHIM.	SMEND, RUDOLF.
KASER, MAX.	SNELL, BRUNO.
KLEIN, JOSEPH.	TRIER, JOST.
KÖNIG, JOSEF.	WALDSCHMIDT, ERNST.
KRAUSE, WOLFGANG.	WIEACKER, FRANZ.
MÜLLER, KURT.	WITTRAM, REINHARD.
	ZIMMERLI, WALTHER.

Mathematics and Physics:

BEDERKE, ERICH.	LENDLE, LUDWIG.
BETZ, ALBERT.	LENKEIT, WALTHER.
BIRUKOW, GEORG.	LINZBACH, JOHANNES.
BORN, MAX.	LÜDERS, GERHART.
BROCKMANN, HANS.	MAAK, WILHELM.
CORRENS, CARL WILHELM.	MAYER, HERBERT.
DEURING, MAX.	MEYER, ERWIN.
DEUTICKE, HANS JOACHIM.	PIRSON, ANDRÉ.
EIGEN, MANFRED.	POHL, ROBERT.
FLAMMERSFELD, ARNOLD.	POSER, HANS.
GLEMSER, OSKAR.	RAETHER, HEINZ.
GRAUERT, JOHANNES.	REIDEMEISTER, KURT.
GRUBER, GEORG.	RIPPEL, AUGUST.
HARDER, RICHARD.	SIEGEL, CARL LUDWIG.
HILSCH, RUDOLF.	STILLE, HANS.
HUND, FRIEDRICH.	TOLLMIEN, WALTER.
INHOFFEN, HANS-HERLOFF.	WAGNER, CARL.
JOST, WILHELM.	WEISZÄCKER, CARL FRIEDRICH VON.
KLEMM, WILHELM.	WOERMAN, EMIL.

Heidelberger Akademie der Wissenschaften (*Heidelberg Academy of Sciences*): Heidelberg, Karlstrasse 4; f. 1909.

President: Prof. Dr. SIEGFRIED REICKE.

Secretary of the Mathematics and Natural Sciences Section: Prof. Dr. KLAUS SCHÄFER.

Secretary of the Philosophy and History Section: Prof. Dr. FRANZ DIRLMEIER.

Number of members: 82.

MEMBERS:

Mathematics and Natural Sciences:

ACHELIS, DANIEL.	DUSPIVA, FRANZ.
BAUER, KARL HEINRICH.	EICHOLTZ, FRITZ.
BÜNNING, ERWIN.	ENGELHARDT, HELMUT VON.
CRIEGEE, RUDOLF.	ENGELKING, ERNST.

FELDTKELLER, RICHARD.
FREUDENBERG, KARL.
FRICKE, WALTER.
FUES, ERWIN.
GENTNER, WOLFGANG.
GÖRTLER, HENRY.
GOUBEAU, JOSEF.
GRAMMEL, RICHARD.
GÜNTHER, PAUL.
HASSENSTEIN, BERNARD.
HAXEL, OTTO.
HEILMEYER, LUDWIG.
HOFMAN, ULRICH.
JENSEN, HANS D.
KIENLE, HANS.
KNESER, HELMUTH.
KOETHE, GOTTFRIED.
KUHN, RICHARD.
KUPRIANOFF, JOHANN.
OEHME, KURT.
PFANNENSTIEL, MAX.
PFLUGFELDER, OTTO.
PLANK, RUDOLF.
RAMDOHR, PAUL.
RODENWALDT, ERNST.
SCHAEFER, HANS.
SCHÄFER, KLAUS.
SCHMIDT, FRIEDRICH KARL.
SCHMIDT, OTTO.
SCHOLDER, RUDOLF.
SEIFERT, HERBERT.
SEYBOLD, AUGUST.
SIEBECK, RICHARD.
VOGT, HEINRICH.
WIELANDT, HELMUT.
WITTIG, GEORG.

Philosophy and History:
BALDINGER, KURT.
BAUCH, KURT.
BENZ, RICHARD.
BORNKAMM, GUNTHER.
BORNKAMM, HEINRICH.
BULST, WALTHER.
CAMPENHAUSEN, HANS VON
CONZE, WERNER.
DIRLMEIER, FRANZ.
ERNST, FRITZ.
FALKENSTEIN, ADAM.
FRIEDRICH, HUGO.
GADAMER, HANS GEORG.
GALLAS, WILHELM.
HAMPE, ROLAND.
HEIDEGGER, MARTIN.
KAUFMANN, ERICH.
KOLLWITZ, JOHANNES.
LÖWITH, KARL.
MASCHKE, ERICH.
MAURER, FRIEDRICH.
MEISTER, KARL.
MILOJCIC, VLADIMIR.
OTTO, EBERHARD.
PAATZ, WALTER.
PÖSCHL, VIKTOR.
PREISENDANZ, KARL.
RAD, GERHARD VON.
REGENBOGEN, OTTO.
REICKE, SIEGFRIED.
RITTER, GERHARD.
ROTHFELS, HANS.
RÜCKERT, HANNS.
SCHADEWALDT, WOLFGANG.
SCHMIDT, EBERHARD.
SCHWEITZER, BERNHARD.
TSCHIZEWSKIJ, DIMITRIJ.
WAHLE, ERNST.

Akademie der Wissenschaften und der Literatur (*Academy of Sciences and Literature*): Mainz, Geschwister Schollstr. 2; f. 1949.

President: Prof. Dr. PASCUAL JORDAN.
Vice-President Mathematics and Natural Science Section: Prof. Dr. Ing. E. H. RICHARD VIEWEG.
Vice-President Literature Section: Dr. FRANK THIESS.
Secretary-General: Prof. Dr. HELMUTH SCHEEL.
Publications: *Jahrbuch, Abhandlungen.*

MEMBERS:

Mathematics and Natural Science:
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HAUPT, OTTO.
HENN, WALTER.
INHOFFEN, HANS HERLOFF.
JENTSCHKE, WILLIBALD.
JORDAN, PASCUAL.
JUNG, RICHARD.
JUSTI, EDUARD.
KLÖPPEL, KURT.
KÜPFMÜLLER, KARL.
LOTZE, FRANZ.
PATAT, FRANZ.
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REMANE, ADOLF.
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SCHINDEWOLF, OTTO.
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TROLL, CARL.
TROLL, WILHELM.
VERSCHUER, OTMAR FRHR. VON.
VIEWEG, RICHARD.
WEZLER, KARL.
WOERMANN, EMIL.
ZIMMER, KARL GÜNTER.

Philosophy and Social Science:
ALSDORF, LUDWIG.
ARTELT, WALTER.
BENZ, ERNST.
BITTEL, KURT.
BRÄUER, HERBERT.
BRUNNER, OTTO.
DAHLMANN, HELLFRIED.
DIEPGEN, PAUL.
DILLER, HANS.
EINEM, HERBERT VON.
EMGE, CARL AUGUST.
GAMILLSCHEG, ERNST.
GERKE, FRIEDRICH.
GURLITT, WILIBALD.
HEIMSOETH, HEINZ.
ISELE, HELLMUT GEORG.
JEDIN, HUBERT.
KRAHE, HANS.
KÜHN, HERBERT.
MATZ, FRIEDRICH.
OTTEN, HEINRICH.
ROTHACKER, ERICH.
SCHALK, FRITZ.
SCHEEL, HELMUTH.
SCHIEDER, THEODOR.
SCHMITZ, ARNOLD.
SCHMÖLDERS, GÜNTER.
VOGT, JOSEPH.
WAGNER, KURT.
WIESE UND KAISERSWALDAU, LEOPOLD VON.

Literature:
BELZNER, EMIL.
BERGENGRUEN, WERNER.
BISCHOFF, FRIEDRICH.
EDSCHMID, KASMIRI.
EMRICH, WILHELM.
HAUSMANN, MANFRED.
KASACK, HERMANN.
KASCHNITZ-WEINBERG, MARIE-LUISE FREIFRAU VON.
KÄSTNER, ERICH.
KESSEL, MARTIN.
KOLB, ANNETTE.
KREUDER, ERNST.
LANGE, HORST.
LEHMANN, WILHELM.
MEHNERT, KLAUS.
NOSSACK, HANS ERICH.
SCHNACK, FRIEDRICH.
THIESS, FRANK.
USINGER, FRITZ.

Arbeitsgemeinschaft für Forschung des Landes Nordrhein-Westfalen (*North Rhine-Westphalia Research Association*): Düsseldorf, Palmenstr. 16; f. 1950.

President: Dr. FRANZ MEYERS.
Secretary: Dr. LEO BRANDT.

Number of members: 89, corresponding 9.

Akademie der Künste (*Academy of Arts*): Berlin 21, Hanseatenweg 10; f. 1696.

President: Prof. Dr. HANS SCHAROUN.
Vice-President: Prof. BORIS BLACHER.

Number of members: 166.

Arbeitsgemeinschaft der westdeutschen Akademien (*Association of West German Academies*): 34 Göttingen, Prinzenstrasse 1.

LEARNED SOCIETIES

AGRICULTURE AND VETERINARY SCIENCE

Agrarsoziale Gesellschaft: Göttingen, Kurze Geismarstr. 23-25; Dir. Dr. T. TROSCHER.

Deutsche Gesellschaft der Landbauwissenschaften: Göttingen, Nikolausberger Weg 11; Pres. Prof. Dr. E. VON BOGUSLAWSKI.

Deutsche Landwirtschafts-Gesellschaft (*German Agricultural Society*): Frankfurt a.M., Zimmerweg 16; DLG-Haus; originally f. 1885, re-founded 1947; 18 000 mems.; Pres. Dr. KARL LORBERG; Dir. Dr. RUDOLF LAIS; publs. *Mitteilungen der DLG, Archiv der DLG, Flugschriften der DLG, Das wirtschaftseigne Futter, Zeitschrift für Agrargeschichte und Agrarsoziologie, Zeitschrift für ausländische Landwirtschaft.*

Deutsche Veterinarmedizinische Gesellschaft: Riessen, Vrankfurterstr. 87; Dir. Prof. Dr. M. LERCHE.

Deutscher Forstwirtschaftsrat: Rheinbach bei Bonn, Schützenhaus; Pres. Universitäts Prof. Dr. JULIUS SPEER; Dir. Forstmeister HUBERTUS FREIHERR VON EICKSTEDT.

Max-Eyth-Gesellschaft zur Förderung der Landtechnik: 6233 Kelkheim (Taunus), Taunusblick 20; Dir. Dr. L. VON BISMARCK.

ARCHITECTURE AND TOWN PLANNING

Deutscher Architekten- und Ingenieurverband e.V. (DAI): 53 Bonn, Talweg 135; f. 1871; 5,500 mems.; Dir. WOLFRAM DORN; publ. *Deutsche Architekten- und Ingenieur-Zeitschrift.*

Deutscher Verband für Wohnungswesen, Städtebau und Raumplanung e.V.: 5 Köln-Mülheim, Wrangelstr. 12; f. 1946; independent research in housing, town and

country planning; 710 mems.; Pres. Dr. CARL SCHWEYER; Sec. BENNO HEINEN; publs. *Mitteilungen des Deutschen Verbandes für Wohnungswesen, Städtebau und Raumplanung* (bi-monthly), *Schrifttumsnachweis Bau-, Wohnungs- und Siedlungswesen, Schrifttumsnachweis Baurecht* (annuals).

Gesellschaft des Bauwesens e.V.: 6 Frankfurt-am-Main, Postfach 16124; f. 1960; Chair. Dipl.-Ing. H. MALSY.

Kesterner-Gesellschaft: Hanover, Warmbuchenstrasse 16; f. 1916; Pres. Dr. BERNHARD SPRENGEL; Dir. Dr. WIELAND SCHMIED.

THE ARTS

Bayerische Akademie der Schönen Künste: Munich 22, Königinstrasse 1; Pres. Prof. Dr. h.c. EMIL PREETORIUS; Gen. Sec. Dr. CLEMENS GRAF PODEWILS.

Deutsche Gesellschaft für Photographie: Cologne, Neumarkt 49; Pres. Dr. GERHARD SCHRÖDER.

Deutsche Gesellschaft für Bildende Kunst (*Kunstverein Berlin e.v.*): Berlin; f. 1965; Pres. Prof. Dr. ADOLF ARNDT.

Deutscher Verein für Kunstwissenschaft (*Society for the Study of German Art*): Berlin-Charlottenburg, 2 Jebensstr. 2 (Kunstbibliothek); f. 1908; 2,000 mems.; Chair. Dr. STEPHAN WEATOLDT; publs. *Denkmäler deutscher Kunst, Zeitschrift des Deutschen Vereins für Kunstwissenschaft, Schrifttum zur deutschen Kunst.*

Institut für den Wissenschaftlichen Film (*Scientific Film Institute*): Göttingen, Nonnenstieg 72; f. 1956; library of 2,300 films; Dir. Dr.Ing. G. WOLF; publs. *Forschungsfilm, Mitteilungen, Gesamtverzeichnis der wissenschaftlichen Filme, Encyclopaedia Cinematographica, Publikationen zu wissenschaftlichen Filmen.*

Internationales Musikinstitut Berlin: Berlin; Dir. Prof. ALAIN DANIELOU.

Internationales Musikinstitut Darmstadt: Nieder-Ramstädter Str. 190.

Verband Deutscher Kunsthistoriker e.V.: Bonn, Kunsthistorisches Institut der Universität, Liebfrauenweg 1; f. 1948; Pres. Prof. Dr. HERBERT VON EINEM.

BIBLIOGRAPHY AND LIBRARY SCIENCE

Arbeitsgemeinschaft technischer und wirtschaftlicher Bibliotheken: Jülich; Dir. Dipl. Berging M. KOCH.

Deutsche Gesellschaft für Dokumentation e. V.: Frankfurt a.M., West 1, Schubertstr. 1 pt.; f. 1948; Pres. Prof. Dr. H. ARUTZ; Gen. Sec. H. K. SOEKEN; publ. *Nachrichten für Dokumentation.*

Deutscher Normenausschuss (DNA): Berlin, 15, Uhlandstrasse 175; Dir. Prof. Dr. A. ZINZEN.

Deutscher Büchereiverband e.V.: 1 Berlin 61, Gitschinerstrasse 97-103; Sec. KLAUS DIETRICH HOFFMANN.

Dokumentationsstelle für Bautechnik in der Fraunhofer-Gesellschaft (*Building Technology Documentation*): Stuttgart W., Silberburgstr. 119A; f. 1941; Dir. CLARA E. MÜLLER; publs. *Schrifttumkartei Bauwesen, Schrifttumkartei Beton, Kurzberichte aus der Bauforschung* (monthlies).

Institut für Dokumentationswesen: Frankfurt am Main, Vogtstr. 50; f. 1951; Dir. Dr. MARTIN CRAMER; publ. *Nachrichten für Dokumentation.*

Verein Deutscher Bibliothekare e.V.: Göttingen, Prinzenstr. 1; f. 1900, re-f. 1948; Chair. Dr. W. M. LUTHER; Sec. Dr. H. LOHSE; publs. *Zeitschrift für Bibliothekswesen und Bibliographie, Jahrbuch der Deutschen Bibliotheken.*

Verein Deutscher Dokumentare (VDD): Bonn, Reuterstrasse 151; Dir. Dr. H. J. RAUTENBERG.

Württembergische Bibliotheksgesellschaft (*Society of Friends of the Württemberg State Library*): **Stuttgart,** Neckarstrasse 8; f. 1946 to support the reconstruction of the Württemberg State Library, to hold lectures, meetings, exhibitions, etc.; 1,000 mems.; Pres. Prof. Dr. JOSEF EBERLE; Chair. WILHELM HOFFMANN, PH.D.; Sec. WALTER MAIER.

ECONOMICS, LAW AND POLITICS

Arbeitsgemeinschaft Wissenschaft und Politik: Munich 2, Marienplatz 17; Dir. Dr. H. KRUSE.

Deutsche Gesellschaft für Auswärtige Politik e.V. (*German Society for Foreign Affairs*): Bonn, Schaumburg-Lippestrasse 6; f. 1955; 1,050 mems.; Pres. Dr. Dr. h.c. GÜNTER HENLE; publ. *Europa-Archiv* (bi-monthly).

Deutsche Gesellschaft für Betriebswirtschaft e.V.: Berlin W.30, Rankestrasse 23; Pres. Dipl.-Kfm. KARL DIETRICH; Sec. W. BÖHME.

Deutsche Gesellschaft für Osteuropakunde e.V. (*German Society for Eastern European Studies*): Stuttgart, Leonhardplatz 28/4; f. 1913; 550 mems.; Dir. Dr. jur. ERNST VON EICKE; publs. *Osteuropa* (monthly), *Osteuropa-Recht, Osteuropa-Wirtschaft* (quarterlies), *Osteuropa-Naturwissenschaft* (bi-annual).

Deutsche Gesellschaft für Versicherungs-mathematik: Cologne, Gereonshof; Dir. Dr. H. KRACKE.

Deutsche Gesellschaft für Völkerrecht (*International Law*): Heidelberg, Berliner Str. 48; f. 1917, re-founded 1949, Pres. Prof. Dr. HERMANN MOSLER.

Deutsche Sozialpolitische Gesellschaft: Stuttgart, Postfach 476; Pres. D.Dr. E. GERSTENMAIER.

Deutsche Statistische Gesellschaft: Wiesbaden, Gustav-Stresemann-Ring 11; f. 1911; 490 mems.; Pres. Dr. GERHARD FÜRST; Sec. O. R. R. HERBERT GERHARDT; publs. *Allgemeines Statistisches Archiv* (quarterly), *Einzelschriften der Deutschen Statist. Gesellschaft* (irregular).

Deutsche Vereinigung für Politische Wissenchaft: Hamburg 13, Von-Melle-Park 9; Pres. Prof. SIEGFRIED LANDSHUT.

Deutsche Volkswirtschaftliche Gesellschaft e.V. (*German Society for Political Economy*): Hamburg, Wandesbeker Marktstrasse 101; f. 1946; Pres. H. VON KATZLER.

Incorporates:

Akademie für Führungskräfte der Wirtschaft: Bad Harzburg, Amsbergstrasse 9e; f. 1956; Dir. Prof. Dr. R. HOHN.

Wirtschaftsakademie für Lehrer: f. 1959; Dir. Prof. Dr R. HOHN.

Akademie für Fernstudium: f. 1961; Pres. Dr. H. KOCH.

Deutsche Weltwirtschaftliche Gesellschaft e.V. (*World Economics*): Berlin 15, Kurfürstendamm 188; Hon. Pres. Dr. FRIEDRICH SPENNRATH; Pres. Prof. Dr. Fr. OTTO LEIBROCK; Manager K. M. ROSCHER.

Deutscher Juristentag: Karlsruhe, Karlstrasse 10; Pres. Dr. ERNST FRIESENHAHN.

Gesellschaft für Rechtsvergleichung (*Comparative Law*): Freiburg im Breisgau, Belfortstr. 11, Universität; f. 1950; 520 mems.; Chsir. Prof. Dr. ERNST VON CAEMMERER; Sec.-Gen. Dr. HANS CLAUDIUS FICKER; publ. *Mitteilungen der Ges. f. Rechtsvergleichung.*

Gesellschaft für Wirtschafts- und Sozialwissenschaften (Verein für Sozialpolitik) (*Economic and Social Sciences*): 2300 Kiel, Düstenbrooker Weg 120/22; f. 1872; 700 mems.; Pres. Prof. Dr. Dres. h.c. ERICH SCHNEIDER.

Indien-Institut: Munich 2, Residenzstr. 27; Pres. P. H. VON MITTERWALLNER.

Institut für Auslandbeziehungen: Stuttgart, Charlottenplatz 17; f. 1917; library of 187,000 vols.; Pres. Prof. Dr. WALTER ERBE; Gen. Sec. Dr. MICHAEL REHS; publs. *Literarisch-Künstlerische Reihe, Wissenschaftlich-*

Publizistische Reihe, Deutsche-Ausländische Kulturbeziehungen, Geistige Begegnung, Zeitschrift für Kulturaustausch.

Institut zur Erforschung der UdSSR e.V. (*Study of U.S.S.R.*): Munich 22, Mannhardtstr. 6; Dir. Dr. HEINRICH E. SCHULZ.

Orient-Institut: Frankfurt, Savignystr. 65; Dir. Prof. Dr. F. NEUMARK.

Seminar für Finanzwissenschaft der Universität Frankfurt: Frankfurt, Mertonstr. 17-25; Prof. Dr. FRITZ NEUMARK.

Wirtschaftspolitische Gesellschaft von 1947: Frankfurt a.M., Falkensteinerstr. 27; Pres. Dr. RUDOLF MUELLER; members of the Executive Committee: ULRICH V. PUFENDORF, Dr. Dr. GERNOT GATHER; publs. *Offene Welt* (quarterly), *Wirtschaftspolitischer Beratungsbrief* (weekly).

Wirtschafts- und Sozialpolitische Vereinigung: Bonn, Bonner Tal-weg 57; Dir. Dr. R. MEIER.

EDUCATION

Carl Duisberg-Gesellschaft e.V. (*The Carl Duisberg Society*): 5 Cologne, Kaiser-Friedrich-Ufer 41-45; f. 1949; a non-profit making organisation educating young people for business and industry; mems.: 400 firms; Chair. Board Trustees Dr. F. JACOBI; Exec. Secs. Dr. K. KRUG, Dipl. Ing. J. W. FUNKE, W. BÖLL; publ. *Duisberghefte* (irregular).

Deutscher Akademischer Austauschdienst (DAAD) (*German Academic Exchange Service*): Bad Godesberg, Kennedyallee 50; branch offices: 43 Parliament Street, London, S.W.1, England; 15 Rue de Verneuil, Paris 7e, France; 6A Shania Ismail Mohamed, Cairo-Zamalek, U.A.R.; 3 Curzon Road, New Delhi, India; f. 1924; exchange of professors, lecturers in German for foreign universities, IAESTE—student-trainees, scholarships, etc.; Pres. Prof. EMIL LEHNARTZ; Gen. Sec. Dr. HUBERTUS SCHEIBE.

Deutscher Volkshochschul-Verband e.V. (*German Adult Education Association*): Bonn, Kronprinzenstrasse 15; 13 regional associations of 1,101 Volkshochschulen; f. 1960; Pres. Prof. HELLMUT BECKER; Dir. HELMUTH DOLFF.

Humboldt-Gesellschaft für Wissenschaft, Kunst und Bildung: Mannheim, U3, 16/17; Pres. Prof. Dr. C. HAENSEL.

Westdeutsche Rektorenkonferenz (*West German Rectors' Conference*): Bad Godesberg, Ahrstrasse 39; mems.: 32 universities, technical universities and other colleges with university status; Pres. Prof. Dr. SIEVERTS.

Educational Foundations

Alexander von Humboldt-Stiftung (*Humboldt Foundation*): Bad Godesberg, Schillerstr. 12; f. 1925, re-established 1953; provides 300 research fellowships annually for young scholars and scientists for advanced research at universities and other institutes in the Federal Republic of Germany; Pres. Prof. Dr. WERNER HEISENBERG; Exec. Sec. Dr. HEINRICH PFEIFFER.

Cusanuswerk Bischöfliche Studienförderung: 5320 Bad Godesberg, Hochkreuzallee 246; f. 1956; 580 mems.; Dir. BERNHARD HANSSLER; Man. LOTHAR HUMBURG.

Friedrich-Ebert-Stiftung e.V. (*The Friedrich Ebert Foundation*): Bonn, Koblenzerstr. 54; f. 1925; there are five departments: Adult Education, Assistance to Gifted Students, International Relations, Educational Aid to Developing Countries, Research; library of 40,000 vols.; Pres. Prof. Dr. GERHARD WEISSER; Gen. Sec. Dr. G. GRUNWALD; publs. *Archiv für Sozialgeschichte, Jahrbuch der Friedrich-Ebert-Stiftung, Schriftenreihe des Forschungsinstituts der Friedrich-Ebert-Stiftung.*

Fritz-Thyssen-Stiftung: Cologne 10, Habsburger Ring 9; f. 1960 to promote scientific research; Chair. ROBERT ELLSCHIED.

Pestalozzi-Fröbel-Haus: 1, Berlin, 30, Karl Schrader Strasse 7/8; f. 1874; Depts. of: Domestic Science, Social Pedagogy, Social Welfare, Child Guidance Clinic; 640 students; library of 18,165 vols.

Stifterverband für die Deutsche Wissenschaft e.V.: Essen-Bredeney, Brucker Holt 42; f. 1921; 4,372 mems.; Pres. DDr. h.c. E. H. VITS; Dir. THORWALD RISLER; publs. *Jahrbuch, Mitteilungsblatt Wirtschaft und Wissenschaft, Schriftenreihe zur Förderung der Wissenschaft, Vademecum Deutscher Forschungsstätten.*

Stiftung Mitbestimmung: 4 Düsseldorf, Breite Strasse 13; f. 1954; awards grants to students and provides money for scientific research; Head of Curatorium GEORG REUTER; Chair. of Dirs. HEINRICH STRÄTER; Educational Dir. RUDOLF QUAST; publ. *Mitteilungen der Stiftung Mitbestimmung.*

Stiftung Volkswagenwerk: 3000 Hannover-Döhren, Schützenallee 9; f. 1961; promotes research into science, the humanities and technology. Sec.-Gen. Dipl.-Ing. G. GAMBKE; publ. *Annual Report.*

Studienstiftung des deutschen Volkes (*Scholarship Foundation of the German People*): Bad Godesberg, Koblenzerstr. 77.

HISTORY, GEOGRAPHY AND ARCHÆOLOGY

Deutsche Gesellschaft für Kartographie e.V.: Bielefeld; f. 1950; Pres. Dr. B. LORKE; Sec. Dr. H. KÖTTER; publ. *Kartographische Nachrichten.*

Deutsche Morgenländische Gesellschaft: 355 Marburg/Lahn, Postfach 642; Sec. Dr. WOLFGANG VOIGT.

Deutsche Orient-Gesellschaft (*German Oriental Society*): 1 Berlin 20, Gaismannshofer Weg 5a; f. 1898; 400 mems.; Pres. Prof. Dr.-Ing. ERNST HEINRICH; Sec. Prof. Dr. phil. EINAR VON SCHULER; publs. *Mitteilungen, Wissenschaftliche Veröffentlichungen, Abhandlungen.*

Deutsche Quartärvereinigung: Hanover, Wiesenstrasse 1; f. 1963; 480 mems.; publ. *Eiszeitalter und Gegenwart.*

Geographische Gesellschaft: Freiburg, Mozartstr. 30; Dir. Prof. Dr. FRIEDRICH METZ.

Geographisch-Kartographische Gesellschaft: Rendsburg, Alte Kieler Landstr. 147; Dir. KLAUS KRIEGER.

Gesamtverein der Deutschen Geschichts- und Altertumsvereine (*Union of German Historical and Archæological Societies*): Wiesbaden, Mainzerstrasse 80; f. 1852; 150 affiliated asscns.; Pres. Prof. Dr. G. W. SANTE; Treas. Dr. E. KITTEL; publ. *Blätter für deutsche Landesgeschichte.*

Gesellschaft für Erd- und Völkerkunde (*Geography and Ethnology*): Bonn, Franziskanerstrasse 2; f. 1910; 600 mems.; Pres. Prof. Dr. HERMANN TRIMBORN; Sec. Dr. GERHARD AYMANS.

Gesellschaft für Erdkunde zu Berlin (*Berlin Geographical Society*): Berlin 41, Grunewaldstr. 35; 1,350 mems.; f. 1828; Pres. H. J. KRUG; Gen. Sec. Dr. KLAUS-ACHIM BOESLER; publ. *Die Erde* (*Zeitschrift der Gesellschaft für Erdkunde zu Berlin*).

Görres-Gesellschaft zur Pflege der Wissenschaft: Cologne 1, Engelbert-strasse2 7; f. 1876; over 1,800 mems.; Pres. Prof. Dr. HANS PETERS; Gen. Sec. Prof. Dr. HERMANN CONRAD.

Monumenta Germaniae Historica: Munich, 2, Meiserstrasse 10; f. 1819; *c.* 60,000 vols. in library; Pres. Prof. Dr. HERBERT GRUNDMANN; Sec. Dr. GOTTFRIED OPITZ; Librarian Dr. HILDA LIETZMANN; publ. *Deutsches Archiv für Erforschung des Mittelalters.*

Verband der Historiker Deutschlands (*Union of German Historians*): 23 Kiel, Universität, Historisches Seminar;

f. 1893; re-founded 1949; 420 mems.; Pres. Prof. Dr. KARL DIETRICH ERDMANN; Gen. Sec. Prof. Dr. KARL JORDAN.

Zentralausschuss für Deutsche Landeskunde (*Central Council for Regional Geography of Germany*): Bad Godesberg, Michaelshof; Pres. Prof. Dr. CARL SCHOTT; Sec. Prof. Dr. EMIL MEYNEN.

Zentralverband der deutschen Geographen: 23 Kiel, Olshausenstrasse 40-60; Neue Universität Geographisches Institut; Pres. Prof. Dr. H. SCHLENGER.

INTERNATIONAL CULTURAL INSTITUTES

British Council: Head Office: Hahnenstrasse 6, Cologne; Rep. R. SEYMOUR, C.B.E.; brs. at Berlin, Frankfurt a.M., Hamburg, and Munich.

Goethe-Institut: 8000 Munich 2, Lenbachplatz 3; f. 1932; 21 colleges for foreigners; 112 branches abroad; Pres. PETER H. PFEIFFER.

Institut Français: Wörtstrasse 1, Bonn; Dir. (vacant); brs. at Berlin, Cologne, Frankfurt a.M., Freiburg, Hamburg, Mainz, Munich, Stuttgart.

Instituto de España en Munich: Residenzstrasse No. 1, Munich; Dir. ALVARO GALMÉS DE FUENTES.

Istituto Italiano di Cultura:
Universitätstrasse 81, Cologne; Dir. Prof. EDGARDO GIORGI-ALBERTI.
Hansastrasse 6, Hamburg; Dir. Prof. LIVIO OLIVIERI.

U.S. Information Centers: Head Office: American Embassy, Bonn; brs. at Berlin, Bremen, Cologne, Darmstadt, Frankfurt, Freiburg, Hamburg, Hanover, Heidelberg, Kassel, Koblenz, Marburg, Munich, Nuremberg, Regensburg, Saarbrücken, Stuttgart, Tübingen.

LANGUAGE AND LITERATURE

Deutsche Shakespeare-Gesellschaft: 4630 Bochum, Rathaus; 1,475 mems.; Pres. Prof. Dr. STAMM; Chair. Dr. L. DIEKAMP; publ. *Shakespeare Jahrbuch.*

Hölderlin-Gesellschaft e.V.: Tübingen, Hölderlinhaus; f. 1943, reconstituted 1946; 1,200 mems.

Mommsen-Gesellschaft: Munich, Universität, Geschwister-Scholl-Platz 1, (Seminar für Klassische Philologie); Association of Classical Scholars; Pres. Prof. Dr. KURT VON FRITZ; Sec. Dr. WINFRIED BÜHLER.

MEDICINE

Anatomische Gesellschaft (*Anatomical Society*): Mainz, Anatomisches Institut der Universität; f. 1886; 365 mems.; Sec. Prof. Dr. MAX WATZKA; publ. *Anatomischer Anzeiger.*

Berliner Medizinische Gesellschaft (*Berlin Medical Society*): 1 Berlin 41, Sembritzkistr. 31A; Pres. Prof. Dr. Dr. h.c. HANS FREIHERR VON KRESS; Sec. Prof. Dr. F. TRAUTMANN.

Deutsche Dermatologische Gesellschaft: Hamburg, Martinistr. 52; f. 1888; 641 mems.; Pres. Prof. Dr. A. M. MEMMESHEIMER.

Deutsche Gesellschaft der Hals-Nasen-Ohrenärzte (*Oto-rhino-laryngologists*): Düsseldorf, Moorenstr. 5; f. 1921; 1,500 mems.; Dir. Prof. Dr. FALK.

Deutsche Gesellschaft für Anaesthesie: 6,500 Mainz, Langenbeckstr. 1; f. 1963; 580 mems.; Pres. Dr. KARL HORATZ; Sec. Dr. RUDOLF FREY; publ. *Der Anaesthesist* (monthly).

Deutsche Gesellschaft für Arbeitsschutz: Frankfurt, Schumannstr. 1-3; Dir. Prof. Dr. K. RIESS.

Deutsche Gesellschaft für Balneologie, Bioklimatologie und Physikalische Medizin: Bad Salzuflen, Bismarckstr. 12; Dir. Prof. Dr. V. R. OTT.

Deutsche Gesellschaft für Biophysik: Frankfurt, Forsthausstr. 70; Dir. Prof. Dr. B. RAJEWSKY.

Deutsche Gesellschaft für Chirurgie (*German Surgical Society*): Berlin W. 15, Kurfürstendamm 179; f. 1872; 2,500 mems.; Pres. Prof. Dr. H. KRAUSS; Sec. Prof. Dr. H. BÜRKLE DE LA CAMP; publs. *Langenbecks Archiv und Deutsche Zeitschrift für Chirurgie.*

Deutsche Gesellschaft für Endokrinologie: Hamburg 20, Martinistr. 52; Dir. Prof. Dr. A. JORES.

Deutsche Gesellschaft für Ernährung e.V. (*Nutrition*): 6 Frankfurt/Main, Feldbergstr. 28; Pres. Prof. Dr. J. SCHORMÜLLER.

Deutsche Gesellschaft für Gerichtliche und Soziale Medizin: Münster, Von Esmarchstr. 86; Pres. Prof. Dr. A. PONSOLD.

Deutsche Gesellschaft für Geschichte der Medizin, Naturwissenschaft und Technik e.V.: 6 Frankfurt am Main, Senckenberganlage 27; f. 1901, reorganised 1948; 460 mems.; Pres. Prof. Dr. med. GERNOT RATH; Sec. Dr. med. HANS-HEINZ EULNER; publ. *Nachrichtenblatt.*

Deutsche Gesellschaft für Gynäkologie: Göttingen, Kirchweg 5; Pres. Prof. Dr. W. BICKENBACH.

Deutsche Gesellschaft für Hygiene und Mikrobiologie: Essen, Hufelandstrasse 55; Chair. Prof. Dr. HORST HABS.

Deutsche Gesellschaft für Innere Medizin (*Internal Medicine*): Wiesbaden, Med. Klinik der Städtische Krankenanstalten, Schwalbacherstr. 62; Sec. Prof. Dr. BERNHARD SCHLEGEL.

Deutsche Gesellschaft für Kinderheilkunde (*Pediatrics*): Duisburg, Städt. Kinderklinik, Lotharstr. 63; f. 1883; 2,900 mems.; Pres. Prof. Dr. Dr. MAI; Sec. Prof. Dr. J. WOLFF.

Deutsche Gesellschaft für Neurochirurgie: 7 Stuttgart 1, Kriegsbergstr. 60; Pres. Prof. Dr. FR. LOEW.

Deutsche Gesellschaft für Neurologie: Hamburg 39, Scheffelstr. 26; Sec. Prof. Dr. G. DÖRING.

Deutsche Gesellschaft für Pathologie: c/o Münster/Westf., Westring 17; f. 1897; Sec. Prof. Dr. W. GIESE.

Deutsche Gesellschaft für Psychiatrie und Nervenheilkunde: 355 Marburg, Ortenbergstrasse 8; f. 1864; approx. 1,100 mems.; Dir. H. MERGUET; Sec. Prof. H. EHRHARDT; publs. *Arch Psychiatr., Der Nervenarzt.*

Deutsche Gesellschaft für Psychotherapie und Tiefenpsychologie: 6 Frankfurt a.M., Myliusstr. 20; over 200 mems.; Pres. Prof. Dr. med. TOBIAS BROCHER; Dir. Dr. med. WERNER SCHWIDDER.

Deutsche Gesellschaft für Rehabilitation e.V.: 518 Eschwieler, Postfach 466; publ. *Rehabilitation.*

Deutsche Gesellschaft für Rheumatologie: Bad Münster am Stein, Goetheplatz 6; Pres. Prof. Dr. W. FÄHNDRICH.

Deutsche Gesellschaft für Zahn-, Mund- und Kieferheilkunde (*Dentistry*): 4 Düsseldorf, Lindemannstrasse 38; f. 1859; 8,200 mems.; Gen. Sec. Dr. KARL WINTER.

Deutsche Ophthalmologische Gesellschaft Heidelberg: Heidelberg, Bergheimerstrasse 20; f. 1857; 1,400 mems.; Pres. Prof. Dr. W. WEGNER; Sec. Prof. Dr. W. JAEGER; publ. *Jahresbericht.*

Deutsche Orthopädische Gesellschaft: Orthopädische Universitätsklinik, 8 Munich 9, Harlachingerstr. 12; f. 1901; 1,100 mems.; Pres. Dr. med. habil. WOLFGANG MARQUARDT; Sec. Prof. Dr. MAX LANGE; publ. *Verhandlungen der Deutschen Orthopädischen Gesellschaft* (annual).

Deutsche Physiologische Gesellschaft: 44 Münster/Westf., Westring 6; f. 1904; 266 mems.; Pres. Prof. Dr. O. GAUER; Sec. Prof. Dr. H. CASPERS.

Deutsche Psychoanalytische Gesellschaft: Göttingen-Tiefenbrunn; Dir. Dr. W. SCHWIDDER.

Deutsche Psychoanalytische Vereinigung und Berliner Psychoanalytisches Institut: Berlin-Schmargendorf, Sulzaer-strasse 3; br. of the International Psychoanalytical Association; Institute f. 1950; Pres. Dr. H.-E. RICHTER.

Deutsche Röntgengesellschaft, Gesellschaft für Medizinische Radiologie, Strahlenbiologie und Nuklearmedizin e.V. (*Radiological Society*): Mainz, Fischtorplatz 20 III; Pres. Prof. Dr. med. HEINZ OESER; Gen. Sec. Prof. Dr. med. HEINZ LOSSEN.

Deutsche Tropenmedizinische Gesellschaft: Düsseldorf, Witzelstr. 111; Pres. Prof. Dr. W. KIKUTH.

Gesellschaft Deutscher Hals-, Nasen- und Ohrenärzte (*Oto-rhino-laryngologists*): Pres. Prof. Dr. LINK; Sec. Prof. Dr. EIGLER, Giessen, Universitäts-HNO-Klinik.

Gesellschaft Deutscher Naturforscher und Ärzte: Bonn, Meckenheimer Allee 168; f. 1822; 6,000 mems.; Pres. Prof. Dr. O. KRATKY; Gen. Sec. Prof. Dr. H. J. ANTWEILER.

Gesellschaft für Physiologische Chemie (*Physiological Chemistry*): Wuppertal-Elberfeld, Friedrich-Ebert-str. 217; f. 1947; 650 mems.; Chair. Prof. Dr. THEODOR BÜCHER, Prof. Dr. OTTO WESTPHAL; Sec. Dr. ERNST AUHAGEN.

Physikalisch-medizinische Gesellschaft: Würzburg, Josef-Schneider-strasse 2; f. 1849; 155 mems.; Sec. Prof. Dr. HANS DU MONT; publ. *Berichte*.

NATURAL SCIENCES

General

Joachim Jungius-Gesellschaft der Wissenschaften e.V.: Hamburg 13, Edmund-Siemers-Alle 1; f. 1947; 48 individual mems., 7 mem. asscns.; Pres. Prof. Dr. W. MEVIUS; Vice-Pres. Prof. Dr. W. SCHOENE; publs. *Tagungsvorträge, Veröffentlichungen*.

Deutsche Entomologische Gesellschaft e.V. (*German Entomological Society*): 1 Berlin 33, Corrensplatz 1; f. 1856; 430 mems.; library of 25,000 vols.; Pres. Prof. Dr. R. KEILBACH; publs. *Deutsche Entomologische Zeitschrift* (quarterly), *Mitteilungen der Deutschen Entomologischen Gesellschaft* (bi-monthly).

Deutsche Gesellschaft für angewandte Entomologie: Berlin-Dahlem, Unter den Eichen 87; f. 1913; Pres. Prof. Dr. G. BECKER; publ. *Verhandlungen*.

Biological Sciences

Bayerische Botanische Gesellschaft (*Bavarian Botanical Society*): Munich 19, Menzingerstrasse 67; f. 1890; 700 mems.; library of 12,000 vols.; Pres. Dr. H. KÜGLER; Dr. A. BRESINSKY; publ. *Berichte der Bayerischen Botanischen Gesellschaft*.

Deutsche Botanische Gesellschaft: Berlin 37, Berlinerstrasse 79B; f. 1882; 897 mems.; Dir. Prof. Dr. ERNST TIEGS; publ. *Berichte* (12 times yearly).

Deutsche Gesellschaft für Züchtungskunde e.V.: Bonn, Koblenzer strasse 176; Manager Dr. TROG.

Deutsche Ornithologen-Gesellschaft e.V.: Möggingen über Radolfzell (Bodensee); f. 1850; 2,100 mems.; Pres. Dr. E. STRESEMANN; publs. *Journal für Ornithologie, Die Vogelwarte*.

Deutsche Zoologische Gesellschaft (*German Zoological Society*): 74 Tübingen, Beim Kupferhammer 8; f. 1890; 493 mems.; Chair. Prof. Dr. M. GERSCH; Sec. Prof. Dr. J. SCHWARTZKOPFF; publ. *Verhandlungen*.

Deutscher Naturkundeverein e.V.: Stuttgart Office: 725 Leonberg, Obere Burghalde 19; publ. *Die Natur*.

Naturwissenschaftlicher Verein in Hamburg (*Hamburg Natural Science Union*): Zoologisches Museum, v. Melle-Park 10, Hamburg 13; f. 1837; c. 450 mems.; Chair. Prof. Dr. K. KALLE; Dir. Dr. M. E. THIEL.

Naturwissenschaftlicher Verein zu Bremen (*Bremen Natural Science Union*): Bremen, Übersee-Museum; f. 1864; Sec. Dr. Th. KRUCKOW; about 400 mems.; publ. *Abhandlungen*.

Senckenbergische Naturforschende Gesellschaft: Frankfurt/Main, Senckenberganlage 25; Man.-Dir. Dr. W. KRAMER.

Verein Naturschutzpark e.V. (*Nature Reserves*): Hamburg 1, Ballindamm 2-3; f. 1909; 8,000 mems.; Pres. Dr. h.c. ALFRED TOEPFER; publ. *Naturschutz und Naturparke*.

Verein für vaterländische Naturkunde in Württemberg: Stuttgart, Schloss Rosenstein; f. 1844; 800 mems.; Pres. E. HÜBLER; publ. *Jahreshefte* (Editor Dr. H. JANUS).

Vereinigung für angewandte Botanik (*Applied Botany*): Berlin-Dahlem, Königin-Luise-strasse 19; f. 1902; *c.* 400 mems.; Pres. Prof. Dr. Dr. h.c. A. SCHEIBE; Sec. Prof. Dr. K. HASSEBRAUK; publ. *Angewandte Botanik* (irregular).

Mathematics

Berliner Mathematische Gesellschaft e.V. (*Berlin Mathematical Society*): 1 Berlin 12, Hardenbergstrasse 34; f. 1899; Chair. Prof. Dr. A. DINGHAS; publ. *Sitzungsberichte*.

Deutsche Mathematiker-Vereinigung e.V. (*German Mathematical Association*): Kiel, Mathematisches Seminar der Universität, Olshauserstrasse; Pres. Prof. Dr. H. BEHNKE; Sec. Prof. Dr. K. H. WEISE; publ. *Jahresbericht der DMV* (thrice yearly).

Gesellschaft für angewandte Mathematik und Mechanik (*Society for Applied Mathematics and Mechanics*): 51 Aachen, Templergraben 55; f. 1922; 1,300 mems.; Pres. Prof. Dr. Dr. h.c. LOTHAR COLLATZ; Sec. Prof. Dr. FRITZ REUTTER.

Physical Sciences

Astronomische Gesellschaft: Hamburg-Bergedorf, Hamburger Sternwarte; f. 1863; Pres. Prof. Dr. HANS HAFFNER.

Deutsche Bunsen-Gesellschaft für physikalische Chemie e.V.: Frankfurt a.M., Varrentrappstr. 40-42; f. 1894; 1,549 mems.; Dirs. Prof. Dr. A. STEINHOFER, Prof. Dr. W. JOST; Sec. Dr. L. SEIG.

Deutsche Geologische Gesellschaft: Hanover, Alfred-Bentz-Haus, Sven-Hedin-strasse; f. 1848; Pres. Prof. Dr. A. PILGER; publ. *Zeitschrift der Deutschen Geologischen Gesellschaft*.

Deutsche Geophysikalische Gesellschaft: Hamburg 13, Von Melle-Park 6; f. 1922; 300 mems.; Chair. Prof. Dr. HANS CLOSS; Sec. Prof. Dr. KARL BROCKS; publ. *Zeitschrift für Geophysik*.

Deutsche Gesellschaft für Elektronenmikroskopie e.V.: Frankfurt am Main, Farbwerke Hoechst A.G.; Dir. Dr. HELMUT KEHLER.

Deutsche Meteorologische Gesellschaft: Offenbach a.M., Frankfurterstr. 135 (br. at Frankfurt a.M.); f. 1948; Chair. Prof. Dr. R. MÜGGE; publ. *Meteorologische Rundschau* (bi-monthly).

Deutsche Mineralogische Gesellschaft (*German Mineralogical Society*): c/o Mineralogisches Institut der Universität des Saarlandes, Saarbrücken; f. 1908; Pres. Prof. Dr. WOLF VON ENGELHARDT; Sec. Prof. Dr. F. ROST; *c.* 600 mems.; publs. *Fortschritte der Mineralogie, Kristallographie, Petrographie*.

Deutsche Pharmakologische Gesellschaft: Marburg/Lahn, Pharmakologisches Institut d. Universität, Pilgrimstein 2; Chair. Prof. Dr. H. HERKEN; Sec. Prof. Dr. W. SCHMID.

Deutsche Pharmazeutische Gesellschaft e.V.: 61 Darmstadt, Frankfurterstr. 250; f. 1890; 3,047 mems.; Pres.

Prof. Dr. EUGEN BAUMANN; Sec.-Gen. Prof. Dr. K. G. KREBS; publs. *Archiv der Pharmazie* (monthly), *Mitteilungen der Deutschen Pharmazeutischen Gesellschaft* (monthly).

Deutsche Physikalische Gesellschaft e.V.: 645 Hanau, Heraeustr. 12-14; f. 1845; 4,300 mems.; Pres. Prof. Dr. F. BOPP; Sec. K.-H. RIEWE; publs. *Physikalische Berichte* (monthly), *Physikalische Verhandlungen D.P.G.* (monthly).

Deutscher Zentralausschuss für Chemie: Frankfurt a.M., Carl Bosch-Haus, Varrentrappstrasse, 40-42; Pres. Prof. Dr. RICHARD KUHN; Sec. Dr.-Ing. RUDOLF WOLF.

Deutsches Atomforum e.V.: 53 Bonn, Koblenzerstr. 240; f. 1959; promotes the peaceful uses of atomic energy; Pres. Prof. Dr. KARL WINNACKER; publ. *DAIF—Informationen.*

Geologische Vereinigung (*Geological Association*): Bonn, Nussallee 8 f. 1910; 1,300 mems.; Chair. Prof. Dr. R. BRINKMANN; publ. *Geologische Rundschau* (quarterly).

Gesellschaft Deutscher Chemiker: Frankfurt a.M., Carl Bosch-Haus, Varrentrappstrasse 40-42; f. 1946; 15,000 mems.; Sec. Dr. RUDOLF WOLF; publs. *Angewandte Chemie* (International Edition in English) (monthly), *Angewandte Chemie* (fortnightly), *Chemie-Ingenieur-Technik* (monthly), *Chemische Berichte* (monthly), *Chemisches Zentralblatt* (weekly), *Nachrichten aus Chemie und Technik* (fortnightly).

Isotopen-Studiengesellschaft: Frankfurt, Karlstr. 21; Dir. Prof. Dr. F. NALLINGER.

Meteorologische Gesellschaft in Hamburg: Hamburg 4, Bernhard-Nocht-str. 76; f. 1948; Sec. Dr. G. POGADE.

Paläontologische Gesellschaft: Hanover, 3392 Clausthal-Zellerfeld 1; f. 1912; Pres. Prof. Dr. E. VOIGT-HAMBURG; publ. *Paläontologische Zeitschrift.*

PHILOSOPHY AND PSYCHOLOGY

Allgemeine Gesellschaft für Philosophie in Deutschland e.V.: Heidelberg University; Pres. Prof. Dr. HANS-GEORG GADAMER; Sec. Dr. REINER WIEHL.

Deutsche Gesellschaft für Kulturmorphologie: Frankfurt a.M., Liebigstrasse 41; f. 1938; *c.* 500 mems.; Pres. Dr. JULIUS OVERHOFF; Dir. Prof. Dr. ADOLF ELLEGARD JENSEN; Sec. Dr. HILDEGARD KLEIN.

Deutsche Gesellschaft für Psychologie e.V.: 44 Münster, Universität, Psychologisches Institut; f. 1903; 312 mems.; Sec. Dr. H. HECKHAUSEN; publ. *Kongressberichte.*

Gesellschaft für Geistesgeschichte e.V. (*Society for the History of Ideas*): 852 Erlangen, Kochstr. 4; f. 1958; 105 mems.; Pres. Prof. Dr. JOACHIM SCHOEPS; Sec. KURT TÖPNER; publ. *Zeitschrift für Religions- und Geistesgeschichte.*

Hegel-Gesellschaft: Grünwald b. München; 263 mems.; Dir. Dr. W. R. BEYER; publ. *Hegel-Jahrbuch.*

Kant-Gesellschaft: Röttgen bei Bonn, Am alten Forsthaus 16, Bonn; f. 1904; 600 mems.; Dir. Prof. Dr. G. MARTIN.

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

Albertus Magnus-Institut: Bonn, Koblenzerstr. 19; f. 1931; 6 mems.; Dir. Prof. Dr. B. GEYER.

Berliner Gesellschaft für Anthropologie, Ethnologie und Urgeschichte (*Berlin Society for Anthropology, Ethnology and Pre-history*): Berlin 10, Spandauer-Damm, Schloss Langhansbau; f. 1869; Pres. Dr. ADRIAAN VON MÜLLER; Sec. GUSTAV MAHR.

Deutsche Gesellschaft für Anthropologie: Anthropologisches Institut, Albertstrasse 11, Freiburg i. Br.; Pres. Prof. Dr. Dr. H. BAITSCH.

Deutsche Gesellschaft für Soziologie: 6 Frankfurt am Main, Senckenberg-Anlage 26; Pres. Prof. Dr. OTTO STAMMER.

Deutsche Gesellschaft für Völkerkunde (*Ethnology*): Munich 22, Institut für Völkerkunde, Museuminsel 1; f. 1929; 221 mems.; Pres. Prof. Dr. H. BAUMANN; Sec. Dr. J. W. RAUM, M.A.; publ. *Zeitschrift für Ethnologie.*

Deutsche Gesellschaft für Volkskunde e.V. (*Folklore*): 3550 Marburg/Lahn, Roter Graben 10; f. 1904; 300 mems.; Pres. Prof. Dr. GERHARD HEILFURTH; publs. *Zeitschrift für Internationale Volkskundliche Bibliographie, Mitteilungen der Deutschen Gesellschaft für Volkskunde.*

Gesellschaft für Evangelische Theologie: Göttingen, Merkelstr. 49; f. 1940; Dir. Prof. D. E. WOLF.

Katholischer Akademischer Ausländer-Dienst: Bonn, Reuterstrasse 39; f. 1956; Pres. Frau Dr. M. A. LÜCKER, Dir. HANS REINER LIMBACH; co-ordinates activities of Catholic organisations concerned with foreign students in Germany and grants scholarships.

Rheinische Vereinigung für Volkskunde: Bonn, Poppelsdorfer Allee 25; f. 1947; Pres. Prof. Dr. KARL MEISEN; publs. *Mitteilungsblatt* (1948-49), *Rheinisches Jahrbuch für Volkskunde* (1950-), *Rheinisch-Westfälische Zeitschrift für Volkskunde* (quarterly; 1954-).

Soziographisches Institut an der Johann Wolfgang Goethe Universität (Frankfurt University): Frankfurt a.M., Schaumainkai 35; Pres. Dr. KURT BLAUM; Dir. Prof. Dr. LUDWIG NEUNDÖRFER.

TECHNOLOGY

DECHEMA Deutsche Gesellschaft für chemisches Apparatewesen e.V. (*Chemical Engineering*): Frankfurt a.M., Theodor-Heuss-Allee 25; f. 1926; 3,100 mems.; Pres. Prof. Dr.-Ing. Dr. rer. nat. h.c. KARL WINNACKER; Sec. Dr. rer. nat. DIETER BEHRENS; publs. *Chemie-Ingenieur-Technik, Werkstoffe und Korrosion* (both monthly), *Dechema-Werkstoff-Tabelle, Dechema Monographien, Dechema-Erfahrungs-austausch.*

Deutsche Gesellschaft für Bauingenieurwesen e.V. (*Constructional Engineering*): Karlsruhe, Barbarossaplatz 2; f. 1946; 490 mems.; Pres. Prof. Dr. WILHELM STRICKLER; Sec. Dipl. Ing. GERHART BOCHMANN.

Deutsche Gesellschaft für Holzforschung (*Wood Research*); Stuttgart-S, Danneckerstrasse 37; f. 1948; Pres. Dr. K. HEMPEL; Manager HEINRICH VON BODMAN.

Deutsche Gesellschaft für Metallkunde (*Metallurgy*): Köln-Marienburg, An der Alteburger Mühle 12; f. 1919; *c.* 1,010 mems.; Pres. Prof. Dr. G. GÜRTLER; Sec. Dr. B. TRAUTMANN; publ. *Zeitschrift für Metallkunde.*

Deutsche Gesellschaft für Photogrammetrie: Bad Godesberg, Waasemstr. 19-21, Landesvermessungsamt Nordrhein-Westfalen; f. 1909; 500 mems.; Pres. Prof. Dipl.-Ing. G. KRAUS.

Deutsche Glastechnische Gesellschaft e.V. (*Glass*): Frankfurt a.M., Bockenheimer Landstrasse 126; f. 1922; 780 mems.; library of 8,340 vols.; Chair. N. VON BÜLOW; Sec. Dr. Ing. WOLFGANG TRIER; publ. *Glastechnische Berichte.*

Deutsche Keramische Gesellschaft (*Ceramic Society*): 534 Bad Honnef/Rhein, Menzenberger str. 47; f. 1919; 1,350 mems.; Pres. Dr. G. CREMER; Sec. G. RECHENBERGER; publ. *Berichte der Deutschen Keramischen Gesellschaft.*

Deutscher Architekten- und Ingenieur-Verband (*Union of Architects and Engineers*): Frankfurt a.M., Gutleutstr. 163-167.

Deutscher Beton-Verein (*Concrete Asscn.*): Wiesbaden, Bahnhofstrasse 61; f. 1898; 255 mems. Pres. Dr.-Ing. HANS MINETTI; Sec. PETER MISCH; publs. *Betonbau des Inlandes, Betonbau des Auslandes.*

Deutscher Kältetechnischer Verein e.V. (*Refrigerating Asscn.*): 1 Berlin 52, Eichborndamm 129-139; f. 1909; 700 mems.; Pres. Prof. Dr.-Ing. Dr. K. NESSELMANN; Sec. Dr.-Ing. HANS SCHMIDT.

Deutscher Markscheider Verein e.V. (*Mining Surveyors*): Gelsenkirchen-Buer, Horster Strasse 165; Pres. Dr.-Ing. HERBERT SPICKERNAGEL.

Deutscher Normenausschuss (*Standards Committee*): 1 Berlin 15, Uhlandstrasse 175; f. 1917; Pres. Dr.-Ing. J. ULSAMER; Dir. Dipl.-Ing. N. LUDWIG; publ. *DIN-Mitteilungen* (monthly).

Deutscher Verband für Materialprüfung (*Materials Testing*): Dortmund-Aplerbeck, Marsbruchstr. 186; f. 1896; 220 mems.; Dir. Prof. Dr. H. DIERGARTEN.

Deutscher Verband für Schweisstechnik e.V. (*Welding Association*): Düsseldorf, Schadowstr. 42; Pres. Dipl.-Ing. ARTHUR GASSBERGER; Dir. Dr.-Ing. HEINZ SOSSENHEIMER; publs. *Schweissen und Schneiden, Der Praktiker Schweissen und Schneiden, Fachbuchreihe, Schweisstechnik, Referatendienst Schweissen und verwandte Verfahren, DVS Merkblätter.*

Deutscher Verband technisch-wissenschaftlicher Vereine (*Union of Technical and Scientific Asscns.*): Düsseldorf, Prinz-George-Strasse 77/79; Chair. Bundesminister a.D. Prof. Dr.-Ing. S. BALKE; Sec. Dr. F. W. LEHMANN.

Deutscher Verein für Vermessungswesen e.V. (*Surveying*): Bremen, An der Gete 47; f. 1871; *c.* 3,300 mems.; Pres. Dr.-Phil. H. RÖHRS; publ. *Zeitschrift für Vermessungswesen* (monthly).

Deutscher Verein von Gas- und Wasserfachmännern (*Gas and Water Engineers*): Frankfurt a.M., Theodor-Heuss-Allee 90-98; f. 1859; 2,972 mems.; Pres. GEORG DÜWEL; Sec.-Gen. Dr.-Ing. KARL ERICH SCHICKHARDT and Dipl.-Ing. BERNHARD NAENDORF.

Deutscher Wasser-Wirtschafts- und Wasserkraft-Verband (*Water Power Assn.*): Berlin 12, Strasse des 17 Juni; Pres. Dr.-Ing. H. PREUSS.

Institut für gewerbliche Wasserwirtschaft und Luftreinhaltung e.V. (*Industrial Water Supply and Clean Air*): Cologne, Habsburgerring 2-12; f. 1956; 2,500 mems.; Dir. Dr. WILLI GÄSSLER; publs. *IWL-Kurzberichte, Wasser, Luft und Betrieb* (monthlies), *IWV-Yorum* (annual).

Lichttechnische Gesellschaft e.V.: 1 Berlin 12, Hardenbergstr. 34; Dir. Dipl.-Ing. A. F. SPITTA.

Nachrichtentechnische Gesellschaft im VDE (NTG) (*Telecommunication Association*): Frankfurt a.M., S.10, Stresemann Allee 21; f. 1964; 5,700 mems.; Chair. Staatssekretör Dipl.-Ing. HELMUT BORNEMANN; Sec. Dr.-Ing. HANS BURGHOFF; publ. *Nachrichtentechnische Zeitschrift.*

Rationalisierungs-Kuratorium der Deutschen Wirtschaft (RKW) (*Business Efficiency Board*): Frankfurt a.M., Gutleut. 163-167; f. 1921; 5,200 mems.; Pres. ERNST-WOLF MOMMSEN; Senior Sec. Dr. HEINZ LÜBECK; Secs. Dipl.-Ing. WERNER BLANCKE, Dr. H. W. BÜTTNER, Dr. H. RÜHLE VON LILIENSTERN; publ. *Rationalisierung* (monthly).

Verband Deutscher Elektrotechniker (VDE) e.V. (*Association of German Electrical Engineers*): Frankfurt a.M. S.10, Stresemann Allee 21; f. 1893; 22,000 mems.; Chair. Dir. i.R. Dipl.-Ing. GUSTAV VON AMMON; Sec. Dr. FRANZ LAUSTER; publs. *Elektrotechnische Zeitschrift, VDE-Vorschriften, VDE-Fachberichte, VDE-Buchreihe, VDE Schnellberichte.*

Verein der Zellstoff- und Papier-Chemiker und Ingenieure e.V. (*Cellulose Chemists and Engineers*): Darmstadt, Rheinstrasse 51; f. 1905; 1,407 mems.; Pres. Dr.-Ing. W. KILPPER; Sec. Dipl.-Ing. K. SCHIEL; Librarian Prof. Dr.-Ing. GEORG JAYME; publ. *Das Papier.*

Verein Deutscher Giessereifachleute (*Foundry Engineers*): Dusseldorf, Sohnstrasse 70; f. 1909; Chair. Prof. Dr.-Ing. R. SPOLDERS; Sec. Dr.-Ing. PH. SCHNEIDER; publs. *Giesserei* (fortnightly), *Giesserei, Technisch-Wissenschaftliche Beihefte* (quarterly).

Verein Deutscher Ingenieure (*Engineers*): 4 Düsseldorf 10, Prinz-Georg-strasse 77/79; f. 1856; 50,000 mems.; Dir. Dr.-Ing. HEINRICH GRÜNEWALD; publs. *VDI-Zeitschrift* (three times a month), *VDI-Nachrichten* (weekly), etc.

Vereinigung Deutscher Schmelzhütten (*Welders*): Düsseldorf, Graf-Adolf-strasse 18; Pres. Dr. JOACHIM SEIBEL.

Wissenschaftliche Gesellschaft für Luft-und Raumfahrt e.V. (W.G.L.R.) (*Air and Space Travel*): Cologne, Martinstrasse 40-42; f. 1912; 1,500 mems.; Pres. Prof. Dr. Dr. L. BRANDT; Vice-Pres. Prof. Dr. Ing. G. BOCK; Sc. Dir. Dr.-Ing. H. LÖHNER; publs. *Zeitschrift für Flugwissenschaften, Jahrbücher der WGL.*

Wissenschaftlicher Verein für Verkehrswesen e.V. (WVV) (*Science of Transport*): 43 Essen, Zweigerstr. 34; f. 1949; 200 mems.; Pres. ERICH THIEMER.

RESEARCH INSTITUTES

MAX-PLANCK-GESELLSCHAFT ZUR FÖRDERUNG DER WISSENSCHAFTEN e.V.

(Max Planck Society for the Advancement of Science)

GÖTTINGEN, BUNSENSTRASSE 10

Supersedes the former Kaiser-Wilhelm-Gesellschaft, Berlin (f. 1911).

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Max-Planck-Institut für Eisenforschung (*Iron*): Düsseldorf, Max-Planck-strasse 1; Dir. Prof. Dr. WILLY OELSEN.

Max-Planck-Institut für Eiweiss- und Lederforschung (*Protein and Leather Research*): Munich 15, Schillerstr. 46; Dir. Prof. Dr. WOLFGANG GRASSMANN.

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Fritz-Haber-Institut der Max-Planck-Gesellschaft z.F.d.W. (*Physical Chemistry*): Berlin-Dahlem, Faradayweg 4-6; Dir. Prof. Dr. RUDOLF BRILL; Deputy Dir. Prof. Dr. I. N. STRANSKI.

Abteilung für physikalische Chemie: Berlin-Dahlem, Faradayweg 4-6; Dir. Prof. Dr. I. N. STRANSKI.

Institut für Elektronenmikroskopie: Berlin-Dahlem, Faradayweg 4-6; Dir. Prof. Dr. ERNST RUSKA.

Max-Planck-Institut für Hirnforschung (*Brain Research*): Frankfurt/Main-Niederrad, Deutschordenstr. 46; Man. Dir. Prof. Dr. WILHELM TÖNNIS.

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Abteilung für Tumorforschung und experimentelle Pathologie: Köln-Lindenthal, Goldenfelsstr. 21; Dir. Prof. Dr. WILHELM TÖNNIS.

Abteilung für allgemeine Neurologie: Köln-Merheim, Ostmerheimerstr. 200; Dir. Prof. Dr. KLAUS JOACHIM ZÜLCH.

Hydrobiologische Anstalt der Max-Planck-Gesellschaft z.F.d.W. (*Hydro-biology*): Plön/Holstein, August-Thienemannstr. 2; Man. Dir. Prof. Dr. HARALD SIOLI.

Zweigstelle (*Branch*): Limnologische Flussstation Schlitz, 6407 Schlitz/Hessen, Steinweg 21; Dir. Dr. WERNER SATTLER.

Max-Planck-Institut für Immunbiologie (*Immunisation Biology*): Freiburg-Zähringen, Stübeweg 51; Dir. Prof. Dr. OTTO WESTPHAL.

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Kardiologische Abteilung: Bad Nauheim, Sprudelhof; Head Prof. Dr. RUDOLF KNEBEL.

Max-Planck-Institut für Kernphysik (*Nuclear Physics*): Heidelberg, Saupfercheckweg; Dir. Prof. Dr. WOLFGANG GENTNER.

Max-Planck-Institut für Kohlenforschung (*Coal*): Mülheim/Ruhr, Kaiser-Wilhelm-Platz 1; Dir. Prof. Dr. KARL ZIEGLER.

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Limnologische Station Niederrhein in der Max-Planck-Gesellschaft z.F.d.W.: Krefeld-Hülserberg, Am Waldwinkel 70; Head (Vacant).

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Institut für Chemie: Dir. Prof. Dr. RICHARD KUHN.

Institut für Physik: Dir. (Komm.) Dr. WOLFGANG GENTNER.

Institut für Physiologie: Dir. Prof. Dr. HANS HERMANN WEBER.

Medizinische Forschungsanstalt der Max-Planck-Gesellschaft z.F.d.W. (*Medicine*): Göttingen, Hermann-Reinstr. 3; Man. Dir. Prof. Dr. WERNER KOLL.

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Max-Planck-Institut für Meeresbiologie (*Marine Biology*): Wilhelmshaven, Anton-Dohrn-Weg; Dir. Prof. Dr. JOACHIM HÄMMERLING; Deputy Dir. Prof. Dr. HANS BAUER.

Abteilung Bauer: Tübingen, Melanchthonstr. 36.

Max-Planck-Institut für Metallforschung (*Metallurgy*): Stuttgart-N, Seestrasse 75; Man. Dir. Prof. Dr. WERNER KÖSTER.

Institut für Metallkunde: Dir. Prof. Dr. WERNER KÖSTER.

Abteilung für Sondermetalle: Stuttgart-N, Seestr. 92; Head Prof. Dr.-Ing. ERICH GEBHARDT.

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Institut für extraterrestrische Physik: 8046 Garching bei München; Dir. Dr. REIMAR LÜST.

Max-Planck-Institut für ausländisches und internationales Privatrecht (*Foreign and International Private Law*): Hamburg 13, Mittelweg 187; Dir. Prof. Dr. KONRAD ZWEIGERT.

Deutsche Forschungsanstalt für Psychiatrie (Max-Planck-Institut) (*Psychiatry*): Munich 23, Kraepelinstrasse 2; Man. Dir. Prof. Dr. GERD PETERS.

Theoretisches Institut: Dir. Prof. Dr. GERD PETERS.

Klinisches Institut: Dir. Prof. Dr. DETLEV PLOOG.

Max-Planck-Institut für ausländisches öffentliches Recht und Völkerrecht (*Foreign Public Law and Common Law*): Heidelberg, Berlinerstrasse 48; Dir. Prof. Dr. HERMANN MOSLER.

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Max-Planck-Institut für Silikatforschung (*Silicates*): Würzburg, Neunerplatz 2; Dir. Prof. Dr. ADOLF DIETZEL.

Forschungsstelle für Spektroskopie in der Max-Planck-Gesellschaft z.F.d.W. (*Spectroscopy*): Göttingen, Bunsenstrasse 10; Head (vacant).

Max-Planck-Institut für Strömungsforschung (*Aerodynamics*): Göttingen, Böttingerstrasse 6-8; Dir. Prof. Dr. WALTER TOLLMIEN.

Abteilung Reibungsforschung (*Friction*): Göttingen, Bunsenstr. 10; Head Prof. Dr. GEORG VOGELPOHL.

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Vogelwarte Radolfzell (formerly **Vogelwarte Rossitten**) (*Ornithology*): Schloss Möggingen über Radolfzell (Bodensee); Head Dr. KONRAD LORENZ; Deputy Dir. Dr. R. KUHK.

Max-Planck-Institut für Virusforschung: Tübingen, Spemannstr. 35; Dir. Prof. Dr. GERHARD SCHRAMM.

Abteilung für Biochemie: Dir. Prof. Dr. GERHARD SCHRAMM.

Abteiling für Physikalische Biologie: Dir. Prof. Dr. HANS FRIEDRICH-FREKSA.

Biologisch-medizinische Abteilung: Dir. Prof. Dr. WERNER SCHÄFER.

Molekular-Biologische Abteilung: Head Prof. Dr. ALFRED GIERER.

Max-Planck-Institut für Zellchemie: Munich 2, Karlstr. 25; Dir. Prof. Dr. FEODOR LYNEN.

Max-Planck-Institut für Zellphysiologie (*Cells*): Berlin-Dahlem, Garystrasse 32; Dir. Prof. Dr. OTTO WARBURG.

Max-Planck-Institut für Züchtungsforschung (Erwin-Baur-Institut) (*Breeding*): Köln-Vogelsang and Scharnhorst, Post Basse über Wunstorf; Dir. Prof. Dr. JOSEF STRAUB.

Institut für Bildungsforschung in der Max-Planck-Gesellschaft: Berlin 31 (Wilmersdorf), Blissestr. 2; Dir. Prof. HELLMUT BECKER.

Institut für Dokumentationswesen: 6000 Frankfurt a.M. 1, Vogtstr. 50; Dir. Dr. MARTIN CREMER.

Minerva Gesellschaft für die Forschung m.b.H.: 8000 Munich 1, Residenzstr. 1a; Manager Dr. HANS BALLREICH.

Institut für Plasmaphysik G.m.b.H.: 8000 Munich 2, Promenadeplatz 9 II; Managers Dr. ERNST TELSCHOW and Dr. GÜNTER LEHR.

Zentralwerkstatt Göttingen G.m.b.H.: 3400 Göttingen, Bunsenstr. 10; Managers Dr. ERNST TELSCHOW and Dipl.-Ing. KARL NEIDERREITHER.

Deutsche Forschungsgemeinschaft (*German Research Association*): Bad Godesberg, Kennedyallee 40; f. 1920, re-established 1949 for the area of the Federal Republic; provides financial and other assistance for research; in 1964 distributed DM. 146,000,000 (including special funds); members: all universities, the Academies of Sciences, certain scientific and teaching institutions; mem. of the International Council of Scientific Unions; Pres. Prof. Dr. JULIUS SPEER; Vice-Pres. Prof. Dr. HANS-JOCHEM AUTRUM, Prof. Dr. HANS GEORG BECK, Prof. Dr. OTTO MOHR, Prof. Dr. WILHELM WALCHER; Dir.-Gen. Dr. ERNST HELLMUT VITS; Gen. Sec. Dr. CARL-HEINZ SCHIEL.

Deutsche Gesellschaft für Forschung e.V.: Bad Godesberg, Frankengraben 40.

AGRICULTURE AND VETERINARY SCIENCE

Deutsche Gesellschaft für Hopfenforschung (*Hops Research*): Wolnzach-Markt, Preysingstr. 10/1; Pres. Sen. H. PFÜLF.

Forschungsanstalt für Landwirtschaft (*Agricultural Research Centre*): Braunschweig-Völkenrode, 3301 Brunswick, Bundesallee 50; f. 1949; library of 72,000 vols.; Pres. Prof. Dr. H. FRESE; Gen. Sec. Prof. Dr. K. H. OLSEN; 12 institutes for specialised agricultural research; publs. *Landbauforschung Völkenrode* (2 or 3 per year), *Annual Report*.

Forschungsgesellschaft für Agrarpolitik und Agrarsoziologie: Bonn, Nussallee 21; f. 1952; 50 mems.; Dir. Dr. C. VON DIETZE; Sec. Dr. B. VAN DEENEN.

Forschungsrat für Ernährung, Landwirtschaft und Forsten e.V. (*Food, Agriculture and Forestry Research Council*): Bad Godesberg, Heerstr. 110; f. 1946; Pres. Prof. Dr. Dr. Dr. h.c. H. KRAUT.

Verband Deutscher Landwirtschaftlicher Untersuchungs- und Forschungsanstalten e.V.: Darmstadt, Rheinstrasse 91; 97 member asscns. and 243 other mems.; Pres. Prof. Dr. LUDWIG SCHMITT; publ. *Landwirtschaftliche Forschung*.

ARCHITECTURE AND TOWN PLANNING

Deutsche Akademie für Städtebau und Landesplanung (*Town and Country Planning*): 5 Cologne, Hohenzollernring 79/81; Pres. Prof. Dr.-Ing. J. W. HOLLATZ.

THE ARTS

Deutscher Kunstrat e.V.: Cologne, Goebenstrasse 10-12; Dir. Dr. ERNST THIELE.

Gesellschaft für Musikforschung: Kassel, Heinrich-Schütz-Allee 35; f. 1946; 1,000 mems.; Pres. Prof. Dr. KARL GUSTAV FELLERER; Sec. Dr. RICHARD BAUM; publ. *Die Musikforschung* (quarterly).

Staatliches Institut für Musikforschung der Stiftung Preussischer Kulturbesitz: 1 Berlin 15, Bundesallee 1-12; f. 1935; collects musicological material, instruments, records, phonograms and tape recordings; conducts research into the development and history of musical instruments and the style and practice of executing music of the past; also musicological archival and documentary research and comparative musicological research; research in German folk-music; the comprehensive collection of musical instruments is open to the public; library of over 10,000 vols.; lectures, concerts; Dir. and Head of the collection of musical instruments Dr. ALFRED BERNER; Head of the Department of folk music Dr. FRITZ BOSE; Head of the Library Dr. WERNER BOLLERT.

Zentralinstitut für Kunstgeschichte in München (*Hisjory of Art*): Munich 2, Meiserstr. 10; f. 1946; 120,000 vols.; 140,000 photographs; Dir. Prof. Dr. LUDWIG H. HEYDENREICH; Librarian Dr. HERBERT KEUTNER; publs. *Veröffentlichungen des Zentralinst. f. Kunstgesch.*, *Kunstchronik*, *Reallexikon zur deutschen Kunstgeschichte*, *Münchner Jahrbuch der bildenden Kunst* (with the Bavarian State Museums).

BIBLIOGRAPHY AND LIBRARY SCIENCE

Gutenberg-Gesellschaft (*Gutenberg Society*): Mainz, Liebfrauenplatz 5; f. 1901; for the publication of research work on the art of book printing from Gutenberg until the present day; 1,700 mems.; Pres. The Lord Mayor of the City of Mainz; Chair. Prof. Dr. RUPPEL; publs. *Gutenberg-Jahrbuch*, *Kleine Drucke*, *Veröffentlichungen*, etc.

ECONOMICS, LAW AND POLITICS

Arbeitsgemeinschaft deutscher wirtschaftswissenschaftlicher Forschungsinstitute e.V. (*Association of German Economic Science Research Institutes*): Bonn, Koblenzerstr. 170; f. 1949; 24 mems.; Chair. Prof. Dr. FERDINAND FRIEDENSBURG; Sec.-Gen. Dr. WOLFGANG HANSTEIN; affiliates the following institutes:

Deutsches Institut für Wirtschaftsforschung (Institut für Konjunkturforschung) (*German Institute for Economic Research*): Berlin 33, Königin-Luise-strasse 5; Pres. Prof. Dr. Dr. h.c. FERDINAND FRIEDENSBURG.

Institut für Ausländische Landwirtschaft der Technischen Univ. Berlin: Berlin 33, Podbielskiallee 64; Dir. Prof. Dr. P. VON BLANKENBURG.

Abteilung für Osteuropäische Wirtschaft des Osteuropa-Instituts an der Freien Universität Berlin (*Economics Department of the East European Institute of Berlin Free University*): Berlin 33, Garystrasse 55; Dir. Prof. Dr. K. C. THALHEIM.

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Forschungsinstitut für Wirtschaftsfragen der Entwicklungsländer (*Research Institute for Economic Questions of Developing Countries*); Bonn, Gierenweg 19; Dir. Prof. Dr. Dr. h.c. F. BAADE.

Institut für landwirtschaftliche Marktforschung (*Institute for Agricultural Market Research*): Braunschweig-Völkenrode, Bundesallee 50; Dir. Prof. Dr. O. STRECKER.

Bremer Ausschuss für Wirtschaftsforschung (*Bremen Committee for Economic Research*): Bremen 1, Bahnhofsplatz 29; Dir. Dr. W. GATZ.

Rheinisch-Westfälisches Institut für Wirtschaftsforschung (*Rhenish-Westphalian Institute for Economic Research*): Essen, Hohenzollernstrasse 1; Dir. Prof. Dr. TH. WESSELS.

Institut für Agrarwissenschaft der Universität Freiburg i. Br. (*Institute for Agricultural Science, Freiburg University*): Freiburg i. Br., Kollegiengebände II; Dir. Prof. Dr. C. VON DIETZE.

Hamburgisches Welt-Wirtschafts-Archiv (*Hamburg World Economic Archives*): Hamburg 36, Karl-Muck-Platz 1; Dir. Prof. Dr. H. ORTLIEB.

Institut für Weltwirtschaft an der Universität Kiel (*Institute for World Economics at Kiel University*): Kiel, Düsternbrooker Weg 120/122; Dir. Prof. Dr. Dr. h.c. ERICH SCHNEIDER.

Deutsches Institut zur Förderung des industriellen Führungsnachwuchses (*German Institute for the Promotion of Industrial Management Training*): Köln-Marienburg, Mehlemer strasse 13; Dir. Dr. H. HELLWIG.

Energiewirtschaftliches Institut an der Universität zu Köln (*Institute for the Economics of Energy, University of Cologne*): Köln-Lindenthal, Albertus-Magnus-Platz; Dir. Prof. Dr. TH. WESSELS.

Institut für Handelsforschung an der Universität zu Köln (*Cologne University Institute for Trade Research*): Köln-Lindenthal, Albertus-Magnus-Platz; Dir. Prof. Dr. E. SUNDHOFF.

Institut für Selbsthilfe und Sozialforschung e.V. (*Institute for Social Research and Self-Help*): Cologne, Apostelnstr. 9; Dir. Prof. Dr. O. BLUME.

Institut für Wirtschaftspolitik an der Universität zu Köln (*Cologne University Institute for Economic Policy*): Köln-Lindenthal, Albertus-Magnus-Platz; Dir. Prof. Dr. h.c. A. MÜLLER-ARMACK.

Wirtschaftswissenschaftliches Institut der Gewerkschaften (*Trade Unions' Economic Research Institute*): Cologne, Domkloster 3; Dir. Prof. Dr. B. GLEITZE.

Forschungsinstitut für Wirtschaftspolitik an der Universität Mainz (*Mainz University Institute for Economic Research*): Mainz, Universität, Haus Recht und Wirtschaft; Dir. Prof. Dr. ERICH WELTER.

IFO-Institut für Wirtschaftsforschung (*Institute for Economic Research*): Munich 27, Poschingerstrasse 5; Chair. Prof. Dr. K. HETTLAGE.

Deutsches Wirtschaftswissenschaftliches Institut für Fremdenverkehr an der Universität München (*Economic Institute for Tourism*): Munich 2, Herman-Sack-strasse 2; Dirs. Prof. Dr. B. PFISTER, Prof. Dr. O. HINTNER.

Forschungsstelle für allgemeine und textile Marktwirtschaft an der Universität Münster (*Research Institute for general and textile marketing*): Münster i.W., Am Stadtgraben 9; Dir. Prof. Dr. WALTER HOFFMANN.

G.f.K.—Nürnberg, Gesellschaft für Konsum-, Markt- und Absatzforschung e.V. (*Society for Market Research*): Nuremberg, Burgschmietstrasse 2; Dir. Prof. Dr. G. BERGLER.

Institut für Angewandte Wirtschaftsforschung (*Institute for Applied Economic Research*): Tübingen, Biesingerstr. 25; Dir. Prof. Dr. A. OTT.

Statistisches Bundesamt (*Central Statistical Office*): Wiesbaden, Gustav-Streseman-Ring 11; Pres. Dipl.-Kfm. P. SCHMIDT.

Arbeitsgemeinschaft Sozialwissenschaftlicher Institute e.V. (*Association of Social Institutes*): Bonn, Koblenzerstrasse 75; f. 1947; 29 mems.; Pres. Prof. Dr. LUDWIG NEUNDÖRFER; Gen. Sec. Dr. HORST HEIDERMANN; publ. *Soziale Welt* (quarterly).

Arnold Bergstraesser Institut: 78 Freiburg im Breisgau, Erbprinzenstr. 18; socio-political research; Dir. Prof. Dr. D. OBERNDÖRFER.

Forschungssausschuss der Vereinigung für die Wissenschaft von der Politik: Marburg, Georg Voigtstr. 7a; Dir. Dr. W. ABENDROTH.

Gesellschaft für Wirtschaftswissenschaftliche und Soziologische Forschung (*Economic and Sociological Research*): Bad Nauheim, Kursstrasse 9; Pres. Prof. Dr. P. DIEHL.

GfK-Gesellschaft für Konsumforschung e.V. (*Consumer Research*): Nuremberg, Burgschmietstrasse 2; f. 1934; 600 mems.; Dirs. Prof. Dr. G. BERGLER, Dr. P. W. MEYER, Dipl.-Kfm. W. OTT; publs. *Jahrbuch für Absatz- und Verbrauchsforschung* (quarterly), *Sonderdienst* (bimonthly), *Marktwirtschaft und Verbrauch* (annual), *GfK-Kaufkraftkarte und Kennziffer* (annual), *Marketing Information* (monthly).

Institut Finanzen und Steuern e.V. (*Finance and Taxation Institute*): Bonn, Markt 14; f. 1949; Pres. Prof. Dr. Dr. HANS PAGENKOPF; Sec. Dr. WOLFGANG KRUG VON NIDDA.

Institut für Internationales Recht an der Universität Kiel (*Institute for International Law at the University of Kiel*): Kiel, Daenische strasse 15; f. 1914; studies and research in public and private international law, foreign law, comparative law and radio law; library of 50,000 vols.; U.N. Depositary Library; Dirs. Prof. Dr. EBERHARD MENZEL, Prof. Dr. VIKTOR BOEHMERT; Librarian INGRID BUETTNER; publs. *Jahrbuch für Internationales Recht* (in collaboration with the Research Institute for Foreign Public Law and International Law, Hamburg), *Veröffentlichungen des Instituts für Intern. Recht a. d. Univ. Kiel, Dokumente.*

Internationales Forschungsinstitut für Staatssoziologie und Politik: Freiburg, Postschliessfach 1622; Dir. Dr. M. VAERTING.

EDUCATION

Deutscher Ausschuss für das Erziehungs- und Bildungswesen (*Education and Culture*): Bonn, Konig-strasse 61; Pres. Dr. THEODOR PFIZER.

Deutsches Institut für Internationale Pädagogische Forschung: 6 Frankfurt am Main W. 13, Schlossstr. 29; f. 1952; educational research; Pres. Dr. HEINRICH ROTH; Dir. Dr. WALTER SCHULTZE; library of 60,000 vols.; publ. *Mitteilungen und Nachrichten* (quarterly).

HISTORY, GEOGRAPHY AND ARCHÆOLOGY

Deutsches Archäologisches Institut (*Archæological Institute*): Berlin 33, Peter-Lenné-str. 28-30; f. 1829; Pres. Prof. Dr. KURT BITTEL; brs. in Rome (Prof. Dr. THEODOR KRAUS), Athens (Prof. Dr. E. KUNZE), Istanbul (Prof. Dr.-Ing. RUDOLF NAUMANN), Madrid (Prof. Dr. H. SCHLUNK), Cairo (Prof. Dr. H. STOCK), Baghdad (Prof. Dr. H.-J. LENZEN), and Teheran (Prof. Dr. H. LUSCHEY); also Römisch-Germanische Kommission, Frankfurt am Main (Prof. Dr. W. KRÄMER); publs. *Jahrbuch, Berichte der Römisch-Germanischen-Kommission, Germania, Athenische Mitteilungen, Römische Mitteilungen, Istanbuler Mitteilungen, Istanbuler Forschungen, Mitteilungen der Abteilung Kairo, Madrider Mitteilungen, Teheraner Forschungen, Grabungspublikationen, Monographien,* etc.

Institut für Europäische Geschichte (*European History*): Mainz, Alte Universitätsstrasse 19; Dirs. Prof. Dr. M. GÖHRING and Prof. DDr. J. LORTZ.

LANGUAGE AND LITERATURE

Deutsche Akademie für Sprache und Dichtung: Darmstadt, Ernst-Ludwig-Haus; Pres. Prof. HERMANN KASACK; Vice-Pres. KASIMIR EDSCHMID; Gen. Sec. Dr. ERNST JOHANN.

Forschungsinstitut für deutsche Sprache "Deutscher Sprachatlas" an der Philipps-Universität Marburg (*Central Research Institute for German, connected with the University of Marburg*): Marburg/Lahn, Kaffweg 3; f. 1876; 54 mems.; library of 11,000 vols., language, maps and atlases; Dir. Prof. Dr. L. E. SCHMITT; publs. *Deutscher Sprachatlas* (128 maps 1926-1956), *Deutscher Wortatlas* (14 vols. 1951-1965), *Regionalatlanten des deutschen Sprachgebiets* (5 vols. so far), *Deutsche Dialektgeographie* (69 vols. 1908-1965), *Deutsche Wortforschung in europäischen Bezügen* (4 vols. so far), *Zeitschrift für Mundartforschung* (annually).

MEDICINE

Balneologisches Institut bei der Universität München (*Institute of Medical Hydrology*): Munich 55, Martinsriederstr. 17; f. 1951; 25 mems.; Chemical Section: Dep. Dir. Prof. Dr. K.-E. QUENTIN; Medical and Climatological Section: Dep. Dir. Dr. H. VON BRAUNBEHRENS.

Bernhard-Nocht-Institut für Schiffs- und Tropenkrankheiten (*Naval and Tropical Diseases*): Hamburg, 4, Bernhard-Nocht-Strasse 74; f. 1900; Dir. Prof. Dr. HANS VOGEL.

Chemotherapeutisches Forschungsinstitut Georg-Speyer-Haus: Frankfurt a.M. Süd, Paul-Ehrlich-strasse 42; f. 1906; Dir. Prof. Dr. Dr. h.c. RICHARD PRIGGE.

C.u. O. Vogt-Institut für Hirnforschung (*Brain Research*): 7828 Neustadt/Schwarzwald; f. 1937; Dir. Prof. Dr. A. HOPF; publ. *Journal für Hirnforschung.*

Deutsche Forschungsanstalt für Tuberkulose e.V.: Munich 15, Pettenkofer-strasse 14b; Ludolph-Brauer-Institut; f. 1912; 93 mems.; Dir. Prof. Dr. HUGO BRAUN.

Deutsche Gesellschaft für Allergieforschung (*Allergy Research*): Tübingen, Liebermeisterstr. 8; Dir. Prof. Dr. E. LETTERER.

Deutsche Gesellschaft für Kreislaufforschung (*Research into the Circulation of the Blood*): 6350 Bad Nauheim; f. 1927; 928 mems.; Sec. S. GAISENHAINER; publ. *Verhandlungen der Deutchen Gesellschaft für Kreislaufforschung* (annual).

Geomedizinische Forschungsstelle der Heidelberger Akademie der Wissenschaften: Heidelberg, Kaiserstr. 14; f. 1952; 50 mems.; library of 3,000 vols.; Dir. Prof. Dr. JUSATZ; publs. *World Atlas of Epidemic Diseases* (3 vols. 1952-1961), *World Maps of Climatology.*

Gesellschaft zur Förderung der Lufthygiene und Silikoseforschung: Düsseldorf, Witzelstr. 109; Dir. HAUGG.

Gesellschaft zur Förderung medizin-meteorologischer Forschung: Hamburg, Moorweidenstr. 14; f. 1952; 57 mems.; Pres. Prof. Dr. R. SCHULZE.

Gollwitzer-Meier-Institut: Staatsbad Oeynhausen; Dir. Prof. Dr. L. DELIUS.

Medizinisches Institut für Lufthygiene und Silikoseforschung an der Medizinischen Akademie Düsseldorf (*Clean Air and Silicosis Research*): Düsseldorf, Hospitalerstr. 1; f. 1962; 44 mems.; Dir. Prof. Dr. med. H.-W. SCHLIPKÖTER.

Paul-Ehrlich-Institut, Staatliche Anstalt für experimentelle Therapie: Frankfurt a.M.-Süd, Paul-Ehrlich-strasse 44; f. 1899; Dir. Prof. Dr. Dr. h.c. RICHARD PRIGGE.

Wissenschaftliche Vereinigung für Ultraschallforschung e.V. (*Supersonic Research*): 50 Aachen, Luisenhospital; Dir. Dr. REIMAR POHLMAN; Sec. Prof. Dr. K. WOEBER; publ. *Rehabilitation.*

NATURAL SCIENCES

General

Fraunhofer-Gesellschaft zur Förderung der angewandten Forschung: Munich 19, Romanstrasse 13; f. 1949; 450 mems.; Pres. Dr. HERMANN VON SIEMENS; Sec. A. EPP.

Biological Sciences

Ferdinand-Blum-Institut für experimentelle Biologie: Frankfurt/Main, Paul-Ehrlich-str. 42a; f. 1911; Dir. Prof. Dr. Dr. h.c. RICHARD PRIGGE.

Institut für Meeresforschung (*Marine Research*): Bremerhaven, Am Handelshafen 12; Dir. Prof. Dr. SEBASTIAN GERLACH.

Institut für Vogelforschung-Vogelwarte Helgoland (*Ornithological Research*): 294 Wilhelmshaven, Vogelwarteninsel; re-opened 1947; biology, migration studies, ringing centre, ecology, morphology, ethology and parasitology of sea-birds, etc.; Dir. Dr. FRIEDRICH GOETHE.

Internationale Gesellschaft für Nahrungs- und Vitalstoffforschung: Hannover-Kirchrode, Bemeroderstr. 61; Dir. Prof. Dr. H. A. SCHWEIGART.

Kohlenstoffbiologische Forschungsstation e.V.: 46 Dortmund, Bunsen-Kirchoff-str. 13; Dir. Prof. Dr. HEINRICH KRAUT.

Naturforschende Gesellschaft: Bamberg, Heiliggrabstrasse 61; f. 1834; 140 mems.; 18,000 vols.; Pres. Prof. Dr. J. DIETZ; Sec. Dr. G. HORNUNG; publ. *Bericht*.

Naturforschende Gesellschaft Freiburg i. Br.: Freiburg i. Br., Hebelstrasse 40; f. 1821; 250 mems.; Pres. and Ed. Prof. Dr. M. PFANNENSTIEL; publ. *Berichte*.

Staatsinstitut für Allgemeine Botanik und Botanischer Garten (*State Institute for General Botany and Botanic Garden*): 2 Hamburg F36, 36 Jungiusstrasse 6; f. 1821; Dir. Prof. Dr. HORST DRAWERT; publ. *Mitteilungen*.

Staatsinstitut für Angewandte Botanik (*State Institute of Applied Botany at Hamburg University*): Hamburg 36, Bei den Kirchhöfen 14; f. 1898; research on trade, agriculture and horticulture; Dir. Prof. Dr. U. RUGE.

Mathematics

Mathematisches Forschungsinstitut (*Mathematical Research Institute*): Oberwolfach-Walke, Schwarzwald, Lorenzenhof; Dir. Prof. Dr. MARTIN BARNER.

Rechenzentrum am Institut für Angewandte Mathematik der Universität Freiburg im Breisgau (*Computation Centre in the Institute of Applied Mathematics, University of Freiburg im Breisgau*): Hebelstr. 40, Freiburg i.Br.; Dirs. Prof. Dr. H. GÖRTLER and Prof. Dr. J. NITSCHE.

Physical Sciences

Astronomisches Institut der Universität Bonn: Bonn, Poppelsdorfer Allee 49; includes Observatorium Hoher List, Radio-telescope Stockert and Institute of Astrophysics and Extraterrestrial Research; 39 mems.; Dir. Prof. Dr. W. PRIESTER.

Astronomisches Institut der Universität: Münster, Steinfurterstr. 107; Dir. Prof. Dr. H. STRASSL.

Astronomisches Institut der Universität: Tübingen, Waldhäuser strasse 64 and Weissenau bei Ravensburg; Dir. (Vacant).

Astronomisches Institut der Universität Frankfurt: Frankfurt a.M., Senckenberg-Anlage 23; f. 1907; Dir. Prof. Dr. W. GLEISSBERG.

Astronomisches Institut und Sternwarte: Universität Würzburg, Würzburg; Dir. Prof. Dr. HERMANN SCHMIDT, Prof. em. Dr. OTTO VOLK.

Bochum Observatory and Institute of Satellite and Space Research: Bochum, Blankensteinerstr. 200a; 16 mems.; the radio telescope receives ultra-short range radio waves; there is also a planetarium; Dir. HEINRICH KAMINSKI.

Chemisches Staatsinstitut (*State Chemical Institute at Hamburg University*): Hamburg 36, Jungiusstrasse 1-9; f. 1878; Institute of Organic Chemistry, Dir. Prof. Dr. K. HEYNS; Institute of Inorganic Chemistry, Dir. Prof. Dr. R. NAST.

Deutsche Gesellschaft für Biophysik e.V.: 6 Frankfurt am Main, Kennedyallee 70; f. 1961; 150 mems.; Pres. Prof. Dr. H. MUTH; Sec. Prof. Dr. H. PAULY.

Deutsches Hydrographisches Institut: Hamburg 4, Bernhard Nochtstr. 78; f. 1945 (1861); under the Federal Ministry of Transport; oceanography, tides and currents, geomagnetism, time service, nautical technics, navigating methods, hydrographic surveying and nautical geodesy, bathymetry, sea-bed geology, ice information service, nautical charts and publications; library, hydrographic information service; Pres. Prof. Dr. H. U. ROLL; publs. *Deutsche Hydrographische Zeitschrift* (six per annum), *Der Seewart* (six per annum), *Jahresberichte*.

Deutscher Wetterdienst (*German Meteorological Service*): Offenbach, Frankfurter strasse 135; f. 1952; central service for the Federal Republic incorporating former zonal meteorological services; Pres. Dr. GEORG BELL.

Fraunhofer Institut: Freiburg i.Br., Schöneckstrasse 6; observatories at Freiburg/Schauinsland and Anacapri; f. 1942; Dir. Prof. Dr. K. O. KIEPENHEUER.

Geologisches Staatsinstitut (*State and University Geological Institute*): Hamburg 13, von-Melle-Park 11; f. 1907; Dir. Prof. Dr. EHRHARD VOIGT; publ. *Mitteilungen aus dem Geologischen Staatsinstitut in Hamburg* (annual).

Gesellschaft für Kernforschung m.b.H. (*Nuclear Research Centre*): Karlsruhe, Weberstr. 5; f. 1956; 2,700 mems.; Dir. Dr. R. GREIFELD; library of 16,000 vols.

Hahn-Meitner-Institut für Kernforschung Berlin (*Nuclear Research*): 1 Berlin 39 (-Wannsee), Glienickerstr. 100; f. 1957; library of 10,000 vols.

DIRECTORS:

Nuclear-Chemistry Section: Prof. Dr. KARL-ERIK ZIMEN.

Radiation-Chemistry Section: Prof. Dr. ARNIM HENGLEIN.

Mathematical Section: Prof. Dr. WOLFGANG HAACK.

Nuclear-Physics Section: Prof. Dr. KARL-HEINZ LINDENBERGER.

Reactor-Physics Department: Dr. KARL WASSERROTH.

Radiation-Physics Department: Priv. Doz. Dr. WOLFGANG JACOBI.

Electronic Department: Dr. KARL ZANDER.

Hamburger Sternwarte: Hamburg-Bergedorf, 112 Gojenbergsweg; f. 1830; astrometry, photometry, spectroscopy; library of 35,000 vols.; Dir. O. HECKMANN.

Institut für makromolekulare Chemie der Universität Freiburg i. Br. (*Research Institute for Macromolecular Chemistry*): Freiburg im Breisgau, Stefan-Meier-str. 31; Dir. Prof. Dr.E. HUSEMANN.

Institut für Spektrochemie und angewandte Spektroskopie: Dortmund, Bunsen-Kirchhoffstrasse.

Institut für Strahlen- und Kernphysik: Bonn, Nussallee 14-16; Dir. (vacant).

Institut für Technische Physik der Frauenhofer-Gesellschaft: Stuttgart-Degerloch, Königsträsse 70-74; research station at Holzkirchen (Oberbayern); Dir. Prof. Dr.-Ing. K. GÖSELE.

Institut für Theoretische Physik und Sternwarte der Universität Kiel: Kiel, Neue Universität, Haus C4/I, Olshausenstr.; theoretical physics, astrophysics; library of 20,000 vols.; Dir. Prof. Dr. h.c. ALBRECHT UNSOELD.

Landessternwarte auf dem Königstuhl bei Heidelberg: Heidelberg, Königstuhl; f. 1897; library of 15,000 vols.; Dir. Prof. BOHRMANN.

Physikalisches Staatsinstitut (*State Physical Institute at Hamburg University*): Hamburg 36, Jungiusstrasse 9; f. 1899; Dir. Prof. Dr. HUGO NEUERT.

Remeis-Sternwarte: Bamberg, Sternwartstr. 7; f. 1889; Astronomisches Institut der Universität Erlangen-Nürnberg; Dir. Dr. WOLFGANG STROHMEIER.

Universitäts-Sternwarte: Munich 27, Sternwartstrasse 23; f. 1816; Dir. Prof. Dr. P. WELLMANN.

Universitäts-Sternwarte Göttingen: Göttingen, Geismarlandstr. 11; f. 1734; solar physics and stellar photometry.

PHILOSOPHY AND PSYCHOLOGY

Institut für Psychologie der Universität Marburg (*Marburg University Institute of Psychology*): Marburg, Gutenbergstrasse 18; f. 1923; library of 7,000 vols. and periodicals; Dir. Prof. Dr. HEINRICH DÜKER.

Rheinisch-Westfälisches Gerichtspsychologisches Institut (*Rhenish-Westphalian Institute of Legal Psychology*): Münster (Westf.), Spiekerhof 6-8; Dir. Dr FRIEDRICH ARNTZEN.

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

Institut für Ethnologie der Freien Universität Berlin (*Institute for Ethnology of the Free University of Berlin*): Berlin 33, Thielallee 43; libarry of 11,000 vols.; Dir. Prof. Dr. SIGRID WESTPHAL-HELLBUSCH.

TECHNOLOGY

Arbeitsgemeinschaft Industrieller Forschungsvereinigungen e.V.: Cologne, Theodor-Heuss Ring 26; f. 1954; co-operation in scientific research of industrial importance; 60 mems.; Pres. Dr.-Ing. HERBERT STUSSIG; Dir.-Gen. Dr. EDGAR SCHULZ-FINCKE.

Battelle-Institut, Gemeinnützige Laboratorien für Vertragsforschung: Frankfurt/Main, Wiesbadener strasse; Dirs. Prof. Dr. MAX BARNICK, Dipl.-Kfm. WALTER OTTMAR.

Bergbau-Forschung (*Mining Research*): Essen-Kray, Dortmunderstr. 151; Dir. G. P. WINKHAUS.

Bundesanstalt für Materialprüfung (*Federal Institute for Materials Testing*): 1 Berlin 45 (Dahlem), Unter den Eichen 86/87; f. 1907; Pres. Prof. Dr.-Ing. MAX PFENDER.

Bundesforschungsanstalt für Lebensmittelfrischhaltung (*Federal Research Centre for Food Preservation*): Karlsruhe, Engesserstr. 20; f. 1936; library of 19,000 vols.; Dir. Prof. Dr. I. KUPRIANOFF; incorporates:

Institute for Biology and Physics.

Institute for Chemistry and Technology.

Institute for Radiation Technology.

Deutsche Forschungsanstalt für Lebensmittelchemie (*German Research Institute for Food Chemistry*): Munich, 23, Leopoldstrasse 175; f. 1918; Dir. Prof. Dr. S. WALTER SOUCI; publ. *Zeitschrift für Lebensmittel-Untersuchung und-Forschung.*

Deutsche Versuchsantalt für Luft- und Raumfahrt e.V. (*German Experimental Institute for Air and Space Travel*): Mülheim-Ruhr, Flughafen; Dir. Dr. PAUL STOCK.

Deutsches Forschungsinstitut für Textilindustrie (*Textiles*): Reutlingen, Kaiserstrasse 99; Dir. Prof. Dr.-Ing. Dr. ERWIN SCHENKEL.

Forschungsgemeinschaft Bauen und Wohnen (*Building*): Stuttgart 1., Hohenzollernstr. 25; Dir. H. BRENNER.

Forschungsheim für Wärmeschutz e.V. (*Heat Insulation, Testing, Research*): Dortmund, Von der Tann-strasse 42; f. 1916; Dir. Dipl.-Phys. WALTER CAMMERER.

Forschungsinstitut für die Chemie des Holzes und der Polysaccharide (*Research Institute for Wood and Polysaccharide Chemistry*): Heidelberg, Institut für Organische Chemie, Tiergartenstrasse; Dir. Prof. Dr. KARL FREUDENBERG.

Forschungsinstitut für Edelmetalle und Metallchemie: (*Rare Metals*): Schwäbisch-Gmünd, Katharinenstr. 17; Dir. Prof. Dr. ERNST RAUB.

Forschungsinstitut für Internationale Technische Zusammenarbeit (*Research Institute for International Technical Co-operation*): Rheinisch-Westfälische Technische Hochschule Aachen, 5100 Aachen, Theaterstr. 88; Dir. Prof. Dr.-Ing. HANS A. HAVEMANN.

Gesellschaft für Weltraumforschung (*Space Research*): Bad Godesberg; Technical Dir. Dipl.-Ing. OSCAR BAUSCHINGER.

Institut für Bauforschung (*Building Research*): Hanover, Wilhelmstr. 8; Dir. Prof. Dr.-Ing. W. TRIEBEL.

Institut für Erdölforschung (*Oil Research*): Hanover, Am Kleinen Felde 30; Dir. Prof. Dr. Gg. R. SCHULTZE.

Institut für Lebensmitteltechnologie und Verpackung (*Food Technology and Packaging*): Munich, 54, Schragenhofstrasse 35; f. 1941; Dir. Prof. Dr.-Ing. habil. RUDOLF HEISS.

Institut für Schiffahrtsforschung (*Institute for Shipping Research*): Bremen, Holler Allee 32; f. 1954; shipping, shipbuilding, sea-port economics; library of 12,000 vols., 432 periodicals; Dir. Dr. G. A. THEEL; publs. *Bremen World Shipping Yearbook, Shipping Statistics, Monthly figures of shipping, shipbuilding, sea-ports and sea-borne trade, Weltschiffahrts Archiv, Contributions to International Shipping Research, World Shipping Wall Map, Bremer Beiträge zur Schiffahrtsforschung.*

Institut für Werkstoffkunde der Technischen Hochschule Darmstadt (*Raw Materials Institute*): Darmstadt, Hochschulstrasse 1; Dir. Prof. Dr.-Ing. H. WIEGAND.

Landesanstalt für Immissions- und Bodennutzungsschutz des Landes Nordrhein-Westfalen: 43 Essen, Eststr. 160; f. 1963; research in the measurement, effects and control of air pollution; 200 mems.; Pres. Prof. Dr. med. Dr. phil. O. HETTCHE; publ. *Jahresberichte der Landesanstalt.*

Oskar von Miller Institut für Forschung in Wasserbau und Wasserwirtschaft: Obernach, Post Walchensee; laboratory and open-air research station for hydraulic engineering; affiliated to the Munich Technische Hochschule; Dir. Prof. Dr. F. HARTUNG.

Physikalisch-Technische Bundesanstalt (*National Phyiical and Technical Institute: Bureau of Standards*): Brunswick, Bundesallee 100; departments for Mechanics, Electricity, Heat, Optics, Acoustics and Atomic Physics; Pres. Prof. Dr.-Ing. M. KERSTEN; incorporates the **Institut Berlin**: 1 Berlin 12, Ernst Abbestrasse 2-12; Dir. Prof. Dr. K. FORGER.

Textilforschungsanstalt Krefeld e.V. (*Textile Research Institute*): Krefeld, Frankenring 2, Postfach 1061; f. 1920.

LIBRARIES AND ARCHIVES

AACHEN

Bibliothek der Technische Hochscule: Wüllnerstrasse; f. 1870; 197,800 vols.; Dir. Dr. phil. GERHART LOHSE.

Stadtbibliothek: Peterstr. 18/24; f. 1831; specialises in literature of the Benelux countries and historical works; 200,000 vols.; Dir. Dr. phil. H. M. MARTIN WERHAHN.

AUGSBURG

Staats- und Stadtbibliothek: Schaetzlerstr. 25; f. 1537; 325 000 vols.. 3,540 MSS., 3,060 incunabula, 16,000 drawings and engravings; Dir. Dr. JOSEF BELLOT.

BAD GODESBERG

Dokumentationsabteilung (Archiv für Hochschulreformfragen) der Westdeutschen Rektoren Konferenz: Ahrstrasse 39 (Westdeutsche Rektorenkonferenz); f. 1954; 8,500 vols., 300 periodicals, 50,000 records and acts; Head Dr. ROLF NEUHAUS.

Institut für Landeskunde, Zentralarchiv für Landeskunde von Deutschland (*Federal Institutes and Central Archives for the Study of German Customs and Regions*): 532 Bad Godesberg, Theaterstrasse, P.O. Box 130; f. 1941; 51,000 vols., 1,700 periodicals, maps (265,000 sheets), 900 atlasses; Dir. Prof. Dr. E. MEYNEN.

BAMBERG

Staatliche Bibliothek Bamberg: Jesuitenstr. 2; f. 1611; contains 230,000 vols.. including a special collection of old manuscripts (4,500), incunabula (3.400), and *objets d'art*; Chief Librarian Dr. FRIDOLIN DRESSLER; publ. *Katalog der MSS.*

BERLIN

Amerika-Gedenkbibliothek: Berliner Zentralbibliothek: 1-61, Blücherplatz; f. 1952; central public library of West Berlin; 320,000 vols.; Dir. Dr. FRITZ MOSER.

Berliner Medizinische Zentralbibliothek: Berlin 21, Invalidenstr. 52; 60,000 vols.; Dir. W. LADEMACHER; publs. *Monatl. Zss-Rundschau: Gesundheitsfürsorge, Gesundheitserziehung. Bibliographien z. Geschichte d. Medizin, Abt. 1: Biographien 1945-56, 1957-59.*

Geh. Staatsarchiv (Stiftung Preuss. Kulturbesitz): Berlin 33, Archivstrasse 12/14; f. 1598; approx. 75,000 vols.; Dir. Dr. ZIMMERMANN.

Ibero-Amerikanisches Institut: Berlin 45, Gärtnerstr. 25-32; f. 1930; dedicated to the Hispanic and Ibero-American nations; 360,000 vols.; Dir. Dr. H.-J. BOCK; publs. *Quellenwerke zur alten Geschichte Amerikas, aufgezeichnet in den Sprachen der Eingeborenen, Monumenta Americana, Bibliotheca Ibero-Americana.*

Kunstbibliothek (formerly **Staatl. Museum**): Berlin 12, Jebens-Str. 2; f. 1867; 120,000 vols., including the Lipperheidesche Kostumbibliothek; Dir. Dr. STEPHAN WAETZOLDT.

Universitätsbibliothek der Technischen Universität Berlin: Berlin 12, Hardenbergstr. 34; 250,000 vols.; Dir. Dr. PAUL KAEGBEIN.

Universitätsbibliothek der Freien Universität Berlin: Berlin 33, Garystrasse 39; 300,000 vols., 165,000 theses; Dir. Prof. Dr. WIELAND SCHMIDT.

BOCHUM

Universitätsbibliothek: f. 1963; 200,000 vols.; large collection of periodicals; magnetic tape catalogues and card index systems; Dr. G. PFLUG.

Stadtbücherei: Albertstr. 18; f. 1905; 194,000 vols.; Dir. Dr. phil. J. SCHULTHEIS.

BONN

Bibliothek der Deutschen Bundespost: 53 Koblenzerstr. 81; f. 1945; 500,000 vols.; Librarian Dr. jur. HANS GERSTENKORN.

Bibliothek des Deutschen Bundestages: Bundeshaus Görresstr. 15; 300,000 vols., 2,454 periodicals, 5,071 official periodicals, 515 newspapers and information pamphlets; special collections: 7,000 photographs, 3,200 vols. law archives, 12,405 maps, 1,633,000 press cuttings, 1,000,000 tape recordings, parliamentary records, election propaganda records; Dir. K. G. WERNICKE.

Bibliothek und Geographisch-Kartographischer Dienst des Auswärtigen Amts: Koblenzerstr. 99-103; 130,000 vols., 60,000 maps; Dir. K.-H. GRUNDMANN.

Stadtarchiv und Wissenschaftliche Stadtbibliothek: Quantiusstrasse 9; f. 1899; 56,974 vols.; Archivist and Librarian Prof. Dr. EDITH ENNEN; publ. *Bonner Geschichtsblätter* (yearly).

Universitätsbibliothek: Koblenserstr. 37-41; f. 1818; contains 840,000 vols.; Dir. Prof. Dr. VIKTOR BURR.

BREMEN

Staatsarchiv Bremen: Am Dobben 91; Dir. Dr. K. H. SCHWEBEL.

Staatsbibliothek: Breitenweg 27; f. 1660; 323,000 vols.; Dir. Dr. ROLFKLUTH.

BRUNSWICK

Bibliothek der Biologischen Bundesanstalt für Land- und Forstwirtschaft: Messeweg 11-12; f. 1950; contains approx. 14,000 vols., 800 periodicals, 30,000 reprints; Head Dr. habil. JOHANNES KRAUSE; publs. *Nachrichtenblatt des Deutschen Pflanzenschutzdienstes, Jahresberichte des Deutschen Pflanzenschutzdienstes, Verhandlungen des IV. Internationalen Pflanzenschutz-Kongresses* (2 vols.).

Bibliothek der Technischen Hochschule: Pockelsstr. 4; f. 1748; contains 190,000 vols.; Dir. Dr. FRITZ MEYEN; publ. *Jahresbericht.*

Stadtarchiv und Stadtbibliothek: Steintorwall 15; f. 1861; 175,000 vols.; Dir. Dr. RICHARD MODERHACK.

CLAUSTHAL-ZELLERFELD

Bibliothek der Bergakademie-Technische Hochschule: Leibnizstrasse; f. 1811; contains approx. 70,000 vols., 1,315 periodicals, 4,000 geological maps; Dir. Dr. G. GATTERMANN.

COBURG

Landesbibliothek: Ehrenburg; 275,000 vols.; Dir. Dr. CURT HÖFNER.

COLOGNE

Erzdiözesan- und Dombibliothek: Gereonstr. 2-4; 110,000 vols.; Librarian Direktor WILHELM SCHÖNARTZ.

Historisches Archiv: Gereonskloster 12; f. 1326, records date back to A.D. 875; 25,000 vols.; Dir. Dr. A. GÜTTSCHES; publs. *Mitteilungen aus dem Stadtarchiv von Köln.*

Universitäts- und Stadtbibliothek: Köln-Lindenthal, Albertus Magnus-Platz; f. 1919; approx. 1,150,000 vols.; Dir. W. KRIEG.

DARMSTADT

Hessische Landes- und Hochschulbibliothek Darmstadt: Schloss; f. 16th century; 850,000 vols., 4,220 MSS., 2,063 incunabula, 3,325 musicalia, 1,132,000 German patent papers: Dir. Dr. ERICH ZIMMERMANN.

Hessisches Staatsarchiv: Staatsarchiv, Schloss; f. 1567; Dir. Dr. FRIEDRICH KNOPP.

DETMOLD

Lippische Landesbibliothek Detmold: Hornschestr. 41; 210,000 vols., 4,265 MSS.; Dir. Dr. H. HAXEL.

DORTMUND

Stadt- und Landesbibliothek Dortmund: Hansaplatz; f. 1907; contains about 220,000 out of a former 320,000 vols.; special collection of MSS. and autographs and material on Westphalia; Dir. Dr. HANS M. MEYER.

Pädagogische Zentralbücherei des Landes Nordrhein-Westfalen: 46 Dortmund, Rheinlanddamm 203; f. 1946; 15 mems.; 104,872 vols., 521 periodicals; Dir. Prof. Dr. NOKOLAUS KOCH; publ. *Geschaftsstelle der Arbeitsgemeinschaft pädagogischer Bibliotheken.*

DUISBURG

Stadtbücherei: Friedrich-Wilhelmstr. 64; 225,000 vols.; Dir. W. SCHMITZ-VELTIN.

DÜSSELDORF

Hauptstaatsarchiv Düsseldorf: Prinz-Georg-str. 78; Dir. Dr. F. W. OEDIGER, Zweigarchiv Kalkum, Schloss-Kalkum, über Düsseldorf-Kaiserwerth.

Landes- und Stadt-Bibliothek: Grabbeplatz 5-7; f. 1770 by Kurfürst Karl Theodor; contains about 400,000 vols., 710 manuscripts, autographs of 19th and 20th centuries, incunabula and a special collection relating to the poet Heine; Dir. Dr. E. GALLEY.

Zentralbibliothek der Medizinischen Akademie: Moorenstr. 5; Dir. Dr. F. REDENBACHER.

ERLANGEN

Universitätsbibliothek: Universitätsstr. 4; f. 1743; *c.* 650,000 vols., 526,000 theses, 2,500 MSS., 150 papyri, 2,000 incunabula; Dir. Prof. Dr. F. REDENBACHER.

ESSEN

Stadtbüchereien: Hindenburgstr. 25; 320,000 vols.; Dir. C. JANSEN.

FRANKFURT A. M.

Bibliothek des Freien Deutschen Hochstiftes: Grosser Hirschgraben 23-25; 100,000 vols., 16,000 MSS.; Dir. Dr. J. RUMPF.

Deutsche Bibliothek: Zeppelinallee 8; f. 1946; 780,000 vols., 23,900 periodicals, published since 1945; Dir. Prof. Dr. KÖSTER; publs. *Deutsche Bibliographie* (weekly, half-yearly and five-yearly issues; special lists of periodicals, official publications and selected new books).

Städtische und Universitäts-Bibliotheken: Untermainkai 14; Dir. Dr. CL. KÖTTELWESCH.

Stadt- und Universitätsbibliothek: Untermainkai 14; f. 1668; collection of volumes on the humanities; 840,000 vols.

Senckenbergische Bibliothek: Senckenberg-Anlage 27; f. 1763; natural science and medicine; 512,000 vols.

FREIBURG I. BR.

Deutsches Volksliedarchiv (*German Folksong Archive*): Silberbachstr. 13; f. 1914; Dir. Prof. Dr. WILHELM HEISKE; publs. *Deutsche Volkslieder mit ihren Melodien, Jahrbuch für Volksliedforschung, Landschaftliche Volkslieder mit Bildern und Weisen.*

Universitätsbibliothek: Rempartstr. 15; f. 1457; contains about 1.3 million vols.; Dir. Dr. JOSEF BECKMANN.

FULDA

Landesbibliothek Fulda: Heinrich von Bibra-Platz 12; 145,000 vols.; Dir. Dr. F. PIEPER.

GIESSEN

Bibliothek der Justus Liebig-Universität Giessen (formerly Bibliothek der Ludwigs-Universität) (*Vereinigte Universitäts- und von Senckenbergische Bibliothek*): Bismarckstrasse 37; f. 1612; 300,000 vols. (before the war 560,000); 1,600 MSS.; 1,200 incunabula; 3,000 papyri; Dir. Dr. JOSEF SCHAWE.

GÖTTINGEN

Niedersächsische Staats- und Universitätsbibliothek: Prinzenstrasse 1; f. 1737; contains 1,726,232 vols., 9000 MSS.; 6,000 incunabula; Dir. W. GRUNWALD.

HAMBURG

Commerzbibliothek (Bibliothek der Handelskammer Hamburg): Börse; f. 1735; contains 85,000 (formerly 188,000) vols. on law, economics, social science and geography; Dir. HUBERT H. KELTIER.

Deutsches Bibel-Archiv: Hamburg 13, Moorweidenstr. 40; f. 1931; history of German translations of the Bible, and its place in German culture; library of 3,000 vols.; Dir. (vacant); publ. *Bibel und deutsche Kultur* (11 vols. so far).

Hamburgisches Welt-Wirtschafts-Archiv (*Hamburg Institute of World Economy*): Hamburg 36, Karl-Muck-Platz 1; f. 1908; 160 mems.; library of 451,600 vols. and 9,300,000 press cuttings; Dir. Prof. Dr. H.-D. ORTLIEB; publs. *Wirtschaftsdienst* (monthly in German and English), *Bibliographie der Wirtschaftspresse* (monthly), *Konjunktur von Morgen* (fortnightly).

Staatsarchiv: Rathaus; f. 1267; 60,000 vols.; Dir. Dr. JÜRGEN BOLLAND; publs. *Hamburgisches Urkundenbuch, Veröffentlichungen aus dem Staatsarchiv der Freien und Hansestadt Hamburg.*

Staats- und Universitätsbibliothek Hamburg: Moorweidenstrasse 40 (the former building in Speersort was completely destroyed); f. 1479; approx. 800,000 vols. and 3,000 MSS.; Dir. Prof. Dr. HERMANN TIEMANN; publs. *Neuerwerbungen der Staats- und Universitäts-Bibliothek Hamburg* (monthly), *Veröffentlichungen aus der Staats- und Universitäts-Bibliothek Hamburg.*

HANOVER

Bibliothek der Technischen Hochschule und Technische Informationsbibliothek (TIB): Welfengarten 1; f. 1831; library of 360,000 vols.; patent specifications taken out in Germany, standards, special emphasis on Russian technical literature; acts as central technical library of German Federal Republic; incorporates the Auswertungsstelle für wissenschaftliche und technische Literatur aus der Sowjetunion, and publishes title translations of Russian periodical articles; provides an express information service; acts as national translation pool for translations of Soviet bloc publications in co-operation with the European Translation Centre in Delft; Dir. Dr. E. VESPER.

Niedersächsische Landesbibliothek: Am Archive 1; f. 1665; 500,000 vols., 4,326 MSS. 80,000 autographs, 288 incunabula, several thousand maps, etchings, woodcuts, collection of seals and medals; Dir. Dr. WILHELM TOTOK.

Stadtbibliothek: Hildesheimer Str. 12; 245,000 vols.; 600 MSS.; Dir. Dr. J. EYSSEN.

HEIDELBERG

Bibliothek des Max-Planck-Instituts für Ausländisches Öffentliches Recht und Völkerrecht: Berlinerstr. 48; 100,000 vols.; Dir. O. STEINER.

Universitätsbibliothek: Plöck 107-109; f. 1390; 950,000 vols.; Dir. Prof. Dr. CARL WEHMER.

JÜLICH

Arbeitsgemeinschaft der Spezialbibliotheken: Zentralbibliothek der Kernforschungsanlage; f. 1945; 200 mems.; 36,000 vols.; Dir. Dr. G. REICHARDT.

KARLSRUHE

Badische Landesbibliothek: Am Nymphengarten; f. 1500; 350,000 vols.; 10,000 MSS; 1,200 incunabula; Dir. Dr. FRANZ SCHMITT.

Badisches General-Landesarchiv: Nördliche Hildapromenade 2; f. 1803; 120,000 documents, 42,000 MSS., 1,000,000 report files; Dir. Dr. PAUL ZINSMAIER; publ. *Zeitschrift für die Geschichte des Oberrheins.*

Bibliothek der Technischen Hochschule Fridericiana: Kaiserstr. 12; f. 1832; 220,000 vols.; Dir. Prof. Dr. R. OEHME.

Bibliothek des Bundesgerichtshofes: Herrenstr. 45; 125,000 vols.; Dir. Dr. H. KIRCHNER.

KASSEL

Murhardsche Bibliothek der Stadt Kassel und Landesbibliothek: Brüder Grimm-Platz 4A; f. 1863; contains 270,000 vols., 4,500 MSS., 7,400 music; 10,000 maps, 600,000 patent specifications; Dir. Dr. LUDWIG DENECKE.

KIEL

Bibliothek des Instituts für Weltwirtschaft an der Universität: Mecklenburger Str. 2-4, Kiel-Wik; 780,000 vols.; Librarian Dr. E. HEIDEMANN.

Schleswig-Holsteinische Landesbibliothek: Wik-Warnemünderstrasse 16/18; f. 1873; 76,000 vols.; Librarian Dr. OLAF KLOSE.

Universitätsbibliothek: Brunswikerstr. 2A; f. 1665; 460,000 vols., 338,750 theses; Dir. Dr. SCHMIDT-KÜNSEMÜLLER; Librarians Dr. PAUL KRETSCHMANN, Dr. ULRICH JOHANSSEN, Dr. OTFRIED WEBER, Dr. HANS SEYFFERT, Dr. MAX REICHEL, Dr. JOACHIM NEUMANN.

KOBLENZ

Bundesarchiv: Am Wöllershof 12; f. 1952; central archives of the Federal Republic; Dir. Dr. KARL G. BRUCHMANN.

LÜBECK

Bibliothek der Hansestadt Lübeck: Hundestr. 5; 345,000 vols.; Dir. P. KARSTEDT.

LUDWIGSBURG

Staatsarchiv: Schloss; f. 1868; Recorder Dr. WALTER GRUBE.

MAINZ

Stadtbibliothek (*City Library*): Rheinallee 3, 3/10; f 1477 as University Library, taken over by the City of Mainz in 1806; 375,000 vols., 2,362 incunabula, 1,135 MSS.; Dir. (vacant); publs. *Mainzer Zeitschrift, Beiträge zur Geschichte der Stadt Mainz.*

Universitätsbibliothek Mainz: Saarstr. 21; 378,000 vols., 580 MSS.; Dir. Dr. H. SAUTER.

MANNHEIM

Bibliothek der Wirtschaftshochschule Mannheim: Schloss; 128,000 vols.; Dir. Dr. G. FUHRMANN.

Wissenschaftliche Stadtbibliothek (*Municipal Scientific Library*): f. 1869; approx. 220,000 vols.; contains European and American printed books of 15th century to the present; Dir. Dr. HERBERT MEYER.

MARBACH A. NECKAR

Bibliothek des Schiller-Nationalmuseums: Schillerhöhe 10; 410,000 vols.; Librarian Dr. BERNHARD ZELLER.

MARBURG

Staatsbibliothek der Stiftung Preussicher Kulturbesitz: Marburg/Lahn, Universitätsstr. 25; f. 1946; 2,100,000 vols., 2,710 incunabula, 35,500 manuscripts, 300,000 autographs, 263,000 maps; includes the collection of the former Prussian State Library; Dir. Dr.-Ing. L. BORNGÄSSER; publ. *Jahresberichte.*

Universitätsbibliothek: Friedrichsplatz 15; f. 1527; contains about 500,000 vols., 450,000 theses, 2,529 manuscripts; Dir. Prof. Dr. WOLF HAENISCH.

MUNICH

Bayerische Staatsbibliothek: Ludwigstrasse 16; f. 1558; more than 2,000,000 vols.; c. 50,000 MSS., c. 20,000 incunabula; Gen. Dir. Dr. GUSTAV HOFMANN.

Bayerisches Hauptstaatsarchiv: Arcisstr. 12; f. 13th century, reorganised 1799; library of 120,000 vols.; comprises: (1) Allgemeines Staatsarchiv, Arcisstr. 12; 525,000 parchment documents, 560,000 records and acts, 18,000 maps and plans; (2) Geheimes Staatsarchiv, Leonrodstr. 57; 9,200 parchment documents, 191,000 records and acts, 500 maps and plans; (3) Geheimes Hausarchiv, Arcisstr. 12, 10,000 parchment documents, 113,000 records and acts; (4) Kriegsarchiv; Leonrodstr. 57, the former Heeresarchiv; 6,500 parchment documents, 865,000 records and acts, 500,000 maps and plans, 590,000 photos; (5) Staatsarchiv für Oberbayern, Himbselstr. 1a; 1,000 parchment documents 1,270,000 records and acts, 1,700 maps and plans; Gen. Dir. Prof. Dr. HEINZ LIEBERICH; publs. *Archivalische Zeitschrift, Bayer. Archivinventare, Mitt. f. d. Archivpflege in Bayern.*

Bibliothek der Technischen Hochschule: Arcisstr. 21; f. 1868; 240,000 vols.; Dir. Dr. J. WIEDER.

Bibliothek des Deutschen Museums: Museumsinsel 1, Munich 26; 410,000 vols.; Dir. Prof. Dr. FRIEDRICH KLEMM.

Bibliothek des Deutschen Patentamtes: Zweibruckenstr. 12, Munich 2; 421,000 vols.; Dir. Dr. NORBERT FISCHER.

Bucharchiv München (Institut für Buchwissenschaften): Munich 15, Pettenkoferstr. 18.

Internationale Vereinigung der Musik-Bibliotheken—Deutscher Zweig: Salvator Pl. 1; f. 1952; 120 mems.; Pres. Dr. KURT DORFMÜLLER; Sec.-Gen. Dr. ALFONS OTT.

Stadtarchiv München: Winzererstrasse 68; f. 1893; 35,000 vols., 38,000 documents; Dirs. Dr. H. VOGEL, Dr. M. SCHATTENHOFER.

Stadtbibliothek: Marienplatz 8 (Rathaus); 450,000 vols.; Dir. Dr. HANS SCHMEER.

Universitätsbibliothek: Geschw.-Scholl-Platz 1; f. 1472; 820,000 vols., 4,234 MSS.; Dir. Dr. MAX HACKELSPERGER.

MÜNCHEN GLADBACH

Stadtbibliothek: f. 1965; 185,000 vols.; special collection on social questions, 1890-1930.

MÜNSTER

Universitätsbibliothek: Bispinghof 24/25; f. 1773, refounded 1902; contains about 888,000 vols.; Dir. GERHARD LIEBERS.

NUREMBERG

Bayer. Staatsarchiv Nürnberg: Archivstr. 17; Dir. Dr. F. SCHNELBÖGL.

Bibliothek des Germanischen National Museums: Untere Grasergasse 18; 268,000 vols.; Dir. Dr. WULF SCHADENDORF.

Landeskirchliches Archiv der Evangelischen-Lutheranischen Kirche in Bayern: Veilhofstrasse 28.

Stadtbibliothek: Egidienplatz 23; 325,000 vols.; Dir. Dr. KARLHEINZ GOLDMANN.

Universitätsbibliothek Erlangen-Nürnberg, Abteilung Wirtschafts- und Sozialwissenschaften Nürnberg: Ergidienplatz 23; 75,000 vols.; Dir. Dr. JULIE POEHLMANN.

OLDENBURG I. O.

Landesbibliothek Oldenburg: Ofenerstr. 15; f. 1792; c. 225,000 vols., 319 MSS.; Dir. Dr. W. G. FISCHER; Librarian Dr. W. BARTON.

SAARBRÜCKEN

Universitätsbibliothek: St. Johanner Stadtwald (medical faculty in Homburg, Saar); f. 1950; 420,000 vols., 95,000 theses; Dir. Dr. HANS CORDES.

SPEYER

Pfälzische Landesbibliothek: Johannesstr. 22A; f. 1921; contains 341,000 vols. on all subjects, with special reference to the Palatinate and the Saar; Dir. WOLFGANG METZ; Librarians HANS WINTERSCHEIDT, HEINZ PFLAUME.

STUTTGART

Bibliothek der Technischen Hochschule: Holzgartenstr. 16; contains about 180,000 vols., 50,000 theses, and 2,500 German and foreign periodicals; Dir. Dr. MANFRED KOSCHLIG.

Bibliothek des Instituts für Auslandsbeziehungen: Charlottenplatz 17; f. 1917; 187,000 vols., 10,000 maps, 3,500 periodicals regularly; Dir. ELIZABETH SCHMIDT.

Bibliothek für Zeitgeschichte-Weltkriegsbücherei: Urbanstr. 19; f. 1915; current history, political sciences, military sciences, especially concerning World Wars I and II; 140,000 vols. and special collections (photographs, maps, leaflets, stamps, etc.); Dir. Dr. JÜRGEN ROHWER; publs. *Jahresbibliographie, Schriftenreihe.*

Bücherei der Staatlichen Hochschule für Musik und Darstellende Kunst: Urbansplatz 2; f. 1857; 19,000 vols.; Dir. Prof. HERMANN REUTTER; Librarian Dr. URSULA LEHMANN.

Haupt-Staatsarchiv: Gutenbergstr. 109; f. 1500; Dir. Prof. Dr. MAX MILLER; publs. *Veröffentlichungen der Wurtt. Archivverwaltung, Vol.* 1-5, *Württ. Archivinventare,* 1-24, *Veröffentlichungen der Staatlichen Archivverwaltung Baden-Württemberg,* Vol. 1-10, *Inventare nichtstaatlicher Archive,* Vol. 1-8.

Landesgewerbeamt Baden-Württemberg, Bibliothek für Technik Kunst u. Wirtschaft: Kanzleistr. 19; f. 1848; 55,000 vols.; German, Swiss and Austrian patents and American and British abstracts; Dir. W. LINCKE.

Stadtarchiv und Rathausbücherei Stuttgart: Im Rathaus, Eichstr.; archives f. 1928; 55,000 vols., thousands of documents; large collection of maps, pictures and drawings, coins and medallions; Dir. Dr. HERMANN VIETZEN; publ. *Veröffentlichungen des Archivs der Stadt Stuttgart.*

Württembergische Landesbibliothek: Neckarstrasse 8; f. 1765; 840,000 vols. and pamphlets on all branches of knowledge; many incunabula; large collection of old Bibles and several thousand MSS.; Dir. WILHELM HOFFMANN, PH.D.

TRIER (TRÈVES)

Bibliothek des Priesterseminars Trier: Jesuitenstr. 13; f. 1805; contains about 120,000 vols. on philosophy and theology, 190 theological manuscripts, and 70 incunabula; Librarian HERMANN RIES.

Stadtbibliothek Trier: Weberbach 25; f. 1803; developed from the former Jesuit and University Library and opened to the public in 1775; contains 250,000 books, 4,000 manuscripts and about 2,500 incunabula; scientific library; Chief Librarian Dr. RICHARD LAUFNER; publ. *Trierisches Jahrbuch.*

TÜBINGEN

Universitätsbibliothek: Wilhelmstr. 32; f. in last quarter of 15th century; contains 800,000 vols., 460,000 theses; Dir. Dr. W. GEBHARDT.

WIESBADEN

Bibliothek des Statistischen Bundesamtes: Gustav-Stresemann-Ring 11; f. 1948; contains 100,000 vols. and 3,000 statistical periodicals; Chief Librarian Dr. L. KAISER; publ. *Zugangsverzeichnisse.*

Hauptstaatsarchiv Wiesbaden: Mainzerstr. 80; Dir. Dr. OTTO RENKHOFF.

Nassauische Landesbibliothek: Rheinstr. 55-57; f. 1813; contains about 377,000 vols., manuscripts and incunalula; Dir. Dr. FRANZ GÖTTING.

WOLFENBÜTTEL

Herzog-August Bibliothek: Lessingplatz 1, P.O. 227; f. 1604; contains 400,000 vols., 8,000 manuscripts, 4,000 incunabula; Dir. Dr. ERHART KÄSTNER.

Niedersächsisches Staatsarchiv: Wolfenbüttel, Forstweg 2; f. 16th century; official library, containing documents and records of the province of Brunswick; c. 50,000 vols.; Dir. Dr. HERMANN KLEINAU.

WORMS

Stadtarchiv: Marktplatz 10; large collection of records, documents and maps; Dir. Dr. GEORG ILLERT.

Stadtbibliothek: Marktplatz 10; f. 1881; 120,000 vols., 150 incunabula; special collections on Luther and Kant; Dir. Dr. GEORG ILLERT; publ. *Der Wormsgau.*

WÜRZBURG

Universitätsbibliothek: Domerschulgasse 16; f. 1619; contains about 400,000 vols. out of a former 500,000, incunabula, manuscripts, papyri; special Franconian collection; Dir. Dr. MAX PAUER.

MUSEUMS AND ART GALLERIES

AACHEN

Internationales Zeitungsmuseum der Stadt Aachen (*International Newspaper Museum*): Pontstr. 13; f. 1885; collection of over 100,000 newspapers; Dir. BERNHARD POLL.

BAYREUTH

Richard - Wagner - Gedenkstätte: Glasenappweg, Neues Schloss; f. 1926; Dir. Dr. JOACHIM BERGFELD.

BERLIN

Staatliche Museen der Stiftung Preussischer Kulturbesitz (West Berlin): Berlin-Dahlem, Arnimallee 23; Gen. Dir. Dr. STEPHAN WÄTZOLD; supervises the following museums and collections:

Ägyptische Abteilung (*Egyptian Antiquities*): Dir. Dr. W. KAISER.

Antikenabteilung (*Greek and Roman Antiquities*): Dir. Dr. A. GREIFENHAGEN.

Islamische Abteilung (*Islamic Art and Antiquities*): Dir. Dr. J. ZICK (*ad interim*).

Skulpturen Abteilung (*Sculpture Department*): Dir. Prof. Dr. P. METZ.

Gemäldegalerie (*Gallery of Old Masters' Paintings*): Dir. Prof. Dr. R. OERTEL.

Nationalgalerie (*National Gallery*): Dir. Dr. H. BRAUER (*ad interim*).

Kupferstichkabinett (*Department of Prints and Drawings*): Dir. Dr. H. MÖHLE.

Kunstgewerbemuseum (*Applied Arts Museum*): Dir. Dr. A. SCHÖNBERGER.

Kunstbibliothek (*Art Library*): Dir. Dr. S. WAETZOLDT.

Museum für Vor- und Frühgeschichte (*Museum of Pre- and Early History*): Dir. Dr. A. VON MUELLER.

Museum für Volkerkunde (*Ethnological Museum*): Dir. Dr. KURT KRIEGER.

Indische Kunstabteilung (*Department of Indian Art*): Dir. Dr. H. HÄRTEL.

Museum für Deutsche Volkskunde (*Museum of German Folklore*): Dir. Dr. L. PRETZELL.

Ostasiatische Kunstabteilung (*Collection of Far Eastern Art*): Dir. Dr. R. GOEPPER.

Musuemsbibliothek (*Museum Library*): Dir. Dr. F. STEENBOCK.

Gipsformerei (*Plaster Cast House*): Keeper E. KRETSCHMANN.

Galerie des 20. Jahrhunderts: Berlin-Charlottenburg, Jebensstrasse 2; Dir. Dr. ADOLF JANNASCH.

Verwaltung der Staatlichen Schlösser und Gärten, West-Berlin (*Administration of the Prussian Castles and Gardens*): Schloss Charlottenburg; the administration controls Charlottenburg Castle, Grunewald Hunting Castle (with collection of paintings) and Peacock Island (Castle and Park); Dir. Dr. MARGARETE KÜHN.

BIELEFELD

Deutsches Spielkarten-Museum in Bielefeld e.V. (*Playing Cards Museum*): Sparrenburg.

BONN

Beethoven-Archiv: Bonngasse 18; f. 1927; Dir. Prof. Dr. SCHMIDT-GÖRG.

Beethoven-Haus: Bonngasse 20; f. 1889; Beethoven's birthplace; Dir. H. J. ABS.

Rheinisches Landesmuseum in Bonn (*Rhineland Museum in Bonn*): Colmantstr. 16; f. 1820; prehistoric, Roman and Frankish antiquities of the Rhineland; Rhenish sculpture, painting and applied arts up to the 20th century; Netherland painting; 35,000 vols.; Dir. Dr. HARALD V. PETRIKOVITS; Heads of Depts.: Dr. FRITZ GOLDKUHLE (Medieval and Modern Art Dept.), Dr. JÜRGEN DRIEHAUS (Prehistory), Dr. WILHELMINE HAGEN (Numismatics), WALDEMAR HABEREY (Roman Dept.), Dr. ADOLF HERRNBRODT (Excavations), Dr. HUGO BORGER (Medieval Ecclesiastical Archaeology), Dr. INGEBORG KIEKEBUSCH (Archives), Dr. KLAUS WINKLER (Education); publs. *Bonner Jahrbücher des Rheinischen Landesmuseums und des Vereins von Altertumsfreunden im Rheinlande* (since 1842).

Städtische Kunstsammlungen: Rathausgasse; pictures from the former Museum Obernier; collections of 18th- and 19th-century and modern works; Dir. Dr. WALTER HOLZHAUSEN.

Zoologisches Forschungsinstitut und Museum Alexander Koenig (*Zoological Research Institute and Alexander Koenig Museum*): Koblenzerstr. 150-164; f. 1929; macroscopic zoology—vertebrates and insects; library of ca. 51,000 vols.; Dir. Prof. Dr. M. EISENTRAUT; publ. *Bonner Zoologische Beiträge.*

BREMEN

Focke-Museum (*District Museum for Art and Culture*): Schwachhauser Heerstr. 240; Dir. Dr. WERNER KLOOS.

Kunsthalle Bremen: Am Wall 207; f. 1823; European paintings, sculpture, prints and drawings from the 15th century; Dir. Dr. GÜNTER BUSCH.

Überseemuseum: Bahnhofsplatz 13; f. 1896; ethnology, commerce, natural history; library of 40,000 vols.; Dir. Dr. HERMANN FRIEDRICH.

BRUNSWICK

Herzog Anton Ulrich-Museum (former Landesmuseum): Museumstr. 1; f. 1754; collection includes old pictures, prints and drawings, medieval art, ceramics, carvings in ivory, collection of lace, coins, etc.; Dir. Dr. G. ADRIANI; Curators Dr. H. W. SCHMIDT, Dr. B. HEDERGOTT; publs. *Kurzes Verzeichnis der Gemäldesammlung, Zeichnungen alter Meister, Die Braunschweiger Elfenbeinsammlung, Spitzen von der Renaissance bis zum Empire, Corpus vasorum antiquorum, Kunsthefte des Herzog Anton Ulrich-Museums* 1-10, *Geschichte des Herzog-Anton-Ulrich-Museums.*

Städtisches Museum: Steintorwall 14; f. 1861; collections illustrate topography, history and culture of the town; 19th and 20th century paintings, cabinet of medals (all periods and territories, with about 80,000 pieces); ethnographical collection; 11,000 vols.; Curator Dr. B. BILZER; publs. *Werkstücke aus Museum, Archiv und Bibliothek der Stadt Braunschweig, Arbeitsberichte aus dem Städtischen Museum, Catalogues.*

COLOGNE

Kölnisches Stadtmuseum im Zeughaus: Zeughausstr. 1-3; f. 1888; reopened 1953; Dir. Dr. FRANZ BRILL; Curators Dr. WERNER JÜTTNER, Dr. M. L. SCHWERING.

Kunstgewerbemuseum: Hansaring 32A; f. 1888; Head Dr. ERICH KÖLLMANN.

Museum für Ostasiatische Kunst: Hansaring 32A; f. 1913; Dir. Prof. (vacant).

Rautenstrauch-Joest-Museum: Ubierring 45; f. 1901; 60,000 objects, 18,000 vols.; ethnological museum; Dir. Prof. Dr. W. FROEHLICH; Asst. Heads Dr. W. STOEHR, Dr. J. BOLZ; publ. *Ethnologica, Neue Folge.*

Römisch-Germanisches Museum: Roncalliplatz (Domhof) 2; Dir. Dr. OTTO DOPPELFELD; Curators Dr. PETER LA BAUME, Dr. FRIED MÜHLBERG, Dr. WOLFGANG BINSFELD; publ. *Kölner Jahrbuch für Vor- und Frühgeschichte.*

Schnütgen-Museum: Cäcilienkloster 19; f. 1906; 6,000 vols.; religious art of the middle ages; Dir. Prof. Dr. HERMANN SCHNITZLER.

Wallraf-Richartz-Museum: An der Rechtschule; f. 1824; paintings, modern sculpture, prints, library; Dir. Prof. Dr. GERT VON DER OSTEN; publ. *Wallraf-Richartz-Jahrbuch.*

DARMSTADT

Grossherzogliche Porzellansammlung: Prinz-Georg-Palais, Im Schlossgarten 7; f. 1907; European porcelain, paintings, furniture, faïence; Owner LUDWIG, Prinz VON HESSEN UND BEI RHEIN; Curator GUDRUN ILLGEN.

Jagdmuseum Schloss Kranichstein: Schloss Kranichstein; f. 1918; pictures, hunting trophies and weapons, furnished rooms; owned by STIFTUNG HESSISCHER JÄGERHOF; Dir. ERNST HOFMANN.

Kunst- und Histor., Praehistor., Geolog.-Palaeontolog. und Zoolog. Sammlungen des Hessischen Landesmuseums: Friedensplatz 1; f. 1790; Dir. Dr. GERHARD BOTT; Curators Dr. GISELA BERGSTRÄSSER, Dr. K. DEGEN, Dr. H. RAGALLER, Dr. W. BEEH, Dr. G. SCHEER, Dr. R. HEIL, Prof. Dr. HEINZ TOBIEN.

Schlossmuseum: Residenzschloss; f. 1920; Holbein Madonna, furnished rooms, ceremonial carriages and harness; Owner LUDWIG, Prinz VON HESSEN UND BEI RHEIN; Dir. ERNST HOFMANN.

DORTMUND

Museum für Kunst und Kulturgeschichte Dortmund (*Dortmund Museum of Art and Cultural History*): Schloss Cappenberg bei Lünen/Westf.; f. 1883; collections include medieval Westphalian sculpture, Westphalian furniture of 15th-19th centuries, German and European objets d'art, etc.; library of 3,000 vols.; museum building in Dortmund destroyed during Second World War; Dir. Dr. ROLF FRITZ.

DÜSSELDORF

Kunstmuseum der Stadt Düsseldorf: Ehrenhof 5; Dir. Dr. WEND VON KALNEIN.

Löbbecke-Museum und Aquarium: Museumsbunker am Zoo; Dir. H. SIELOFF.

Neandertal-Museum (*Museum of Prehistory: Ice-Age Preserve*): 402 Mettmann (Düsseldorf), Neandertal, Thekhauserquall 2.

ESSEN

Museum Folkwang: Bismarckstr. 64; Dir. Dr. P. VOGT.

FLENSBURG

Städtisches Museum, Flensburg (*Municipal Museum*): f. 1878; contains about 21,000 exhibits, mainly arts and crafts, peasant art and prehistory of Schleswig; library of *c.* 12,000 vols.; Dir. Dr. E. REDLEFSEN; publs. *Nordelbingen, Beiträge zur Heimatforschung in Schleswig-Holstein, Hamburg und Lübeck* (Vols. 1-34, 1923-65).

FRANKFURT A.M.

Natur-Museum und Forschungs-Institut Senckenberg: Senckenberg-Anlage 25; f. 1817; natural history; Dir. Prof. Dr. ROB MERTENS; Chief Curators Prof. Dr. RICHARD KRÄUSEL, Dr. WOLFGANG STRUVE, Dr. ADOLF ZILCH, Dr. HANS-ERICH REINECK; publs. *Abhandlungen der SNG, Natur und Museum, Senckenbergiana biologica, Senckenbergiana lethaea, Archiv für Molluskenkunde, Senckenberg-Bücher, Aufsätze und Reden der Senckenbergischen Naturforschenden Gesellschaft.*

Städelsches Kunstinstitut: Dürerstrasse 2; f. 1816; paintings, drawings, prints, sculpture; Dir. Prof. Dr. ERNST HOLZINGER.

Städtische Museen: comprise (1) Städtische Galerie, Schaumainkai 63 (Painting), Schaumainkai 71, Liebighaus (Sculpture; building damaged, reopened 1962); f. 1907; Dir. Prof. Dr. ERNST HOLZINGER, Curator Dr. KURT SCHWARZWELLER; (2) Museum für Kunsthandwerk, Zeil 85-93 (current exhibitions); f. 1877; Dir. Dr. P. W. MEISTER; (3) Historiches Museum, Saalgasse 31; History of Frankfurt, relics, art and culture; f. 1878; Dir. Dr. H. STUBENVOLL, Curator Dr. L. Baron DÖRY-JABAHÁZA; (4) Freies Deutsches Hochstift-Frankfurter Goethe Museum, Gr. Hirschgraben 23; f. 1863 (now restored); Dir. Prof. Dr. ERNST BEUTLER; (5) Museum für Völkerkunde, Leibigstr. 41; f. 1904 (museum destroyed, collection saved); Dir. Prof. Dr. ADOLF JENSEN, Curators Dr. H. NIGGEMEYER, Dr. KARIN HISSINK; (6) Museum für Vor- und Frühgeschichte, Justinianstr. 5; f. 1937; pre-historic and Roman objects from the Frankfurt area; Dir. Dr. ULRICH FISCHER.

FREIBURG IM BREISGAU

Städtische Sammlungen (*Municipal Collections*): Salzstr. 32; f. 1862; the collections comprise Augustinermuseum, Folk-lore, Natural History, and early and pre-History; library of *c.* 25,000 vols.; Dir. Dr. H. GOMBERT.

GIESSEN

Oberhessisches Museum und Gail'sche Sammlungen der Stadt Giessen: Asterweg 9; f. 1878; palæolithic collection, first Middle European flint tools; archæological collections and treasures of Roman-German and Hessian Franconian culture; oil paintings, water-colours and copperplate engravings of present century; Dir. Dr. HERBERT KRUEGER.

GÖTTINGEN

Städtisches Museum (*Municipal Museum*): Ritterplan 7; f. 1889; prehistory and early history, ecclesiastical art, history of Göttingen and the University, etc.; library of 4,000 vols.; Dir. Dr. WALTHER HELLIGE.

HAMBURG

Hamburgisches Museum für Völkerkunde und Vorgeschichte: Binderstr. 14; f. 1878; library of 30,000 vols.; Dir. Prof. Dr. ERHARD SCHLESIER; Curators of Depts.: Dr. K. DITTMER (Africa), Dr. W. HABERLAND (America), Dr. W. BIERHENKE (Eurasia), Dr. G. PRUNNER (Far East), Dr. H. TISCHNER (Indonesia-Oceania), Prof. Dr. H. J. EGGERS (Prehistory); publs. *Mitteilungen aus dem Museum für Völkerkunde in Hamburg, Monographien zur Völkerkunde, Archaeologia geographica, Wegweiser zur Völkerkunde, Beiträge zur mittelamerikanischen Völkerkunde.*

Kunsthalle: Glockengiesserwall; f. 1850; paintings, sculpture, drawings, engravings, coins and medals; library of 50,000 vols.; Dir. Prof. Dr. ALFRED HENTZEN.

Museum für Hamburgische Geschichte: Holstenwall 24; f. 1839; history of Hamburg, library, coins, etc.; Dir. Prof. Dr. WALTER HÄVERNICK; publs. *Mitteilungen aus dem Museum, Jahresberichte des Museums, Führer durch das Museum, Ehrengabe des Museums für Hamburgische Geschichte zur Feier seines hundertjährigen Bestehens, Hamburger Beiträge zur Numismatik, Numismatische Studien, Beiträge zur Deutschen Volks- und Altertumskunde, Volkeskündliche Studien.*

Museum für Kunst und Gewerbe: Steintorplatz; f. 1877; Dir. Prof. Dr. LISE LOTTE MÖLLER; publs. *Jahrbuch der Hamburger Kunstsammlungen Bilderhefte* 1-6, 1 *Islamische Keramik*, 2 *Majolika*, 3 *Mittelalterl. Bronzen*, 4 *Japan. Holzschnitte*, 5 *Moderne deutsche Industrieform*, 6 *Griechische Kleinkunst.*

HANOVER

Historisches Museum am Hohen Ufer: Pferdestr. 6; f. 1903 as Fatherland Museum, 1937-50 Niedersächsisches Volkstumsmuseum; three sections: Lower Saxon Folklore, History of the City of Hanover, and History of the Kingdom of Hanover up to 1866; library of 8,000 vols.; Dir. Dr. HELMUT PLATH.

Kestner-Museum: Trammplatz 3; opened 1889; Egyptian, Greek, Etruscan and Roman objets d'art, and medieval art; illuminated MSS., incunabula, handicrafts of 15th to 18th centuries, prints and drawings of 15th to 20th centuries, ancient, medieval and modern coins, medals; Dir. Dr. IRMGARD WOLDERING; Curator Dr. CHRISTEL MOSEL; Asst. Curator Dr. MARGILDIS SCHLÜTER.

Niedersächsisches Landesmuseum Hannover: Am Maschpark; f. 1852; art, natural history and prehistory sections; library of 19,500 vols.; Dirs. Dr. F. STUTTMANN (also Dir. Art Section), Dr. W. ASMUS (Prehistory), Prof. Dr. STEINIGER (Natural History).

HEIDELBERG

Kurpfälzisches Museum der Stadt Heidelberg: Hauptstr. 97; f. 1810; Dir. Dr. KLAUS MUGDAN.

HILDESHEIM

Roemer-Pelizæus-Museum: Am Steine 1; Dir. Dr. HANS KAYSER; comprises:

Pelizæus-Museum: f. 1907; Egyptian antiquities and collections of Greek terra-cottas and sculptures from Egypt; library of 3,500 vols.

Roemer-Museum: f. 1844; geology, palæontology, zoology, botany, prehistory, ethnography, etc.; library of 3,000 vols.

KARLSRUHE I. BADEN

Badisches Landesmuseum: Schlossplatz 1; f. 1919; collection includes prehistoric, Greek and Roman antiquities, medieval, renaissance and Baroque sculpture, works of art and coins, collection of Turkish trophies; Dir. Prof. Dr. RUDOLF SCHNELLBACH.

Landessammlungen für Naturkunde (*State Natural History Collections*): Erbprinzenstr. 13; f. 1751; botany, zoology,

mineralogy, geology; library of *c.* 10,000 vols.; Dir. Dr. E. OBERDORFER; publ. *Beiträge zur naturkundlichen Forschung in Südwestdeutschland.*

Scheffe-museum: Bismarckstr. 24; f. 1926; Dir. Dr. SIEGRIST.

Staatliche Kunsthalle: Hans-Thoma-Strasse 2; f. 1803; German, Dutch, Italian and French paintings, 15th to 20th century; also print room; about 30,000 engravings and drawings; Dir. Dr. JAN LAUTS.

KASSEL

Brüder Grimm-Museum: Brüder Grimm-Platz 4A; f. 1960; preservation of works of Jacob, Wilhelm and Ludwig Emil Grimm; collection of works by the brothers of the Murhardsche Bibliothek and the Landesbibliothek, Kassel; Dir. Dr. LUDWIG DENECKE.

KOBLENZ

Rhein-Museum: Rizzastr. 12; f. 1912; history of the Rhine; Pres. HEINRICH CASPER; Sec. Ing. M. ECKOLDT; publ. *Beiträge zur Rhein-Kunde* (yearly).

KONSTANZ

Rosgarten Museum: Rosgartenstr. 3-5; f. 1869; central museum for Lake Constance area; prehistoric, early historic, and Roman collection; medieval and modern objets d'art, natural history, etc.; library of *c.* 1,000 vols.; Curator S. v. BLANCKENHAGEN.

LÜBECK

Museen für Kunst und Kulturgeschichte (*Museums for Art and Cultural History*): Verwaltung, Düvekenstr. 21; Dir. Dr. FRITZ SCHMALENBACH.

St. Annen-Museum: St. Annenstr. 13-15; Late Gothic convent, built 1502-1515; medieval ecclesiastical art; domestic art from Middle Ages to modern times.

Behnhaus: Königstr. 11; museum of 19th- and 20th-century art in a late 18th-century patrician house.

Holstentor: built 1477; museum for the history of the city.

Katharinenkirche: 14th century; formerly Franciscan monasteries church. Casts of medieval sculptures of Lübeck artists in Scandinavia.

Völkerkunde-Sammlung (*ethnographic section*): (no exhibitions at present).

MAINZ

Altertumsmuseum und Gemäldegalerie der Stadt Mainz: Grosse Bleiche 49-51; f. 1803; library of 4,000 vols.; Dir. Dr. K. H. ESSER; publ. *Mainzer Zeitschrift.*

Gutenbergmuseum: Liebfrauenplatz 5; f. 1900, re-opened 1962; world museum of typography; library of 20,000 vols.; Dir. Prof. Dr. HELMUT PRESSER.

Münzsammlung (*Coin Collection*): Rheinallee 3; f. 1874; Dir. Dr. JÜRGEN BUSCH.

Naturhistorisches Museum Mainz (*Natural History Museum*): Mitternachtsplatz; f. 1834; palæontology and geology of the Mainz basin, zoology, mineralogy, botany; library of 950 vols. and 10,000 pamphlets; Dir. Dr. rer. nat. H. A. BRÜNING.

Römisch-Germanisches Zentralmuseum: Ernst Ludwig Platz (Kurfürstliches Schloss); f. 1852; Dir. Prof. Dr. K. BÖHNER; publs. *Kataloge, Wegweiser, Jahrbuch, Monographien, Technische Beiträge zur Archäologie.*

MANNHEIM

Städtische Kunsthalle: Moltkestr. 9; f. 1909; Dir. Dr. HEINZ FUCHS.

Reiss-Museum (Städtische Museen): Zeughaus, C.5; f. 1777; Castle Museums and Museums of Ethnology and Natural History; Dir. Dr. GUSTAF JACOB.

MARBURG/LAHN

Universitätsmuseum für Kunst und Kulturgeschichte: Biegenstr. 11, im Ernst von Hülsen-Haus; f. 1927; Dir. Dr. CARL GRAEPLER.

MUNICH

Antikensammlungen: comprise: (1) Glyptothek König Ludwigs I von Bayern, Königsplatz 3, f. 1830; (2) Museum Antiker Kleinkunst, Königsplatz 1 (Prinz Carl-Palais), f. 1566; neither museum is yet fully open, but since 1948 exhibitions from both museums are being held in the Prinz Carl-Palais; Dir. Dr. D. OHLY.

Bayerisches Nationalmuseum: Munich 22, Prinzregentenstr. 3; f. 1855; collections of Fine Arts, especially of sculpture and of decorative Arts from Southern Germany; Gen. Dir. Prof. Dr. THEODOR MÜLLER; special departments:

Neue Sammlung: modern industrial arts and crafts; Dir. HANS ECKSTEIN.

Prähistorische Staatssammlung: prehistoric and Roman antiquities from Southern Germany; Dir. Dr. HANS-JORGEN KELLNER.

Bayerische Staatsgemäldesammlungen: Meiserstr. 10; Dir.-Gen. Prof. Dr. K. MARTIN; Chief Curators Dr. K. BUSCH, H. LOHE (Restoring Dept.), Prof. Dr. R. OERTEL, Dr. C. ALTGRAF SALM, Dr. C. WOLTERS; Curators L. CREMER, Dr. H. SOEHNER, Dr. S. WICHMANN; Museum Assessor Dr. E. BROCHHAGEN; Chemist Dr. H. KÜHN; comprising: (1) Alte Pinakothek, Barerstr. 27, f. 1836, Old Masters; (2) Neue Pinakothek and Neue Staatsgalerie, Prinzregentenstr. 1, 19th-20th century art; (3) Schackgalerie, Prinzregentenstr. 9, Late Romantic German art; (4) Schleissheim near Munich, Neues Schloss, provincial galleries; (5) Ansbach, Residenz; (6) Aschaffenburg, Stadtmuseum, f. 1792; (7) Augsburg, Katharinengasse 9, f. 1809; (8) Bamberg, Neue Residenz, f. 1835; (9) Bayreuth, Neues Schloss, f. 1921; (10) Burghausen, Fürstenbau, f. 1898; (11) Füssen, Hohes Schloss, f. 1931; (12) Ingolstadt, Neues Schloss, f. 1925; (13) Kulmbach, Plassenburg; (14) Landshut, Residenz, f. 1935; (15) Neuberg a.D., Schloss, f. 1952; (16) Passau, f. 1952; (17) Regensburg, Stadtmuseum, f. 1950; (18) Rothenburg o.T., Herrengasse 24, f. 1952; also Dörner Institut, Dir. Dr. C. WOLTERS.

Deutsches Museum: Museumsinsel 1; f. 1903 machines, demonstrations, models, etc., on subjects relating to science and technology; library contains approx. 490,000 vols.; Dir. Prof. Dr.-Ing. SIEGFRIED BALKE; publ. *Abhandlungen und Berichte des Deutschen Museums.*

Staatliche Graphische Sammlung: Meiserstr. 10; f. 1758; Dir. Dr. PETER HALM; Chief Curator Dr. B. DEGENHART; Chief Curator Dr. W. WEGNER.

Städtische Galerie im Lenbachhaus: Luisenstr. 33; f. 1925; Munich artists and also paintings by Kandinsky, Klee and the Blaue Reiter school; Dir. Dr. HANS KONRAD RÖTHEL.

Wissenschaftliche Sammlungen des Staates, München (*State Scientific Collections, Munich*): 19, Menzingerstr. 71; Dir. Prof. Dr. Dr. ALFRED KAESTNER. The following institutions come under the control of this body:

(1) **Botanischer Garten:** 19, Menzingerstr. 67; Acting Dir. Prof. Dr. LEO BRAUNER; Chief Curator Dr. FRANZ SCHÖTZ.

(2) **Botanische Staatssammlung:** 19, Menzingerstr. 67; Dir. Prof. Dr. HERMANN MERXMÜLLER; Curator Dr. JOSEF POELT.

(3) **Anthropologische Staatssammlung:** 2, Richard-Wagner-Str. 10/1; Dir. Prof. Dr. KARL SALLER.

(4) **Bayerische Staatssammlung für allgemeine und angewandte Geologie:** Luisenstrasse 37; Dir. Prof. Dr. ALBERT MAUCHER; Chief Curator Prof. Dr. FERDINAND NEUMAIER.

(5) **Bayerische Staatssammlung für Paläontologie und historische Geologie:** 2, Richard-Wagner-Str. 10/11; Dir. Prof. Dr. RICHARD DEHM; Curators Dr. HANS ZÖBELEIN, Dr. THERESE V. OETTINGEN, Dr. K. WERNER BARTHEL.

(6) **Mineralogische Staatssammlung:** 2, Luisenstr. 37; Dir. Prof. Dr. GEORG MENZER.

(7) **Zoologische Staatssammlung:** 38, Maria-Wardstr.; Dir. Dr. WALTER FORSTER; Chief Curator Dr. W. HELLMICH.

NUREMBERG

Albrecht-Dürer Haus: Albrecht-Dürer Strasse 39; copies and originals of Dürer's work.

Germanisches Nationalmuseum: Untere Grasersgasse 18 (Library) and Kornmarkt 1 (Art Gallery); f. 1852; German art and civilisation from prehistoric times to about 1850, folk art, public library, archives, print room; Chief Dir. Prof. Dr. E. STEINGRÄBER; publs. *Anzeiger des Germ. Nationalmuseums, Bilder aus deutscher Vergangenheit.*

Kunstsammlungen der Stadt Nürnberg: Lorenzerstrasse 32 (Fränkische Galerie): collection of German painting and sculpture of the 19th and 20th centuries (not now on permanent show); at present, temporary exhibitions held in the Fränkische Galerie, Am Marientor; publs. catalogues of exhibitions; Dir. Dr. W. SCHWEMMER.

PFORZHEIM

Reuchlinhaus: Heimatmuseum f. 1897; Schmuckmuseum f. 1938; mod. Schmuckschau; f. 1961; Kunst-Wechselausstellungen, f. 1961; Dir. H. WAHL.

RECKLINGHAUSEN

Museen der Stadt Recklinghausen (*Recklinghausen City Museums*): Recklinghausen, Platz am Hauptbahnhof; Dir. THOMAS GROCHOWIAK.

Städtische Kunsthalle (*City Art Gallery*): paintings, drawings, prints and sculptures by past and contemporary artists.

Ikonenmuseum (*Ikon Museum*): Russian, Byzantine and Balkan ikons, miniatures, metal work, Eastern church art.

Westisches Museum (*Museum of Western Art*): Westphalian arts and crafts.

SPEYER

Bibelausstellung der Württembergischen Bibelanstalt (*Bible Museum*): 7 Stuttgart S., Hauptstätter Str. 51B; f. 1952; Dir. Dr. GERNOT; publ. *Das eine Buch.*

Historisches Museum der Pfalz (*Historical Museum of the Palatinate*): Grosse Pfaffengasse 7; f. 1827; Curator Dr. KARL SCHULTZ.

STUTTGART

Galerie der Stadt Stuttgart: Stuttgart N., Bolzstrasse 2, Kunstgebäude; f. 1925; work of 19th- and 20th-century Swabian artists; Dir. EUGEN KEUERLEBER.

LGA-Sammlung: Kanzleistrasse 19; f. 1848; historical and modern collections; Chief Curator Dr. STINA KOBELL; Curator Dr. AMELIE DURAS.

Linden Museum: Hegelplatz 1; f. 1888; Dir. Dr. H. RHOTERT; Keepers: F. JÄGER (America), Dr. F KUSSMAUL (Oceania, Asia), Dr. J. ZWERNEMANN (Africa); publ. *Tribus* (Yearbook).

Staatliche Kunstsammlungen: comprise: (1) Württ. Landesmuseum, Altes Schloss; f. 1862; Dir. Prof. Dr. WERNER FLEISCHHAUER; (2) Staatsgalerie, Neckarstrasse 32; f. 1843; Dir. ERWIN PETERMANN; publs. *Kataloge der Altertümersammlung: Schwäbische Glasmalerei* 1912, *Ludwigsburger Porzellan* 1911, *Deutsche Bildwerke des 10. bis 18. Jahrhunderts* 1917, *Führer durch vor- und frühgeschichtliche Abteilung* 1950, *Führer durch die mittelalterliche Abteilung* 1949, *Katalog der Staatsgalerie* 1931, 1957, 1961 (*Neue Meister*), BUSHART, *Meisterwerke der Stuttgarter Staatsgalerie* 1956, DEUSCH, *Neuere Malerei in der Staatsgalerie Stuttgart* 1961, *Zeichnungen des 19. und 20. Jh. Neuerwerbungen seit 1945*, 1960.

Staatliches Museum für Naturkunde in Stuttgart: Stuttgart 1, Schloss Rosenstein; branch at Ludwigsburg; f. 1791; Dir. Prof. Dr. E. SCHÜZ; publ. *Stuttgarter Beiträge zur Naturkunde.*

TRIER (TRÈVES)

Rheinisches Landesmuseum: Ostallee 44; f. 1877; prehistoric, Roman and early medieval exhibits excavated in Trier and district; museum partially destroyed during war, but contents saved and reconstruction in progress; Roman department open; library of 30,000 vols.; Dir. Dr. WILHELM REUSCH; publ. *Trierer Zeitschrift.*

WORMS

Museum der Stadt Worms: Weckerlingplatz 7; f. 1881; palæontology, archæology, history of the upper Rhine; Dir. Dr. GEORG ILLERT; publ. *Der Wormsgau, Bildhefte, Führer.*

Stiftung Kunsthaus Heylshof: Stephansgasse 9; f. 1923; 15th-19th century paintings, sculptures, porcelains, glass; Curator Dr. FRIEDRICH M. ILLERT.

UNIVERSITIES

FREIE UNIVERSITÄT BERLIN

BERLIN-DAHLEM,
IHNESTRASSE 24

Telephone: 76901.

Founded 1948.

Rector: Prof. Dr. phil. H.-J. LIEBER.
Pro-Rector: Prof. Dr. phil. H. LÜERS.
Curator: Dr. F. VON BERGMANN.

Number of teachers: 616, including 148 Full Professors; 29 Extraordinary Professors.

Number of students: 15,527.

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Faculty of Law: Prof. Dr. E. E. HIRSCH.
Faculty of Economic and Social Sciences: Prof. Dr. B. BELLINGER.
Faculty of Philosophy: Prof. Dr. H. HELBIG.
Faculty of Mathematical and Natural Sciences: Prof. Dr. K. P. GROTEMEYER.
Faculty of Veterinary Medicine: Prof. Dr. med. vet. J. BOCH.

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GAUER, O., Physiology
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MEDER, W., East European Law
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ECKARDT, H., Japanology
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GERBER, R., English Philology
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GOLLWITZER, H., Protestant Theology
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HASS, H.-E., German Philology
HECHT, ILSE, English Philology
HELBIG, H., Medieval and Modern History
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REDING, M., Catholic Theology
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SCHMIDT, W., Library Science
SCHRÖBLER, INGEBORG, Old German and Middle Latin Philology
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SCHWABL, H., German Philology
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TAUBES, J., Jewish Studies
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WESTPHAL-HELLBUSCH, S., Ethnology

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REINERT, J., Botany
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RIEMSCHNEIDER, R., Biochemistry
RINGEL, G., Mathematics
SCHENCK, G., Pharmaceutical Chemistry and Applied Pharmacy
SCHERHAG, R., Meteorology
SCHNEIDER, H.-J., Applied Geology
SCHULTZE, J. H., Geography
STEIN, W., Biophysics
STÖHR, A., Applied Mathematics
STROBACH, K., Geophysics
THEIS, W., Theoretical Physics
ULRICH, W., Zoology
URICH, K., Zoology
VETTER, K., Chemistry

WILKING, S., Physics
WÖHLKE, W., East European Geography

Faculty of Veterinary Science:
BECKER, E., Veterinary Surgery
BERGMANN, G., Veterinary Anatomy
BOCH, J., Parasitology
BRONSCH, K., Animal Breeding
DREPPER, K., Veterinary Biochemistry
HARTWIGK, H., Veterinary Hygiene
HEIDRICH, H.-J., Obstetrics
KEWITZ, H., Pharmacology
KÜNZEL, E., Veterinary Anatomy
MÜLLER, L. F., Internal Veterinary Medicine
PREUSS, F., Veterinary Anatomy
RENK, W., Veterinary Pathology
SCHÜTZLER, G., Experimental Therapy and Functional Pathology
SINELL, H.-J., Food Hygiene
WITTKE, G., Physiology

AFFILIATED INSTITUTES:

Ost-Europa Institut:
Director: Prof. Dr. J. STRIEDTER.

PROFESSORS:

BRÄUER, H., Slavonic Languages
LIEBER, H.-J., Philosophy and Sociology
LÖVENTHAL, R., East European History
MEDER, W., East European Law
PHILIPP, W., East European History
STRIEDTER, Y., Slavonic Literature
THALHEIM, K. C., World Economics, with special reference to East and South Europe
WÖHLKE, W., East European Studies

Otto-Suhr Institut (former Hochschule für Politik):
Director: Prof. Dr. G. KOTOWSKI.

PROFESSORS:

EYNERN, G. VON, Political Economics
FLECHTHEIM, O., Theory of Parties
FRAENKEL, E., Political Sciences
GABLENTZ, O. H. VON DER, Theory of Politics
KOTOWSKI, G., History of Political Theories
LÖWENTHAL, R., Political Sciences
SONTHEIMER, K., History and Theory of Parties
STAMMER, O., Sociology
WERNER, F., State Law and Politics
ZIEBURA, G., Political Science

Institut für Politische Wissenschaft:
Director: Prof. Dr. O. STAMMER.

John F. Kennedy Institut für Amerikastudien:
Director: Prof. Dr. E. FRAENKEL.

PROFESSORS:

BRUMM, URSULA, American Civilisation
FRAENKEL, E., American Policy
NICHOLS, C. H., American Literature
STOURZH, G., American History

RUHR UNIVERSITÄT BOCHUM

463 BOCHUM-QUERENBURG
Telephone: 39 91.
Founded 1965.

Rector Magnificus: Prof. D. H. GREEVEN.
Pro-Rector: Prof. Dr. rer. nat. J. SCHWARTZKOPFF.
Chancellor: Dr. jur. W. SEEL.
Librarian: Dr. G. PFLUG.

DEANS:

Department of Protestant Theology: Prof. D. ELLIGER.
Department of Catholic Theology: Prof. Dr. ZIMMERMANN.
Department of Philosophy, Pedagogy, Psychology: Prof. Dr. LÜBBE.
Department of History: Prof. Dr. VIERHAUS.
Department of Philology: Prof. Dr. SUERBAUM.
Department of Law: Prof. Dr. BOSCH.
Department of Economics: Prof. Dr. REICHARDT.
Department of Social Sciences: Prof. Dr. GRUBER.
Department of Mechanical and Civil Engineering: Prof. Dr.-Ing. ZERNA.
Department of Electrical Engineering: Prof. Dr.-Ing. WIECHOWSKI.
Department of Mathematics: Prof. Dr. SOMMER.
Department of Physics: Prof. Dr. KAMKE.
Department of Geo-sciences and Astronomy: Prof. Dr. FLÖRKE.
Department of Chemistry: Prof. Dr. SPECKER.
Department of Biology: Prof. Dr. ESSER.
Department of Scientific Medicine: Prof. Dr. FAILLARD.
Department of Theoretical Medicine: Prof. Dr. HETTCHE.

PROFESSORS:

Department of Protestant Theology:
ELLIGER, W., Church History, Christian Archæology
GRÄSSER, E., New Testament
GREEVEN, H., New Testament
HORNIG, G., Systematic Theology

Department of Catholic Theology:
HÖDL, L., Dogmatics
LENZENWEGER, J., Church History
SCHILLING, O., Exegesis of the Old Testament
TEICHTWEIER, G., Moral Theology
ZIMMERMANN, H., New Testament

Department of Philosophy, Pedagogy, Psychology:
ANWEILER, O., Pedagogy
HECKHAUSEN, H., Psychology
KLUXEN, W., Scholastics and Medieval Philosophy
KNOLL, J. H., Practical Pedagogy
LÜBBE, H., Philosophy
ROESSLER, W., Social Psychology
SCHALLER, K., Pedagogy

Department of History:
IMDAHL, M., History of Art
KIECHLE, F., Early History
KÖLLMANN, W., Social and Economic History
SCHMALE, F.-J., Medieval History
VIERHAUS, R., Modern History

Department of Philology:
FLASHAR, H., Greek
GROSSE, S., Germanic Philology
HOFFMANN, A., Language and Literature of China
JUST, K. G., History of Modern German Literature
LEWIN, B., Language and Literature of Japan
LIEBERG, G., Latin
MÜLLER-BOCHAT, E., Romance Philology
SCHRIMPF, H. J., History of Modern German Literature
STROHSCHNEIDER-KOHRS, INGRID, History of Modern German Literature
SUERBAUM, U., English Philology

Department of Law:
BIEDENKOPF, K. H., Civil Law, Commercial, Economic and Labour Law
BOSCH, F. W., Procedural and Civil Law
FABRICIUS, F., Civil Law, Commercial and Economic Law
GEILEN, G., Penal and Penal Procedural Law
KIMMINICH, O., Public Law
MÜNCH, I. VON, Public Law
WARDA, G., Penal and Penal Procedural Law
WERTENBRUCH, W., Constitutional Law
WUNNER, S. E., History of Ancient Law, Civil Law

Department of Economics:
BESTERS, H., Economic Theory
GRUBER, UTTA, Social Politics
KÖLLMANN, W., Economic and Social History
REICHARDT, H., Economic Theory

Department of Social Sciences:
GRUBER, UTTA, Social Politics
KÖLLMANN, W., Economic and Social History
PAPALEKAS, J. C., Sociology
ROESSLER, W., Social Psychology

Department of Mechanical and Civil Engineering:
GERSTEN, K., Aerodynamics

Department of Electrical Engineering:
WIECHOWSKI, W., General and Theoretical Electrical Engineering

Department of Mathematics:
EWALD, G., Mathematics
SOMMER, F., Mathematics

Department of Physics:
ECKER, G., Theoretical Physics
KAMKE, D., Experimental Physics

Department of Geo-sciences and Astronomy:
FLÖRKE, O. W., Mineralogy
SCHÖLLER, P., Geography

Department of Chemistry:
MUSSO, H., Organic Chemistry
SPECKER, H., Inorganic Chemistry
WAGNER, H.-G., Physical Chemistry
WILKE, G., Organic Chemistry

Department of Biology:
ESSER, K., General Botany
FAILLARD, H., Physiological Chemistry
LOESCHKE, H. H., Physiology
SCHWARTZKOPFF, J., General Zoology

Department of Scientific Medicine:
ESSER, K., General Botany
FAILLARD, H., Physiological Chemistry
LOESCHKE, H. H., Physiology
MUSSO, H., Organic Chemistry
SCHWARTZKOPFF, J., General Zoology
ZENKER, W., Anatomy

Department of Theoretical Medicine:
HETTCHE, H. O., Air Hygiene

RHEINISCHE FRIEDRICH-WILHELMS-UNIVERSITÄT

BONN, LIEBFRAUENWEG 3
Telephone: 31941.
Founded 1881.

Rector Magnificus: Prof. W. GROTH.
Pro-Rector: Prof. H. MOSER.

Chancellor: E. Freiherr von Medem.
Librarian: Prof. V. Burr.

Number of teachers: 827 including 186 Ordinary Professors.
Number of students: 14,249.
Publication: *Bonner Akademische Reden.*

Deans:

Faculty of Evangelical Theology: Prof. J. Konrad.
Faculty of Catholic Theology: Prof. F. Groner.
Faculty of Law and Economics: Prof. J. Salzwedel.
Faculty of Medicine: Prof. P. Röttgen.
Faculty of Philosophy: Prof. K. D. Bracher.
Faculty of Mathematics and Natural Sciences: H. Flohn.
Faculty of Agriculture: F. Hilkenbämmer.

Professors:

Faculty of Evangelical Theology:
Bizer, E., Church History
Gloege, G., Systematic Theology
Karpp, H., Religious Pedagogics, Church History
Konrad, J., Practical Theology
Krause, G., Practical Theology
Kreck, W., Systematic Theology
Moltmann, J., Systematic Theology and Social Ethics
Noth, M., Old Testament Exegesis
Plöger, O., Old Testament
Schneemelcher, W., Church History
Surkau, H. W., Propædeutics
Vielhauer, P., New Testament

Faculty of Catholic Theology:
Auer, J., Dogmatics
Baus, K., Old Church History, History of the Byzantine Church
Böckle, F., Moral Theology
Botterweck, G., J., Old Testament
Delahaye, K., Theological Encyclopedia
Dolch, H., Religious Philosophy and Fundamental Theology
Dreher, B., Propædeutics, Homilectics
Flatten, H., Ecclesiastical Law
Groner, F., Christian Sociology
Jedin, H., Medieval and Modern Church History
Schäfer, K. T., New Testament Exegesis
Stasiewski, B., Contemporary Church History

Faculty of Law and Economics:
Albach, H., Industrial Administration
Ballerstedt, K., Commercial Law
Beckmann, M., Political Economy
Beitzke, G., Civil, Commercial, Private International Law
Bydlinski, F., Civil Law
Conrad, H., German Legal History, Church Law, Civil Law, Commercial Law
Eisermann, G., Sociology
Flume, W., Taxation Law, Roman Law and Civil Law
Friesenhahn, E., Civil and Administrative Law
Grünwald, G., Penal Law, Law of Criminal Proceedings
Kamp, E., Political Economy, Finance
Kaufmann, A., Penal Law, Philosophy of Law
Krelle, W., Political Economy
Meyer, F. W., Political Economy
Ridder, H., Administrative Law
Salzwedel, J., Political Economy
Scheuner, U., Civil and Administrative Law
Stoll, H., Civil Law, Comparative Law
Vogt, H., Roman Law, German Civil Law
Voigt, F., Political Economy
Weidner, V., Civil Law, Commercial Law, Law of Economy, Labour, and Social Security
Welzel, H., Penal Law, Philosophy of Law

Faculty of Medicine:
Dirscherl, W., Physiological Chemistry
Domenjoz, R., Pharmacology, Toxicology
Elbel, H., Forensic Medicine
Gütgemann, A., Surgery
Habs, H., Hygiene
Hagen, E., Anatomy
Hamperl, H., Pathology
Heymer, A., Internal Medicine
Hungerland, H., Pediatrics
Janker, R., Radiology
Kersting, G., Neuropathology
Korkhaus, G., Dental Medicine
Leinbrock, A., Dermatology
Müller, J., Ophthalmology
Pichotka, J., Physiology
Piekarski, G., Medical Parasitology
Rössler, H., Orthopædics
Röttgen, P., Neuro-Surgery
Schmitz, W. L., Radiology
Siebke, H., Gynæcology
Steudel, J., History of Medicine and Natural Science
Tiemann, F., Internal Medicine
Tonutti, E., Anatomy
Weigelin, E., Experimental Ophthalmology
Weitbrecht, H. J., Psychiatry, Neurology

Faculty of Philosophy:
Alewyn, R., Modern German Language and Literature
Barion, J., Philosophy
Bracher, K. D., Political Science
Braubach, M., Medieval and Modern History
Däumling, A., Psychology
Derbolav, J., Philosophy, Pedagogy
Edel, E., Egyptology
Einem, H. von, History of Art
Esch, A., English Philology
Ewig, E., Medieval and Modern History
Hacker, P., Indian Philology
Hahn, H., Geography of Economics
Hasenjaeger, G., Logistics
Heissig, W., Central Asiatic Studies
Herter, H., Classical Philology
Hubatsch, W., Medieval and Modern History
Hübinger, P. E., Medieval History
Jablonowski, H., East European History
Käsmann, H., English Philology
Kirsten, E., Historical Geography
Kloster-Jensen, M., Phonetics
Knobloch, J., Comparative Linguistics
Kuls, W., Geography
Langlotz, E., Classical Archæology
Luck, G., Classical Philology
Lützeler, H., History of Art
Martin, G., Philosophy
Maurer, K., Romance Philology
Meier, H., Romance Philology
Mensching, G., Comparative Religion
Moser, H., Germanic Studies
Olbright, P., Sinology
Papajewski, H., English Philology
Petri, F., General History of the Rhineland
Ritzel, Pedagogy
Rüdiger, H., Modern German Language and Literature
Rufner, V., Philosophy
Schmid, W., Classical Philology
Schmidt-Görg, J., Music
Spies, O., Semitic and Islamic Studies
Stackmann, K., Germanic Studies
Stempel, W.-D., Romance Philology
Straub, J., Ancient History
Thomae, H., Psychology
Trimborn, H., Cultural and Socia Anthropology
Troll, C., Geography
Wagner, H., Philosophy
Weisgerber, L., Celtic Culture and Linguistics
Wiese und Kaiserwaldau, B. von Modern German Language and Literature
Willemsen, C., Medieval and Modern History
Woltner, Margarete, Slavonic Philology
Zender, M., German Folklore
Zorn, W., Constitutional, Economic and Social History

Faculty of Mathematics and Natural Sciences:
Appel, R., Inorganic Chemistry
Becker, F., Astronomy
Bleuler, K., Theoretical Atomic Physics
Brinkmann, R., Geology
Bodenstedt, E., Nuclear Physics
Danneel, R., Zoology
Erben, H., Geology and Palæontology
Flohn, H., Meteorology
Frechen, J., Mineralogy
Groth, W., Physical Chemistry
Hachenberg, O., Radioastronomy
Hahn, H., Geography of Economics
Haul, R., Physical Chemistry
Hirzebruch, F., Mathematics
Knop, G., Experimental Physics
Kordes, E., Chemistry
Krull, W., Mathematics
Kuls, W., Geography
Neuhaus, A., Mineralogy
Paul, W., Experimental Physics
Peschl, Ernst, Mechanics
Rink, Melanie, Pharmacy
Rollnick, J., Physics
Schmitz-Dumont, O., Chemistry
Schumacher, W., Botany
Staeckelberg, M. von, Electro-Chemistry
Steiner, M., Botany
Tits, J., Mathematics
Troll, C., Geography
Tschesche, R., Chemistry
Unger, H., Applied Mathematics
Vogel, W., Applied Mathematics
Weizel, W., Physics
Zymalkowski, F., Pharmacy

Faculty of Agricultural Economy:
Baitsch, B., Country Planning
Böker, H., Agricultural Economy
Braun, H., Plant Pathology
Dencker, C., Agricultural Engineering
Fischbeck, G., Plant-breeding
Gassner, E., Engineering Construction
Goetze, G., Apiculture and Animal Psychology
Havermann, H., Animal Breeding
Hesmer, H., Forest Science
Hilkenbäumer, F., Fruit Culture
Hofmann, W., Geodesy
Kick, H., Agricultural Chemistry
Kmoch, H., Tilllage
Möhle, A., Geodesy
Mückenhausen, E., Soil Science
Müller, R., Animal Feeding
Niehaus, H., Agricultural Economy
Schürmann, E., Anatomy, Physiology, and Hygiene of Domestic Animals
Steffen, G., Agricultural Economy

ULLRICH, H., Botany
WENDT, H., Mathematics
WOLF, H., Theoretical Geodesy
WOLLENWEBER, H., Economics

FRIEDRICH-ALEXANDER-UNIVERSITÄT ZU ERLANGEN-NÜRNBERG

ERLANGEN, SCHLOSSPLATZ 4

Telephone: 87071.

Founded 1743.

Rector Magnificus: Prof. D. G. FRIEDRICH.
Pro-Rector: Prof. Dr. G. NÖBELING.

Number of teachers: 409, including 134 Ordinary Professors.
Number of students: 7,525 men, 1,592 women, total 9,117.

DEANS:

Faculty of Theology: Prof. D.theol. K. FRÖR.
Faculty of Law: Prof. Dr. jur. K. OBERMAYER.
Faculty of Medicine: Prof. Dr. med. G. STEINHARDT.
Faculty of Philosophy: Prof. Dr. phil. G. PFEIFFER.
Faculty of Natural Sciences: Prof. Dr. phil. E. WIRTH.
Faculty of Economic and Social Sciences: Prof. Dr. rer. pol. H.-C. RECKTENWALD.
Faculty of Technology: (*in course of development*)

PROFESSORS:

Faculty of Theology:
FOHRER, G., Old Testament
FRIEDRICH, G., New Testament Theology
FRÖR, K., Practical Theology
JOEST, W., Systematic and New Testament Theology
KLAUS, B., Practical Theology
KÜNNETH, W., Systematic Theology
LOEWENICH, W. VON, Church History, Symbolical and Christian Art and Archæology
MAURER, W., Church History
STAEDTKE, J., Reformed Theology
STAUFFER, E., New Testament Theology
VORETZSCH, A., Christian Archæology and Christian Art

Faculty of Law:
BRUNS, H.-J., Penal Law
HERRMANN, J., Roman and German Common Law
HUBMANN, H., Common, International, Commercial Law, Philosophy of Law
LEISNER, W., National Administrative and International Law
MERZBACHER, F., History of Law and Common Law
OBERMAYER, K., Church, State and Administrative Law
SCHNORR VON CAROLSFELD, L., Civil and Commercial Law, Law of Exchange and Workmen's Compensation
SCHWAB, K. H., Civil Law
VOIGT, A., National, Administrative and International Law
ZIPPELIUS, R., Civil Administrative and Canon Law

Faculty of Medicine:
BAUER, K. F., Anatomy
FLÜGEL, F., Psychiatry
HASSELMANN, C. M., Skin and Venereal Diseases
HEGEMANN, G., Surgery
HEIM, F., Pharmacology and Toxicology
KEIDEL, W.-D., Physiology
KORTH, C., Internal Medicine
MAY, F., Physiology and Physiological Chemistry
MÜLLER, E., General Pathology and Pathological Anatomy
OBER, K.-G., Obstetrics and Women's Diseases
PASCHKE, H., Orthodontics
SCHIEFER, W., Neurosurgery
SCHRECK, E., Ophthalmology
STEINHARDT, G., Orthodontics
THEISSING, G., Oto-Rhino-Laryngology
WEINIG, E., Forensic Medicine
WETTERER, E., Physiology
WINDORFER, A., Child Medicine and Clinic

Faculty of Philosophy:
BACK, J., Insurance and Company Practice
BESSON, W., Political Sciences
BEYSCHLAG, S., Germanic Philology
BORST, A., Medieval and Modern History
CLAUSING, G., Economics
FISCHER, W., Oriental Philology
FUCHS, W. P., Modern History
HEUBECK, A., Classical Philology
HOFFMAN, K., Comparative Indo-Germanic Studies
KAMLAH, W., Philosophy
KLUXEN, K., Modern History
KUEN, H., Romance Philology
LOCH, W., Pedagogy
LORENZEN, P., Philosophy
OETTINGER, K., History of Art
RUFFMANN, K.-H., East European History
RUHNKE, M., Music
SCHOEPS, H. J., Religion and Philosophy
SCHÜTZ, J., Slavonic Philology
SEEL, O., Classical Philology
STROH, F., German and Germanic Philology
TILL, R., Classical Philology
TOMAN, W., Psychology
VITTINGHOFF, F., Prehistory
WÖLFEL, K., Modern German Literature
WOLFF, E., English Philology
WOLPERS, T., English Philology
ZOTZ, L., Prehistory
ZÜCHNER, W., Classical Archæology

Faculty of Natural Sciences:
BEHRENS, H., Inorganic and General Chemistry
BESTMANN, H. J., Organic Chemistry
BRODERSEN, K., Inorganic and Analytic Chemistry
DANN, O., Applied Chemistry
ERNST, T., Mineralogy
FLEISCHMANN, R., Physics
HAUPT, W., Botany
HESSE, G., Chemistry
JAENICKE, W., Physical Chemistry
KESSLER, E., Botany
LANGE, E., Physical Chemistry
MOLLWO, E., Applied Physics
NÖBELING, G., Mathematics
SCHWAN, W., Geology
SPECHT, W., Applied Mathematics
STAMMER, H.-J., Zoology
TICHY, F., Geography
VOLZ, H., Theoretical Physics
WALDMANN, L., Theoretical Physics
WIRTH, E., Geography

Faculty of Economic and Social Sciences:
BACK, J., Economics, esp. Insurance
BERGLER, G., Economics, esp. Market Research
DÜRR, E., Economics
EICHLER, H., Private and Economic Law
ESENWEIN-ROTHE, INGEBORG, Economics and Statistics
FRÖHLER, L., Public Law
HEUSS, E., Economics, esp. Industrial Relations
LINHARDT, H., Economics
LÖBNER, W., Pedagogy, esp. Economic Pedagogy
PÖLNITZ, Frhr. G. VON, History, esp. Economic and Social
RECKTENWALD, H. O., Economics
RONNEBERGER, F., Political Science
SCHÄFER, E., Economics, esp. Industry and Commerce
SCHARMANN, T., Psychology, esp. Economic and Social
SCHOBERTH, F. W., Anglo-Saxon Languages and Culture
SIEBER, E., Economics, esp. Accountancy
SPECHT, K. G., Sociology
VOGEL, K., German and International Taxation Law
WEIGT, E., Geography, esp. Economic and Social

Faculty of Technology:
HOFMANN, H., Technical Chemistry

JOHANN WOLFGANG GOETHE-UNIVERSITÄT

FRANKFURT AM MAIN, MERTONSTRASSE 17

Telephone: 770641.

Founded 1914.

Rector: Prof. Dr. W. RÜEGG.
Pro-Rector: Prof. Dr. Dr. Dr. W. FRANZ.

Number of teachers: 649, including 129 Ordinary Professors.

DEANS:

Faculty of Law: Prof. Dr. R. WIETHÖLTER.
Faculty of Medicine: Prof. Dr. W. ROTTER.
Faculty of Philosophy: Prof. Dr. F. W. MÜLLER.
Faculty of Natural Sciences: Prof. Dr. H. STAUDE.
Faculty of Economics and Social Sciences: Prof. Dr. P. RIEBEL.

PROFESSORS:

Faculty of Law:
ABRAHAM, H.-J., Commercial, Civil and Industrial Law
BERNHARDT, R., Public Law
CLASS, W., Penal Law and Procedure, Philosophy of Law
COING, H., Roman and Civil Law
ERLER, A., German Legal History and Civil Law
GEERDS, F., Criminology, Penal Law and Procedure
ISELE, H. G., Industrial and Civil Law
JAENICKE, G., Public Law
KRONSTEIN, H., Industrial, Economic and Civil Law
MALLMANN, W., Public Law
PETER, H., Roman and Civil Law
PREISER, W., Penal Law and Procedure
SCHEIDERMAIR, G., Civil Law and Procedure
SCHLOCHAUER, H.-J., Public Law
WIETHÖLTER, R., Civil, Industrial and Economic Law

Faculty of Medicine:
ARTELT, W., History of Medicine
DEGENHARDT, K. H., Human Genetics
FREY, J., Internal Medicine
FRICK, H., Anatomy
GEISSENDÖRFER, R., Surgery
GERCHOW, J., Forensic Medicine
GÜNTZ, E., Orthopædics
HEINZ, E., Plant Physiology
HERRMANN, F., Dermatology
HOLTZ, P., Pharmacology and Toxicology
KÄSER, O., Gynæcology
KRÜCKE, W., Neuropathology
LAUBENDER, W., Experimental Medicine
LORENZ, W., Radiotherapy and Nuclear Medicine
RECKOW, J. VON, Dentistry
ROTTER, W., Pathology
RÜF, H., Neuro-Surgery
RITTER VON STOCKERT, F. G., Child Psychology
SCHOOP, G., Veterinary Surgery
STARCK, D., Anatomy
WACKER, A., Therapeutic Biochemistry
WEZLER, K., Physiology

Faculty of Philosophy:
ADORNO, T., Philosophy and Sociology
BURGER, H. O., German Philology
FLECKENSTEIN, J., Medieval and Modern History
GEMBRUCH, W., Medieval and Modern History
GEYE, D., East European History
HABERINAS, J., Philosophy and Sociology
HENDRICK, G., American Literature
HIRSCHBERGER, J., Catholic Religious Philosophy
KAROW, O., Far Eastern Philology and Culture
KELLER, H., History of Art
KLEINER, G., Classical Archæology
KLÜKE, P., Medieval and Modern History
KRAFT, K., Ancient History
KRENZLIN, ANNELIESE, Cultural Geography
LAMMERS, W., Medieval and Modern History
LEHMANN, H., Geography
LIEBRUCKS, B., Philosophy
MALER, F. G., Ancient History
MÜLLER, F. W., Romance Philology
MÜLLER-KARPE, H., Ancient History
PATZER, H., Classical Philology
PHILIPP, W., Protestant Theology
POLLAK, W., Romance Philology
RAMMELMEYER, A., Slavonic Studies
RANG, M., Pedagogics
RAUTER, H., English Philology
SCHEUERE, H., Pedagogics
SCHMITZ, C.-A., Ethnology
SEE, K. VON, German Philology
SELLHEIM, R., Oriental Studies
STEIDLE, W., Classical Philology
STÖCKLEIN, P., Modern German Philology
SÜLLWOLD, F., Psychology
THOMAS, W., Indo-Germanic Philology
VIEBROCK, H., English Philology
VOSSLER, O., Medieval and Modern History

Faculty of Natural Sciences:
BAER, R., Mathematics
BERCKHEUER, H., Geophysics and Meteorology
BILZ, H., Theoretical Physics
BURKHARDT, D., Zoology
DÄNZER, H., Applied Physics
DIEMAIR, W., Dietetics
EGLE, K., Botany
FRANZ, W., Pure Mathematics
GREINER, W., Theoretical Physics
HARTMANN, H., Physical Chemistry
HARTNER, W., History of Natural Sciences
KAPLAN, R, W., Microbiology
KLAR, R., Chemical Technology
KÖTHE, G., Applied Mathematics
KRAMP, P., Anthropology
KRENZLIN, ANNELIESE, Cultural Geography
LEHMANN, H., Geography
LINDAUER, M., Zoology
MARTIENSSEN, W., Experimental Physics
MOUFANG, RUTH, Mathematics
MÜNSTER, A., Theoretical Physical Chemistry
O'DANIEL, H., Mineralogy
OELSCHLÄGER, H., Pharmaceutical Chemistry
PFLEIDERER, G., Biochemistry
RAUSCH, E., Psychology
ROYEN, P., Inorganic Chemistry
SCHOPPER, E., Nuclear Physics
STARCK, D., Anatomy
STAUDE, H., Physical Chemistry
STAUFF, J., Colloidal Chemistry and Physical Biochemistry
STUMMEL, F., Applied and Instrumental Mathematics
SÜSSMANN, G., Theoretical Physics
WIELAND, T., Organic Chemistry

Faculty of Economics and Social Sciences:
ABRAHAM, K., Economic Pedagogy
ACHINGER, H., Social Politics
BANSE, K., Commercial Economics
BLIND, A., Statistics
FETCHER, T., Political Science
HAGENMÜLLER, K., Banking Economics
HAUSER, K., Political Economy
HAX, K., Industrial Economics
KLAVEREN, J. J. VAN, History of Economics and Social Science
MATZNETTER, J., Economic Geography
MEINHOLD, H., Political Economy
MOXTER, A., Industrial Economy
NAPP-ZINN, A. F., Political Economy, esp. Economics of Transport
NEUMARK, F., Political Economy
PRIEBE, H., Agricultural Economy
RIEBEL, P., Economics
RÜEGG, W., Sociology
SAUERMANN, H., Political Economy
SCHMID, K., Political Science
TENBRUCK, F., Sociology
VEIT, O., Political Economy

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FREIBURG I. BR.,
BELFORTSTRASSE 11
Telephone: 31852.
Founded 1457.

Rector: Prof. Dr. JESCHECK.
Pro-Rector: Prof. Dr. Dr. PANZRAM.
Director of Administration: Dr. C. F. CURTIUS.

Number of teachers: 493, including 152 Ordinary Professors.
Number of students: 7,967 men, 3,621 women, total 11,588.

DEANS:

Faculty of Theology: Prof. Dr. KOLPING.
Faculty of Law and Politics: Prof. Dr. STREISSLER.
Faculty of Medicine: Prof. Dr. KALKOFF.
Faculty of Philosophy: Prof. Dr. BOESCH.
Faculty of Natural and Mathematical Sciences: Prof. Dr. Dr. h.c. FLÜZZE.

PROFESSORS:

Faculty of Theology:
DEISSLER, A., Old Testament Literature
FRANZEN, A., Church History
HENNING, R., Christian Sociology
HOFMANN, R., Moral Theology
KNAUBER, A., Pedagogy and Catechizing
KOLLWITZ, J., Patrology and Christian Archæology
KOLPING, A., Fundamental Theology
MOSIEK, U., Canon Law
PANZRAM, B., Ecclesiastical Law
RIEDLINGER, H., Dogmatics
STEGMÜLLER, F., Dogmatics
STEGMÜLLER, O., Apologetics and Science of Religion
VÖGTLE, A., New Testament Literature
VÖLKL, R., Philanthropy
WELTE, B., Frontiers of Theology

Faculty of Law and Politics:
BRANDL, K., Political Economy
BULLA, G.-A., Labour and Social Insurance Laws, Sociology
BÜLLINGER, M., State and Administrative Law
CAEMMERER, E. VON, Civil, Commercial and Administrative Law, Private International Law
DAMS, T., Political Economy, Agricultural Politics
EHMKE, H., Civil Law
GREWE, W., Politics, Law of Administration, Common Law
HAYEK, F. VON, Economics
HESSE, K., Political, Administrative and Ecclesiastical Law
HIPPEL, F. VON, Civil Law and Procedure, Philosophy of Law, Private International Law
JESCHECK, H.-H., German and Foreign Penal Law, Criminal and Civil Procedure, Forestry Law
KAISER, J. H., German and Foreign Public Law, International Law, Ecclesiastical Law
LOHMANN, M., Commercial Economics
MÜLLER, H., Civil Law and Procedure
MÜLLER, J. H., Economics
MÜLLER-FREIENFELS, W., International Civil Law
OBERHAUSA, A., Political Economy
POPITZ, H., Sociology
RITTNER, F., Town, Trade, Business and Labour Law
SCHMITH, R., Penal Law
STOLL, H., Civil Law
STREISSLER, E., Economics
THIEME, H., History of Law, Civil Law, Commercial and Economic Law
WOLF, E., Philosophy of Law, History of Legal Science, Church Law
WOLF, J. G., Roman Law
WOLFF, H. J., Roman and German Civil Law, History of Modern Civil Law
WÜRTENBERGER, T., Criminal Law and Procedure, Criminology

Faculty of Medicine:
ESCHLER, J., Facial-Maxillary Surgery
FLECKENSTEIN, A., Physiology
HAAS, R., Hygiene and Bacteriology
HAHN, F., Pharmacology
HEILMEYER, L., Internal Medicine
HOLZER, H., Physical Chemistry
JUNG, R., Neurology, Neuro-Physiology and Psychiatry
KALKOFF, K., Dermatology
KRAUSS, H., Surgery
KÜNZER, W., Children's Diseases
LANGENDORFF, H., Radiological Biology
REHM, H., Dentistry
REINDELL, H., Physiology of Labour
RIECHERT, T., Neuro-Surgery
RUFFIN, H., Psychiatry and Neurology
SARRE, H., Internal Medicine

SCHUMACHER, J., History of Medicine
WEGNER, W., Ophthalmology
WEYRICH, G., Forensic Medicine
WIMHÖFER, H., Obstetrics and Gynæcology
ZOLLINGER, H., General Pathology and Pathological Anatomy
ZÖLLNER, F., Oto-Rhino-Laryngology

Faculty of Philosophy:
BARTZ, F., Geography
BAUER, C., History
BOESCH, B., Old Germanic Philology
BÜCHNER, K., Classical Philology
DEUTSCHMANN, O., Romance Philology
EGGEBRECHT, H. H., Music
FINK, E., Philosophy and Science of Education
FRIEDRICH, H., Romance Philology
GUNDERT, H., Classical Philology
GUTENBRUNNER, S., Old High German Philology
HASSINGER, E., Modern History
HEISS, R., Philosophy and Psychology
HERZOG, R., Ethnology
HEUER, H., English Philology
KELLER, R., Geography
LAKEBRINK, B., Philosophy
LETTENBAUER, W., Slavonic Studies
LINK, F., English Philology
LÜDTKE, H., Romance Philology
MARX, W., Philosophy
MAURER, F., German Philology
MAUSER, W., History of Modern German Literature
NESSELHAUF, H., Ancient History
OBERNDORFER, D., Sociology
PILCH, H., English Philology
RÖMER, R., Islamic Studies
SANGMEISTER, E., Pre-History
SCHRAMM, G., Modern and Eastern European History
SCHUCHARDT, W.-H., Classical Archæology
STRASBÜRGER, H., Ancient History
SZEMEREM, O., General and Indo-European Linguistics
ZMARZEK, H.-G., Modern History

Faculty of Natural and Mathematical Sciences:
BARNER, M., Mathematics
BOL, G., Mathematics
BRAITSCH, O., Mineralogy and Petrography
BRAUER, G., Chemistry
FLÜGGE, S., Theoretical Physics
GANSSEN, R., Soil Science
GENZEL, L., Physics
GÖRTLER, H., Applied Mathematics
HASSENSTEIN, B., Zoology
HÖNL, H., Theoretical Physics
HÜSEMANN, E., Macromolecular Chemistry
KLINGEN, H., Mathematics
LÜTTRINGHAUS, A., Chemistry
MANTEL, K., Forestry Planning
MARQUARDT, H., Forest Botany
MARSCHALL, H., Theoretical Physics
MATOSSI, F., Physical Chemistry
MERZ, K. W., Pharmaceutical Chemistry
MITSCHERLICH, G., Forestry
MOHR, H., Botany
MORGENSTERN, D., Mathematical Statistics
NITSCHE, J., Mathematics
OSBERGHAUS, O., Physics
PFANNENSTIEL, M., Geology and Palæontology
POHL, R., Pharmacognosy
SCHLIER, C., Physics
SCHMIDT, T., Physics
SCHMIDT-VOGT, H., Forestry
SCHNEIDER, T., Mathematics
STEINLIN, H., Forestry

WALLENFELS, K., Chemistry
WEISCHET, W., Geography
WELLENSTEIN, G., Forestry

JUSTUS LIEBIG-UNIVERSITÄT

GIESSEN, LUDWIGSTRASSE 23

Telephone: 4951.

Founded 1607.

Rector: Prof. Dr. KEPP.
Pro-Rector: Prof. Dr. Dr. BOGUTH.

Number of teachers: 355, including 126 Professors.

Number of students: 3,091 men, 1,620 women, total 4,711.

DEANS:

Faculty of Philosophy: Prof. Dr. WEWETZER.
Faculty of Law and Economics: Prof. Dr. MALLMANN.
Faculty of Natural Science: Prof. Dr. SAUR.
Faculty of Agriculture: Prof. Dr. BRUNNE.
Faculty of Veterinary Medicine: Prof. Dr. MÜLLER.
Faculty of Medicine: Prof. Dr. DOST.

PROFESSORS:

Faculty of Philosophy:
BLUMENBERG, H., Philosophy
BRUNN, W. A. VON, Pre- and Early History
BUCHHEIT, V., Philology
CLASSEN, P., Medieval History
GÖHRING, M., History
GROSS, W. H., Classical Archæology
HEINRICHS, H. M., Germanic Philology
HESELHAUS, C., German Studies
HOFFMANN, W., Ancient History
HUDDE, W., Pedagogics
JAUSS, H. R., Romance Philology
KLEIN, H. W., Romance Philology
LEIMBERG, INGE, English Philology I
LUDAT, H., Eastern European History and General History of Economics
MIESKES, H., Pedagogy
MÜLLER, G., Greek Studies
NEUMANN, G., Phonetics
PATZE, H., Medieval History and Local History
PROSS, HELGE, Sociology
SCHABRAM, H., English Philology II
SCHULZE, F. W., English Studies
WAGNER, E., North African Language and Culture
WEWETZER, K., Psychology
WISSEMANN, H., Slavonic Philology

Faculty of Natural Science:
ANDERS, F., Genetics
BOERNER, H., Mathematics III
BÜCKMANN, D., Zoology II
DENFFER, D. VON, Botany
EDER, G., Theoretical Physics
EHRLICH, P., Chemistry
EWALD, H., Experimental Physics
GAIER, D., Applied Mathematics and Biomathematics
HANLE, W., Experimental Physics
KOCKEL, B., Theoretical Physics
KRÖHNKE, F., Chemistry
MANSHARD, W., Geography
MARUHN, K., Mathematics
MOSEBACH, R., Mineralogy and Petrology
NEUMANN, K., Physical Chemistry
PICKERT, G., Mathematics
SAUR, E., Applied Physics
SCHAEFER, U., Anthropology

SCHRAUB, A., Biophysics
UHLIG, H,. Geography
WEYL, R., Geology and Palæontology

Faculty of Agriculture:
BOGUSLAWSKI, E. VON, Plant Protection
BRUNE, H., Animal Husbandry
GLATHE, J., Microbiology
GROSSMANN, F., Phytopathology
GRUPPE, W., Fructiculture
KÖTTER, H., Agrarian Sociology
KRÜGER, L., Animal Breeding
LINSER, H., Plant Protection
MEIMBERG, P., Farm Management
SCHLOTTER, H.-G. Agricultural Politics
SCHMUCKER, HELGA, Housing
SCHÖNHALS, E., Soil Science and Soil Preservation
STÄHLIN, A., Grassland
WEBER, H., Agriculture

Faculty of Veterinary Medicine:
BARTELS, H., Animal Feeding
BLOBEL, H.-G., Bacteriology and Immunology
BOGUTH, W., Chemical Physiology
DEHNER, O., Clinical and Forensic Veterinary Medicine
FISCHER, H., Tropical and Subtropical Veterinary Medicine
FRIMMER, M., Veterinary Pharmacology
HORN, V., Veterinary Physiology
LÄMMLER, G., Parasitology and Parasitic Diseases in Domestic Animals
MÜLLER, H., Veterinary Surgery and Ophthalmology
PALLASKE, G., General Pathology, Pathological Anatomy and Histology
RIEK, G., Hereditary Diseases
ROTT, R., Virology
SCHUMMER, A., Anatomy
TILLMANN, H., Obstetrics
ULBRICH, F., Hygiene and Infectious Diseases of Animals

Faculty of Medicine:
BARTH, G., Medical Radiology
BOHNSTEDT, R. M., Dermatology and Venereal Diseases
CREMER, H. D., Nutrition
CÜPPERS, C., Orthoptics
DERWORT, A., Psychiatry
DOST, H., Pediatrics
EIGLER, G., Oto-Rhino-Laryngology
ERBSLÖH, F., Neurology
GRÜNER, O., Forensic Medicine
KEMKES, B., Hygiene
KEPP, R. K., Obstetrics and Gynæcology
KUHN, H.-A., Internal Medicine II
LASCH, H.-G., Internal Medicine I
MICHLER, M., History of Medicine
OKSCHE, A., Anatomy
OTT, V. R., Physical Medicine
PIA, H., Neurosurgery
RAUH, W., Ophthalmology
RETTIG, H., Orthopædics
RICHTER, H., Psychosomatics
SANDRITTER, W., General Pathology and Pathological Anatomy
STAUDINGER, H., Physiological Chemistry
THAUER, R., Physiology
UEXKÜLL, T. VON, Clinical Medicine
VOSSSCHULTE, K., Surgery
WAGNER, K.-H., Nutrition

Faculty of Law and Economics:
ALEWELL, K., Industrial Economy
BRAUNECK, ANNE-EVA, Penal Law and Criminology
HEDTKAMP, G., Political Economy and Finance
KRAUS, W., Social Economics in Developing Countries
MALLMANN, W., Public Law
RAMM, T., Labour and Social Law, Civil Law

RIDDER, H., Public Law and Political Science
SIMITIS, S., Commercial and Economic Law, Civil Law, International Private Law
WOLL, A., Political Economy

GEORG-AUGUST-UNIVERSITÄT ZU GÖTTINGEN

GÖTTINGEN, WILHELMSPLATZ 1

Telephone: 5021.

Founded 1736.

Rector: Prof. D. W. ZIMMERLI.
Pro-Rector: Prof. Dr. W. HENCKEL.
Curator: Dr. jur. H. DAHNKE.

Number of teachers: 438, including 142 Ordinary and Extraordinary Professors.

Number of students: 10,429 (men and women).

DEANS:

Faculty of Theology: Prof. Dr. Dr. C. COLPE.
Faculty of Law and Politics: Prof. Dr. K. KROESCHELL.
Faculty of Medicine: Prof. Dr. J.-E. MEYER.
Faculty of Philosophy: Prof. Dr. W. KILLY.
Faculty of Mathematics and Natural Sciences: Prof. Dr. G. BIRUKOW.
Faculty of Forestry: Prof. F. NÜSSLEIN.
Faculty of Agriculture: Prof. Dr. H. WILBRANDT.
Faculty of Economic and Social Science: Prof. Dr. B. SPIEGEL.

PROFESSORS:

Faculty of Theology:
ANDRESEN, C., Ecclesiastical History
COLPE, C., General Regional History
CONZELMANN, H., New Testament
DOERNE, M., Practical Theology
DONNER, H., Old Testament
HARBSMEIER, G., Practical Theology
JEREMIAS, J., New Testament
MOELLER, B., Ecclesiastical History
TRILLHAAS, W., Systematic Theology
WEBER, O., Theology of the Reformed Churches
WOLF, E., Ecclesiastical History
ZIMMERLI, W., Old Testament

Faculty of Law:
BADURA, P., Public Law
DEUTSCH, E., Civil Law, Commercial Law and International Private Law
ERLER, G., Public Law, State and Common Law
GAMILLSCHEG, F., Civil and Industrial Law
HENCKEL, W., Civil, Commercial and Process Law
HUBER, E. R., Public Law
KÖTTGEN, A., Political, Ecclesiastical and Administrative Law
KROESCHELL, K., Civil and Commercial Law
LEIBHOLZ, G., Political Science
MICHAELIS, K., Civil Law and History of German Law
NEUMANN-DUESBERG, H., Labour, Social and Civil Law, Copyright and Press Law
RINCK, G., Roman, Civil, Industrial Law
ROXIN, K., Penal and Procedural Law
SCHAFFSTEIN, F., Criminal Law, Process Law, Philosophy of Law
SCHMIDHÄUSER, E., Criminal Law and Civil Law
WEBER, W., Public Law
WIEACKER, F., Roman Law, Civil Law, History of Modern Private Law

Faculty of Medicine:
BAUER, H., Neurology
BECKER, P. E., Heredity
BLECHSCHMIDT, E., Anatomy
BODE, H.-G., Dermatology
BRANDIS, H., Hygiene and Bacteriology
CREUTZFELDT, W., Internal Medicine
DEUTICKE, H. J., Physiological Chemistry
GLEES, P., Histology and Experimental Neuro-Anatomy
HALLERMANN, W., Ophthalmology
HELLNER, H., Clinical Surgery
JOPPICH, G., Pædiatrics
JUNGMICHEL, G., Insurance Medicine
KIRCHOFF, H., Obstetrics and Gynæcology
KRAMER, K., Physiology
LENDLE, L., Pharmacology and Toxicology
LINZBACH, J., General Pathology and Pathological Anatomy
MEYER, J. E., Psychiatry
MIEHLKE, A., Oto-Rhino-Laryngology
RATH, G., History of Medicine

Faculty of Philosophy:
BECHERT, H., Indology
BIHLER, H., Romance Philology
BORGER, R., Assyriology
BRAUN, M., Slavonic Philology
DEICHGRÄBER, K., Classical Philology
DIETRICH, A., Arabic Philology
FRIEDRICH, W.-H., Classical Philology
GÖLLER, K. H., English Philology
HEIMPEL, H., Medieval and Modern History
HENTIG, H. VON, Pedagogy
HEUSS, A., Ancient History
HINZ, W., History of the Near East and East Europe
HORN, R., Classical Archæology
HUSMANN, H., Musicology
JANKUHN, H., Pre-History
KELLERMANN, W., Romance Philology
KILLY, W., German Philology
KLEIN, J., Philosophy
KRAUSE, W., Indo-Germanic Philology and Old Nordic Culture
LANGE, W., Germanic Philology, esp. Nordic Philology
NEUMANN, H., German Philology
NÜRNBERGER, R., Medieval and Modern History
PATZIG, G., Philosophy
RANKE, K., German Customs and Folklore
RICHTER, W., Classical Philology
ROOS, H., East European History
ROSEMANN, H. R., History of Art
ROTH, H., Pedagogy
SCHEIBE, E., Philosophy
SCHLACHTER, W., History of Language
SCHMID, W., Comparative Philology
SCHNATH, G., History of Lower Saxony
SCHÖNE, A., German Philology
SCHOTT, S., Egyptology
SEHRT, E. T., English Philology
SPANNAUS, G., Ethnology
STACKELBERG, J. Frhr. VON, Romance Philology
WENSKUS, R., Medieval and Modern History
WESCHE, H., Low German Philology
WITTRAM, R., East European History

Faculty of Mathematics and Natural Sciences:
AX, P., Zoology
BIRUKOW, G., Zoology
BROCKMANN, H., Organic Chemistry
CZAJKA, W., Geography
DEURING, M., Mathematics
FLAMMERSFELD, A., Physics
GLEMSER, O., Inorganic Chemistry
GOTTSCHALDT, K., Psychology
GRAUERT, J., Mathematics
HAASEN, P., Metallurgy
HARTEN, H.-U., Experimental Physics
HILSCH, R., Physics
JACOBS, K., Economic Statistics
JOST, W., Physical Chemistry
KIPPENHAHN, R., Theoretical Astrophysics
KNESER, M., Mathematics
LÜDERS, G., Theoretical Physics
LÜTTKE, W., Organic Chemistry
MAAK, W., Mathematics
MARTIN, H., Geology
MEYER, E., Physics
PIRSON, A., Botany
POSER, H., Geography
REMMERT, R., Mathematics
SCHLEGEL, H.-G., Microbiology
SEILACHER, A., Geology and Palæontology
TOLLMIEN, W., Applied Mechanics
VOIGT, H.-H., Astronomy and Astrophysics
WEDEPOHL, H., Geochemistry
WINKLER, H., Mineralogy
ZEMANN, J., Mineralogy and Crystallography

Faculty of Forestry:
BONNEMANN, A., Forestry
HARTMANN, F., Elements of Forestry
HASEL, K., History of Forestry
KNIGGE, W., Forest Utilisation
LANGE, O. L., Forest Botany and Mycology
NÜSSLEIN, F., Science of Hunting
SCHIMITSCHEK, E., Forest Zoology and Entomology
SCHOBER, R., Forest Organisation
SPEIDEL, G., Forest Politics and Economics
STREHLKE, E.-G., Forestry Work and Machines
WITTICH, W., Forest Soils

Faculty of Agriculture:
ABEL, W., Agricultural Politics
FUCHS, W., Plant Pathology and Plant Protection
GALLWITZ, K., Agricultural Machinery
HANAU, A., Marketing
HARING, F., Stock-breeding and Dairy Work
LENKEIT, W., Animal Physiology and Nutrition
MITSCHERLICH, E., Veterinary Science
SCHEFFER, F., Agricultural Chemistry
SCHEIBE, A., Seed-growing and Nursery Work
WILBRANDT, H., Foreign Agriculture
WOERMANN, E., Agricultural Economics

Faculty of Economics and Social Science:
AUGERMANN, A., Economics
BAHRDT, H. P., Sociology
DEPPE, H.-D., Industrial Economy
EGNER, E., Economics
HASENACK, W., Economics
HENN, R., Statistics
LÜCKE, W., Economics
RITTIG, G., Political Economy
SEIDEL, B., Political Science
SOLMS-RÖDELHEIM, Graf zu, Sociology
SPIEGEL, B., Economics and Social Psychology
SUNDHOFF, E., Economics
SURÁNYI-UNGER, T., Political Economy
WENDT, S., Political Economy

UNIVERSITÄT HAMBURG

HAMBURG 13,
EDMUND-SIEMERS-ALLEE 1
Telephone: 44 19 71.

Rector: Prof. Dr. E. SPERNER.
Pro-Rector: Prof. Dr. R. SIEVERTS.

Number of teachers: 827, including 189 Ordinary Professors.

Number of students: 13,639 men, 5,732 women, total 19,371.

DEANS:

Faculty of Evangelical Theology: Prof. G. KRETSCHMAR.
Faculty of Law: Prof. Dr. THIEME.
Faculty of Economics and Social Science: Prof. Dr. KLUTH.
Faculty of Medicine: Prof. Dr. BARTELHEIMER.
Faculty of Philosophy: Prof. Dr. BORCK.
Faculty of Mathematical and Natural Sciences: Prof. Dr. NEUERT.

PROFESSORS:

Faculty of Evangelical Theology:
GOPPELT, L., New Testament
HUNZINGER, C.-H., New Testament and Religions
KOCH, K., Old Testament
KRAUS, H.-J., Old Testament
KRETSCHMAR, G., New Testament and Church History
LOHFF, W., Systematic Theology
LOHSE, B., Church and Dogma History
MÜLLER-SCHWEFE, H.-R., Practical Theology
NEILL, S. C., Missions and Ecumenics
THIELICKE, H., Systematic Theology

Faculty of Law:
BÖTTICHER, E., Civil Procedure, Industrial Law
FELGENTRÄGER, W., Roman Law and Civil Law
HENKEL, H., Penal Law, General Law and Philosophy of Law
IPSEN, H. P., State and Administrative Law
KASER, M., Roman Law, Civil Law
KRÜGER, H., Public Law
MÖLLER, H., Civil and Insurance Law
SCHMIDHÄUSER, E., Criminal Law
SCHMIDT, R., Civil, Commercial and Insurance Law
SCHULTZE VON LASAULX, H., History of German Law, German Private Law
SIEVERTS, R., Criminal Law, Criminology, Youth Law
THIEME, H. W., Administrative Law, Public Law
WACKE, G., Public Law, Finance and Taxation
WÜRDINGER, H., Commercial Corporation and Maritime Law
ZEUNER, A., Civil Procedure, Civil Law, Labour Law
ZWEIGERT, K., Conflict of Laws and Comparative Law

Faculty of Economics and Social Science:
DIEDERICH, H., Industrial Economy
EHRLICHER, W., Political Economy
FETTEL, J., Industrial Economy, Executive and Trust Company Law, Industrial Taxation
GOLLNICK, H., Political Economy, Statistics
HENNIS, W., Political Science
HENZLER, R., Industrial Economy
JACOB, H., Industrial Economy
JANTKE, C., Sociology, Social and Economic History
JURGENSEN, H., Political Economy
KLUTH, H., Sociology
LANDSHUT, S., Political Science
LIPFERT, H., Industrial Economy
ORTLIEB, H.-D., Political Economy
RITSCHL, H., Political Economy
SCHILLER, K., Political Economy

Faculty of Medicine:
BARTELHEIMER, H., Internal Medicine
BÜRGER-PRINZ, H., Psychiatry and Nervous Diseases
EFFENBERGER, E., Labour Medicine
FLEISCHHAUER, K., Anatomy
FRANKE, J., Facial Maxillary Surgery
FRITZ, E., Forensic Medicine
GARDEMIN, H., Orthopædics
HARMSEN, H., Hygiene
HAUSSER, E., Orthodontics
HORATZ, K., Anæsthesiology
HORSTMANN, E., Anatomy
JANZEN, R., Neurology
JORES, A., Internal Medicine
KAUTZKY, R., Neurosurgery
KIMMIG, J., Dermatology
KÜHNAU, J., Physiological Chemistry
KÜNKEL, H., Radiobiology
LICHTENTHAELER, C., History of Medicine
LINK, R., Otology
MALORNY, G., Pharmacology
PRÉVÔT, R., Radiology
REICHEL, H., Physiology
RITZE, H., Dental Prosthesis
ROEMER, B., Bacteriology and Neurology
SAUTTER, H., Ophthalmology
SCHÄFER, K.-H., Children's Diseases
SCHUCHARDT, K., Dentistry
SEIFERT, G., General Pathology and Pathological Anatomy
THOMSEN, K., Obstetrics and Gynæcology
VOGEL, J., Tropical Medicine and Parasitology
ZUKSCHWERDT, L., Surgery

Faculty of Philosophy:
ALSDORF, L., Indian Culture and History
BECK, A., German Philology and Modern Literature
BENL, O., Japanese Studies
BLEICKEN, J., Ancient History
BORCK, K.-H., German Philology
BORINSKI, L., English Language and Culture
BRUNNER, O., Medieval and Modern History
CARSTENSEN, B., English Language and Culture
DADELSEN, G. VON, Musicology
FISCHER, F., Medieval and Modern History
FLASCHE, H., Romance Philology
FRANKE, W., Sinology
GEISSLER, G., Pedagogics
GERHARDT, D., Slavonic Philology
HAAS, R., English Language and Culture
HARTMANN, H., Comparative Language Studies
HAUSMANN, G., Pedagogics
HÄVERNICK, W., German Archæology, Numismatics
HELCK, W., Egyptology
HEMPEL, W., Romance Philology
HENNIS, W., Sociology
HOFSTÄTTER, P., Psychology
JANTZEN, U., Archæology
KLUTH, H., Sociology
KNOCHE, U., Classical Philology
KRUSE, MARGOT, Romance Philology
LANDSHUT, S., Political Science
LENTZ, W., Iran Studies
LUKAS, J., African Languages and Cultures
MATTHES, W., Prehistory and German Early History
METTE, H. J., Classical Philology
OESTREICH, G., Medieval and Modern History
PRETZEL, U., German Philology
RUDOLPH, H., Ancient History
SCHLESIER, E., Ethnology
SCHNEIDER, K.-L., German Philology and Modern Literature
SCHÖNE, W., History of Art
SIMON, W., German and Old German Philology
SINGER, H., German Philology and Modern Literature
SPULER, B., Islamic Studies
TAUSCH, R., Psychology
TIEMANN, H., Romance Philology
WEIZSÄCKER, C. F., Philosophy
WENKE, H., Pedagogics
ZECHLIN, E., Medieval and Modern History
ZIMMERMANN, G., Old American Languages and Cultures

Faculty of Mathematical and Natural Sciences:
BROCKS, K., Geophysics, esp. Meteorology
BÜCKMANN, A., Marine Biology
COLLATZ, L., Mathematics
DÖRING, W., Theoretical Physics
DRAWERT, H., General Botany
DRESCHER, K., Mineralogy, Petrography, Encampments
ENGEL, H., Microbiology
ESTERMANN, I., Physical Chemistry
FRIEDRICH, H., Pharmacognosy
GLEISBERG, W., Applied Botany
GRIM, O., Shipbuilding
HAFFNER, H., Astronomy
HANSEN, J., Construction and Statics of Ships
HANSEN, W., Oceanography
HASSE, H., Mathematics
HECKMANN, O., Astronomy
HEYNS, K., Chemistry
HILF, H. H., Forest Economy
ILLIES, K., Marine Engineering
JENTSCHKE, W., Physics
JORDAN, P., Theoretical Physics
KÄHLER, E., Mathematics
KNAPPWOST, A., Physical Chemistry
KOLB, A., Geography
KOSSWIG, C., Zoology
KRAMER, G., Theoretical Physics
KREUTZKAMP, N., Pharmaceutical Chemistry
LEHMANN, H., Theoretical Physics
LERBS, H., Shipbuilding
LIESE, W., Timber Technology
MAYER-WEGELIN, H., Timber Technology
MENZEL, H., Geophysics
MEVIUS, W., General Botany
MEYER-ABICH, History of Natural Science
MINKOWSKI, R., Theoretical Physics
MÖLLER, H.-G., Applied Physics
NAST, R., Inorganic Chemistry
NEUERT, H., Physics
OBERBECK, G., Geography
RAETHER, H., Applied Physics
RAETHJEN, P., Meteorology
REMY, H., Inorganic and Analytical Chemistry
ROSE, H., Mineralogy and Petrography
RUGE, U., Applied Botany
SAALFELD, H., Mineralogy
SANDERMANN, W., Timber Technology
SANDNER, G., Geography
SCHEIDT, W., Anthropology
SCHULBACH, H. H., Chemistry
SINN, H., Applied Chemistry
SPERNER, E., Mathematics
STÄHELIN, P., Physics
STICKER, B., History of Natural Scincee
TERWORST, L., Theoretical and Applied Physics

TEUCHER, M., Physics
THORN, W., Biochemistry
TRAVING, G., Theoretical Astrophysics
VOIGT, E., Geology and Palæontology
WALTER, W., Theoretical Organic Chemistry
WANGERIN, A., Marine Electrical Engineering
WEINBLUM, G., Shipbuilding
WEISS, E., Special Inorganic and Analytical Chemistry
WENDEL, K., Ship Design
WERNER, H., Food Chemistry
WIEBECKE, C., Forestry
WIEGHARDT, K., Shipbuilding
WITT, E., Mathematics

RUPRECHT-KARL-UNIVERSITÄT

HEIDELBERG, GRABENGASSE 1

Telephone: 541.

Founded 1386.

Rector: Prof. Dr. theol. G. BORNKAMM.
Pro-Rector: Prof. Dr. K. SCHÄFER.

Number of teachers: 550, including 125 Ordinary Professors.

Number of students: 8,951 men, 4,162 women, total 13,113.

DEANS:

Faculty of Theology: Prof. Dr. H.-W. HEIDLAND.
Faculty of Law: Prof. G. BROGGINI.
Faculty of Medicine: Prof. Dr. F.-W. BRAUSS.
Faculty of Philosophy: Prof. Dr. A. HENKEL.
Faculty of Natural Sciences: Prof. Dr. C. SCHMELZER.

PROFESSORS:

Faculty of Theology:
BORNKAMM, G., New Testament Exegesis
BORNKAMM, H., Historical Theology
BRUNNER, P., Systematic Theology
CAMPENHAUSEN, H. VON, Historical Theology
DINKLER, E., New Testament Theology and Christian Archæology
GENSICHEN, H. W., History of Religion
HAHN, W., Practical Theology
HEIDLAND, H.-W., Practical Theology
KOHLER, W., History of Religion and Christian Missions
KRIMM, H., Practical Theology
KUHN, K. G., New Testament Exegesis
RAD, G. VON, Old Testament Exegesis
RENDTORFF, R., Old Testament Exegesis
SCHLINK, E., Dogmatics
TÖDT, H. E., Social Ethics
WESTERMANN, C., Old Testament Exegesis

Faculty of Law:
BROGGINI, G., Roman and Civil Law
FORSTHOFF, E., Public Law
FRIEDRICH, C. J., Political Science
GALLAS, W., Philosophy of Law, Penal and Criminal Law
GUTZWILLER, M., Roman and German Common Law
HANACK, E.-W., Penal and Procedural Law
HEFERMEHL, W., Labour, Civil, Commercial and Economic Law
JAUERNIG, O., Civic and Procedural Law
LEFERENZ, H., Criminology
MOSLER, H., Public, International and Foreign Public Law
NIEDERLÄNDER, H., Civil Law, Roman Law, Comparative Law
REICKE, S., German Legal History, Canon Law and Civil Law
SCHMIDT, E., Penal Law, Penal Procedure, History of Law
SCHNEIDER, H., Public Law
SERICK, R., Private, Comparative and Commercial Law, Foreign Private Law
WEBER, F., Civil and Process Law

Faculty of Medicine:
BAEYER, W. Ritter VON, Psychiatry and Neurology
BAMBERGER, P., Pediatrics
BECKER, J., Radiology
BRAUSS, F.-W., Hygiene and Bacteriology
DOERR, W., General Pathology and Pathological Anatomy
EICHLER, O., Clinical Pharmacology
FERNER, H., Anatomy
HÄMEL, J., Dermatology and Venereal Diseases
JAEGER, W., Ophthalmics
KINDLER, W., Oto-Rhino-Laryngology
KUHN, R., Biochemistry
KUTSCHER, W., Physiological Chemistry
LETTRÉ, H., Experimental Cancer Research
LINDEMANN, K., Orthopædics
LINDER, F., Surgery
MUELLER, B., Forensic Medicine
PLÜGGE, H., Internal Medicine
RITTER, R., Dentistry
SCHAEFER, H., Physiology
SCHIPPERGES, H., History of Medicine
VOGEL, F., Anthropology and Human Genetics
VOGEL, P., Internal Medicine and Neurology

Faculty of Philosophy:
ALBERTINI, R. VON, Modern History
BALDINGER, K., Romance Philology
BAUER, W., Sinology
BÖVENTER, E. VON, Economic and Social History
BRANDT, A. VON, Medieval and Modern History
BULST, W., Medieval Latin Philology
CONZE, W., Modern History
DIRLMEIER, F., Classical Philology
EIS, G., German Philology and Folklore
ERNST, F., Medieval and Modern History
FALKENSTEIN, A., Semitic Philology
FRIEDRICH, C. J., Political Science
FRITSCH, B., Politics and Economics
GADAMER, H. G., Philosophy
GRAUL, H., Geography
GSCHNITZER, F., Ancient History
HALLER, H., Sociology and Economics
HAMMERSTEIN, R., Study of Music
HAMPE, R., Classical Archæology
HENKEL, A., History of Modern German Literature
HESS, G., Romance Philology
KÖHLER, E., Romance Philology
KROMPHARDT, W., Sociology and Economics
LINDHEIM, B. VON, English
LÖWITH, K., Philosophy
MASCHKE, E., Social and Economic History
MILOJČIĆ, V., Prehistory
MÜHLMANN, W., Sociology and Ethnology
OTTO, E., Egyptology
PAATZ, W., History of Art
PFEIFER, G., Geography
POLENZ, P. VON, German Philology
PÖSCHL, V., Classical Philology
RÖHRS, H., Pedagogics
RUDERT, J., Psychology
SCHERER, A., Comparative Linguistics
SCHILLER, O., Agricultural Policy and Social Economy of Agriculture
SENGLE, F., History of Modern German Literature
STERNBERGER, D., Political Science
SÜHNEL, R., English Language and Literature
TOPITSCH, E., Sociology
WAGENFÜHR, R., Statistics
WAPNEWSKI, P., German Philology
WITTMANN, W., Science of Industrial Administration

Faculty of Natural Sciences:
BECKE, MARGOT, Inorganic and Analytical Chemistry
DUSPIVA, F., Zoology
ELSÄSSER, H., Astronomy
FISCHBECK, K., Applied Physical Chemistry
FRICKE, W., Astronomy
GENTNER, W., Physics
HAXEL, O., Physics
HOFMANN, U., Inorganic Chemistry
JENSEN, J. D., Theoretical Physics
JÖRGENS, K., Mathematics
KIENLE, H., Astronomy
KÖTHE, G., Applied Mathematics
KRICKEBERG, K., Theory of Probability, Mathematic Statistics
MAAS, H., Mathematics
RAUH, W., Systematic Botany
SCHÄFER, K., Physical Chemistry
SCHMELZER, C., Applied Physics
SCHMIDT, F. K., Mathematics
SCHMIDT, O., Chemistry
SEIFERT, H., Mathematics
SEYBOLD, A., Botany
SIMON, W., Geology and Palæontology
STECH, B., Theoretical Nuclear Physics
TAMM, K., Applied Physics
WEIDENMULLER, H.-A., Theoretical Nuclear Physics
WESSEL, W., Mechanics
WITTIG, G., Organic Chemistry
ZIMMER, K. G., Ray Biology

CHRISTIAN-ALBRECHTS-UNIVERSITÄT

KIEL, NEUE UNIVERSITÄT, OLSHAUSENSTRASSE 40/60

Telephone: 51131.

Founded 1665.

Rector: Prof. Dr. W. BARGMANN.
Pro-Rector: Prof. D. G. HOFFMANN.

Number of teachers: 380, including 153 Ordinary Professors.

Number of students: 5,184 men, 1,850 women, total 7,034.

DEANS:

Faculty of Theology: Prof. D. MEINHOLD.
Faculty of Law and Political Science: Prof. Dr. MEDICUS.
Faculty of Medicine: Prof. Dr. VON KÜGELGEN.
Faculty of Philosophy: Prof. Dr. BRAUNERT.
Faculty of Mathematics and Science: Prof. Dr. DIETRICH.
Faculty of Agriculture: Prof. Dr. LANGLET.
Medical Academy Lübeck: Prof. Dr. PREUNER.

PROFESSORS:

Faculty of Theology:
BEYERLIN, W., Old Testament
ENGELLAND, H., Systematic Theology
HAHN, F., New Testament

- HERTZBERG, H. W., Old Testament
- HOFFMANN, G., Practical Theology
- KLEIN, G., New Testament
- KRAFT, H., Church History and Dogma
- MAASS, F., Old Testament
- MEINHOLD, P., Church History and Dogma
- REDEKER, M., Systematic Theology
- SCHULTZ, W., Systematic Theology, Philosophy and History of Religion

Faculty of Law and Political Science:

- BÖHMERT, V., Public Law
- BRANDT, H., Public Law and Civil Law
- BRECHER, F., Civil, Commercial, Economic and Industrial Law
- BUSSE VON COLBE, W., Economics
- DILCHER, H., Roman, Process and Public Law
- FREUND, M., History of Politics
- GABRIEL, S., Political Economy
- GRAUE, E. D., Civil, International and Comparative Law
- HATTENHAUER, H., History of German Law, Civil and Commercial Law
- JOCHIMSEN, R., Political Economy
- KOLMS, H., Financial Economics
- MEDICUS, D., Roman and Public Law
- MEISSNER, B., East European Law, Sociology, Politics
- MENGER, C.-F., Public Law
- MENZEL, E., Public Law
- NANCKE, W., Criminal Law, Criminology, Jurisprudence
- PAULUS, G., Civil Law
- RAISCH, P., Civil, Commericial, Economic and Industrial Law
- RICHTER, R., Political Economics
- SCHEYHING, R., History of German Law, Civil Law
- SCHMID, W., Criminal Law
- SCHNEIDER, E., Political Economy
- VOGT, WINFRIED, Political Economy
- WETZEL, W., Statistics
- WURZBACHER, G., Sociology and Social Sciences

Faculty of Medicine:

- BARGMANN, W., Anatomy
- BERNSMEIER, A., Internal Medicine
- GÄRTNER, H., Hygiene and Bacteriology
- GRIESSER, G., Documentation and Statistics of Medicine
- HALLERMANN, W., Forensic and Social Medicine
- HERRLINGER, R., History of Medicine
- HUBER, H., Gynæcology
- KÜGELGEN, A. VON, Anatomy
- LEHMANN, W., Human Genetics
- LENNERT, K., Pathology and Pathological Anatomy
- LÖHR, B., Surgery
- LULLIES, H., Physiology
- LÜLLMANN, H., Pharmacology
- MONJE, M., Applied Physiology
- MÜLLER, E., Oto-Rhino-Laryngology
- NETTER, H., Physiological Chemistry
- PAU, H., Ophthalmics
- PFLEIDERER, H., Medical Climatology, Physiotherapy
- PROPPE, A., Skin and Venereal Diseases
- ROHLEDERER, O., Orthopædics
- SCHAEUBLE, J., Anthropology
- SCHREIBER, H., Biophysics
- SPRETER VON KREUDENSTEIN, T., Dentistry
- STÖRRING, G., Psychiatry and Neurology
- WEISSBECKER, L., Internal Medicine
- WIEDEMANN, H.-R., Pædiatrics

Faculty of Philosophy:

- APEL, K., Philosophy
- BRAUNERT, H., Ancient History
- BRÖCKER, W., Philosophy
- BUCHLOH, P., English Philology
- BURCK, E., Classical Philology
- BUSCH, V., Slavonic Philology
- CONRADY, K. O., History of German Literature
- CORDES, G., German and Low German Philology
- DILLER, H., Classical Philology
- ERDMANN, K.-D., Medieval and Modern History
- FUHRMANN, M., Classical Philology
- GERMER, R., English Philosophy
- HEGER, K., Romance Philology
- HINTERHÄUSER, H., Romance Philology
- HOENERBACH, W., Arabic Philology
- JORDAN, K., Medieval and Modern History
- KOSSACK, G., History
- KRAIKER, W., Classical Archæology
- KRETZENBACHER, L., Ethnology
- KUHN, H., Old German and Nordic Philology
- LIENHARD, S., Indology
- NICKEL, G., English Style
- OHLY, F., German Philology
- RAUCH, G. VON, East European History
- SCHARFF, A., North German History
- SCHUBERT, FR. H., Medieval and Modern History
- SCHUBERT, H., Mathematics
- SCHÜTTE, K., Logistics and Scientific Method
- STEGER, H., German Philology
- TINTELNOT, H., History of Art
- TRAXEL, W., Psychology
- TRUNZ, E., Modern German Language and Literature
- WEGENER, H., Psychology
- WEINRICH, H., Romance Philology
- WILHELM, F., Geography
- WILHELM, T., Pedagogics
- WINTER, W., Indo-German Phonetics
- WIORA, W., Music
- WURZBACHER, G., Sociology and Social Sciences

Faculty of Mathematics and Science:

- BACHMANN, F., Mathematics
- BAGGE, E., Physics
- DIETRICH, G., Oceanography
- GASCHÜTZ, W., Mathematics
- GREWE, R., Organic Chemistry
- HELLNER, E., Mineralogy
- HERRE, W., Zoology
- JUNG, K., Geophysics
- JUZA, R., Inorganic Chemistry
- KÄNDLER, R., Oceanography, Biology
- KARL, F., Mineralogy
- KOPPE, H., Theoretical Physics
- KROEBEL, W., Physics
- KRÖMMELBEIN, K., Geology, Palæontology
- LOCHTE-HOLTGREVEN, W., Experimental Physics
- MARTIN, H., Physical Chemistry
- MORTIZ, O., Botany
- OVERBECK, F., Botany
- PRECHT, H., Zoology
- REMANE, A., Zoology
- SCHAEUBLE, J., Anthropology
- SCHLENGER, H., Geography
- SCHLIEPER, C., Zoology
- SCHUBERT, H., Mathematics
- SCHULTZ, O.-E., Pharmaceutical Chemistry
- SCHUTTE, K., Logistics
- SEIBOLD, E., Geology and Palæontology
- UNSÖLD, A., Theoretical Physics
- WEISE, K.-H., Mathematics
- WILHELM, F., Geography

Faculty of Agriculture:

- ALBERS, W., Agrarian Economics and Marketing
- BAUMANN, H., Water Supply and Amelioration
- BECKER, M., Animal Physiology and Nutrition
- BLOHM, G., Agricultural Labour and Economics
- BÖRNER, H., Phytopathology
- HERRE, W., Anatomy and Physiology of Domestic Animals
- KÖHNLEIN, J., Plant Cultivation
- KÖNIG, A., Agricultural Machinery
- LANGLET, J.-F., Cattle Breeding and Rearing
- OVERBECK, F., Botany
- SCHROEDER, D., Plant Feeding and Soil Science
- STAMER, H., Agrarian Economics and Marketing
- STEINHAUSER, H., Agricultural Labour and Economics

Medical Academy Lubeck (Second Faculty of Medicine)

- JECKELN, E., Pathology
- KLEINSCHMIDT, Internal Medicine
- MASSENBACH, W. VON, Gynæcology
- PREUNER, R., Hygiene
- REME, H., Surgery
- ZETLER, G., Pharmacology

UNIVERSITÄT ZU KÖLN

KÖLN (COLOGNE), ALBERTUS-MAGNUS-PLATZ

Telephone: 20241.

Founded 1388.

Rector Magnificus: Prof. Dr. G. SCHMÖLDERS.

Pro-Rector: Prof. Dr. H. PETERS.

Number of teachers: 560, including 177 Ordinary Professors.

Number of students: 19,723.

DEANS:

Faculty of Economics and Social Sciences: Prof. Dr. E. SUNDHOFF.

Faculty of Law: Prof. Dr. U. KLUG.

Faculty of Medicine: Prof. Dr. R. ORTMANN.

Faculty of Philosophy: Prof. Dr. P. WILPERT.

Faculty of Mathematics and Natural Sciences: Prof. Dr. K. JASMUND.

PROFESSORS:

Faculty of Economics and Social Sciences:

- ADAM, A., Statistics
- ANGER, H., Economic and Social Psychology
- BENTE, H., Political Economy
- BESTE, T., Industrial Management
- BRAESS, P., Insurance
- BREUER, J., Statistics
- BRÜNING, H., Political Science
- DÖRSCHEL, A., Pedagogics
- GROCHLA, E., Economics
- GUTENBERG, E., Industrial Management
- HERMENS, F., Political Science
- KELLENBENZ, H., Economic and Social History
- KÖNIG, R., Sociology
- KRAUS, T., Economic Geography
- KUTZELNIGG, A., Economics
- MANN, F. C., Finance
- MÜLLER-ARMACK, A., Political Economy
- MÜNSTERMANN, H., Industrial Management
- OTREMBA, E., Economic Geography
- RITTERHAUSEN, H., Industrial Science
- SCHLIEPER, F., Economics
- SCHMÖLDERS, G., Political Economy
- SCHREIBER, W., Political Economy
- SEYFFERT, R., Industrial Management
- SUNDHOFF, E., Industrial Management
- WEISSER, G., Sociology

WESSELS, T., Political Economy
WIESE UND KAISERWALDAU, L. VON, Political Economy and Sociology
WILLEKE, R., Political Economy
WILLGERODT, H., Political Economy

Faculty of Law:
BÖRNER, B., Civil Law, Economic Law
CARSTENS, K., Public and International Law
ERMAN, W., Civil Law
HERING, C. J., Church Law
HIPPEL, E. VON, Public Law, Philosophy of Law and Politics
HÜBNER, H., Civil Law, Roman Law
JAHRREISS, H., Public Law, Law of Nations, Philosophy of Law
KEGEL, G., Private International Law
KELSEN, H., Public Law, International Law
KLINGMÜLLER, E., Insurance, Civil, and Commercial Law
KLUG, U., Penal Law, Process Law, Civil Process Law, Philosophy of Law, Banking Law
LANGE, R., Penal Law, Civil and Penal Procedure
MAYER-MALY, T., Civil and Roman Law
MEISSNER, B., East German Law
NIPPERDEY, H. C., German Law, Law of Citizenship, Commercial and Industrial Law
OEHLER, D., Penal Law, Penal Process Law, Foreign and International Penal Law, Ev. Church Law
PETERS, H., Public Law
REHFELDT, B., Civil and Commercial Law, History of German Law
SCHMIDT, R., Roman and German Civil Law
SEIDL, E., Roman and German Civil Law
SEIDL-HOHENVELDERN, I., Civil Law

Faculty of Medicine:
BENNHOLDT-THOMSEN, C., Children's Diseases
DOTZAUER, G., Forensic Medicine
GRÖSCHEL, W., Dentistry
GROSS, R., Internal Medicine
GUTTMANN, L., Neurology
HACKENBROCH, M., Orthopædic Surgery
HEBERER, G., Surgery
HOFE, K. VON, Ophthalmology
HOFFMANN, V., Surgery
KAUFMANN, C., Gynæcology
KISCH, B., Physiology
KLENK, E., Physiological Chemistry
KNIPPING, H. W., Internal Medicine
KÖHLER, J. A., Dentistry
LENTZE, F., Hygiene and Bacteriology
MIES, H., Normal and Pathological Physiology
ORTMANN, R., Anatomy
SCHEID, W., Neurology and Psychiatry
SCHINK, W., Surgery
SCHMIDHUBER, K., Dentistry
SCHNEIDER, M., Physiology
SCHÜLLER, J., Pharmacology and Toxicology
SCHÜMMELFELDER, N., Pathology and Anatomy
SEIFERTH, L., Treatment of the Nose, Ear and Throat
STADTMÜLLER, F., Anatomy
STEIGLEDER, G. K., Dermatology
TÖNNIS, W., Nerve Surgery
VEIT, O., Anatomy
ZILKENS, K., Dentistry
ZIPF, H. F., Pharmacology and Toxicology

Faculty of Philosophy:
ANGERMANN, E., Anglo-American History
BADENHAUSEN, R., Theatricals
BOECKMANN, P., History of Modern German Literature
BÜTTNER, H., Medieval and Modern History, Historical Auxiliary Sciences
CASKEL, W., Oriental Philology
DAHLMANN, H., Classical Philology
DIHLE, A., Classical Philology
DRECHSLER, J., Pedagogy
FELLERER, K.-G., Musicology
FRICKE, G., History of Modern German Literature
FUCHS, W., Sinology
GERHARD, D., American Studies
GRÄF, E., Semitic and Islamic Studies
GROOTHOFF, H.-H., Pedagogy
HEIMSOETH, H., Philosophy
HEMPEL, H., Old German Philology, Old Nordic
HEYDRICH, M., Ethnology
HINCK, W., Modern German Language and Literature
ISER, W., English Philology
JACHMANN, G., Classical Philology
JANERT, K., Indology
KÄHLER, H., Classical Archæology
KALLEN, G., Medieval and Modern History
KAYSER, K., Geography
KIBELKA, J., German Philology
KOCH, J., Medieval Philosophy
KÖHLER, O., African Studies
KROLL, J., Classical Philology
LADENDORF, H., Art History
LANDGREBE, L., Philosophy
LANGOSCH, K., Middle Latin Philology
LEYEN, F. VON DER, German Philology
MERKELBACH, R., Classical Philology
OLESCH, R., Slavonic Philology
PETRI, H., Ethnology
PIEL, J., Roman Philology
QUINT, J., German Philology
RUBIN, B., Byzantine Studies
RUMPF, A., Classical Archæology
SALBER, W., Psychology
SCHALK, F., Romance Philology
SCHIEDER, T., Medieval and Modern History
SCHIEFFER, T., Medieval and Modern Art History
SCHWABEDISSEN, H., Prehistory, Early History
SEILER, H., Comparative Philology
STANDOP, E., English Philology
STÖKL, G., East European History
TIMMERMANN, O. F., Geography
TSCHIRCH, F., German Philology
UNDEUTSCH, U., Psychology
VERMEEREN, P. J. H., Netherlands Philology
VOLKMANN, J., Ancient History
VOLKMANN-SCHLUCK, K. H., Philosophy
WANDRUSZKA, A., Medieval and Modern History
WICKERT, L., Ancient History
WILPERT, P., Medieval History
ZWIRNER, E., Phonetics and Speech

Faculty of Mathematics and Natural Sciences:
BIRKOFER, L., Organic Chemistry
BURGER, E., Mathematical Statistics and Economic Mathematics
DELBRÜCK, M., Genetics
DÖRGE, K., Mathematics
FEHER, F., Inorganic Chemistry
HEIDERMANNS, C., Comparative Animal Physiology
HERR, W., Nuclear Chemistry
HEYDRICH, M., Ethnology
HOHEISEL, G., Mathematics
HUBER, F., Veterinary Physiology
JAENICKE, L., Biochemistry
JASMUND, K., Mineralogy and Petrography
JAUMANN, J., Experimental Physics
JEHNE, W., Mathematics
KAYSER, K., Geography
KIRCHNER, F., Experimental and Applied Physics
KLENK, E., Physiological Chemistry
KÖNIG, H., Mathematics
KUHN, O., Zoology and Comparative Anatomy
LAUTERJUNG, K. H., Nuclear Physics
MENKE, W., Botany
MÜHLSCHLEGEL, B., Theoretical Physics
PAETZOLD, H. K., Geophysics and Meteorology
PETRI, H., Ethnology
PFANZAGL, J., Mathematics
SALBER, W., Psychology
SAUTER, F., Theoretical Physics
SCHAEFER, C., Physics
SCHÄFKE, F. W., Mathematics
SCHMID, G., Physio-chemistry and Colloidal Chemistry
SCHRÖDER, J., Mathematics
SCHULTZ, A., Geography
SCHWABEDISSEN, H., Prehistory, Early History
SCHWARZBACH, M., Geology
STRAUB, J., Botany
TIMMERMANN, O. F., Geography
UNDEUTSCH, U., Psychology
VOGEL, E., Organic Chemistry
WINTGEN, R., Chemistry

JOHANNES GUTENBERG-UNIVERSITÄT

MAINZ, SAARSTRASSE 21

Telephone: 371.

Founded 1477; closed 1816; re-opened 1946.

Rector: Prof. Dr. H. LEICHER.
Secretary: W. PICHLMAIER.
Registrar: F. EICHHOLZ.
Librarian: Dr. H. SAUTER.

Number of teachers: 492, including 129 Ordinary Professors.

Number of students (Summer 1965): 8,581.

The library contains 480,000 vols.

Publications: *Rektoratsbericht, Mainzer Universitätsreden.*

DEANS:

Faculty of Catholic Theology: Prof. Dr. G. MAY.
Faculty of Evangelical Theology: Prof. Dr. G. OTTO.
Faculty of Law and Economics: Prof. Dr. R. MEIMBERG.
Faculty of Medicine: Prof. Dr. G. KORTING.
Faculty of Philosophy: Prof. Dr. T. BALLAUFF.
Faculty of Natural Sciences: Prof. Dr. H. RISLER.
Foreign and Interpreters' Institute: Prof. Dr. R. BRUMMER (*Director*).

PROFESSORS:

Faculty of Catholic Theology:
ADAM, A., Practical Theology
ADLER, N., New Testament
BERG, L., Christian Anthropology and Social Ethics
BETZ, J., Theological Propædeutics and Dogma
HAUBST, R., Dogmatics
KRAUS, J., Moral Theology
LENHART, L., Church History and Patrology
MAY, G., Church Law

REATZ, A., Dogmatic Theory and History
ROTTER, F. O., Apologetics, Religious Science
SCHNEIDER, H., Old Testament
ZIEGLER, J. G., Moral Theology

Faculty of Evangelical Theology:
BRAUN, H., New Testament
BRÜCK, A. P., Church History, Religious Folklore
DELEKAT, F., Systematic Theology, Philosophy and Pedagogy
HOLSTEN, W., General Divinity and Missions
JANNASCH, W., Practical Theology
KUSCHKE, A., Old Testament, Biblical Archæology
LORENZ, R., History of the Church and Dogma
MEZGER, M., Practical Theology
OTTO, G., Practical Theology
PANNENBERG, W., Systematic Theology
RAPP, E. L., Christian Orientalism
SCHMIDT, M., History of the Church, Dogma
STÄHLIN, G., New Testament
VÖLKER, W., History of Church and Dogma
WIESNER, W., Systematic Theology
WOLFF, H. W., Old Testament

Faculty of Law and Economics:
ARMBRUSTER, H., Public Law
BÄRMANN, J., Civil Law
BARTHOLOMEYCZIK, H., Civil, Economic, Labour Law
ELLINGER, T., Commercial Law
FICKER, H., Civil, International and Comparative Law
HANSMEYER, K. H., Political Economy and Finance
HETTLAGE, K. M., Public Law
LANG-HINRICKSEN, D., Penal Law, Criminal Procedure
LANGE, H., Roman and Civil Law
LENEL, H. O., Political Economy
MEIMBERG, R., Political Economy
MONTANER, A., Economics and Finance
NOLL, P., Penal Law
NÖLL VON DER NAHMER, R., Economics and Finance
PARTSCH, K. J., Public Law
PLEYER, K., Civil, Commercial, Labour, Civil Procedural Law
ROSE, K., Political Economy
SCHENERLE, W., Civil, Labour, Commercial, Civil Procedural Law
SCHNEIDER, P., Public Law
SCHWANTAG, K., Commercial Law
STÖWE, H., Statistics
WELTER, E., Political Economy
ZÖLLNER, W., Civil, Labour, Commercial, Civil Procedural Law

Faculty of Medicine:
BORNEFF, J., Hygiene and Bacteriology
BRANDT, G., Surgery
BREDT, H., General Pathology and Pathological Anatomy
DABELOW, A., Anatomy
DIEPGEN, P., History of Medicine
DIETHELM, L., Theory of Medical Radiation
DUESBERG, R., Internal Medicine
HEISCHKEL-ARTELT, EDITH, History of Medicine
HERRMANN, M., Dental Surgery
JESS, A., Ophthalmics
JUNG, F., Dentistry
KEINING, E., Skin and Venereal Diseases
KLEIN, P., Medical Microbiology
KLIEWE, H., Hygiene and Bacteriology
KLINGE, F., General Pathology and Pathological Anatomy
KOLLER, S., Medical Statistics
KORTING, G., Skin and Venereal Diseases
KÖTTGEN, H. U., Pediatrics
KRANZ, H., Psychiatry and Neurology
KÜMMERLE, F., Surgery
KUSCHINSKY, G., Pharmacology
LANG, K., Physiological Chemistry
LEICHER, H., Oto-Rhino-Laryngology
LOSSEN, H., Theory of Medical Radiation
NOVER, A., Ophthalmics
SCHÖLMERICH, P., Medicine
SCHRIEVER, H., Physiology
SCHÜRMANN, K., Neurosurgery
THEWS, G., Physiology
VOIT, K., Internal Medicine
WAGNER, K., Forensic Medicine
WATZKA, M., Histology

Faculty of Philosophy:
ALBRECHT, D., Modern History
BALLAUFF, T., Pedagogy
BECKER, A., Medieval History
BENZING, J., Islamic Philology and Folklore
BISCHOFF, K., German Philology and Folklore
BITTNER, K., Slavonic Studies
BROMMER, F., Classical Archæology
BUDDRUSS, G., Indology
ELWERT, T., Romance Philology
FEDERHOFER, H., History of Music
FLEMMING, W., German Philology and Theatre Science
FRAUENDIENST, W., Modern History
FUNKE, G., Philosophy
GALINSKY, H., English and American Studies
GERKE, F., History of Art, Early Christian and Byzantine Art
HABERLAND, E., Ethnology
HAHLAND, W., Classical Archæology
HILCKMAN, A., Comparative Cultural History
HOLZAMER, K., Philosophy, Psychology and Pedagogy
HUMBACH, H., Comparative Indo-Germanic Philology
INSTINSKY, H. U., Ancient History
JARNO, E., History of French Literature
KESSEL, E., Modern History
LORTZ, J., History of Western Religion
MARG, W., Classical Philology
MÖBUS, G., Political Science
NEUMANN, F., Slavonic Studies
PANZER, W., Geography
PETRY, L., History
REITZENSTEIN, E., Classical Philology
REQUADT, P., German Philology
RHODE, G., History
RINTELEN, F. J. VON, Philosophy, Psychology
RUPPEL, A., Bibliography
SCHEEL, H., Islamic Philology and Islamic Studies
SCHMID, J., Geography
SCHMITZ, A., Musicology and History of Music
SCHRAMM, E., Romance Philology
SCHRÖDER, W. J., German Philology
SCHULZE, F. W., English
SÜSS, W., Classical Philology
THIERFELDER, A., Classical Philology
USLAR, R., Pre- and Protohistory
WAGNER, K., German Philology and Folklore
WELLEK, A., Psychology
WENTZLAFF-EGGEBERT, F.-W., German Philology

Faculty of Natural Sciences:
ALBERS, H., Chemistry
BAIER, E., Mineralogy and Petrography
BECHERT, K., Theoretical Physics
BECKMANN, P., Nuclear Physics
BOCK, R., Chemistry
BÖRSCH-SUPAN, W., Mathematics
EHRENBERG, H., Physics and Nuclear Physics
EICKSTEDT, E., Freiherr VON, Anthropology
FALKE, H., Geology and Palæontology
FURCH, R., Mathematics
GEILMANN, W., Chemistry
HÖLDER, E., Mathematics
HORNER, L., Organic Chemistry and Biochemistry
JUNGE, C., Meteorology
KERN, W., Organic Chemistry
KLINGENBERG, W., Mathematics
KLUMB, H., Experimental Physics
KOLLATH, R., Experimental Physics
LAVEN, H., Genetics and General Biology
MISLIN, H., Zoology
PANZER, W., Geography
RISLER, H., Zoology and Morphology
ROCHELMEYER, H., Pharmacy
ROHRBACH, H., Mathematics
SCHLOSSMACHER, K., Mineralogy
SCHUBERT, G., Theoretical Physics
SCHULZ, G. V., Physical Chemistry
SCHWIDETZKY-ROESING, ILSE, Anthropology
STRASSMANN, F., Inorganic and Nuclear Chemistry
STUART, H. A., Physics
TILLMANN, H. G., Mathematics
TROLL, W., Botany and General Biology
WEBER, H., Botany and Pharmacognosy
WELLEK, A., Psychology

Foreign and Interpreters' Institute in Germersheim:
BRUMMER, R., Romance Languages and Literatures
JAEGER, P. L., English Language and Literature
JENSEN, H., English Language and Literature
JESCHKE, H., Romance Languages and Literatures
SCHOLZ, F., Russian Language and Literature

PHILIPPS-UNIVERSITÄT

MARBURG, BIEGENSTRASSE 10

Telephone: 731.

Founded 1527.

Rector: Prof. Dr. H. HENSEL.
Pro-Rector: Prof. D. A. NIEBERGALL.
Chief Administration Officer: Dr. jur. U. JUNG.

Number of teachers: 393, including 103 Ordinary Professors.
Number of students: 8,228.

DEANS:

Faculty of Theology: Prof. Dr. E. FUCHS.
Faculty of Law and Political Science: Prof. Dr. G. BAUMGÄRTEL.
Faculty of Medicine: Prof. Dr. H. HENSEL.
Faculty of Philosophy: Prof. Dr. H. OTTEN.
Faculty of Science: Prof. Dr. C. SCHOTT.

PROFESSORS:

Faculty of Theology:
BENZ, E., Church History and Dogmatics
DAMMAN, E., Philosophy of Religions
FUCHS, E., New Testament
GRASS, H., Systematic Theology and Social Ethics
KAISER, O., Old Testament
KAWERAU, P., History of the Eastern Church
KÜMMEL, W., New Testament

NIEBERGALL, A., Practical Theology
OPPEN, D. VON, Social Ethics
RATSCHOW, C.-H., Systematic Theology, History of Theology
WÜRTHWEIN, E., Old Testament

Faculty of Law and Political Science:
BAUMGÄRTEL, G., Civil Law
BRUNS, R., Civil Law, Economic Law
GÖRG, H., Public Law
HALL, K. A., Criminal Law and Procedure
HAMM, W., Economics
HAMPE, ASTA, Statistics
HENRICH, D., Civil Law
HENSEL, K. P., Political Economy
HOFFMANN, G., Public Law
HOPPMANN, E., Common Law
KIRSCH, W. M., Business Economics
PIRSON, D., Public Law
REINHARDT, R., German Civil, Commercial, and Industrial Law
SCHWARZ, F., Roman Law, German Public Law
SCHWINGE, E., Public Law, Criminal Law and Procedure
STING, K., Political Economy
WOLF, E., Civil Law, Industrial Law and Jurisprudence

Faculty of Medicine:
BERENDES, J., Oto-Rhino-Laryngology
BRAUN-FALCO, O., Dermatology
DU MESNIL DE ROCHEMONT, R., Medical Radiology
EHRHARDT, H., Legal and Social Psychiatry
EXNER, G., Orthopædics
GEDIGK, P., Pathology and Pathological Anatomy
HARTMANN, F., Internal Medicine
HENSEL, H., Physiology
HEUSER, H., Dentistry
JACOB, H., Neurology and Psychiatry
KARLSON, P., Physio-Chemistry
LINNEWEH, F., Pediatrics
MANN, G., History of Medicine
MARTINI, G. A., Internal Medicine
PETRY, G., Anatomy
ROHEN, J., Anatomy
SCHLEYER, F., Legal Medicine
SCHMID, W., Pharmacology
SCHWAIGER, M., Surgery
SIEGERT, R., Hygiene
STRAUB, W., Ophthalmology
STUTTE, H., Child Psychiatry
WENDT, G. G., Anthropology

Faculty of Philosophy:
ABENDROTH, W., Political Science
BEUMANN, H., Medieval History
BOG, J., Social and Economic History
BRÄUER, H., Slavic Philology
BUCK, A., Roman Philology
DEHN, W., Pre-history
DRERUP, H., Classical Archæology
FROESE, L., Pedagogy
HABICHT, C., Early History
HEILFURTH, G., German Philology and Folklore
HEISIG, K., Romance Philology
KLAFKI, W., Pedagogy
KLEIN, J., History of German Literature
KUNZ, J., History of German Literature
LAUER, W., Geography
MAUS, H., Sociology
MÜLLER, F., Classical Philology
OPPEL, H., English Philology
OTTEN, H., Oriental Philology
RAU, W., Indian Philology
REICH, K., Philosophy
SCHEIBERT, P., East European History
SCHLESINGER, W., Medieval History
SCHMIDT, H. A., Mathematics and Mathematical Logic
SCHMITT, L. E., Germanic and German Philology
SCHOTT, C., Geography
SCHRÖDER, W., German Philology
USENER, K. H., History of Art
WAGNER, F., Medieval and Modern History
WIELAND, W., Philosophy
WIMMEL, W., Classical Philology
WEISWEILER, J., Comparative Philology

Faculty of Science:
BÖHME, H., Pharmaceutical Chemistry
DIMROTH, K., Chemistry
DRAWERT, H., Botany
DÜKER, H., Psychology
HELLNER, E., Mineralogy
KOCKEL, C. W., Geology
KUHN, H., Physical Chemistry
LAUER, W., Geography
LUDWIG, G., Structure of Matter
MADELUNG, O., Theoretical Physics
MAHR, C., Chemistry
PETZOLD, J., Theoretical Physics
PEYERIMHOFF, A., Mathematics
RICHERT, H.-E., Mathematics
SEIDEL, F., Zoology
SCHMIDT, H. A., Mathematics and Mathematical Logic
SCHMIDT, M., Inorganic Chemistry
SCHOTT, C., Geography

LUDWIG-MAXIMILIANS-UNIVERSITÄT MÜNCHEN

GESCHWISTER SCHOLLPLATZ 1, MUNICH.

Telephone: 228661.

Founded 1472.

Rector: Prof. Dr. L. KOTTER.
Pro-Rector: Prof. Dr. jur. E. NEMEN.

Number of teachers: 954, including 184 Ordinary Professors.

Number of students: 15,213 men, 6,097 women, total 21,310.

DEANS:

Faculty of Theology: R. EGENTER.
Faculty of Law: Prof. Dr. H. SPANNER.
Faculty of Political Economy: R. NIESCHLAG.
Faculty of Medicine: Prof. Dr. O. JUNG.
Faculty of Veterinary Science: Prof. Dr. L. KOTTER.
Faculty of Philosophy: Prof. Dr. H. W. MÜLLER.
Faculty of Natural Sciences: Prof. Dr. H. MESSERMÜLLER.

PROFESSORS:

Faculty of Theology:
DÜRIG, W., Pastoral Theology and Liturgy
EGENTER, R., Moral Theology
FRIES, H., Fundamental Theology
HAMP, V., Old Testament Exegesis
KAMPMANN, T., Pedagogy and Catechetics
KEILBACH, W., Systematic Scholastic Philosophy
KUSS, O., New Testament Exegesis
MÖRSDORF, K., Church Law
PASCHER, J., Pastoral Theology, Homiletics, and Liturgy
SCHEUERMANN, A., Canon Law
SCHMAUS, M., Dogmatics
SCHMID, J., New Testament Exegesis
SCHWAIGER, G., Ecclesiastical and Art History; Archæology
TÜCHLE, H., Medieval and Modern Church History
WEINZIERL, K., History of Ecclesiastical Law
ZIEGLER, A. W., Ancient Church History, Patrology

Faculty of Law:
BERBER, F., Public Law
DIETZ, R., Labour, Civil and Industrial Law
ENGISCH, K., Criminal Law and Procedure, Jurisprudence
FERID, M., International Private Law
GERNER, F., Roman and Ancient Law, Public Law
GRUNDMANN, S., Public Law
KRAUSE, H., History of Law
KUNKEL, W., Roman and Civil Law
LARENZ, K., Civil Law and Philosophy of Law
MAUNZ, T., Public Law
MAURACH, R., Criminal Law and Procedure
PETSCHOW, H., History of Ancient Law
POHLE, R., Civil Procedure
SPANNER, H., Public Law
ULMER, E., Private International Law

Faculty of Political Economy:
ASSMANN, E., Forest Production
BACKMUND, F., Forestry Surveying
BECKMANN, LIESEL, Commercial Economics
FRANCIS, E., Sociology
GROSS, H., South-east European Economy and Society
HEINEN, E., Commercial Economics
HINTNER, O., Commercial Economics
HUBER, B., Plant Anatomy, Physiology and Pathology
JECHT, H., National Economy and Finance
KELLERER, H., Statistics
KOLLMANN, F., Wood Technology
KÖSTLER, J. N., Forestry
LAATSCH, W., Soil Science
LÜTGE, F., Economics and Economic History
MAHR, W., Political Economy
MAIER, H., Political Economy
MÖLLER, H., Political Economy
NIESCHLAG, R., Commercial Economics
PECHMANN, H. VON, Biology of Wood and Use of Forestry
PFISTER, B., National Economy and Finance
PREISER, E., Economic and Social Sciences
RAUPACH, H., Eastern European Economy and Society
ROHMEDER, E., Genetics and Cultivation of Trees
SCHERPF, P., Economics
SPEER, J., Forest Economics
THIEL, E., Economic Geography
VOEGELIN, E., Political Science
ZWÖLFER, W., Applied Zoology

Faculty of Medicine:
BACHMANN, R., Anatomy
BICKENBACH, W., Obstetrics and Gynæcology
BODECHTEL, G., Internal Medicine
BRAUNBEHRENS, H. VON, Physiotherapy, Radiology
BÜNGELER, W., Pathology
BUTENANDT, A., Physio-chemistry
EYER, H., Bacteriology
FIKENTSCHER, R., Gynæcology and Obstetrics
HEISS, J., Dentistry
HERRMAN, A., Oto-Rhino-Laryngology
HOLLE, F., Special Surgery
KIESE, M., Pharmacology and Toxicology
KOLLE, K., Psychiatry and Neurology
LANGE, M., Orthopædics
LANZ, T. VON, Anatomy
LAVES, W., Forensic Medicine

Leibbrand, W., History of Medicine
Marchionini, A., Dermatology and Syphilology
Rohrschneider, W., Ophthalmology
Schwiegk, H., Internal Medicine
Seitz, W., Internal Medicine
Weber, G., Pediatrics
Wiskott, A., Pediatrics
Zenker, R., Surgery

Faculty of Veterinary Science:
Baier, W., Obstetrics and Gynæcology
Bauer, H., Animal Breeding
Brüggemann, J., Physiology
Grau, H., Anatomy and Histology
Kotter, L., Food
Liebmann, H., Zoology, Marine Biology, Parasitology
Sedlmeier, H., General Pathology and Pathological Anatomy
Ullrich, K., Internal Veterinary Medicine
Westhues, M., Surgery and Ophthalmology
Zipf, K., Pharmacology, Toxicology and Pharmacy

Faculty of Philosophy:
Acht, P., Auxiliary Historical Sciences
Baumann, H., Ethnology
Beck, H. G., Byzantine and Modern Greek Philology
Betz, W., German Philology
Bischoff, B., Medieval Latin Philology
Bosl, K., Bavarian History
Britzelmayr, W., Logistics
Clemen, W., English Philology
Egermann, F., Classical Philology
Franke, H., Civilisation and Languages of East Asia
Friedmann, F. G., History of North American Culture
Fritz, K. von, Classical Philology
Georgiades, T., Music
Grassi, E., Philosophy of Humanism
Guardini, R., Philosophy of Religion
Hammitzsch, H., Japanology
Hoffmann, H., Indology and Iranian Studies
Homann-Wedeking, Classical Archæology
Kissling, H. J., Oriental History
Koschmieder, E., Slavonic and Baltic Philology
Kuhn, H., History of American Civilisation
Kuhn, Hugo, German Philology
Kunisch, H., History of Modern German Literature
Lersch, P., Psychology and Philosophy
Müller, H. W., Egyptology
Müller, M., Philosophy
Rheinfelder, H., Romance Philology
Roegel, O. B., Journalism
Schmaus, A., Slavonic Philology
Schnabel, F., History
Sedlmayr, H., Medieval and Modern Art History
Sekommodau, H., Romance Philology
Spitaler, A., Semitic Philology
Spörl, J., History
Stadtmüller, G., Eastern European History
Stegmüller, W., Philosophy
Werner, J., Pre- and Early History
Wissmann, W., General and Indo-Germanic Linguistics
Wölcken, F., English Philology

Faculty of Natural Sciences:
Angenheister, G., Geophysics
Autrum, H., Zoology and Comparative Anatomy
Bamann, E., Pharmaceutical and Food Chemistry
Bopp, F., Theoretical Physics
Brauner, L., Botany
Dehm, R., Palæontology and Historical Geology
Faessler, A., Experimental Physics
Fischer, E. O., Inorganic Chemistry
Gerlach, W., Experimental Physics
Heinz, E., Applied Mathematics
Hörhammer, L., Pharmacology
Huisgen, R., Organic Chemistry
Kaestner, A., Special Zoology
Kneser, M., Mathematics
Koecher, M., Mathematics
Louis, H., Geography
Lynen, F., Chemistry
Maucher, A., General and Applied Geology and Mineralogy
Menzer, G., Crystallography and Mineralogy
Messsermüller, H., Botany
Möller, F., Meteorology
Richter, H., Mathematical Statistics
Rollwagen, W., Experimental Physics
Saller, K., Anthropology
Schlüter, A., Theoretical Physics
Schmidt, R., Mathematics
Schober, H., Medical Optics
Schwab, G.-M., Physical Chemistry
Stein, K., Mathematics
Wellmann, P., Astronomy
Wiberg, E., Inorganic Chemistry

Attached Institute:

Institut für Zeitungswissenschaft: (*Institute for Press Research*): Dir. Prof. Dr. O. B. Roegele.

WESTFÄLISCHE WILHELMS-UNIVERSITÄT MÜNSTER

MÜNSTER, SCHLOSSPLATZ 2

Telephone: 4901.

Founded 1780.

Rector: Prof. Dr. F. Klein.
Pro-Rector: Prof. Dr. H.-D. Wendland.
Librarian: Dr. G. Liebers.

Number of teachers: 599, including 175 Ordinary Professors.

Number of students (1965): 11,640 men, 4,028 women, total 15,668.

Deans:

Faculty of Evangelical Theology: Prof. D. Kittel.
Faculty of Catholic Theology: Prof. Dr. Eisling.
Faculty of Law and Political Science: Prof. Dr. Brox.
Faculty of Medicine: Prof. Dr. Pfefferkorn.
Faculty of Philosophy: Prof. Dr. P. Hartmann.
Faculty of Mathematics and Natural Sciences: Prof. Dr. Franz.

Professors:

Faculty of Evangelical Theology:
Aland, K., Ecclesiastical History
Förster, W., New Testament
Hesse, F., Old Testament Theology and Exegesis
Jacobs, P., Reformed Theology
Kinder, E., Dogma and History of Theology
Kittel, H., Religious Pedagogy
Marxsen, W., New Testament Exegesis and Theology
Rengstorf, K. H., New Testament Theology and Exegesis
Schütz, W., Practical Theology
Smend, R., Old Testament Theology
Steck, K. G., Systematic Theology
Stupperich, R., Ecclesiastical History
Wendland, H.-D., Christian Social Sciences

Faculty of Catholic Theology:
Antweiler, A., General Religious Studies
Eisling, H., Old Testament Exegesis
Filthaut, T., Pastoral Theology
Glazik, J. P., Missionary Sciences
Gnilka, J., New Testament Exegesis
Hegel, E., Medieval and Modern Church History
Heinen, W., Moral Theology
Iserloh, E., Ecumenical Theology
Kasper, W. J., Dogmatics
Kessler, P. J., Church Law
Kötting, B., Ancient Church History
Lengeling, E., Science of Liturgy
Metz, J. B., Fundamental Theology
Pieper, J., Philosophical Anthropology
Ratzinger, J., Dogmatics
Remmers, J. G., History and Theology of the Eastern Churches
Schreiner, J., Contemporary History of the Bible
Weber, W., Christian Social Science

Faculty of Law and Political Science:
Boettcher, E., Economics and Social Policy
Brox, H., Civil and Industrial Law
Claessens, D., Sociology
Deutsch, P., Business Economics
Fikentscher, W., Civil Law, International Law
Gmür, R., History of German Law, Civil Law
Gülicher, H., Statistics and Econometrics
Hartmann, H., Sociology
Hoffmann, W., Political Economy
Kiefner, H., Civil Law, Public and Church Law
Klein, F., National and International Law
Koch, H., Business Economics
Leffson, U., Business Economics
Lenckner, T., Penal Law and Procedure
Lukes, R., German Public Law, Commercial Law and Civil Law
Mestmäcker, E.-J., Civil and Commercial Law
Mülhaupt, R., Business Economics
Nörr, D., Roman and Civil Law
Pack, L., Business Economics
Pfeffer, K. H., Sociology of the Underdeveloped Countries
Reinicke, D., Civil Law, Commercial and Civil Procedure
Schelsky, H., Sociology
Schneider, K., Economics
Scupin, H.-U., Public Law, Philosophy of Law
Seidenfuss, H., Economics
Stree, W., Penal Law and Procedure
Timm, H., Economics
Uber, G., Public Law
Wessels, J., Penal Law and Procedure
Westermann, H., Civil Law and Procedure
Wolff, H. J., Public Law, Jurisprudence

Faculty of Medicine:
Caspers, H., Neurophysiology
Dittrich, W., Biology of X-Ray
Giese, W., Pathology and Pathological Anatomy
Goecke, H., Gynæcology and Obstetrics
Hauss, W., Internal Medicine
Hepp, O., Orthopædics
Hollwick, F., Ophthalmology
Issel, P., Dentistry

JORDAN, P., Dermatology and Venerology
LEHNARTZ, E., Physiological Chemistry
LENZ, W., Pediatrics and Genetics
LOESER, A., Pharmacology and Toxicology
LOSSE, H., Internal Medicine
MAI, H., Pediatrics
MAUZ, F., Psychiatry and Neurology
MÜNDNICH, K., Treatment of the Nose, Ear and Throat
PFEFFERKORN, G., Medical Electron-microscopy
PONSOLD, A., Forensic Medicine
REPLOH, H., Hygiene and Bacteriology
ROLLHÄUSER, H., Anatomy
ROTHSCHUH, Medical History
SCHÜTZ, E., Physiology
SUNDER-PLASSMANN, P., Surgery
WANNENMACHER, E., Dentistry

Faculty for Clinical Studies at Essen:
ARNOLD, O.-H., Internal Medicine
BRETTSCHNEIDER, H., Anatomy
GOETZ, H., Dermatology and Venerology
HERRMANN, W., Medical Microbiology
KLOSTERKÖTTER, W., Hygiene
KREMER, K., Surgery
KÜSTER, F., Pediatrics
KOCH, J., Treatment of the Nose, Ear and Throat
MEYER-SCHWICKERATH, G., Opthalmology
MÜLLER, W., Pathology
NORDMEYER, K., Gynæcology and Obstetrics
SCHERER, E., Radiotherapy
SCHMIDT, C. G., Internal Medicine
SCHÜMANN, H.-J., Pharmacology and Toxicology

Faculty of Philosophy:
BRINKMANN, H., Medieval Latin Poetry
DICKENMANN, E., Slavonic Language and Literature
DITTRICH, MARIE-LUISE, Medieval German Philology
DÖPP-VORWALD, H., Pedagogy
DÖRRIE, H., Classical Philology
ESCHMANN, E. W., Philosophy of Civilisation
FABIAN, B., English Philosophy
FOERSTE, W., Low German Philology and Folklore
GOLLWITZER, H., Modern Political and Social History
GRIMM, T., Sinology
HACKER, P., Indology
HAGER, W., History of Art
HARTMANN, P., General and Comparative Philology
HAUCK, K., Medieval History
HELLMANN, M., East European History
HILTBRUNNER, O., Classical Philology
HOFMANN, D., German Philology
KAULBACH, F., Philosophy
KORTE, W., Musicology
LAUSBERG, H., Romance Philology
LICHTENSTEIN, E., Pedagogy
MERTNER, E., English Philology
METTMANN, W., Roman Philology
METZGER, W., Psychology
MOST, O., Philosophy
OHLY, F., German Philology
OTT, K. A., Romance Philology
PRAKKE, H. J., Journalism
PREISENDANZ, W., History of Modern German Literature
RASCH, W., German Philology
RAUMER, K. VON, Medieval and Modern History
RITTER, G. A., Modern History
RITTER, J., Philosophy
SCHARF, J., Byzantine History, Language and Literature
SCHIER, B., German and Comparative Folklore
SCHMIDT, K. H., Indo-European Linguistics
SCHNEIDER, K., English Philology
SCHOTT, R., Etymology
SICHERL, M., Classical Philology
SODEN, W. VON, Ancient Semitic Philology and Ancient Oriental History
SPEVACK, M., English History
STADE, K., Ancient History
STEINER, J., Modern German Literature
STIEHL, RUTH, Ancient History
STIER, H.-E., Ancient History
STOOB, H., History of Westphalia
TACKENBERG, K., Pre-History and Ancient History
TRÄNKLE, H., Classical Philology
WEGNER, M., Archæology
WEHR, H., Oriental Studies
WEYDT, G., Modern German Literature
WITTE, W., Psychology
WOLF, W., Egyptology

Faculty of Mathematics and Natural Sciences:
ACKER, L., Food Chemistry
BAUMEISTER, W., Applied Botany
BEHNKE, H., Mathematics
BIER, K.-H., Zoology
BITTEL, H., Applied Physics
BLÜTHGEN, J., Geography
BROCKAMP, B., Geophysics
ENGELS, B., Applied Geology
FRANZ, W., Theoretical Physics
HARDER, H., Petrology
HERMES, J., Mathematical Logic and Fundamentals
HERTZ, G., Physical Chemistry
HEUMANN, T., Metallography
HOPPE, R., Inorganic Chemistry
HÖLDER, H., Palæontology
HUSTER, E., Nuclear Physics
KAPPLER, E., Experimental Physics
KAUFFMANN, T., Special Studies in Organic Chemistry
KRISEMENT, O., Theoretical Physics of Metals
LOTZE, F., Geology and Palæontology
MICHEEL, F., Chemistry
MÜLLER-WILLE, W., Geography
PETERSSON, H., Mathematics
RENSCH, B., Zoology
REZNIK, H., Botany
SCHÄFER, H., Inorganic-Analytical Chemistry
SCHRATZ, E., Pharmaceutical Botany
SCHULTE, K. E., Pharmacy
STRASSL, H., Astronomy
THOMA, E., Mathematics
ULM, H., Pure and Applied Mathematics
UMLAND, F., Inorganic Chemistry
WERNER, H., Numerical Mathematics
WICKE, E., Physical Chemistry
WITTING, H., Mathematical Statistics
ZINNER, G., Pharmaceutical Chemistry

UNIVERSITÄT DES SAARLANDES

SAARBRÜCKEN 15

Telephone: 21351.

Founded by the Government of the Saar, 1948.

Rector: Prof. Dr. phil. H. KRINGS.
Pro-Rector: Prof. Dr. phil. C. VON FRAGSTEIN.
Administrator: Dr. jur. F. LETZELTER.
Librarian: Prof. Dr. phil. H. CORDES.

Number of teachers: 462, including 124 Ordinary and Extraordinary Professors.

Number of students: 6,840.

Publications *Annales Universitätis saraviensis* (quarterly): 4 edns., *Rechts- und Wirtschaftswissenschaften, Philosophie, Medizin, Scientia.*

DEANS:

Faculty of Law and Economics: Prof. Dr. rer. pol. W. STÜTZEL.
Faculty of Medicine (at Hamburg): Prof. Dr. Med. F. NÖDL.
Faculty of Philosophy: Prof. Dr. phil. H. GÄTJE.
Faculty of Natural Sciences: Prof. Dr.-Ing. F. SEEL.

PROFESSORS:

Faculty of Law and Economics:
AUBIN, B., German and Comparative Civil Law
BRAGA, S., International Private Law and Civil Law
BRECHER, F., Civil Law
CONSTANTINESCO, L., Juridical Science
FROMONT, M., French Public Law
GECK, W. K., Constitutional Law, Foreign Public Law, International Law
GIERSCH, H., Economics
GOERGEN, J., State Church Law and Canon Law
GÜMBEL, R., Industrial Economy
HAX, H., Industrial Economics
JAHR, G., Roman and Civil Law, International Private Law, Comparative Law
KAUFMANN, A., Penal Law and Procedure, Philosophy of Law
KIELWEIN, G., German and Foreign Criminal Law, Criminal Procedure and Criminology
KILGER, W., Industrial Economics
KROCKOW, C. VON, Political Science
LIEFMANN-KIEL, ELISABETH, Economics
LÜKE, G., Procedural Law
MAIHOFER, W., Philosophy of Law, Penal Law and Criminal Law
MENGES, G., Statistics and Econometrics
RICHTER, R., National Economy, with special reference to Economic Theory
SCHNEEWEISS, H., Statistics, Econometrics
SENF, P., Economics and Finance
SOHMEN, E., Economic Science
STÜTZEL, W., Industrial Economics and Banking
WEGENER, W., German and Comparative Legal History, Social Law
WEHRHAHN, H., Constitutional and Administrative Law
WÖHE, G., Industrial Economics, especially Taxation
WOLANY, J., Civil Law
ZACHER, H., State, Government and Church Law

Faculty of Medicine:
ALKEN, C.-E., Urology
AMMON, R., Physiological Chemistry
DOENECKE, F., Internal Medicine
FALK, P., Oto-Rhino-Laryngology
HAUNFELDER, D., Teeth, Mouth and Jaw Therapeutics
HUTSCHENREUTER, K., Anaesthesiology
KREIBIG, W., Ophthalmology
KULENKAMPFF, H., Anatomy
LIMBURG, H., Obstetrics and Gynæcology
LOEW, F., Neurosurgery
LÜDEKE, H., Surgery
MAYER, J. B., Children's Diseases
MEYER, H.-H., Psychiatry and Neurology
MITTELMEIER, H., Orthopædics
MUTH, H., Biophysics
NÖDL, F., Dermatology

Passow, H., Physiology
Rolshoven, E., Anatomy
Rotter, W., Pathological Anatomy
Rummel, W., Pharmacology and Toxicology
Sommer, F., Medical Radiology
Stämpfli, R., Physiology
Symanski, H.-J., Labour Medicine
Witter, H., Forensic Psychiatry
Wolff, H. P., Internal Medicine
Zimmermann, W., Hygiene and Microbiology

Faculty of Philosophy:
Aitzetmüller-Sadnik, Linda, Slavonic Studies
Baader, H., Romantic Philology and Literature
Bauer, R., Literature
Boesch, E., Psychology
Brandenstein, B. von, Philosophy
Buisson, L., Medieval History
Digeon, C., Modern French Literature
Dolch, J., Pedagogy
Eggers, H., Germanic and German Philology
Ennen, Edith, History of Economics
Erzgräber, W., English Philology
Finkenstaedt, T., English Philology, with special reference to Language and Early Literature
Gätje, H., Eastern Studies
Hachmann, R., Prehistory
Himmelmann-Wildschütz, N., Classical Archæology
Itschert, H., American Studies
Kaiser, G. German Philology and Literature
Krings, H., Philosophy
Langen, A., Modern German Studies
Lutz, H., Modern History
Mayrhofer, M., Comparative Philology
Rassem, M., Comparative European Culture and Sociology
Rathjens, C., Geography
Repgen, K., Modern History
Scheel, H. L., Romantic Philology and Literature
Schmithüsen, J., Geography
Schmitthemmer, W., Ancient History
Schmoll gen. Eisenwerth, J. A., History of Art
Schröter, R., Classical Philology
Siebel, W., Sociology
Stark, R., Classical Philology
Wiora, W., Musicology

Faculty of Natural Sciences:
Ashworth, M., Analytical Chemistry
Bielig, H.-J., Biochemistry
Blasius, E., Inorganic Analytical Chemistry
Dawihl, W., Materials Technology
Dörr, J., Applied Mathematics
Eckart, G., Electrotechnics
Eistert, B., Organic Chemistry
Firtion, F., Geology
Fischer, K., Crystallography
Fragstein, C. von, Experimental Physics
König, H., Mathematics
Lamprecht, E., Mathematics
de Lattin, G., Zoology
Maue, A.-W., Physics
Puppe, D., Mathematics
Rost, F., Mineralogy
Schmahl, N. G., Physical Chemistry
Seel, F., Inorganic Chemistry
Seemann, H., Physics of Metals and Metallurgy
Söhngen, H., Mathematics
Stahl, E., Pharmacognosy
Wegner, U., Technical Mechanics
Wulff, H. D., Botany

Institute of European Studies:
Constantinesco, L., Dr. en Droit

Interpreters' Institute:
(Vacant)

Institute of Physical Education:
Hanebuth, O., Dr. Phil.

Institute of Vocational Studies:
Weber, A., Dr. phil.

EBERHARD-KARLS-UNIVERSITÄT

TÜBINGEN

Telephone: 711.

Founded 1477.

Rector: Prof. Dr. H. Diem.
Pro-Rector: Prof. Dr. W. V. Engelhardt.

Number of teachers: 475, including 140 Ordinary Professors.

Number of students: 7,712 men, 3,261 women, total 10,973.

DEANS:

Faculty of Evangelical Theology: Prof. Dr. E. Steinbach.
Faculty of Catholic Theology: Prof. Dr. H. King.
Faculty of Law and Political Economy: Prof. Dr. N. Kloten.
Faculty of Medicine: Prof. Dr. H. Harms.
Faculty of Philosophy: Prof. Dr. K. Ziegler.
Faculty of Mathematics and Natural Sciences: Prof. Dr. P. Roquette.

PROFESSORS:

Faculty of Evangelical Theology:
Diem, H., Systematic Theology
Elliger, K., Old Testament
Eltester, W., Church History
Galling, K., Biblical Archæology
Gese, H., Old Testament
Jetter, W., Practical Theology
Käsemann, E., New Testament
Köberle, A., Systematic Theology
Lang, F., New Testament
Michel, O., New Testament
Rosenkranz, G., Missionary Science
Rückert, H., Church History
Steinbach, E., Philosophy of Religion and Social Ethics
Uhsadel, W., Practical Theology

Faculty of Catholic Theology:
Arnold, F., Pastoral Theology
Fink, K. A., Church History and Christian Archæology
Haag, H., Old Testament Theology
Kueng, H., Dogmatic and Ecumenical Theology
Möller, J., Scholastic Philosophy
Scheffczyk, L., Dogmatics
Schelkle, K. H., New Testament Theology
Stelzenberger, J., Moral Theology

Faculty of Law and Political Economy:

Department of Law
Bachof, O., Public Law
Baumann, J., Penal Law and Criminal Law
Baur, F., Civil Law and Law of Procedure
Dürig, G., Public Law
Elsener, F., German Law and Church Law
Erbe, W., Roman and Civil Law
Eschenburg, T., Political Science
Esser, J., Civil Law, Law of Procedure, Philosophy of Law, Comparative and Insurance Law
Fechner, E., Philosophy of Law, Commercial and Industrial Law
Gernhuber, J., History of German Law, Civil Law, Commercial Law
Göppinger, H., Criminology
Heckel, M., Public and Canon Law
Peters, K., Penal Law
Raiser, L., Civil Law, Commercial Law
Schröder, H., Criminal Law
Schüle, A., Public Law
Steindorff, E., Civil Law, Industrial Law, International Private Law

Department of Political Economy
Arndt, E., Economics
Born, E. K., Economic and Social History
Brandt, K., Political Economy
Dahrendorf, R., Sociology
Johns, R., Industrial Economics
Kloten, N., Economics
Koch, W., Economics
Oh, A., Economics
Pohmer, D., Industrial Economics
Strecker, H., Statistics

Faculty of Medicine:
Bader, R. E., Hygiene
Bauer, R., Medical Radiology
Betke, K., Children's Diseases
Bock, H.-E., Internal Medicine
Brecht, K., Physiology
Brunn, W., History of Medicine
Dick, W. von, Surgery
Fischer, L., Tropical Medicine
Fröhlich, E., Orthodontics
Gieseler, W., Anthropology
Graumann, W., Anatomy
Harms, H., Ophthalmology
Lembeck, F., Pharmacology
Man, J., Orthopædics
Roemer, H., Gynæcology and Obstetrics
Schmidt, G., Preventive Medicine
Schneider, W., Dermatology
Schulte, W., Psychiatry and Neurology
Schwarz, M., Oto-Rhino-Laryngology
Weitzel, G., Physiological Chemistry

Faculty of Philosophy:
Aitzetmüller, R., Slavonic Philology
Barthel, T., Folklore
Bausinger, H., German Folklore
Beissner, F., German Philology
Bengtson, H., Ancient History
Bollnow, O. F., Philosophy
Brinkmann, R., Modern German Studies
Brunner, H., Egyptology
Coseriu, E., Romance Philology
Dahrendorf, R., Sociology
Decker-Hauff, H.-M., Regional History and Historical Auxiliary Sciences
Engel, J., Medieval and Modern History
Eschenburg, T., Political Science
Fischer, H., German Philology
Flitner, A., Pedagogics
Fuhrmann, H., Medieval History
Gerstenberg, W., Music
Halbach, K. H., German Philology
Hausmann, U., Classical Archæology
Hommel, H., Classical Philology
Kimmig, W., Pre-history and Ancient History
Krahe, H., Comparative Languages and Slavonic Studies
Lang, H.-J., American Language
Löwe, H., Medieval and Modern History
Marchand, H., English Philosophy
Mohr, W., German Philology
Mühle, G., Pedagogics
Müller, L., Slavonics
Müller-Schwefe, G., English Philology
Paret, R., Semitic and Islamic Studies
Schadewaldt, W., Classical Philology
Schrade, H., History of Art
Schröder, K.-H., Geography

SCHUBEL, F., English Philology
SCHULZ, G., Contemporary History
SCHULZ, W., Philosophy
SCHWALM, H., Geography of Eastern Europe
STROHEKER, K. F., Ancient History
THIEME, P., Indology, Comparative Religion
ULMER, K., Philosophy
WAIS, K., Comparative Literature
WANDRUSZKA VON WANSTETTEN, M., Romance Philology
WILHELM, J., Romance Philology
WILHELMY, H., Geography
ZEEDEN, E.-W., Medieval and Modern History
ZIEGLER, K., German Language and Literature
ZINN, E., Classical Philology

Faculty of Mathematics and Natura Sciences:
ANTERHOFF, H., Pharmaceutical Chemistry
BLUME, H., Physical Geography
BRAUNBEK, W., Theoretical Physics
BÜNNING, E., Botany
ENGELHARDT, W. VON, Mineralogy
GIESELER, W., Anthropology
GRELL, K. G., Zoology
GROSS, W., Vertebrate Palæontology
KNESER, H., Mathematics
KORTÜM, G., Physical Chemistry
KRÜGER, H., Experimental Physics
MÄGDEFRAU, K., Botany
METZNER, H., Chemical Plant Physiology
MÖHRES, F. P., Zoology
MÖLLENSTEDT, G., Experimental and Applied Physics
MÜLLER, E., Applied Chemistry
MÜLLER, M., Mathematics
ROQUETTE, P., Mathematics
RÜDORFF, W., Inorganic Chemistry
SCHAEFER, H., Statistics
SCHINDEWOLF, O., Geology and Palæontology
SCHONENBERG, R., General and Applied Geology
WEITZEL, G., Physiological Chemistry
WIELANDT, H., Mathematics
WILDERMUTH, K., Theoretical Atomic Physics
WILHELMY, H., Geography
ZELLER, K., Mathematics

AFFILIATED INSTITUTE:

Institut für Osteuropäische Geschichte und Landeskunde: Wilhelmstr. 36; f. 1951; Prof. Dr. W. MARKERT; publs. *Osteuropa-Handbuch: Jugoslawien* (1954), *Polen* (1959).

JULIUS-MAXIMILIANS-UNIVERSITÄT

WÜRZBURG, SANDERRING 2

Telephone: 311.

Founded 1582.

Rector Magnificus: Prof. Dr. W. ARNOLD.

Pro-Rector: Prof. Dr. E. WOLLHEIM.

Director of Administration: Prof. Dr. W. SIMONIS.

Number of teachers: 355, including 90 Ordinary Professors.

Number of students (June 1965): 5,493 men, 1,640 women, total 7,133.

DEANS:

Faculty of Theology: Prof. Dr. J. REUSS.
Faculty of Law and Political Science: Prof. Dr. W. SCHAUMANN.
Faculty of Medicine: Prof. Dr. R. NAUJOKS.
Faculty of Philosophy: Prof. Dr. O. MEYER.
Faculty of Natural Sciences: Prof. Dr. S. MATTHES.

PROFESSORS:

Faculty of Theology:
AUER, A., Moral Theology
BIEDERMANN, H., Eastern Christianity
FLECKENSTEIN, H., Pastoral Theology
FREUDENBERGER, T., Patrology and Pastoral Theology
HASENFUSS, J., Apologetics and Comparative Religion
HOFMANN, F., Dogmatics
PFEILSCHIFTER, G., Ecclesiastical History, History of Christian Dogma, and Archæology
REUSS, J., Introduction to Biblical Studies
RÖSSER, E., Church Law
SCHNACKENBURG, R., New Testament Exegesis
WENDLHORST, A., Ecclesiastical History of Franconia
ZIEGLER, J., Old Testament Exegesis and Biblical Oriental Languages

Faculty of Law and Political Science:
BERNEKER, E., Civil and Roman Law
CARELL, E., Economics, Finance, Statistics
GROTTIAN, W., Political Science
HABSCHEID, W., Civil and Process Law
HEYDTE, F. A. V.D., German and Bavarian State and Administrative Law, Political Science
KÜCHENHOFF, G., Jurisprudence, Administrative and Constitutional Law
LANGE, H., Civil Law and Procedure
LAUFKE, F., Civil and Commercial Law
LORENZ, W., Comparative Law, Civil Law and Procedure
MEYER, C. W., Industrial Management
NOWAK, P., Business Management
OHM, H., Political Economy
PAULICK, H., Financial, Economic and Social Law
RASCHOFER, H., International Law, Law of National Minorities
RUCHTI, H., Business Management
SAX, W., Criminal Law and Procedure, Philosophy of Law
SCHAUMANN, W., Public Law
SCHNEIDER, F. P., Economics, Finance, Statistics
SPENDEL, G., Criminal Law and Procedure
UHLMANN, W., Statistics
(Vacant—Economics II, Sociology)

Faculty of Medicine:
ALTMANN, H. W., Pathology and Pathological Anatomy
BAUEREISEN, E., Physiology
BRAMSTEDT, F., Dentistry
FRANKE, H., Medical Polyclinic
GEBSATTEL, V. E., Psychotherapy and Medical Psychology
GERLACH, J., Neurosurgery
HENSCHLER, D., Pharmacology and Toxicology
LEYDHECKER, W., Ophthalmology
MAUROR, W., Radiotherapy
NAUJOKS, R., Dentistry
NEUBERT, K., Anatomy
RÖCKL, H., Dermatosis, Venereal Disease
RÜTT, A., Orthopædics
SCHALTENBRAND, G., Neurology
SCHELLER, H., Psychiatry and Neurology
SCHIEBLER, T., Anatomy
SCHRÖDER, F., Dental Surgery
SCHWALM, H., Gynæcology and Obstetrics
SCHWERD, W., Social Medicine
SEELIGER, H., Hygiene, Murrobiology
STRÖDER, J., Pediatrics
TURBA, F., Biochemistry
WACHSMUTH, W., Surgery
WERKOR, E., Virus Research
WOLLHEIM, E., Internal Medicine
WULLSTEIN, H., Oto-Rhino-Laryngology
(Vacant—Psychotherapy and Medical Psychology)

Faculty of Philosophy:
ALLEMANN, B., Modern Literature
ARNOLD, W., Psychology
BACH, ANNELIESE, History of Modern German Literature
BERLINGER, R., Philosophy and Pedagogy
DÜNNINGER, J., Folklore and German Philology
EILERS, W., Oriental Philology
GOEZ, W., History, especially Medieval
GÜNGERICH, R., Classical Philology
HASELOFF, G., Pre- and Early History
HOLTHUSEN, J., Slavonic Studies
KRONASSER, H., Comparative Philology
LÜDDECKENS, E., Egyptology
MEYER, O., Medieval and Regional History, Historical Auxiliary Sciences
MORITZ, BERTA, English Philology
RAUHUT, F., Romance Philology
REBLE, A., Pedagogy
REICHERT, G., Musicology
ROMBACH, H., Philosophy
RUH, K., German Philology
SIEBENHÜNER, H., Medieval and Modern History
SIEGMANN, E., Classical Philology
SIMON, ERIKA, Classical Archæology
STEINIGER, H., Far Eastern Philology
STOROST, J., Romance Philology
TIMPE, D., Ancient History

Faculty of Natural Sciences:
BARTHEL, W., Mathematics
BRIEGLEB, G., Physical Chemistry
BRIESKORN C. H., Pharmacy and Food Technology
BÜDEL, J., Geography
GÖSSWALD, K., Zoology
GRUNSKY, H., Mathematics
HINK, W., Experimental Physics
HÜNIG, S., Chemistry
JÄGER, H., Cultural and Economic Geography
KNETSCH, G., Geology
KRAUSE, G., Zoology and Comparative Anatomy
MATTHES, S., Mineralogy
ROEDIG, A., Chemistry
SCHEER, M., Experimental Physics
SCHMIDT, H., Mathematics and Astronomy
SDZUY, K., Palæontology
SIMONIS, W., Botany
SOMMER, F., Mathematics
STEINWEDEL, H., Theoretical Physics
STROHMEIER, W., Physical Chemistry
VOLK, O., Botany
(Vacant—Chemistry; Zoology and Comparative Anatomy)

Plans are well advanced for the establishment of universities at Bremen, Konstanz and Regensburg.

TECHNICAL UNIVERSITIES

The Technische Hochschulen provide facilities comparable with those of a university, but specialise in technical subjects. They grant degrees and diplomas.

RHEINISCH-WESTFÄLISCHE TECHNISCHE HOCHSCHULE

AACHEN, TEMPLERGRABEN 55

Telephone: 4221.

Founded 1870.

Rector: Prof. E. Kühn.

Pro-Rector: Prof. Dr.-Ing. V. Aschoff.

Chancellor: Prof. F. Stenbock-Fermor.

Library: 220,000 volumes.

Director: Dr. phil G. Lohse.

Number of teachers: 360, including 131 Professors.

Number of students: 9,905.

Deans:

Faculty of Mathematics and Natural Science: Prof. Dr. C. Kröger.

Faculty of Architecture and Civil Engineering: Prof. Dr.-Ing. P. Stein.

Faculty of Mechanical Engineering: Prof. Dr.-Ing. W. Meyer zur Capellen.

Faculty of Mining and Metallurgy: Prof. Dr.-Ing. B. Sann.

Faculty of Electrical Engineering: Prof. Dr.-Ing. W. Janovsky.

Faculty of Philosophy: Prof. Dr. H. M. Klinkenberg.

Professors:

Faculty of Mathematics and Natural Science:

Department of Mathematics and Physics:

Butzer, P. L., Mathematics
Cremer, H., Mathematics
Deutschmann, M., Physics
Faissner, H., Applied Physics
Fucks, W., Experimental Physics
Heiland, G., Experimental Physics
Heinz, C., Mechanics
Leibfried, G., Theory of Physics
Meixner, J., Theory of Physics
Müller, C., Mathematics
Reutter, F., Mathematics
Schlögl, F., Theoretical Physics
Schöneborn, H., Mathematics
Schultz-Grunow, Mechanics, Theory of Structures
(Vacant—Mechanics, Technical Mechanics, Physical Basis of Reactor Materials)

Department of Chemistry:

Aach, H.-G., Botany
Asinger, F., Chemical Technology
Franck, U. F., Physical Chemistry
Haase, R., Physical Chemistry
Kröger, C., Fuel Chemistry
Schmeisser, M., Inorganic Chemistry
Stetter, H., Organic Chemistry
Stieve, H., Zoology
Zahn, H., Textile Chemistry
(Vacant—Inorganic and Analytical Chemistry)

Faculty of Architecture and Civil Engineering:

Department of Architecture:

Berke, H., Free-hand Drawing, Water-colour Painting
Bohm, G., Design and Craftsmanship
Eller, J., Industrial Building Design
Grotkamp, A., Theory of Structures for Architects
Hillebrand, E., Sculpture
Jaenecke, F., Domestic Architecture
Kühn, E., Town and Country Planning
Schachner, B., Agricultural Architecture
Steinbach, R., Building Construction
Weyres, W., History of Architecture, Preservation of Ancient Monuments
(Vacant—Garden and Landscape Planning, History of Art)

Department of Structural and Civil Engineering:

Borkenstein, W., Hydrology, Hydraulics, Water Supplies
Domke, H., Building Construction
Hirschfeld, K., Civil Engineering Structures, Concrete
Jurecka, W., Building Machines and Building Organisation
Leins, W., Roads and Tunnel Construction
Löschner, F., Geodesy
Nebelung, H., Transport and Railway Engineering
Schultze, E., Hydraulic Engineering, Foundation and Soil Mechanics
Stein, P., Civil Engineering Structures, Steel and Wood
Wesche, K., Building Materials
(Vacant—City Engineering, Theoretical Geodesy, Special Aspects of Engineering Construction)

Faculty of Mechanical Engineering:

Bollenrath, F., Engineering Materials
Dettmering, W., Turbines and Motors
Dibelius, G., Steam and Gas Turbines
Ebner, H., Aircraft Construction
Eichhorn, F., Welding
Essers, E., Automobile Design and Tractions
Fink, M., Rail Traction, Cranes and Conveyers
Kiesskalt, S., Process Engineering
Linke, W., Heat and Air Conditioning
Lürenbaum, K., Design and Mechanics of Machines
Mathieu, J., Industrial Management
Menges, G., The Use of Plastics
Meyer zur Capellan, W., Cinematics
Naumann, A. Aerodynamics
Opitz, H., Machine Tools and Organisation of Production
Quick, A.-W., Aeronautics
Sack, H., Agricultural Machines
Schäfer, O., Automatic Control
Schmidt, F. A. F., Thermodynamics and Internal Combustion Engines
Schneekluth, H., Design of Ships and Barges for Inland Waterways
Schulter, R., Reactor Techniques
Seibold, W. O., Dynamics of Missiles
Vollbrecht, E., Practical Shipbuilding
Wegener, W., Textile Technology
(Vacant—Process Engineering, Experimental Techniques in Research Reactors, Converter Techniques, General Construction Theory of Mechanical Engineering, Machine Elements, Engineering Materials)

Faculty of Mining and Metallurgy:

Department of Mining:

Breddin, H., Applied Geology
Götte, A., Mineral Dressing (Coal), Coking and Briquetting
Hahn, T., Crystallography
Hoffmann, H., Mine Surveying Subsidence Problems, Geophysical Methods in Mining
Kock, H., Mining and Metallurgica Machinery
Reuther, E. U., Mining
Rode, K., Geology and Palæontology
Sann, B., Mining
Schachner, Doris, Mineralogy and Petrography
(Vacant—Mechanical Engineering in Mining)

Department of Metallurgy:

Knacke, O., Theoretical and Atomic Fuel Metallurgy
Lücke, K., Physical Metallurgy
Patterson, W., Foundry Technology
Schenck, H., Ferrous Metallurgy
Schwiedessen, H., Construction and Thermodynamics of Industrial Furnaces
Schwiete, H.-E., Glass and Ceramics
Vater, M., Rolling, Pressing and Drawing of Materials
Winterhager, H., Non-Ferrous and Electrolytic Metallurgy
(Vacant—Constructive Metallurgy)

Faculty of Electrical Engineering:

Aschoff, V., Telecommunication Engineering
Beneking, H., Transistor Techniques
Denzel, P., Technical and Economic Problems of Power Generation and Distribution
Döring, H., High-Frequency Technique
Engl, W., Theoretical Electronics
Flegler, E., General Electrical Theory and Technology
Janovsky, W., Technical Acoustics
Lueg, H., Technical Electronics
Sattler, P. K., Electrical Machines
Tafel, H. J., Signalling Equipment and Statistical Evaluation
Wasserstab, T., Rectifier Technique
Wijn, H. P. J., Electrical Engineering and Materials
(Vacant—General Electric Theory and Technology, High-Tension Technique)

Faculty of Philosophy:

Biemel, W., Philosophy
Gehlen, A., Sociology
Glinz, H., German Philology
Hauser, O., Modern History
Havemann, H. A., International Technical Co-operation
Klinkenberg, H. M., Medieval History
Mehnert, K., Political Science
Mirgeler, A., European History
Monheim, F., Geography
Röper, B., Economics and Commerce
Schwerte, H., Modern German Literary History
Stange, K., Statistics and Mathematics of Economics
Steinwachs, F., Psychology
Vormbaum, H., Science of Industrial Management
Zielinski, J., Pedagogy
(Vacant—English, Philology)

INSTITUTES ATTACHED TO THE TECHNISCHE HOCHSCHULE

House of Technology: Essen.
Professor: K. GIESEN (Refresher Courses and Lectures).

Technical Academy Bergisch Land e.V.: Wuppertal Barmen.
Professor: O. HOLFELDER.

Institute of Plastics Technology: Aachen.
Professor: K. KREKELER.

Institute of Research in Manufacturing Processes: Aachen.
Professor: S. KIESSKALT.

German Wool Research Institute: Aachen.
Professor: H. ZAHN.

Experimental Station for Inland Ship Building: Duisburg.
Professor: W. STURTZEL.

Institute of Research in Rationalisation: Aachen.
Professor: J. MATHIEU.

Institute for International Technical Co-operation:
Professor: H. A. HAVEMANN.

Studienkolleg für ausländische Studierende: Aachen.
Head: J. PICHLER, Oberstudienrat.

TECHNISCHE UNIVERSITÄT

BERLIN-CHARLOTTENBURG 12, HARDENBERGSTRASSE 34

Telephone: 32 5181.

The Bauakademie (Building Academy) of Berlin (f. 1799) and the Bauakademie und Gewerbeakademie (f. 1821) were amalgamated in 1879 as the Technische Hochschule Berlin; which was opened under its present name on April 9th, 1946.

Rector Magnificus: Prof. Dr.-Ing. F.-W. GUNDLACH.
Pro-Rector: Prof. Dr. rer. nat. P. HILBIG.
Registrar: U. KANTHACK.
Librarian: Dr. phil. P. KAEGBEIN.

Library: 220,000 vols., 330,000 patent specifications, 22,000 doctoral dissertations.

Number of teachers: 329, including 178 Professors.

Number of students: 9,613, including 1,017 foreign students.

Publications: *Humanismus und Technik* (3 times yearly), *Mitteilungsblatt der Technischen Universität Berlin* (3 times yearly), *Vorlesungsverzeichnis und Programm der Technischen Universität Berlin* (yearly), *Studentenführer der Technischen Universität Berlin* (yearly).

DEANS:

Faculty of Humanistic Studies: Prof. Dr. phil. K. SCHLÜTER.
Faculty of Science: Prof. Dr. phil. F. NERDEL.
Faculty of Architecture: Prof. Dipl.-Ing. O. M. UNGERS.
Faculty of Civil Engineering: Prof. Dr.-Ing. E. GRASSMANN.
Faculty of Mechanical Engineering: Prof. Dr.-Ing. E. RÖSSGER.
Faculty of Agriculture: Prof. Dr. phil. habil. K. SILBEREISEN.
Faculty of Mining and Metallurgy: Prof. Dr.-Ing. K. LÖHBERG.
Faculty of Economics: Prof. Dr. phil. K. WEICHSELBERGER.
Faculty of Electrical Engineering: Prof. Dr.-Ing. E. SCHÜTZ.

PROFESSORS:

Faculty of Humanistic Studies:
BAUMGART, F., Art History
EDDING, F., Economics of Human Resources
HEITMANN, K., Romance Languages and Literature
HELMCKE, J.-G., Biology
HÖLLERER, W., Literature
HÜBNER, K., Philosophy
KIRCHHOFF, R., Psychology
KLAGES, H., Sociology
KOLB, H., Old German Philology
RANTZAU, J. A. VON, History
STUCKENSCHMIDT, H. H., History of Music
SCHLÜTER, K., English Language and Literature
VALENTIN, H., Geography

Faculty of Science:
BOERSCH, H., Experimental Physics
BOHLMANN, F., Organic Chemistry
BUCKA, H., Nuclear Physics
GOBRECHT, H., Experimental Physics
HAACK, W., Mathematics
HAUG, A., Theoretical Physics
HELLWIG, G., Mathematics
HENGLEIN, A., Physical Nuclear Chemistry
JAECKEL, C., Mathematics
KNOBLOCH, H.-H., Mathematics
KÖLBEL, H., Technical Chemistry
LEICHTWEISS, K., Geometry
LIPPERT, E., Physical Chemistry
MOHR, E., Mathematics
NARATH, A., Applied Photographic Chemistry
NERDEL, F., Inorganic Chemistry
PÄSLER, M., Theoretical Physics
SCHENK, P. W., Inorganic Chemistry
SCHORMÜLLER, J., Food Chemistry
SLEVOGT, H., Technical Optics
WITT, H. T., Physical Chemistry and Electro-Chemistry
ZIMEN K.-E., Nuclear Chemistry

Faculty of Architecture:
BRESSLER, H., Structural Design
DÜBBERS, K., Architectural Design and Theory of Architecture
EGGELING, F., City Planning
HAMMERBACHER, HERTA, Landscape Gardening
HEINRICH, E., History of Architecture
HERMKES, B., Design of Industrial Buildings
KOLLER, P., City Planning
KREUER, W., Architectural Design and Theory of Architecture
PIEPER, V., Drawing and Painting
POELZIG, P., Architectural Design and Theory of Architecture
REUTER, E., Sculpturing
SCHWENNICKE, C.-H., Interior Design
UNGERS, O. M., Architectural Design and Theory of Architecture

Faculty of Civil Engineering:
BURKHARDT, R., Photogrammetry and Cartography
FAUNER, W. E., Mechanical Engineering in Construction Industries
GERLACH, E., Water Supply and Sewerage
GRASSMANN, E., Railway Engineering
HALASZ, R. VON, Structural Design
HUNGER, F., Surveying
KOEPCKE, W., Structural Design, Concrete
LORENZ, J., Foundations and Soil Mechanics
MARZAHN, K., Geodesy and Adjustment
MORITZ, H., Advanced Geodesy and Astronomy
PILNY, F., Materials
PRESS, H., Hydraulic Engineering
ROIK, K., Structural Design, Steel
SZABO, I., Mechanics
TEICHMANN, A., Statics
TROSTEL, R., Mechanics
WEHNER, B., Transportation Systems

Faculty of Mechanical Engineering:
AMTSBERG, H., Ship Design
BRAUER, H., Thermodynamics
CORNELIUS, E.-A., Elements of Machines
DAVID, O., Jet Propulsion Engines
FEDERN, K., Elements of Machines
FIALA, E., Automotive Engineering
GAST, T., Control Systems Technology
GIENCKE, E., Mechanics
GREGORIG, R., Power Plants
HERTEL, H., Aircraft Construction
KAYSER, H.-G., Fuel Technology
KOELLE, H.-H., Space Technology
KRUPPA, C., Hydrodynamics
LÖFFLER, K.-J., Thermodynamics
MARKS, K., Agricultural Machinery
METZMEIER, E., Statics of Ships
MIALKI, W., Nuclear Engineering
MÜNZBERG, H., Aerodynamics
OVERLACH, H., Transportation
PFLAUM, W., Combustion Engines and Gas Turbines
RAISS, W., Heating and Ventilation
RECKLING, K.-A., Applied Mechanics
RÖSSGER, E., Navigation
ROSSOW, E., Materials Processing
SCHALLBROCH, H., Machine Shop Practice
SCHULTE, B., Methods Engineering
SCHWEIZER, W., Fine Mechanical Engineering
SIMON, W., Numerical Control Systems Technology
STROHBUSCH, E., Ship Design
WIEST, P., Material Processing
WILLE, R., Fluid Mechanics
ZURMÜHL, R., Mathematical Methods in Mechanical Engineering

Faculty of Agriculture:
ANDREAE, B., Farm Management
BERGER-LANDEFELDT, U., Applied Botany
BLANCKENBURG, P. VON, Foreign Agriculture
BÜNEMANN, G., Fruit Production
DREWS, B., Fermentation Technology
HIRSCHMÜLLER, H., Sugar Technology
HOFFMAN, W., Plant Genetics
HUSEMANN, C., Cultivation Techniques
KEMMER, E., Fruit Production
KLIESCH, J., Animal Breeding
KOLBACH, P., Brewing Technology
KRAUS, G., Brewing Technology
LIMBERG, P., Crop and Plant Cultivation
MATTERN, H., Garden Art and Landscape Planning
MEHLITZ, A., Fruit and Vegetable Processing
RAUTERBERG, E., Plant Nutrition and Soil Biology

RIETHUS, H., Vegetable Production
RUNGER, W., Ornamental Plant Production
SCHWERTMANN, U., Soil Science
SILBEREISEN, K., Chemical-Technological Analyses
TONN, H., Mechanical Engineering in Fermentation Industries
WINDISCH, S., Microbiology

Faculty of Mining and Metallurgy:
ADLER, F., Mining Theory
DONATH, M., Mineral Deposits and Raw Materials
FROHBERG, M., Theory of Metallurgy
HILBIG, P., Surveying and Applied Geophysics
HOFMANN, E. E., Ferrous Metals
HOSEMANN, D., Mining Theory
LÖHBERG, K., Physical Metallurgy
PANKNIN, W., Deformation Processing
PAWLEK, F., Non-Ferrous Metals
SCHOLZE, H., Ceramics
SIEPMANN, H., Foundry
STRUNZ, H., Mineralogy
SZANTHO, E. VON, Mineral Dressing and Coal Preparation
WAGON, H., Mechanical Engineering in Mining Industries
WEVER, H., Physics of Metals
ZEIL, W., Geology and Palæontology

Faculty of Economics:
HARTMANN, B., Industrial Administration
KOENIGS, F., Commercial Law
KRUSE, A., Economics
KULHAVY, E., Business Administration
LAMPERT, H., Economics
SCHMIDT, K., Economics
SCHWARZ, H., Organisation
SCHWENN, H., Law
WEICHSELBERGER, K., Statistics

Faculty of Electrical Engineering:
CREMER, L., Architectural Acoustics
GILOI, W., Information Processing
GUNDLACH, F.-W., High-Frequency Techniques
HANNAKAM, L., Theoretical Electrotechniques
HELWIG, H. J., Light Techniques
MOHR, O., General Electricity and Instrumentation
NÜRNBERG, W., Electrical Machines
ROTHERT, G., Telecommunications
SCHNEIDER, G., Computer Control Systems
SCHÜTZ, E., General Electricity
STRIGEL, R., High-Voltage Techniques

TECHNISCHE HOCHSCHULE CAROLO WILHELMINA

BRUNSWICK, POCKELSTRASSE 14
Telephone: 478-1.

Founded in 1745 as the Collegium Carolinum, was established as a humanistic, mercantile and technical teaching centre in 1835, and was expanded in 1862 as the Herzogliche Polytechnische Schule. It acquired its present name in 1877.

Rector: Prof. Dr.-Ing. K. LÖHNER.
Pro-Rector: Prof. Dr. K. GERKE.

Number of teachers: 587, including 91 Ordinary Professors.
Number of students: 5,381.

DEANS:

Faculty of Natural Science and Philosophy: Prof. Dr. rer. nat. H.-J. KOWALSKY.
Faculty of Building Construction: Prof. Dr.-Ing. K. PIEPER.
Faculty of Engineering: Prof. Dr. rer. nat. G. LAUTZ.

PROFESSORS:

Faculty of Natural Science and Philosophy:
Department of Natural Science:
AWE, W., Pharmaceutical Chemistry and Galenic Pharmacy
BOETTGER, C. R., Zoology
BOGEN, H. J., Botany
BRUCHHAUSEN, F. VON, Pharmaceutical Chemistry, Food Chemistry
CARIO, G., Physics
CORDES, H., Physical Chemistry and Electro-Chemistry
FRANKENBERG, G. VON, Zoology
FRIESE, H., Organic Chemistry
HARTMANN, H., Inorganic Chemistry
HENZE, E., Applied Mathematics
HERRMANN, H., Calculus
IGLISCH, R., Mathematics
INHOFFEN, H. H., Organic Chemistry
JUSTI, E., Physics
KANOLD, H.-J., Mathematics
KELLER, G., Geology and Mineralogy
KERTZ, W., Geophysics and Meteorology
KESSLER, F. R., Physics
KOHLER, M., Theoretical Physics
KOWALSKY, H.-J., Mathematics
KROEPELIN, H., Chemical Technology
LINDNER, R., Nuclear Chemistry
MÜLLER, H. R., Mathematics
NIEMEIER, G., Geography
QUINKERT, W., Theoretical Chemistry
REHBOCK, F., Mathematics and Descriptive Geometry
REIK, H. G., Theoretical Physics
SCHALLER, F., Zoology
SCHNEIDER, F., Agricultural Technology and Sugar Production
SCHUMANN, H., Geology
STEFFEN, K., Pharmacognosy
THALER, H., Food Chemistry
WEIGMANN, R., Pharmacology
WEYRICH, R., Mathematics

Department of Philosophy:
EVERS, H.-U., Jurisprudence
GLOCKNER, H., Philosophy
HEFFTER, H., History
HERRMANN, T., Psychology
HERWIG, B., Psychology
HIETSCH, O., English and American Studies
HOPPE, K., German Language and Literature
HUMMEL, O., Factory Economics
KERN, W., Industrial Economy
MICHELSEN, P., German Language and Literature
ROSEN, E., Political Science
RÜHLAND, C., Public Jurisprudence
STRÖKER, ELISABETH, Philosophy
WILHELM, H., Political Economy

Faculty of Building Construction:
Department of Architecture:
EDZARD, K., Modelling, Life Drawing
FLESCHE, H., History of Building, Art and Town Planning
HECHT, K., History of Building and Art
HENN, W., Building Construction and Industrial Building
HERRENBERGER, J., Building Construction
HERZIG, E., Science of Building
JENSEN, H., Town and Country Planning
KORDINA, K., Building Materials and Reinforced Concrete Construction
KRAEMER, F.-W., Systems of Building and Elevations
KRISTEN, T., Building Materials and Reinforced Concrete Building
KULKE, E., Agricultural Building
OESTERLEN, D., Building Theory and Elevation
PETERSEN, J., Building Construction, Agricultural Building
PIEPER, K., Statics
RÖCKE, H., Architectural Drawing
STRIZIC, Z., Building Theory, High Building
THULESIUS, D., Architectural Drawing and Space Planning
WEBER, J., Agricultural Building and Technical Equipment

Department of Building Engineering:
BARBRÉ, R., Steel Construction
FALK, S., Mechanics, Stability Theory
GERKE, K., Geodesy
HABEKOST, H., Town Planning
HARBERT, E., Measurement
KOHL, E., Statics and Steel Construction
KORDINA, K., Materials
KRISTEN, T., Materials
LAGERSHAUSEN, H., Road and Rail Traffic Planning
MECKE, W., Highway Construction and Foundations
PASCHEN, H., Building Theory, Wooden Buildings
ZIMMERMANN, F., Water Supply

Faculty of Engineering:
Department of Machine Construction:
BAEHR, H. D., Heat Theory
BLENK, H., Applied Mechanics
DOETSCH, K. H., Aerial Navigation
DZIOGLU, B., Gears and Machine Dynamics
HOFFMANN, W., Materials and Welding Technique
HOFMANN, W., Tools Theory, Welding
KOESSLER, P., Transport Technology
KRAUS, R., Gears and Theory of Construction
KUHLENKAMP, A., Precision Tool-manufacturing
KÜSSNER, H. G., Aero-elasticity
LIPPMANN, H., Mechanics
LÖHNER, K., Piston Machines
LUTZ, O., Principles of Machines and Conveyors
MATTHIES, H. J., Agricultural Machinery
PAHLITZSCH, G., Machine Tools
PETERMANN, H., Electrical Machines
RANT, Z., Nuclear Technology
ROTH, K., Principles of Machines
RUGE, J., Welding Technique
SAMBRAUS, A., Machine Construction and Standardisation
SCHAEFER, H., Technical Mechanics
SCHLICHTING, H., Electrical Mechanics
SEYDEL, E., Statics
THIELEMANN, W., Aeroplane Construction
TRAUSTEL, S., Heat and Fuel Technique
WEBER, C., Special Mechanics
WEINGRABER, H. VON, Measuring Technique
WINTER, H., Aeroplane Construction

Department of Electrotechnics:
EMSCHERMANN, H. H., Electrical Engineering
KIND, D., High-Voltage Electrical Equipment, Conductors
KIRSCHSTEIN, F., Telephonic and High-Frequency Techniques
LAUTZ, G., Electrical Physics
LEONHARD, W., Electrical Power
MARX, E., High-Voltage Technique
MOELLER, F., Electrical Engineering
PUNGS, L., Telephonic and High-Frequency Technique
UNGER, F., Electrical Machines
UNGER, H.-G., High-Frequency Technique
WEH, H., Electrical Machines, Drives, Tracks

AFFILIATED INSTITUTES:

Wilhelm-Klauditz-Institut für Holzforschung: Bienroderweg 54a; Dir. Dr. rer. nat. G. STEGMANN.

Institut für Verfahrens- und Kerntechnik: Hans-Sommer-Str. 10; Dir. Prof. Dr.-Ing. Z. RANT.

BERGAKADEMIE CLAUSTHAL-TECHNISCHE HOCHSCHULE

CLAUSTHAL-ZELLERFELD, ADOLF-RÖMER-STR. 2A

Telephone: 721.

Founded 1775.

Rector: Prof. Dr. W. F. RIESTER.
Pro-Rector: Prof. Dr. H. WÖHLBIER.
Secretary: HELLMUT OTTO.
Librarian: Dr. G. GATTERMANN.

Number of teachers: 111, including 34 Ordinary Professors.
Number of students: 1,051 men, 36 women, total 1,087.
Publications: *Mitteilungsblatt d. Bergakademie, Nachrichten d. Bergakademie.*

DEANS:

Faculty of Natural Sciences and Philosophy: Prof. Dr. SCHÄFER.
Faculty of Mining and Metallurgy: Prof. Dr. TRÖMEL.

PROFESSORS:

Faculty of Natural Sciences and Philosophy:
BECKMANN, H., Applied Geology, Petroleum Geology
BORCHERT, H., Mineralogy, Petrography
BREHLER, B., Mineralogy, Crystallography
CRUSE, K., Physical Chemistry
EHRMANN, H., Mathematics
FÜRNSTENBERG, F., Sociology
GEIST, D., Applied Physics
GUNDERMANN, K.-D., Organic Chemistry
HÜTTENHAIN, H., Mineralogy
KRÖNER, E., Theoretical Physics
MAYER, H., Experimental Physics
MEINARDUS, G., Mathematics
MENZEL, H., Geophysics
PILGER, A., Geology, Palæontology
RIESTER, W. F., Economics and Commerce
ROSENBACH, O., Geophysics
SCHÄFER, M., Technical Mechanics
SCHNEIDER, A., Inorganic Chemistry
SIEBERT, H., Inorganic Chemistry
THIENHAUS, R., Geology
WILLECKE, R., Public Law and Mining Law

Faculty of Mining and Metallurgy:
BECKER, H., Petroleum Engineering, Drilling and Production
BRETTHAUER, K., Electrotechnics
CLEMENT, M., Mineral Dressing
DORSTEWITZ, G., Mining
ENGEL, L., Mechanical Engineering
ENGELL, H.-J., Theoretical Metallurgy
FUNKE, P., Rolling, Pressing and Drawing of Materials
HENNICKE, H. W., Glass and Ceramics
KIENOV, S., Technology of Ceramics
KUXMANN, U., Non-ferrous Metallurgy
LEHMANN, H., Glass and Ceramics
LUTHER, H., Chemical Technology, Gas Technology and Fuel Utilisation
RELLENSMANN, O., Mine Surveying
SCHÜRMANN, E., Foundry Technology
TRAUSTEL, S., Heat Economy and Furnace Constructing
TRÖMEL, G., Ferrous Metallurgy
WASSERMANN, G., Metallurgy, Physics of Metals
WÖHLBIER, H., Mining

TECHNISCHE HOCHSCHULE DARMSTADT

61 DARMSTADT, HOCHSCHULSTRASSE

Telephone: 851.

The Technische Hochschule was founded in 1836, under the name Höhere Gewerbeschule, known under its present name since 1877 and acquired university status in 1895.

Rector: Prof. Dr.-Ing. R. KLEIN.
Pro-Rector: Prof. Dr. phil. A. KÜNTZEL.
Chief Administrative Officer: Dr. jur. H.-G. WILKE.

Number of teachers: 159, including 107 Ordinary Professors.
Number of assistants: 429.
Number of students: 4,855 men, 157 women, total 5,012.

DEANS:

Faculty of Architecture: Prof. T. PABST.
Faculty of Civil Engineering: Prof. Dr.-Ing. H. BRETH.
Faculty of Machine Construction: Prof. Dr. rer. nat. W. HUMBACH.
Faculty of Electrotechnics: Prof. Dr.-Ing. G. BOSSE.
Faculty of Chemistry: Prof. Dr. rer. nat. E. WÖLFEL.
Faculty of Mathematics and Physics: Prof. Dr. phil. O. SCHERZER.
Faculty of Cultural and Political Sciences: Prof. Dr. jur. D. SCHULTZ.

PROFESSORS:

Faculty of Architecture:
BÄCHER, M., Formation of Architectural Spaces
BECK, H., Statics of Building Construction
EVERS, H. G., History of Art
GUTHER, M., Town Planning
MÜLLER-LINOW, B., Drawing
PABST, T., Building Construction
ROMERO, R., Architecture

Faculty of Civil Engineering:
BASSLER, F., Hydraulics Engineering, Water Construction
BRETH, H., Soil Mechanics and Foundations
KIRSCHMER, O., Hydraulics
KLEIN, R., Railroads, Roads and Traffic
KLÖPPEL, K., Statics, Steel Bridges and Steel Construction, Elastic Stability, Welding
MÜLLER, W., Water Supply, Sewerage, Municipal Engineering

Faculty of Machine Construction:
BOCK, G., Aircraft Technics
BRECHT, W., Papermaking
ESCHENBACH, W., Printing
HUMBACH, W., Reactor Engineering
JAROSCHEK, K., Thermodynamics and Steam Engines
KIRCHBERG, G., Steam Power Machines
KRISCHER, O., Thermal Methods
MAYER, K., Haulage Technique and Cranes
MÜLLER, H. W., Machine Elements
OPPELT, WINFRIED, Control Engineering
PAHL, G., Machine Elements
ROHMERT, W., Ergonomics
SCHEUBEL, F. N., Hydraulic Machines
STROMBERGER, C., Mechanical Technology
TRIEBNIGG, H., Combustion Engines
WIEGAND, H., Materials

Faculty of Electrotechnics:
BOSSE, G., General Electricity
BRADER, C., Electromechanical Apparatus
FRÜHAUF, G., Electrical Engineering, High Tension and Measurements
HOSEMANN, G., Energy Supply
JÖTTEN, R., Rectifiers and Gas Discharge Application
KLEIN, W., Telecommunication
KRÄMER, W., Electrical Machinery
OPPELT, WINFRIED, Control Engineering
PIEFKE, G., Theoretical Electrotechnics
PILOTY, R., Information Processing
ZINKE, O., Telecommunications

Faculty of Chemistry:
BÄHR, G., Inorganic Chemistry
FRANKE, W., General Chemistry
JAYME, G., Cellular Chemistry
HAFNER, K., Organic Chemistry
KOHLSCHÜTTER, H. W., Inorganic and Analytical Chemistry
KÜNTZEL, A., Tanning
LIESER, K. H., Nuclear Chemistry
LUTHER, W., Zoology
PAULITSCH, P., Mineralogy
SCHLÖGL, R., Electro-Chemistry
SCHOENEMANN, K., Chemical Technology
SOLLE, G., Geology and Petrology
WITTE, H., Physio-Chemistry
WÖLFEL, E., X-ray Crystallography
ZIEGLER, H., Botany

Faculty of Mathematics and Physics:
BECK, F., Theoretical Atomic Physics
BECKER, E., Mechanics
BRIX, P., Atomic Physics
ELSCHNER, B., Experimental Physics
FICK, E., Theoretical Physics
FISCHER, H., Applied Physics
GRAF, H., Geometry
HELLWEGE, K.-H., Technical Physics
KLOTTER, K., Mechanics
LAUGWITZ, D., Mathematics
LINGENBERG, R., Geometry
MARGUERRE, K., Mechanics
MARTENSEN, E., Mathematics
SCHERZER, O., Theoretical Physics
SCHMIEDEN, C., Mathematics
SCHNELL, W., Mechanics
WAIDELICH, W., Experimental Physics
WALTHER, A., Mathematics
WIPPERMANN, F., Meteorology

Faculty of Cultural and Political Sciences:
ABEL, H., Technical and Vocational Education
ARETIN, K. VON, History
DRATH, M., Public Law
DULFER, E., General Theory of Business Administration, Industrial and Trust Organisation
GURLAND, A. R. L., Political Science
HORN, A., Political Economy
HUHLE, F., Political Economy
KOGON, E., Political Science
KRAFT, A., Law
NAUMANN, W., Comparative Literature
ROESSLER, H., History
SCHLECHTA, K., Philosophy, Pedagogy and Psychology
SCHULTZ, D., Jurisprudence
STRICKRODT, G., Finance and Taxation Law

TECHNISCHE HOCHSCHULE HANNOVER

HANOVER, WELFENGARTEN 1

Telephone: 762-1.

Founded 1831.

Rector: Prof. Dipl.-Ing. W. RENARD.
Pro-Rector: Prof. Dr. rer. nat. T. KALUZA.

Number of teachers: 311, including 184 Professors.

Number of students: 4,713 men, 331 women, total 5,044.

DEANS:

Faculty of Arts and Sciences: Prof. Dr. phil. habil. W. A. VON MEYEREN.
Faculty of Building Construction: Prof. Dr.-Ing. T. LEHMANN.
Faculty of Engineering: Prof. Dipl.-Ing. A. WANGERIN.
Faculty of Horticulture: Prof. Dr. phil. nat. habil. K. BUCHWALD.

PROFESSORS:

Faculty of Arts and Sciences:
Department of Mathematics and Physics:
BERTRAM, G., Descriptive Geometry and Practical Mathematics
BURKHARDT, G., Theoretical Physics
HÄNDLER, W., Electrical Engineering
HINZPETER, A., Applied Physics
KALUZA, T., Higher Mathematics
MEYEREN, W. VON, Experimental Physics
ROTHENSTEIN, W., Higher Mathematics
STEUDEL, A., Experimental Physics
TIETZ, H., Geometry

Department of Chemistry:
BODE, H., Inorganic and Analytical Chemistry
BUSCHENDORF, F., Mineralogy
DORNOW, A., Organic Chemistry
FISCHER, W., Inorganic Chemistry
HAUL, R., Physical and Electrical Chemistry
RICHTER, K., Geology
SCHIEMANN, G., Technical Chemistry
SCHULTZE, G. R., Chemistry of Petroleum
THEILACKER, W., Organic Chemistry

Department of Arts:
BÖHRS, H., Business Economics
FERBER, C. VON, Social Science
FREUNDLICH, R., Philosophy
MAYER, H., German Language and Literature
MENSCHING, H., Geography
OERTZEN, P. VON, Political Science
PIEPER, H., Jurisprudence
TREUE, W., History
WILDE, H.-O., Foreign Countries and English Studies

Faculty of Building Construction:
Department of Architecture:
GRAUBNER, G., Design and Materials
HOELTJE, G., History of Building and Art
HOFMANN, W., Building Construction Theory
JANSSEN, M., Industrial Design
LAAGE, G., Construction
LANDZETTEL, W., Town and Country Planning
LEHMANN, K., Modelling
SOHNS, K., Drawing and Painting
SPENGELIN, F., Town and Country Planning
ZINSSER, E., Design

Department of Building and Engineering:
BILLIB, H., Agricultural Irrigation
GRABE, W., Building and Road Construction
GROSSMANN, W., Surveying
HEISSLER, V., Topography and Map-Making
HENSEN, W., Foundations, Hydraulic Engineering
HÖPCKE, W., Theoretical Geodesy
KEHR, D., Water Supply in Flats
KEJWAL, K., Building Technology
KOCH, H.-W., Vibration and Surveying
LACKNER, E., Foundations, Dams
LEHMANN, G., Surveying
LEHMANN, T., Building Mechanics
MASSUTE, E., Railways and Roads
PFANNMÜLLER, H., Statics and Steel Building
PFLÜGER, A., Statics
WEINHOLD, J., Building Materials
ZERNA, W., Large Building Construction

Faculty of Engineering:
Department of Machine Construction:
BAMMERT, K., Electrical Machines
BÜHLER, H., Machine Tools
ERDMANN-JESNITZER, F., Materials
KLÜSENER, O., Cylinder Engines
MARTYRER, E., Machine Elements, Hydraulic Machines
MATTING, A., Materials
MINTROP, H., Measurement Technique in Machine Construction
MÖLBERT, F., Railway Engines
OSENBERG, W., Automatic Machines
PESTEL, E., Mechanics
SCHLITT, H., Adjustment Technique
VIERLING, A., Transportation (*Temp.*)

Department of Marine Engineering:
HANSEN, J., Ship Construction, Statics
ILLIES, K., Marine Engines
WANGERIN, A., Auxiliary Machinery
WENDEL, K., Ship Design and Theory

Department of Electrotechnics:
JORDAN, H., Electrical Machinery
PFESTORF, G., General Electronics
RUMMEL, T., Electrical Heating
SCHÖNFELD, H., Electrical Communications
TISCHNER, H., Theoretical Electrotechnics
WEISSMANN, H., Electrical Works, Steerage

Faculty of Horticulture:
BOPP, M., Botany
BUCHWALD, K., Soil Husbandry
BUSCH, W., Horticulture
DAMMANN, W., Meteorology and Climatology
GLUBRECHT, H., Ray Biology
HAAS, P.-G. DE, Fruit Growing
KUCKUCK, H., Garden Plants
LENDHOLT, W., Landscape Gardening, Garden Design
MAATSCH, R., Flower Growing
MEYER, E., Plant Diseases
MEYER, K., Cultivation and Planning
NICOLAISEN, W., Vegetable Growing
RATHSACK, K., Plant Nutrition
RENARD, W., Technics of Horticulture
SCHACHTSCHABEL, P., Soil Science

TECHNISCHE HOCHSCHULE FRIDERICIANA
(Baden Institute of Technology)

KARLSRUHE, KAISERSTRASSE 12

Telephone: 6081.

Founded 1825.

The Technische Hochschule Fridericiana was the first technical institute in Germany and the first to acquire university status.

Rector: Prof. Dr. K. LANKHEIT.
Pro-Rector: Prof. Dr. P. SCHULZ.
Librarian: Prof. Dr. R. OEHME.

Number of teachers: 321, including 125 Ordinary Professors.

Number of students: 5,395 men, 338 women, total 5,733.

DEANS:

Faculty of Natural Science and Philosophy: Prof. Dr. H. BLOHM.
Faculty of Building Construction: Prof. Dr. W. DIERSCHKE.
Faculty of Mechanical Engineering: Prof. Dr. R. GÜNTHER.

PROFESSORS:

Faculty of Natural Science and Philosophy:
Department of Mathematics and Physics:
BIERLEIN, D., Mathematical Statistics
BUCKEL, W., Physics
CITRON, A., Experimental Nuclear Physics
DIEM, M., Meteorology
FALK, G., Mathematical Physics
GÜNTHER, W., Theoretical Mechanics
HÖHLER, G., Theoretical Nuclear Physics
KAHLE, H.-G., Experimental Matter Physics
KOFINK, W., Structure of Materials
KUNLE, H., Geometry
LEOPOLDT, H.-W., Mathematics
METTLER, E., Mechanics
MÜLLER, S., Geophysics
NICKEL, K., Numerical Mathematics
RUPPEL, W., Applied Physics
SCHOPPER, H., Experimental Nuclear Physics
STÖCKMANN, F., Applied Physics
STRUBECKER, K., Mathematics
WALTER, W., Mathematics
WEISSINGER, J., Applied Mathematics
WITTICH, H., Mathematics
WOLF, F., Theoretical Physics

Department of Chemistry:
BODENDORF, K., Pharmacy
CATSCH, A., Study of Rays
CRIEGEE, R., Organic Chemistry
DWORZAK, R., Analytical Chemistry
FISCHER, H., Electrochemistry
FITZER, E., Chemical Technics
FRANCK, E. U., Physical Chemistry
FRITZ, G., Inorganic Chemistry
HEIMANN, W., Food Chemistry
HOLLUTA, J., Hydrogen Chemistry
ILLIES, H., Geology
KÜHLWEIN, H., Botany and Pharmacognosy
MAURIN, V., Applied Geology
PICHLER, H., Gas Technology and Fuel Utilisation
REIN, G., Petrography
SEELMANN-EGGEBERT, W., Radiochemistry
STEINER, G., Zoology
VOGT, H., Pharmaceutical Methodology
VOLLMERT, B., Macromolecular Chemistry
WONDRATSCHEK, H., Mineralogy

Department of Philosophy:
BLOHM, H., Industrial Management
FAHRNER, R., Literature
FUNCK, R., Economics
KRÜGER, G., Industrial Management
LEIDLMAIR, A., Geography
LINDE, H., Sociology and Politics
MOSER, S., Philosophy
NIPPERDEY, T., History
SCHEELE, E., Economics
SCHMELZEISEN, G. K., Jurisprudence

Faculty of Building Construction:

Department of Architecture:

BAYER, A., Town Planning
BLEY, W., Interior Design
BÜCHNER, R., Building Construction and Design
DIERSCHKE, W., Building Theory and Design
EIERMANN, E., Structural Design
KROEKER, I., Building Construction
LANKHEIT, K., History of Art
LEDERBOGEN, R., Basis of Architecture
LEWENTON, G., Building Statistics
SELG, K., House Construction
TSCHIRA, A., History of Building

Department of Building Engineering:

BREITENÖDER, M., Plumbing and Hydromechanics
DRAHEIM, H., Geodesy
FRANZ, G., Reinforced Concrete Construction
FRITZ, B., Building Statics
KREBS, H. G., Road and Railway Construction
KÜHN, G., Machines in the Building Industry
LAMMERS, G., Town and Country Planning
LEUSSINK, HANS, Foundations, Tunnelling, Building Technique
LEUTZBACH, W., Traffic
LICHTE, H., Geodesy
MÖHLER, K., Building Construction
MOSONYI, E., Waterworks Construction
SCHWIDEFSKY, K., Photogrammetry and Topography
STEINHARDT, O., Steel and Light Metal Construction

Faculty of Mechanical Engineering:

Department of Mechanical Engineering:

BECKER, E. W., Nuclear Engineering
DONANDT, H., Haulage
FRIEDRICH, R., Thermal Electric Machines
GÜNTHER, R., Combustion Engines
JUNGBLUTH, H., Mechanical Technology, Testing
KIRSCHBAUM, E., Chemical Engineering
KOLLMANN, K., Machine Parts and Motor Vehicles
KRAEMER, O., Reciprocating Engines and Boilers
KUPRIANOFF, J., Technology of Food Preparation
LEIPHOLZ, H., Technical Mechanics and Solidity
LINGE, K., Mechanics and Heating
MARCINOWSKI, H., Hydraulics and Aerodynamics
NESSELMANN, K., Thermodynamics
RUMPF, H., Mechanics
SMIDT, D., Reactor Technique
THÜMMLER, F., Mechanical Technology
VICTOR, H., Machine Tools, Workshop Technique
WEIDENHAMMER, F., Technical Mechanics
WIRTZ, K., Reactor Techniques
ZIEREP, J., Theoretical Doctrine of Flow

Department of Electrical Engineering:

ERNSTHAUSEN, W., Electrobiology
FISCHER, J., Theoretical Electrotechnics and Measurement
FRIEDBURG, H., Electronics
LAU, H., High-Voltage Technique, Electrical Equipment, Drives
NAHRGANG, S., Basis of Electrotechnics and Regulation Technique
PRASSLER, H., High Voltage and Electric Machines
REEB, O., Light Technology and Measurement
ROTHE, H., High-Frequency Technique
SCHULZ, P., Lighting
SCHÜSSLER, W., Communications
STEINBUCH, K., Communications

TECHNISCHE HOCHSCHULE MÜNCHEN

MUNICH 2, ARCISSTRASSE 21

Telephone: 55921.

Founded 1868.

Rector Magnificus: Prof. Dr. phil. habil. F. PATAT.
Pro-Rector: Prof. Dr. G. AUFHAMMER.
Administrator: Prof. Dr. H. ENGERTH.
Librarian: Dr. J. WIEDER.

Number of teachers: 357, including 141 Professors.

Number of students: 7,960 men, 286 women, total 8,246.

DEANS:

Faculty of General Sciences: Prof. Dr. G. AUMANN.
Faculty of Building: Prof. Dipl.-Ing. H. E. SCHUBERT.
Faculty of Machines and Electrotechnics: Prof. Dr.-Ing. habil. H. NETZ.
Faculty of Agriculture: Prof. Dr. O. A. SOMMER.
Faculty of Brewing: Prof. Dr.-Ing. F. ASSELMEYER.

PROFESSORS:

Faculty of General Sciences:

AUMANN, G., Higher Mathematics and Mechanics
BAIER, O., Geometry
BAUER, W., Higher Mathematics and Mechanics
BERNHARDT, W., Private and Patent Law
BORCHERT, W., Mineralogy
BORN, H. J. Radiochemistry
BRENIG, W., Theoretical Physics
BUSSMAN, K., Business Administration
FLECKENSTEIN, J. O., History of Science and Technology
FRIESER, H., Scientific Photography
FÜNFER, E. Applied Physics
GERISCHER, H., Electrochemistry
HARTKE, W., Geography
HEINHOLD, J., Applied Mathematics and Mathematical Statistics
HIEBER, W., Inorganic Chemistry
JANDER, J., Inorganic Chemistry
KAISER, W., Experimental Physics
KANDLER, O., Applied Botany
KRESZE, G., Organic Chemistry
LAMMEL, E., Mathematics
LUTZE, E., Experimental Physics
LUX, H., Analytical Chemistry
MAIER-LEIBNITZ, Technical Physics
MEINHOLD, W., Economics
PATAT, F., Chemical Technology
RIEHL, N., Technical Physics
SAMELSON, K., Higher Mathematics
SAUER, R., Higher Mathematics and Mechanics
SCHMIDTKE, H., Industrial Psychology and Industrial Pedagogics
SCHMIDT-THOMÉ, P., Geology
SIEGLITZ, A., Chemical Technology of Dyestuffs
TREIBS, A., Organic Chemistry
WEYGAND, F., Organic Chemistry
WILD, W., Theoretical Physics

Faculty of Building:

ALBERS, G., Town and Country Planning
ALBRECHT, J., Reproduction Processes
ANGERER, A., Town Designing
BURKHARDT, G., Tunnel Construction, Building Management
EICHBERG, W., Multi-Storey Building
FRANKE, P.-G., Hydraulics
HABEL, A., Multi-Storey Building Statics
HART, F., Multi-Storey Building
HARTUNG, F., Hydraulics
HASSENPFLUG, G., Architecture
JELINEK, R., Foundations
KARNAPP, W., Art of Drawing, Construction of Perspective Drawing
KNEISSL, M., Geodesy
KRAUSS, F., History of Building
LIPPL, R., Drawing
LUDWIG, J., Architectural Drawing and Internal Architecture
MEIER, H., Railways
RUCKER, A., Municipal Engineering
RÜSCH, H., Massive Building
SCHAECHTERLE, K.-H., Traffic Planning and Transportation
SCHUBERT, H. E., Technology of Building Materials
SIGL, R., Astronomics and Physical Geodesy
WEBER, G., Architecture
WIEDEMANN, J., Architecture

Faculty of Machines and Electrotechnics:

ACKERMANN, G., Heating and Ventilating
BORCHERS, H., Metallurgy
DREHER, F., Cranes and Means of Transport
EISELE, F., Machine Tools
GRIGULL, U., Technical Thermodynamics
HUSSMAN, A., Fuel Machines
KNEULE, F., Operations Technique
KNOLL, M., Electronics
LÜDER, H., Operations Technique
MAECKER, H., Theoretical Electrotechnics
MARKO, H., Electrical Communication
MEINKE, H. H., High-Frequency Technics
MERZ, L., Regulating and Control Engineering
NETZ, H., Smelting Machinery
NEUBER, H., Mechanics
NIEMANN, G., Machine Elements
PRINZ, H., High-Tension Technics
RAABE, J., Hydraulic Machines and Installations
SCHEURING, W., Electrical Machines
TRAENKLE, C., Flight and Space Mechanics
TRUCKENBRODT, E., Technical Mechanics
UNTERBERGER, R., Precision Instruments, Gearing

Faculty of Agriculture:

AUFHAMMER, G., Plant Breeding
BERR, A., Zoology
BRENNER, W., Applied Machine Technics
FRITZ, D., Cultivation of Vegetables
HERLEMANN, H.-H., Agricultural Economics and Marketing
HOFMANN, E., Agricultural Chemistry
KIERMEIER, F., Dairy Farming and Dairies
KIRCHGESSNER, M., Animal Feeding
LIEBSTER, G., Fruit Growing
RIEDL, W., Chemistry and Agricultural Technology
RINTELEN, P., Agricultural Economics
SCHREIBER, L., Landscape Gardening
SOMMER, O., Animal Breeding
VOGELMANN, A., Floriculture and Ornamental Plants
VOIGTLÄNDER, G., Research on Permanent Grassland
WITSCH, H. VON, Botany

Faculty of Brewing:

ASSELMEYER, F., Physics
ENGERTH, H., Brewing Economy

KINNEBROCK, F., Brewery Management
NARZISS, L., Technology of Brewing
SCHILD, E., Chemical Analysis
SCHÖFFEL, F., Brewery Machines
STEFANIAK, H., Machinery
WEINFURTNER, F., Technology of Brewing

TECHNISCHE HOCHSCHULE STUTTGART

STUTTGART-NORD, HUBERSTRASSE 16

Telephone: 299731.

Founded 1829.

Rector: Prof. Dr. phil. W. MECKELEIN.
Pro-Rector: Prof. Dr.-Ing. A. WEISE.

Number of teachers: 309, including 93 Professors.

Number of students: 6,300.

DEANS:

Faculty of Natural Sciences and Philosophy: Prof. Dr. phil. H. PICK.
Faculty of Civil Engineering: Prof. Dr.-Ing. A. RÖHNISCH.
Faculty of Mechanical Engineering: Prof. C. M. DOLEZALEK.

PROFESSORS:

Faculty of Natural Sciences and Philosophy:

Department of Mathematics and Physics:

BRAUNER, H., Descriptive Geometry
DEHLINGER, U., Applied Physics
HAKEN, H., Mathematics
HILLER, W., Geophysics
HOFFMANN, KL.-W., Physics
KNESER, H., Physics
KNÖDEL, W., Mathematics
LÖSCH, F., Mathematics
MEYER-KÖNIG, W., Mathematics
PICK, H., Physics
WOLF, H., Physics

Department of Chemistry, Geology and Biology:

ALDINGER, H., Geology and Palæontology
ARNOLD, A., Botany
BERNHAUER, K., Physics
BREDERECK, H., Organic Chemistry
DIALER, K., Technical Chemistry
FÖRSTER, TH., Physical Chemistry
GOUBEAU, J., Inorganic and Analytical Chemistry
HAMANN, K., Chemistry
HILLER, J.-E., Mineralogy and Crystallography
KÖSTER, W., Metallurgy
KREBS, H., Inorganic and Analytical Chemistry
RATH, H., Textile Chemistry

Department of Arts and Education:

BENSE, M., Philosophy
MARTINI, F., Literature and Aesthetics
MECKELEIN, W., Geography
NITSCHKE, A., History
SIVERS, E. VON, Political Economy
SPAEMANN, R., Philosophy and Education
WENTZEL, H., Art History

Faculty of Civil Engineering:

Department of Architecture:

BRÜLLMANN, H., Building Construction and Design
DEBUS, M., Drawing and Modelling
DEILMANN, H., Building Science, Design
GÖTZ, L., Building Materials, Design
GUTBIER, R., Building Sites and Planning
GUTBROD, R., Interior Decorating and Design
HANSON, H., History of Architecture
LINDE, H., College Planning
SCHOCH, R., Agricultural Building Construction
SIEGEL, C., Statistics and Industrial Construction
TIEDJE, W., Design
WILHELM, G., Building Construction and Design

Department of Building and Surveying:

BORNSCHEUER, F. W., Statics
DREES, G., Building Theory
GOTTHARDT, E., Surveying, Photogrammetry
LAMBERT, W., Railway and Road Construction
LEONHARDT, E., High Buildings
LINKWITZ, K., Surveying
PELIKAN, W., Statics of Stone Construction
PÖPEL, F., Hydraulic Building for Flats
RAMSAYER, K., Surveying
RÖHNISCH, A., Hydraulics and Natural Resources
SCHLUMS, J., Road Construction
TIEDJE, W., Building Construction and High Buildings
TÖLKE, F., Building Materials and Testing of Materials
WEIL, G., Strength of Materials

Faculty of Mechanical Engineering:

Department of Mechanics:

BEISTEINER, F., Material Handling, Transmission Gear, Construction Machinery
BLENKE, H., Process Engineering
DOLEZALEK, C. M., Factory Building
GLASER, G., Chronometry and Micro-Mechanics
GLASER, H., Technical Thermodynamics
HOCKER, K.-H., Nuclear Energetics
HUTAREW, G., Water-power Machines and Pumps
JEHLICKA, J., Stationary Piston Engines
LANGE, K., Metal Forming
LEYER, A., Construction Theory
MAGNUS, K., Technical Mechanics
QUACK, R., Charcoal and Steam Power
RIEKERT, P., Motor Cars, Mechanical Dynamics
SCHENKEL, G., Synthetic Materials
SCHMIDT, TH. W., Engineering Thermodynamics
SCHULZE, R., Technical Optics
SENGER, U., Heating Machinery
TALKE, K., Machine Parts
WELLINGER, K., Materials Testing, Materials and Elastic Properties
WINTERGERST, S., Tools in Metal and Synthetic Materials
ZOLLER, K., Technical Mechanics

Department of Electrotechnics:

BADER, W., Electrotechnics
BÖCKER, H., High Tension, Electrotechnics
DOSSE, J., High-Frequency Technique
FELDTKELLER, R., Teleprinting
HESS, H., Electrical Machinery
KLUGE, W., Gas Installations, Photoelectric Processes
LEONARD, A., Electrical Installation
LOTZE, A., Communications and Data Processing
WOLMAN, W., Long-Distance Telephone Installation

Department of Aircraft Construction:

ARGYRIS, J. H., Statics and Dynamics of Aircraft Structures
BOSNJAKOVIC, F., Thermodynamics of Aircraft Engines
HÜTTER, V., Aircraft Construction
SENGER, U., Turbo-prop Aircraft
WEISE, A., Electricity

Plans have been made for a new Technische Hochschule in Dortmund.

COLLEGES

* *Indicates that the College is of University standing.*

AGRICULTURE AND VETERINARY SCIENCE

***Landwirtschaftliche Hochschule Hohenheim:** 7000 Stuttgart-Hohenheim; Tel. 25911; f. 1818.

Rector: Prof. Dr. W. RENTSCHLER.
Pro-Rector: Prof. Dr. G. FRANZ.

Number of teachers: 93, including 32 full Professors.
Number of students: 593.
Publications: *Reden und Abhandlungen, Arbeiten.*

DEANS:

Faculty of Natural Sciences: Prof. Dr. H. HAHN.
Faculty of Agriculture: Prof. Dr. H. RÖHM.

***Tierärztliche Hochschule Hannover:** Hanover, Bischofsholer Damm 15; f. as the Königliche Tierarzneischule 1778; became a Hochschule in 1887; attained university status 1913.

Rector: Prof. Dr. med. vet. K. ENIGK.
Pro-Rector: Prof. Dr. W. SCHULZE.

Number of teachers: 60, including 23 Ordinary Professors.
Number of students: 568 men, 147 women, total 715.

ART, ARCHITECTURE

Akademie der bildenden Künste (*Academy of Fine Arts*): Munich, Akademiestr. 2; f. 1770 (Charter conferred 1808 and 1953); 20 professors; 700 students; Pres. Prof. J. HENSELMANN; Vice-Pres. Prof. H. KASPAR.

Akademie der bildenden Künste in Nürnberg: Nuremberg, Bingstr. 60; f. 1662; 168 students; Pres. Prof. O. M. SCHMITT; Vice-Pres. Prof. K. H. WALTER.

Folkwang-Hochschule für Musik-Theater-Tanz: Essen-Werden, Abtei; Dir. Prof. H. DRESSEL; Dep. Dir. Prof. G. STIEGLITZ.

Hochschule für bildende Künste Berlin: 1 Berlin 12, Hardenbergstr. 33; f. 1696.

Director: Prof. K. OTTO.
Deputy Director: Prof. K. HARTUNG.
Administrative Director: O. REISER.

Library of 42,000 volumes.
Number of teachers: 99.
Number of students: 480 men, 261 women, total 741.

DEANS:

Department of Arts: Prof. K. HARTUNG.
Department of Architecture: Prof. W. WEBER.
Department of Applied Arts: Prof. W. BERGMANN.
Teachers' Training School: Prof. H. THOMA.

Staatliche Akademie der bildenden Künste: Karlsruhe, Reinhold-Frank-Str. 83; f. 1854; Rector Prof. GAENSSLEN; teaching staff 15.

Staatliche Akademie der bildenden Künste: Stuttgart N., Am Weissenhof 1; f. 1761; Rector Prof. W. BRUDI; Pro-Rector Prof. R. YELIN; Curator Prof. Dr. H. FEGER; teaching staff 48.

Staatliche Hochschule für bildende Künste: Brunswick, Broitzemerstrasse 230; f. 1963; Dir. Prof. K. WOLLERMANN.

Staatliche Hochschule für bildende Künste: Hamburg 22, Lerchenfeld 2; Dir. Prof. Dr. Freiherr VON BUTTLAR.

Staatliche Hochschule für bildende Künste: Kassel, Eugen-Richter-Str. 3; f. 1777; Dir. Dr. H. U. ASEMISSEN.

Staatliche Kunstakademie, Düsseldorf, Hochschule für bildende Künste (*State Acad. of Art*): Düsseldorf, Eiskellerstr. 1; f. 1769; 21 mems.; Dir. Prof. Dr. H. SCHWIPPERT.

Städelschule, Staatliche Hochschule für bildende Künste: Frankfurt a.M., Dürerstr. 10; f. 1817; Dir. Prof. J. KRAHN; Deputy Dir. Prof. Dr. E. HOLZINGER.

ECONOMICS, POLITICAL AND SOCIAL SCIENCES, PUBLIC ADMINISTRATION

Hochschule für politische Wissenschaften: Munich 2, Theresienstr. 29/III; f. 1950; Rector Prof. Dr. H. KUHN.

Hochschule für Verwaltungswissenschaften: Speyer, Freiherr-vom-Stein-Strasse 2; f. 1947; Rector Prof. Dr. G. SMOLKA; Pro-Rector Prof. Dr. C. H. ULE; 38 teachers, including 13 professors; *c.* 250 post-graduate students selected by *Länder* governments.

***Wirtschaftshochschule:** Mannheim, Schloss Ostflügel; f. 1907; Rector Prof. Dr. G. VON KORTZFLEISCH; teaching staff 94; students 2,300; library 140,000 vols.

MEDICINE

***Medizinische Akademie:** Düsseldorf, Strümpellstr. 4; f. 1907.

Rector: Prof. Dr. OBERDISSE.
Pro-Rector: Prof. Dr. BAY.

Medizinische Akademie Lübeck: Lübeck, Ratzeburger Allee 160; *see under* University of Kiel.

Medizinische Hochschule Hannover: Hanover, Bischofsholer Damm 15; f. 1963; Chancellor Prof. Dr. med. R. SCHOEN.

MUSIC

Bayerisches Staatskonservatorium der Musik: Würzburg, Hofstallstr. 6-8; Tel. 52260; f. 1804; Dir. H. REINARTZ.

Hochschule für Musik: Berlin-Charlottenburg, Fasanenstr. 1; f. 1869; 510 students; 110 teachers; Dir. Prof. B. BLACHER.

Internationales Musikinstitut Darmstadt (formerly *Kranichsteiner Musikinstitut*): Darmstadt, Nieder-Ramstadter-Str. 190; f. 1946; yearly holiday course for the study of modern music of all countries; international music lending library 16,000 vols.; Dir. E. THOMAS.

Nordwestdeutsche Musikakademie: Detmold, Neustadt 12 (Palais); f. 1946; 80 teachers; 360 students; Dir. Prof. M. STEPHANI.

Schleswig-Holsteinische Musikakademie: Lübeck, Am Jerusalemberg 4; Dir. Prof. Dr. J. ROHWER.

Staatliche Hochschule für Musik: Frankfurt a.M., Eschersheimer Landstrasse 33; f. 1878 as Konservatorium, Hochschule since 1938; Dir. Prof. P. MOHLER.

Staatliche Hochschule für Musik: Hamburg 13, Harvestehuder Weg 12; f. 1950; teaching staff of 136; 515 students; Dir. Prof. W. MALER.

Staatliche Hochschule für Musik: Cologne, Dagobertstrasse 38; f. 1925; teaching staff of 88; 550 students; Dir. Prof. H. SCHRÖTER.

Staatliche Hochschule für Musik: Munich 2, Arcisstrasse 12; f. 1846; teaching staff of 90; about 500 students; Pres. Prof. K. HÖLLER; Dir. Prof. Dr. E. VALENTIN.

Staatliche Hochschule für Musik und Darstellende Künst: Stuttgart, Urbansplatz 2; f. 1857; 90 teachers; about 420 students; Dir. Prof. H. REUTTER.

Staatliche Hochschule für Musik Freiburg im Breisgau: Freiburg i. Br., Münsterplatz 30; f. 1946; teaching staff of 58; Dir. Prof. C. SEEMANN; Dep. Dir. Prof. H. FROITZHEIM.

Städtisches Konservatorium Berlin: (formerly *Sternsches Konservatorium*): Berlin, W.15, Bundesallee 1-12; f. 1850; 76 teachers, including professors; 450 students (272 men, 178 women); Dir. Dr. K. WESTPHAL.

PHILOSOPHY, THEOLOGY

Augustana-Hochschule: Neuendettelsau über Ansbach/Mfr.; f. 1947; Evangelical; number of teachers 15; Rector Dr. W. ANDERSEN.

Berchmanskolleg: 8023 Pullach bei München; Faculty of Philosophy; Rector R.P. J. Hegyi; Dean of Students and of the Faculty: P. J. de Vries; Librarian P. W. Brugger; library of 100,000 vols.

Bischöfliche Philosophisch-Thelogische Hochschule: Eichstätt (Bavaria), Leonordplatz 3; f. 1564; Catholic; Rector (Vacant); Sec. Herta Nittschalk; number of students (June 1964) 132; library of 200,000 vols. (Dir. Dr. A. Bauch).

Kirchliche Hochschule: Berlin-Zehlendorf, Heimat 27; f. 1935.
Rector: Prof. Dr. U. Wilckens.
Ephorus: Prof. Lic. theol. H. Kruska.
Number of teachers: 35.
Number of students: 318.

Kirchliche Hochschule: Wuppertal-Barmen, Missionstr. 9a-17; f. 1935; Evangelical; Rector Prof. Dr. W.-D. Marsch; Ephorus Prof. Dr. R. Bohren; Curator Pastor A. Falkenroth.

Lutherische Theologische Hochschule Oberursel: Oberursel im Taunus, Altkönigstrasse 50; Rector Prof. Dr. H. Kirsten.

Philosophische Hochschule bei St. Stephan in Augsburg: Augsburg, Gallusplatz 2; f. 1834.
Rector: Dr. J. Lettner.
Number of teachers: 10.
Number of students: 19.

Philosophisch - Theologische Hochschule: Bamberg, Jesuitenstr. 2; f. 1647–48.
Rector: Dr. J. Molitor.
Pro-Rector: Prof. Dr. A. Kolb.
Library of 450,000 vols.
Number of teachers: 34.
Number of students: 193, including 54 women.

Deans:
Faculty of Theology: Prof. Dr. G. Reinwald.
Faculty of Philosophy: Prof. DDr. H. Pfeil.

Philosophisch - Theologische Hochschule: Dillingen an der Donau; f. 1549.
Rector: Prof. Dr. B. Schöpf.
Pro-Rector: Prof. Dr. H. Lais.
Librarian: Dr. E. Fischer.
Library of *c.* 100,000 volumes.
Number of teachers: 13 Professors.
Number of students: 150.

Philosophisch - Theologische Hochschule: Fulda, Domplatz 5; f. 1748; number of teachers 11; students 102; Rector Prof. Dr. F. Scholz.

Philosophisch - Theologische Hochschule: Königstein im Taunus, Bischof-Kaller-Str. 3; Rector Prof. Dr. P. Wenzel.

Philosophisch - Theologische Hochschule: Paderborn, Kamp 6; f. 1615; Rector Prof. Dr. O. Schilling; Pro-Rector Prof. Dr. K. Honselmann; number of teachers 19; students 374; publ. *Theologie und Glaube* (6 per annum).

Philosophisch - Theologische Hochschule: Passau, Michaeligasse 13; f. 1622; Catholic; Rector Prof. Dr. J. Hanslmeier; Pro-Rector Prof. Dr. A. Winklhofer; number of teachers 24; students 206.

Philosophisch - Theologische Hochschule Freising: Freising, Oberbayern (Bavaria); f. 1834; Catholic; Pres. Dr. Joh. Ev. Michl; Deputy Pres. DDr. A. Gruber; number of teachers 22, including 16 Professors; 160 students.

Philosophisch - Theologische Hochschule Regensburg: Regensburg, Agidienplatz 2; f. 1589; Catholic; Rector Prof. Dr. E. Kammermeier; Pro-Rector Prof. Dr. J. Hommes; number of teachers 29.

Philosophisch - Theologische Hochschule Sankt Georgen: Frankfurt am Main-Süd 10, Offenbacher Landstr. 224; f. 1926 (since 1950 combined with Jesuit Theological Faculty, f. 1863); Rector Prof. Dr. iur. can. F. J. Schroll; Deans Prof. Dr. H. J. Wallraff, Prof. Dr. A. Grillmeier; Librarian Dr. H. Bacht; library of 300,000 vols.; 35 teachers, including 24 Professors; 290 students; publ. *Scholastik* (quarterly).

Theologische Fakultät Trier: Trier, Jesuitenstr. 13; f. 1950; Chancellor Dr. M. Wehr, Bishop of Trier; Rector Prof. Dr. B. Fischer; 13 Ordinary, 3 Extraordinary Professors; library of 120,000 vols.; 225 students.

Theologische Schule Bethel (Kirchliche Hochschule): Bethel bei Bielefeld; f. 1905 by Pastor von Bodelschwingh; the library contains 60,000 vols.

Director: Prof. Dr. Grzegorzewski.

Assistant Director: Prof. Dr. Schweitzer.

Number of teachers: 14, including 8 full Professors.

Number of students: 183 men, 25 women, total 208.

Publication: *Wort und Dienst-Jahrbuch der Theologischen Schule* (every 2 years).

Technical

Hochschule für Gesaltung: Ulm; f. 1950; financial and legal representative, Geschwister-Scholl Foundation; Dir. O. Aicher; Vice-Dir. T. Maldonado; 4-year courses in (1) design of industrial products and prefabricated building, and (2) design of visual and verbal means of communication; 150 students.

GERMAN DEMOCRATIC REPUBLIC

Population 17,135,867

ACADEMIES

Deutsche Akademie der Wissenschaften zu Berlin (*German Academy of Sciences*): 108 Berlin, Otto-Nuschke-Str. 22/23; f. 1700.

President: Prof. Dr. WERNER HARTKE.

Vice-Presidents: Prof. Dr. MAX STEENBECK, Prof. Dr. HERMAN KLARE, Prof. Dr. LEO STERN

Secretary-General: Prof. Dr. GÜNTHER RIENÄCKER.

Vice-Secretary-Generals: Prof. Dr. ROBERT ROMPE, Prof. Dr. HEINRICH GRELL.

Secretary, Mathematics, Physics and Technical Sciences Section: Prof. Dr. GUSTAV HERTZ.

Secretary, Chemistry, Geology and Biology Section: Prof. Dr. EDGAR LEHMANN.

Secretary, Mining, Metallurgy and Mining Geology Section: Prof. Dr. KARL-FRIEDRICH LÜDEMANN.

Secretary, Medicine Section: Prof. Dr. HELMUT KRAATZ.

Secretary, Languages, Literature and Arts Section: Prof. Dr. WALTER RUBEN.

Secretary, Philosophy, History, Political Sciences, Law and Economy Section: Prof. FRED OELSSNER.

Library: *see under* Libraries.

Publications: *Sitzungsberichte, Abhandlungen, Vorträge und Schriften, Jahrbuch, Monatsberichte, Deutsche Literaturzeitung, Forschungen und Fortschritte.*

Institutes and Institutions of the Academy:

Akademie-Archiv.
Akademie-Bibliothek.
Akademie-Verlag.
Akademie-Werkstätten für Forschungsbedarf.
Alexander-von-Humboldt-Kommission.
Arbeitsgruppe für Grundlagenforschung der Theorie der Teilchen und Felder.
Arbeitsstelle für Elektronenmikroskopie.
Arbeitsstelle für Geomechanik.
Arbeitsstelle für Geschichte der deutsch-slawischen Wissenschaftsbeziehungen.
Arbeitsstelle für imperialistische Ostforschung.
Arbeitsstelle für Infektionskrankheiten im Kindesalter.
Arbeitsstelle für kosmische Strahlung.
Arbeitsstelle für Kreislaufforschung.
Arbeitsstelle für Kunstgeschichte.
Arbeitsstelle für mathematische und angewandte Linguistik und automatische Übersetzung.
Arbeitsstelle für Paläobotanik.
Arbeitsstelle für Photochemie.
Arbeitsstelle für praktische Geologie.
Arbeitsstelle für Staats- und Rechtsfragen der sozialistischen Länder.
Arbeitsstelle für statistische Physik.
Arbeitsstelle strukturelle Grammatik.
Arbeitsstelle für Tieftemperaturphysik.
Arbeitsstelle für Völkerrecht.
Arbeitsstelle Wirtschaftsgeschichte.
Astrophysikalisches Observatorium Potsdam.
Forschungsinstitut für Aufbereitung.
Forschungsinstitut für metallische Spezialwerkstoffe.
Forschungsstelle Eisen und Stahl.
Forschungsstelle für experimentelle Chirurgie des Herzens und des Gefäss-Systems.
Forschungsstelle für experimentelle Onkologie.
Forschungsstelle für Komplexchemie.
Forschungsstelle für Limnologie.
Forschungsstelle für Messtechnik und Automatisierung.
Forschungsstelle für Physik hoher Energien.
Forschungsstelle für technische Gasentladungen.
Geodätisches Institut Potsdam.
Geomagnetisches Institut.
Geotektonisches Institut.
Heinrich-Hertz-Institut für Schwingungsforschung.
Institut für angewandte Isotopenforschung.
Institut für angewandte Mathematik und Mechanik.
Institut für angewandte Physik der Reinststoffe.
Institut für angewandte Radioaktivität.
Institut für angewandte Silikatforschung.
Institut für anorganische Chemie.
Institut für anorganische Katalyseforschung.
Institut für Biochemie.
Institut für Biochemie der Pflanzen.
Institut für Biophysik.
Institut für chemische Technologie der Plaste.
Institut für deutsche Sprache und Literatur.
Institut für deutsche Volkskunde.
Institut für Ernährung.
Institut für Faserstoff-Forschung
Institut für Fettchemie.
Institut für Gasentladungsphysik.
Institut fur Geodynamik.
Institut für Geschichte.
Institut für griechisch-römische Altertumskunde.
Institut für kortiko-viszerale Pathologie und Therapie.
Institut für Krebsforschung.
Institut für Kreislaufforschung.
Institut für Kristallphysik.
Institut für Kulturpflanzenforschung.
Institut für Kunststoffe.
Institut für magnetische Werkstoffe.
Institut für Magnetohydrodynamik.
Institut für maschinelle Rechentechnik.
Institut für Meereskunde.
Institut für Mikrobiologie und experimentelle Therapie.
Institut für Optik und Spektroskopie.
Institut für organische Chemie.
Institut für organische Katalyseforschung.
Institut für Orientforschung.
Institut für Pharmakologie.
Institut für Philosophie.
Institut für Physik und physikalische Chemie der Hochpolymeren.
Institut für physikalische Chemie.
Institut für physikalische Hydrographie.
Institut für Regelungs- und Steuerungstechnik.
Institut für reine Mathematik.
Institut für romanische Sprachen und Kultur.
Institut für Slawistik.
Institut für sorbische Volksforschung.

Institut für spezielle Probleme der theoretischen Physik.
Institut für stabile Isotope.
Institut für Strukturforschung.
Institut für Technologie der Fasern.
Institut für Verfahrenstechnik der organischen Chemie.
Institut für vergleichende Pathologie.
Institut für Vor- und Frühgeschichte.
Institut für Wirtschaftswissenschaften.
Institut für Zellphysiologie.
Karl-Schwarzschild-Observatorium.
Komitee für technische Hilfsmittel und maschinelle Informationsverarbeitung.
Kommission für deutsche Erziehungs-und Schulgeschichte.
Kommission für Heimatforschung.
Kommission der Historiker der DDR und der UdSSR.
Kommission zur Herausgabe der Werke von E.W.v. Tschirnhaus.
Kommission für Unterwasserforschung.
Leibniz-Kommission.
Monumenta Germaniae Historica.
Physikalisch-Technisches Institut. (I)
Physikalisch-Technisches Institut (II).
Physikalisch-Technisches Institut (III).
Sprachwissenschaftliche Kommission.
Sternwarte Babelsberg.
Sternwarte Sonneberg.
Wissenschaftliche Redaktion der Zentralblatter.
Zentralinstitut für Kernforschung.
Zoologische Forschungsstelle im Berliner Tierpark.

FELLOWS:

Section for Mathematics, Physics and Technical Sciences:

ALBRING, WERNER.
BOIE, WERNER.
DEBYE, PETER.
DEFANT, ALBERT.
EISENKOLB, FRIEDRICH.
ERTEL, HANS.
FRENZEL, WALTER.
FRÜHAUF, HANS.
GÖRLICH, PAUL.
GRELL, HEINRICH.
HASSE, HELMUT.
HEISENBERG, WERNER.
HERTZ, GUSTAV.
HOFFMEISTER, CUNO.
HÖLDER, ERNST.
HUND, FRIEDRICH.
JANTE, ALFRED.
KÄHLER, ERICH.
KIENLE, HANS.
LAUTER, ERNST AUGUST.
LICHTENHELDT, WILLIBALD.
LÖSCHE, ARTUR.
LUDIN, ADOLF.
MAURER, EDUARD.
NEUBER, HEINZ.
OBENAUS, FRITZ.
PAUER, WALTHER.
REICHARDT, HANS.
ROMPE, ROBERT.
SCHRÖDER, KURT.
SCHRÖTER, KARL.
STEENBECK, MAX.

Section for Chemistry, Geology and Biology:

BERTSCH, HEINRICH.
BEYER, HANS.
BUTENANDT, ADOLF.
CORRENS, ERICH.
DEUBEL, FRITZ.
DREFAHL, GÜNTHER.
FALKENHAGEN, HANS.
GERSCH, MANFRED.
GOTTSCHALDT, KURT.
HAHN, OTTO.
HEIN, FRANZ.
KAESTNER, ALFRED.
KLARE, HERMANN.
KLEBER, WILL.
KLINKOWSKI, MAXIMILIAN.
KNÖLL, HANS.
LANGENBECK, WOLFGANG.
LEHMANN, EDGAR.
LEIBNITZ, EBERHARD.
MEYER, KURT.
MOTHES, KURT.
MÜLLER, HANS JOACHIM.
MÜLLER-STOLL, WOLFGANG R.
NELLES, JOHANNES.
RAMDOHR, PAUL.
REINACKER, GÜNTER.
RIECHE, ALFRED.
RIEDEL, HANS-GÜNTER.
SCHIRMER, WOLFGANG.
SCHWABE, KURT.
STATHER, FRITZ.
STILLE, HANS.
STRESEMANN, ERWIN.
THIESSEN, PETER ADOLF.
THILO, ERICH.
TREIBS, WILHEIM.
WARBURG, OTTO HEINRICH.
WEISS, CARL FRIEDRICH.

Section for Mining, Metallurgy and Mining Geology:

ARNOLD, WALTER.
BILKENROTH, GEORG.
EMICKE, OTTO.
HÄRTIG, HELMUT.
KAUTZSCH, HANS.
KIRCHBERG, HELMUT.
KÖHLER, KARL.
LANGE, WERNER.
LISSNER, ANTON.
LÜDEMANN, KARL-FRIEDRICH.
MEISSER, OTTO.
RAMMLER, ERICH.
WATZNAUER, ADOLF.

Section for Medicine:

BREDT, HEINRICH.
BÜRGER. MAX.
FRIEDRICH, WALTER.
GIEZELT, FRITZ.
GOERTTLER, VIKTOR.
GRAFFI. ARNOLD.
GÜLZOW, MARTIN.
GUMMEL, HANS.
HAUSCHILD, FRITZ.
HOLTZ, PETER.
JUNG, FRIEDRICH.
KETTLER, LOUIS-HEINZ.
KRAATZ, HELMUT.
KUNTZEN, HEINRICH.
LOHMANN, KARL.
PEIPER, ALBRECHT.
PROKOP, OTTO.
REDETZKY, HERMANN.
REICHENBACH, ERWIN.
RÖHRER, HEINZ.
STUBBE, HANS.
WALDEYER, ANTON.

Section for Languages, Literature and the Arts:

BIELFELDT, HANS HOLM.
BLÜMEL, CARL.
EISSFELDT, OTTO.
FRINGS, THEODOR.
GRAPOW, HERMANN.
HAENISCH, ERICH.
HARTKE, WERNER.
HINTZE, FRITZ.
KLAFFENBACH, GÜNTHER.
KNEPLER, GEORG.
KRAUSS, WERNER.
KUHN, HANS.
LEHNERT, MARTIN.
MAGON, LEOPOLD.
NEUBERT, FRITZ.
PEEK, WERNER.
RAMMING, MARTIN.
RUBEN, WALTER.
SCHADEWALDT, WOLFGANG.
SCHIRMER, WALTER FRANZ.
STEINITZ, WOLFGANG.
WISSMANN, WILHELM.
ZUCKER, FRIEDRICH.

Section for Philosophy, History, Political Sciences, Law and Economy:

ALT, ROBERT.
BAETHGEN, FRIEDRICH.
BAUMGARTEN, ARTHUR.
BEHRENS, FRIEDRICH.
BLOHM, GEORG.
BRAUNREUTHER, KURT.
ENGELBERG, ERNST.
GELZER, MATTHIAS.
HARTUNG, FRITZ.
KLAUS, GEORG.
KLIX, FRIEDHART.
KOHLMEY, GUNTHER.
KOZIOLEK, HELMUT.
KUCZYNSKI, JÜRGEN.
MARKOV, WALTER.
MEISNER, HEINRICH OTTO.
OELSSNER, FRED.
REICKE, SIEGFRIED.
ROSENKRANZ, OTTO.
SANKE, HEINZ.
STERN, LEO.
UNVERZAGT, WILHELM.
WELSKOPF, LISELOTTE E. C.
WINTER, EDUARD.

Deutsche Akademie der Landwirtschaftswissenschaften zu Berlin: 108 Berlin, Krausenstrasse 38/39; organised in ten sections, each with its own secretary; 33 research units; library of 145,000 vols.; Pres. Prof. Dr. Dr. h.c. Dr. h.c. HANS STUBBE; Scientific Dir. Prof. Dr. ERWIN PLACHY; publs. *Sitzungsberichte, Berichte und Vorträge, Jahrbücher, Tagungsberichte, Wissenschaftliche Abhandlungen,* 11 Archives on Agricultural Economy, 6 Magazines, *Landwirtschaftliches Zentralblatt, Fortschrittsberichte, Literaturstudien, Informationen für Tierärzte, Landwirtschaftliche Informationen.*

Deutsche Akademie der Naturforscher Leopoldina (*Leopoldine German Academy of Researchers in Natural Sciences*): Halle/Saale, August-Bebel-Str. 50A; f. 1652 in Schweinfurt.

President: Prof. Dr. KURT MOTHES.

Vice-Presidents: Prof. Dr. WALTHER GERLACH, Prof. Dr. ERWIN REICHENBACH.

Director Ephemeridum: Prof. Dr. RUDOLPH ZAUNICK.

Secretaries, Medical Section: Prof. Dr. KARLHEINZ SOMMER, Prof. Dr. GUNTER BRUNS, Prof. Dr. JOACHIM-HERMANN SCHARF.

Secretaries, Natural Sciences Section: Prof. Dr. WILHELM MESSERSCHMIDT, Prof. Dr. RUDOLF KÄUBLER, PAUL GORLICH.

Number of members: 798

The library contains approx. 169.300 vols.

Publs. *Nova Acta Leopoldina* (*Neue Folge*), *Leopoldina, Lebensdarstellungen deutscher Naturforscher, Sudhoffs Klassiker der Medizin, Mitteilungen zur Geschichte der Medizin und der Naturwissenschaften, Acta historica Leopoldina.*

Sächsische Akademie der Wissenschaften zu Leipzig (*Saxon Academy of Sciences at Leipzig*): Leipzig C.1, Universitätsstrasse 3-5 Eg.; f. 1846.

President: Prof. Dr. THEODOR FRINGS.

Vice-Presidents: Prof. Dr. ANTON ARLAND, Prof. Dr. ERNST NEEF.

Secretary, Mathematics and Natural Science Section: Prof. Dr. ERNST NEEF.

Secretary, Philology and History Section: Prof. Dr. ERWIN JACOBI.

Number of members: 107; corresponding 23.

Publs. *Abhandlungen, Sitzungsberichte, Jahrbuch.*

Deutsche Akademie der Künste zu Berlin (*German Academy of Arts*): Berlin N.4, Robert Koch Platz 7; f. 1950; 120 members.

President: KONRAD WOLF.

Publs. *Sinn und Form, Mitteilungen.*

Deutsche Bauakademie (*German Academy of Building and Architecture*): Berlin N.4, Hannoversche Str. 30; Pres. Prof. Dipl.-Ing. KOSEL.

LEARNED SOCIETIES

Berliner Gesellschaft für klinische Medizin (*Berlin Society of Clinical Medicine*): Berlin N.4, Schumannstr. 21; Chair. Prof. Dr. med. habil. FRIEDRICH-HORST SCHULTZ.

Brennstofftechnische Gesellschaft in der DDR (*Fuel Technology*): Berlin W.8, Friedrichstrasse 73.

Chemische Gesellschaft in der DDR: 108 Berlin, Clara-Zetkin-Strasse 105.

Deutsche Gesellschaft für Geologische Wissenschaften: 104 Berlin, Invalidenstr. 44; f. 1954; 1,179 mems.; Pres. Prof. Dr. habil. ROBERT LAUTERBACH; Sec. Dipl. Min. JOACHIM LAMPRECHT; publs. *Berichte der Geologischen Gesellschaft in der DDR* (6 a year), *Geologie* (10 a year), *Paläontologische Abhandlungen.*

Geographische Gesellschaft der DDR: 701 Leipzig 1, Georgi-Dimitroff-Platz 1.

Gesellschaft Deutscher Berg- und Hüttenleute (*Miners and Foundrymen*): 102 Berlin, Wallstr. 68; f. 1955; affiliated to the German Academy of Sciences; 700 mems.; Pres. Prof. Dipl.-Ing. HANS JENDERSIE; Dir. Dr.-Ing. HUGO BARTH; publs. *Bergakademie, Neue Hütte.*

Goethe Gesellschaft in Weimar: Hans Wahlstr. 4; Pres. Prof. Dr. A. B. WACHSMUTH.

Meteorologische Gesellschaft in der DDR: Potsdam, Alfred-Wegener-Haus, Luckenwalder Strasse 42/46; f. 1957; 200 mems.; Pres. Prof. Dr. A. MÄDE; Sec. Dr. W. BÖER; publs. *Zeitschrift für Meteorologie, Angewandte Meteorologie.*

Physikalische Gesellschaft in der DDR: 108 Berlin, Am Kupfergraben 7.

RESEARCH INSTITUTES

Deutsches Institut für Länderkunde (*Geography*): 701 Leipzig, Georgi-Dimitroff-Platz 1; f. 1892; Dir. Prof. Dr. Dr. h.c. EDGAR LEHMANN; publ. *Wissenschaftliche Veröffentlichungen des Deutschen Instituts für Länderkunde.*

Meteorologischer Dienst der Deutschen Demokratischen Republik: Potsdam, Luckenwalderstr. 42-46, Alfred-Wegener-Haus (successor to the Meteorologisches Zentralobservatorium, Potsdam; f. 1892); Dir. Dr. W. ORTMEYER; affiliates meteorological observatories and institutes including: Meteorologisches Hauptobservatorium, Potsdam (with central library of *c.* 25,000 vols.); Hauptamt für Klimatologie, Potsdam; Amter für Meteorologie Schwerin, Halle, Dresden und Weimar; Instrumentenamt, Potsdam; Forschungsinstitut für Hydrometeorologie, Berlin; Forschungsinstitut für Agrarmeteorologie, Halle; Forschungsinstitut für Bioklimatologie, Berlin; Zentrale Wetterdienststelle, Potsdam; Mitteldeutsche Wetterdienststelle, Leipzig; Seewetterdienststelle, Warnemünde, Flugwetterwarte, Berlin-Schönefeld; observatories at Wahnsdorf, Kühlungsborn and Lindenberg; Institut für Grosswetterforschung; publs. *Deutsches Meteorologisches Jahrbuch, Abhandlungen, Veröffentlichungen.*

Staatliche Geologische Kommission: Berlin, N.4, Invalidenstrasse 44; f. 1950; publs. *Geologie* (eight times a year), *Zeitschrift für angewandte Geologie* (monthly).

Ministerrat der Deutschen Demokratischen Republik Staatliche Zentralverwaltung fur Statistik (*The Council of the Ministers of the German Democratic Republic*): 1018 Berlin, Storkower Str. 160; Dir. Prof. Dr. A. DONDA; publs. *Statistische Praxis* (monthly), *Statistisches Jahrbuch der DDR* (annual), *Statistisches Taschenbuch* (annual, in German, Russian, English, French, Spanish), *Schriftenreihe der Statistischen Praxis* (4 issues so far).

Zentralinstitut für Kernforschung (*Central Institute for Nuclear Research*): 8501 Dresden, Postfach 19; f. 1955; Dir. Prof. Dr.-Ing. HELMUTH FAULSTICH; research reactor 2,000 kw., cyclotron 120 cm. diameter (argonaut-type zero power).

ASTRONOMICAL OBSERVATORIES

Astrophysikalisches Observatorium der Deutschen Akademie der Wissenschaften zu Berlin: Potsdam, Telegraphenberg; f. 1874; Dir. Prof. Dr. J. WEMPE; publs. *Mitteilungen, Publikationen des Astrophysikalischen Observatoriums.*

Sternwarte der Deutschen Akademie der Wissenschaften: Sonneberg, Thuringia; f. 1925; 33 mems.; library of 10,000 vols.; Dir. Prof. Dr. C. HOFFMEISTER; publs. *Veröffentlichungen der Sternwarte Sonneberg, Sonneberger Mitteilungen, Mitteilungen über Veränderliche Sterne.*

Sternwarte Babelsberg der Deutschen Akademie der Wissenschaften zu Berlin: Potsdam-Babelsberg, Rosa-Luxemburg-Strasse 17a; f. 1700; 56 mems.; Prof. Dr. J. HOPPE.

Universitäts-Sternwarte und Astrophysikalisches Institut: Jena, Schillergässchen 2; Dir. Prof. Dr. H. LAMBRECHT.

LIBRARIES AND ARCHIVES

BERLIN

Berliner Stadtbibliothek: C.2, Breitestrasse 37; f. 1900; 800,000 vols.; Dir. HEINZ WERNER.

Bibliothek der Deutschen Akademie der Wissenschaften: 108, Unter den Linden 8; 132,658 vols.; Academic Council Rep. Prof. Dr. H. GRAPOW; Dir. (Komm.) BRIGITTE MILLIK.

Bibliothek der Landwirtschaftlich-Gärtnerischen Fakultät: Humboldt-Universität, Invalidenstr. 42, N.4; f. 1881; contains 58,000 out of a former 104,000 vols. on agriculture, gardening, fishing and all aspects of cultivation, general and natural science, philosophy and sociology; Chief Librarian EVA MARIA ARDELT.

Bibliothek des Obersten Gerichts der Deutschen Demokratischen Republik: N.4, Scharnhorststrasse 35; f. 1879; contains 300,000 vols.; Chair. U. GERICKE.

Deutsche Staatsbibliothek (originally Preussische Staatsbibliothek): 108, Unter den Linden 8; f. 1661; depts. for reference, acquisition, cataloguing, lending; music, MSS., incunabula and portraits, oriental, cartographical sections; Dir.-Gen. Prof. Dr. HORST KUNZE; Deputy Dirs. L. EINICKE, W. DUBE; publs. *Gesamtverzeichnis äuslandischer Zeitschriften (GAZ)*, *Jahresbericht der Deutschen Staatsbibliothek*, *Zeitschriftenbestandsverzeichnisse*.

Pädagogische Zentralbibliothek-Deutsche Lehrerbücherei: 1020 Berlin, Alexanderplatz, Haus des Lehrers; f. 1876, reorganised 1950; 330,000 vols.; Dir. Prof. LEO REGENER.

Universitätsbibliothek: W.8, Clara-Zetkin-Str. 27; f. 1831; library of the Humboldt University; 1,748,605 vols.; Dir. Dr. OSKAR TYSZKO.

Zentralbibliothek im Hause der Ministerien: W.1, Leipziger Strasse 5-7; 180,000 vols.; Dir. A. PRITZBUER.

Zentralbibliothek der Staatlichen Museen zu Berlin: C.2, Bodestrasse 1-3; f. 1830; *c.* 93,000 vols.; Dir. KURT SCHIFNER.

DESSAU

Universitäts- und Landesbibliothek Sachsen- Anhalt, Zweigstelle Dessau: Mariannenstr. 34; f. 1922; 105,000 vols., 109 incunabula, 503 MSS, 396 autographs; Dir. Prof. Dr. ERHARD SELBMANN; Branch Dir. MARGARETE HUCK.

DRESDEN

Bibliothek der Hochschule für Verkehrswesen "Friedrich List": 108, Friedrich-List-Platz 1; f. 1952; 108,862 vols.; Dir. Dr. CHARLOTTE BODEN.

Bibliothek der Technischen Universität: Mommsenstr. 11; houses complete collections of the standards of the German Democratic Republic, the German Standards Committee and a set of Russian standards in German; Dir. WERNER DUX.

Sächsische Landesbibliothek: N.15, Marienallee 12; f. 1556; contains about 850,000 vols.; Dir. Dr. BURGHARD BURGEMEISTER.

Staatsarchiv Dresden: Archivstr. 14; f. 1834; Dir. Dr. HORST SCHLECHTE.

Stadt- und Bezirksbibliothek: Elsa-Fenske Str. 11; f. 1910; 349,000 vols.; Dir. Dr. HELMUT HAHNEWALD.

ERFURT

Stadt- und Bezirksbibliothek: Jurij-Gagarin Str. 114; 131,000 vols.; Dir. KURT KAMPE.

Wissenschaftliche Bibliothek: Michaelisstr. 39; f. 1407; 280,233 vols., 1,514 MSS., 616 incunabula; Chief Librarian STROBEL.

FREIBERG I. SA.

Bücherei der Bergakademie: Nonnengasse 22; f. 1765; 154,571 vols.; Dir. WALTER SCHELLHAS.

GOTHA

Landesbibliothek Gotha: Schloss Friedenstein; f. 1647; contains 479,936 vols., 8,814 MSS.; Dir. MAX FRANK.

GREIFSWALD

Universitätsbibliothek: Rubenowstr. 4; f. 1604; 1,123,400 vols., including 555,055 theses, 2,081 autographs, 300 incunabula; Dir. (Komm.) ARWED BOUVIER.

HALLE

Bibliothek der Deutschen Akademie der Naturforscher: 401, August-Bebelstr. 50A; f. 1731; 169,300 vols., 15,300 theses; Dir. REGINA HAASE.

Bibliothek der Deutschen Morgenländischen Gesellschaft: Emil-Abderhalden-Str. 9; f. 1845; contains about 41,000 vols., 350 MSS.; Dir. Prof. Dr. SELBMANN.

Universitäts- und Landesbibliothek Sachsen-Anhalt: August-Bebelstr. 13 and 50; f. 1696; contains 1,993,000 vols., 370,000 theses; Ponickau collection on Thuringian and Saxon history and folklore; Dir. Prof. Dr. ERHARD SELBMANN.

ILMENAU

Bibliothek der Technischen Hochschule Ilmenau: Strasse der Jungen Techniker 21; f. 1953; 125,000 vols., 1,250 periodicals; publ. *Wissenschaftliche Zeitschrift* (quarterly), *Neuwerbungsliste* (monthly).

JENA

Universitätsbibliothek: Goethe-Allee 6; f. 1558; contains 1,397,162 vols., 544,983 pamphlets, 4,296 manuscripts; Dir. Dr. ANNEMARIE HILLE.

KARL-MARX-STADT

Bibliothek der Technischen Hochschule: Strasse der Nationen 62; f. 1836; 165,000 vols.; Dir. D. SCHEFFEL.

Stadt- und Bezirksbibliothek: Haus am Schillerplatz; 235,000 vols.; Dir. WOLFGANG SCHIEFER.

LEIPZIG

Comenius-Bücherei (Pädagogische Zentralbibliothek): Schenkendorfstr. 34; f. 1871; 240,000 vols.; Head J. LANGER.

Deutsche Bücherei: C.1, Deutscher Platz; f. 1912; 3,200,000 vols.; Dir. H. ROETZSCH; Deputy Dir. G. HESSE; Accession (Dr. H. LOHSE), Bibliographies (Dr. G. POMASSL), Catalogues (H. HOEHNE), Reference (Dr. F. SCHAAF), Lending (H. WENKEL), Deutsches Buch- und Schriftmuseum (Dr. F. FUNKE); publs. *Deutsche Nationalbibliographie*, *Deutsche Musikbibliographie*, *Bibliographie der Kunstblätter*, *Bibliographie der Übersetzungen deutschsprachiger Werke*, *Bibliographie der fremdsprachigen Werke über Deutschland und Persönlichkeiten des deutschen Sprachgebietes*, *Jahresverzeichnis des deutschen Schrifttums*, *Jahresverzeichnis der deutschen Musikalien und Musikschriften*, *Jahresverzeichnis der deutschen Hochschulschriften*, *Deutsches Bücherverzeichnis*, *Bibliographie der versteckten Bibliographien*, *Bibliographie der deutschen Bibliographien*, *Sonderbibliographien der Deutschen Bücherei*, *Bulletin wichtiger Literatur-Zusammenstellungen*, *Bibliographischer Informationsdienst "Bibliothekswesen"*; Collaborating in: *Jahresberichte für deutsche Geschichte*, *Internationale Bibliographie der Geschichtswissenschaft*, *International Bibliography of Social and Cultural Anthropology*.

Deutsches Institut fur Länderkunde, Abteilung Geographische Zentral-bibliothek: 701, Georgi-Dimitroff-Platz 1; f. 1904; 144,000 vols.; Chief Librarian Dr. ROOB.

Musikbibliothek der Stadt Leipzig (formerly Musikbibliothek Peters and Städt Musiksammlungen): Ferdinand-Lassalle-str. 21; f. 1894; 76,000 vols.; Dir. HERTA SCHETELICH.

Stadt- und Bezirksbibliothek Leipzig: Leipzig C.1, Markt 8; f. 1677; Head GEORG ANDERS.

Stadtarchiv: Stadthaus, Burgplatz 1; f. about 1100; Dir. Dr. MANFRED UNGER.

Universitätsbibliothek Leipzig (Bibliotheca Albertina): Beethovenstrasse 6; f. 1543; approx. 1,800,000 vols.; Dir. Dr. JOHANNES MÜLLER.

MAGDEBURG

Stadt- und Bezirksbibliothek: Weitlingstr. 1A; f. 1525; 115,000 vols.; Dir. MARTIN WIEHLE.

Landeshauptarchiv Sachsen-Anhalt: Hegel Str. 25; 25,000 maps; 38,000 vols. in library; Dir. Dr. H. GRINGMUTH-DALLMER.

MEININGEN

Max-Reger-Archiv: Schloss Elisabethenburg; 1947 moved to Meiningen from Weimar; special department of the Staatliche Museum, Meiningen; musical history, MSS., collection of instruments; Dir. HELMUT MÜLLER.

POTSDAM

Bibliothek der Deutschen Akademie für Staats- und Rechtswissenschaft "Walter Ulbricht": Babelsberg 2; f. 1948; 320,000 vols.; Chief Librarian KURT GRÄBIG.

Brandenburgisches Landeshauptarchiv: Sansouci-Orangerie; 25,000 vols. in library; Dir. Dr. FRIEDRICH BECK.

Brandenburgische Landes- und Hochschulbibliothek: Dortustrasse 30/34; 250,000 vols.; pedagogical, Brandenburg collections, writings of Theodor Fontane; Dir. Dr. H. BRANDES.

Deutsches Zentralarchiv in der Deutschen Demokratischen Republik: Berliner Strasse 98-101; f. 1946; Dir. Dr. HELMUT LÖTZKE.

Stadt- und Bezirksbibliothek: Jägerallee 2; 86,000 vols.; Dir. HERBERT ROSS.

ROSTOCK

Universitätsbibliothek: Universitätsplatz 5; f. 1569; 960,000 vols., 4,239 MSS., 725 incunabula; Dir. ALFRED EBERLEIN.

SCHWERIN I. MECKL

Mecklenburgische Landesbibliothek: Am. Dom 2; f. 1779; formerly Regierungsbibliothek; 400,000 vols.; Dir. Dipl. GEWI MEIRITZ.

WEIMAR

Thüringische Landesbibliothek: Platz d. Demokratie 1; f. 1691; 580,000 vols.; Dir. WERNER SCHMIDT.

Thüringisches Landeshauptarchiv: Beethovenplatz 3; f. 1547; maintains branches in Gotha, Greiz, Meiningen and Rudolstadt; Dir. Dr. HANS EBERHARDT.

MUSEUMS AND ART GALLERIES

BERLIN

Staatliche Museen zu Berlin: C.2, Bodestrasse 1/3; f. 1830; Gen. Dir. Prof. Dr. GERHARD MEYER; supervises the following museums and collections:

- **National-Galerie:** C.2, Bodestrasse 1/3; f. 1876; paintings and sketches from the end of the 18th century to the present day; Curators Dr. VERA-MARIA RUTHENBERG, Dr. LISELOTTE ZINSERLING.
  - **Vorderasiatisches Museum:** Dir. Prof. Dr. GERHARD MEYER.
  - **Islamisches Museum:** Curator (Vacant).
  - **Antiken-Sammlung:** Dir. Dr. ELISABETH ROHDE.
  - **Ostasiatische Sammlung:** Dir. BRUNO VOIGT.
  - **Museum für Volkskunde:** Dir. Dr. STEINMANN.
  - **Museums-Bibliothek:** Dir. KURT SCHIFNER.
  - **Ägyptisches Museum:** Dir. (Komm.) Dr. WOLFGANG MÜLLER.
  - **Frühchristlich-Byzantinische Sammlung:** Curator (Komm.) Dr. EDITH FRÜNDT.
  - **Skulpturen-Sammlung:** Curator Dr. EDITH FRÜNDT.
  - **Gemälde- Galerie:** Curator (Vacant).
  - **Kupferstich-Kabinett:** Dir. Dr. WERNER TIMM.
  - **Münzkabinett:** Dir. Prof. Dr. ARTHUR SUHLE.
- **Kunstgewerbe-Museum:** Schloss Köpenick; Dir. Dr. GUNTER SCHADE.
  - **Museum für Ur- und Frühgeschichte:** Dir. WERNER MÜLLER.

Märkisches Museum kultur-historisches Museum der Stadt Berlin: Am Köllnischen Park 5, C.2; f. 1874; illustrates history of Berlin, its culture and its art; Dir. Dr. ERIK HÜHNS.

Museum für deutsche Geschichte: 108, Unter den Linden 2; Dir. Prof. Dr. WALTER NIMTZ.

Museum für Naturkunde der Humboldt-Universität, Berlin (*Natural History Museum*): N.4, Invalidenstr. 43; f. 1883. The Museum comprises the following institutions.

- **Institut für Paläontologie und Museum der Humboldt-Universität zu Berlin** (*Palæontological Institute and Museum of the University of Berlin*): 104 Berlin 4, Invalidenstr. 43; f. 1810; provides academic instruction in geology and palæontology; has a library of 30,000 vols.; Dir. Prof. Dr. RUDOLF DABER; Curators Dr. H. JAEGER, Dr. K. DIEBEL.
- **Institut für Mineralogie der Humboldt-Universität zu Berlin** (*Mineralogical Institute and Museum of Berlin University*): 104 Berlin 4, Invalidenstr. 43; f. 1783 as Royal Prussian Institute of Minerals; has collections of minerals and specimens of ore deposits; 5,200 vols. in library; Dir. Prof. Dr. W. KLEBER; Curator G. WAPPLER.
- **Institut für Spezielle Zoologie und Zoologisches Museum der Humboldt-Universität, Berlin** (*Institute for Systematic Zoology and Zoological Museum of the University of Berlin*): f. 1810; research and instruction; library of *c.* 250,000 vols.; Dir. Prof. Dr. K. SENGLAUB; Librarian K. GLÄSKE; publs. *Mitteilungen aus dem Zoologischen Museum in Berlin, Deutsche Entomologische Zeitschrift.*

DRESDEN

Museumskombinat der Dresdener Wiss. Museen: A 1, Augustusstr. 2; Dir.-Gen. Dr. WILHELM GÖTZ.

- **Staatl. Mathematisch-Physikalischer Salon:** Dresden, Zwinger; Dir. Dipl. Ing. GRÖTZSCH.
- **Staatl. Museum für Mineralogie und Geologie:** A 1 Augustusstr. 2; Dir. Dr. PRESCHER.
- **Staatl. Museum für Tierkunde:** Dresden, Augustusstr. 2; Dir. Dr. GÖTZ.

Landesmuseum für Vorgeschichte: N.6, Japanisches Palais; Dir. Dr. COBLENZ.

Staatl. Museum für Völkerkunde: N 6, Japanisches Palais; Dir. Dr. WOLF.

Museum für Photographie: A 21, Lewickistr. 14; Dir. Dr. HAHN.

Staatliche Kunstsammlungen Dresden: Head Office: Dresden, A 1, Georg-Treu-Platz 2, Albertinum; Gen. Dir. Prof. MAX SEYDEWITZ; comprises:

Museumspädagogik und Kulterelle Massenarbeit: Dresden A.1, Zwinger; Dir. Dr. phil. habil. CHRISTIAN EMMRICH.

Gemäldegalerie Alte Meister: Dresden A 1, Semperbau Zwinger; Dir. Dr. HENNER MENZ.

Gemäldegalerie Neue Meister: Dresden N 57, Schloss Pillnitz; Dir. JOACHIM UHLITZSCH.

Kupferstichkabinett: Dresden A 16, Güntzstrasse 34; Dir. Dipl. phil. WERNER SCHMIDT.

Skulpturensammlung: Dresden A 1, Georg-Treu-Platz 2; Dir. Dipl. phil. MARTIN RAUMSCHÜSSEL.

Grünes Gewölbe: Dresden A 1, Georg-Treu-Platz 2, Dir. Dr. JOACHIM MENZHAUSEN.

Porzellansammlung: Dresden A 1, Zwinger, Sophienstrasse; Dir. Dipl. phil. INGELORE MENZHAUSEN.

Historisches Museum: Dresden A 1, Semperbau/Osthalle; Dir. Dipl. phil. JOHANNES SCHÖBEL.

Münzkabinett: Dresden A 1, Georg-Treu-Platz 2; Dir. FRANZ ZAPF.

Museum für Kunsthandwerk: Dresden N 57, Schloss Pillnitz, Wasserpalais; komm. Dir. GERDA WEINHOLTZ.

Zentrale Kunstbibliothek: Dresden A 16, Güntzstrasse 34; Dir. KÄTHE NEUMANN.

Abgusswerkstatt: Dresden A 1, Georg-Treu-Platz 2.

Barockmuseum: Schloss Moritzburg bei Dresden.

Schloss Weesenstein: Müglitztal, Kreis Pirna; 18th- and 19th-century rooms.

Museum fór Stadtgeschichte (*Museum of Municipal History*): 801 Dresden A 1, Ernst-Thälmann-Str. 2A; Dir. RUDOLF FORSTER; Section 1 (Town History), N 15, Dr.-Kurt-Fischer-Platz 3; Section 2 (History of Dresden Workers' Movement), A 1, Friesengasse 2; the Carl-Maria-von-Weber-Gedächtnisstätte, the J.I. Kraszewski-Haus, the Martin-Andersen-Nexö-Gedenkstätte and the Schiller-Haus are also attached to this Museum.

Verkehrsmuseum (*Museum of Transport*): 801 Dresden, Augustusstrasse 1; Dir. Prof. Dr. ELFRIEDE REHBEIN.

GOTHA

Heimatmuseum: Schloss Friedenstein; Dir. Dr. H. MOTSCHMANN.

Naturkundemuseum: Parkallee 15; f. 1650; Dir. Dr. HERBERT MOTSCHMANN.

Schlossmuseum Gotha: Schloss Friedenstein; art collection, coin collection, furnished rooms; Dir. Frau GREINER-KÜHNE.

HALLE

Landesmuseum für Vorgeschichte (*Prehistory Museum*): Richard-Wagnerstr. 9/10; f. 1823; pre- and medieval history; library of 19,000 vols.; Dir. Dr. HERMANN BEHRENS; publs. *Jahresschrift für mitteldeutsche Vorgeschichte* (annual), *Veröffentlichungen des Landesmuseums für Vorgeschichte.*

JENA

Goethezimmer im Goethehaus des Botanischen Gartens: Goetheallee 26; f. 1921; Admin. Friedrich-Schiller-University.

Schillers Gartenhaus mit Schillermuseum: Schillergässchen 2; property of Friedrich-Schiller-Univ., used by Univ. Meteorological Institute.

Stadtmuseum Jena: Museale Ausstellungen: Griesbachgarten; Dir. MARIA SCHMID.

LEIPZIG

Deutsches Buch- und Schriftmuseum der Deutschen Bücherei (*German Book Museum*): Deutscher Platz; f. 1884; exhibits relate to history of books, writing, and paper; library of *c.* 50,000 vols.; Dir. Dr. FRITZ FUNKE.

Deutsches Institut für Länderkunde: 701 Leipzig, Georgi-Dimitroff-Platz 1; f. 1892; geographical museum and library of 144,000 vols.; Dir. Prof. Dr. Dr. h.c. EDGAR LEHMANN.

Georgi-Dimitroff-Museum: 701, Georgi-Dimitroff-Platz 1; f. 1952; Dr. HANS-JOACHIM BERNARD.

Museum der bildenden Künste: Georgi-Dimitroff-Platz 1; f. 1837; Dir. Prof. Dr. JOHANNES JAHN; Curator Dr. SUSANNE HEILAND.

Museum für Völkerkunde Leipzig (*Ethnographical Museum*): Täubchenweg 2; f. 1869; ethnographical collections from Asia, Indonesia, Pacific Islands, Africa, America, Europe; library of 38,000 vols.; Dir. Prof. Dr. HANS DAMM; Keepers Dr. habil. DROST, Dr. BÖTTGER, Dipl.-ethn, STEIN, Dipl.-ethn, DRÄGER, Dr. KÖNIG, Dipl.-ethn. HARTWIG, Dipl. ethn. STINGL, Dipl. ethn. GÖBEL, Dipl. lib. LANGE, Dipl. ethn. GERMER; publs. *Jahrbuch* (Year Book), *Veröffentlichungen* (Publications) *Führer, Mitteilungen.*

Museum für Geschichte der Stadt Leipzig: Altes Rathaus, C.1, Markt 1; f. 1911; Dir. Dr. HEINZ FÜSSLER.

Städtisches Museum des Kunsthandwerks Leipzig (*Municipal Museum of Industrial Art*): Johannisplatz; f. 1874; textiles, ceramics, glass, wood, and metal objects; collection of etchings and woodcuts relating to ornament (*c.* 1,100 prints); library of 22,000 vols.; Dir. Dr. FRITZ KÄMPFER; Keeper Dr. ANNELIESE HANISCH.

MAGDEBURG

Kulturhistorisches Museum: Otto von Guerickestr. 68–73; f. 1892; art gallery, sculptures, handicrafts, graphics, costumes, sociology, natural history and prehistory collection and technological museum; publs. *Abhandlungen und Berichte Naturkunde und Vorgeschichte.*

POTSDAM

Museum für Ur-und Frühgeschichte: Forschungsstelle für die Bezirke Potsdam, Frankfurt/O. und Cottbus, Potsdam-Babelsberg, Schloss Babelsberg; f. 1953; Dir. Dr. B. GRAMSCH.

SCHWERIN

Museum für Ur-und Frühgeschichte: Alter Garten; Dir. Dr. EWALD SCHULDT.

STRALSUND

Kulturhistorisches Museum Stralsund: Mönchstr. 25–27; f. 1858; prehistory, ecclesiastical art, folklore, local history, furniture, history of navigation, modern art, handicrafts, 18th-century products; Dir. WILLI NITSCHKE.

WEIMAR

Museum für Ur- und Frühgeschichte Thüringens in Weimar: Humboldtstr. 11; f. 1888; Curator Prof. Dr. GÜNTER BEHM-BLANCKE; publ. *Jahresschrift "Alt-Thüringen", Monographienreihe.*

Nationale Forschungs- und Gedenkstätten der klassischen deutschen Literatur in Weimar: Am Burgplatz 4; Dir. Prof. HELMUT HOLTZHAUER; directs the following:

Goethe-und Schiller-Archiv: Hans-Wahl-Str. 4.

Goethe-Nationalmuseum: Goethehaus; Goethes Gartenhaus; Schillerhaus; Kirms-Krackow-Haus, Jakobstr. 10; Wittumspalais; Goethe- und Schiller-Gruft; Schloss Tiefurt; Schloss Belvedere; Dornburger Schlösser; Schloss Gross-Kochberg; Jagdhaus Gabelbach; Goethehaus Stützerbach.

Institut für deutsche Literatur: Am Burgplatz 4.

Museum der deutschen Literatur: Am Burgplatz 4.

Zentralbibliothek der deutschen Klassik: Am Burgplatz 4.

Staatliche Kunstsammlungen: Schlossmuseum am Burgplatz; f. 1809 by Goethe; Dir. Dr. WALTHER SCHEIDIG; comprises: (1) Schlossmuseum; (2) Graphische Sammlung; (3) Kunstbibliothek; (4) Rokokomuseum Belvedere; (5) Münzkabinett.

WITTENBERG

Lutherhalle, Reformationsgeschichtliches Museum (*History of the Reformation Museum*): Lutherstadt; f. 1883; portraits, MSS., pictures, woodcuts, copperplates, medallions and original works on the history of the Reformation; library of *c.* 13,000 vols.; Dir. Prof. D. Dr. OSKAR THULIN.

UNIVERSITIES

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UNTER DEN LINDEN 6
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Librarian: Dr. O. TYSZKO.

Number of teachers: 1,654.
Number of students: 12,487.
Publications: *Personal- und Vorlesungs-Verzeichnis, Wissenschaftliche Zeitschrift der Humboldt-Universität zu Berlin.*

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LANDSBERG, R., Physical Chemistry
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Librarian: Dr. J. HALPERN.

Library of 1,060,000 volumes.

Number of teachers: 131, including 46 Ordinary Professors.

Number of students: 3,070.

Publications: *Wissenschaftliche Zeitschrift der Ernst Moritz Arndt-Universität Greifswald, Gesellschafts- und sprachwissenschaftliche Reihe und Mathematisch-Naturwissenschaftliche Reihe* (12 issues a year).

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SOMMER, K., Gynæcology
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WEINGÄRTNER, L., Children's Diseases
ZUCKERMANN, R., Cardiology

FRIEDRICH-SCHILLER-UNIVERSITÄT

JENA, GOETHALLEE 1

Telephone: Jena 7122.

Founded 1558.

Rector: Prof. Dr. G. DREFAHL.

Pro-Rectors: Dr. G. RIEGE, Prof. Dr. F. BÖLCK, Prof. Dr. H. KORCH, Dr. W. SCHRÖDER.

Number of teachers: 340, including 86 professors.
Number of students: 4,316 full-time, 267 in Workers' and Peasants' Faculty.

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Faculty of Law: Prof. Dr. M. POSCH.
Faculty of Theology: Prof. R. MEYER.
Faculty of Medicine: Prof. Dr. ROSEMARIE ALBRECHT.
Faculty of Mathematics and Natural Sciences: Prof. Dr. H. LAMBRECHT.
Faculty of Agriculture: Prof. Dr. B. MÄRTIN.
Faculty of Workers and Peasants: H. KESSLER (*Director*).

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BEHM BLANCKE, G., Prehistory and Protohistory
DORST, W., Systematic Education
FRICKE, D., Recent and Modern History
HAUSCHILD, R., Philology and Indo-Germanic Studies
HERZ, H., General Modern History
HIEBSCH, H., Psychology
JÜNGER, H., Slav Culture
KAUFMANN, H., Recent German Literature
KLOHR, O., Dialectical and Historical Materialism
KÜHNERT, F., Ancient History
MENDE, G., Philosophy
METTKE, H., German and Germanic Philology
MÜLLER, J., German Culture
NEUMANN, G., Ancient History
PÄTSCH, GERTRUD, Linguistics
PEUKERT, H., Slavonic Philology
SCHMIDT, G., Political Economy
SCHMIED, R. F., Modern German and General History
SCHÖNFELDER, K.-H., Anglo-American Culture
SPITZBARDT, H., General Linguistics
ZINSERLING, G., Art History

Faculty of Law:
BUCHDA, G., German and Commercial Law
POSCH, M., Commercial and Civil Law, Penal Law

Faculty of Theology:
BEINTKER, H., Systematic Theology
FRITZSCHE, H.-G., Systematic Theology
HERTZSCH, E., Practical Theology
JURSCH, HANNA, Church History
LOHMANN, T., General Religious History
MEYER, R., Old Testament Theology
PÄLTZ, E., Church History
WEISE, M., New Testament

Faculty of Medicine:
ALBRECHT, ROSEMARIE, Oto-Rhino-Laryngology
ANKERMANN, H., Pharmacology
ARNDT, J., Radiology and X-Rays
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MORENZ, S., Egyptology
MÜLLER, J., Knowledge of Science
NEUBERT, A., English Philology

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WILLERT, P., Music History
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BUDZISLAWSKI, H., History of Journalism
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RÖDEL, W., Radio and TV. Journalism

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WEICHSEL, GERTRUD, Botany

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ENZMANN, J., Soil Improvement
FROHLICH, G., Phytopathology, Parasitology
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QUAAS, R., Storage and Silage
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POLAK, K., Public and Common Law
SUCH, H., Civil Law
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DORN, P., Economics of Capital Goods Trade
FABIUNKE, Economic History
GRUNDKE, Commodities
HEINZE, A., Political Economy
HENNIG, G., Accountancy
HOFMANN, G., Technology
LOS, R., Law
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SCHMIDT, J., Industrial Economics
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HAUFE, C., New Testament
LAU, F., Church History
WAGNER, H., Practical Theology
WIESNER, K., Systematic Theology

Faculty of Medicine:
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ARESIN, N., Gynæcology and Obstetrics
BEIER, W., Biophysics
BERTOLINI, R., Anatomy
BETHMANN, W., Dentistry
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BRAUN, H., Dermatology
DRISCHEL, H., Physiology
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EMMRICH, R., Internal Medicine
FEUDELL, P., Internal Medicine
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HERBST, M., Surgery
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MERREM, G., Neurosurgery
MOSER, F., Ear, Nose and Throat
OELSSNER, W., Radiology
OTTO, W., Internal Medicine
PERLICK, E,, Internal Medicine
PETZOLD, H., Internal Medicine
RIES, W., Internal Medicine
SACHSENWEGER, R., Ophthalmology
STRACK, E., Physio-Chemistry
TOSETTI, K., Gynæcology, Obstetrics
TRENKMANN, H., Internal Medicine
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UBERMUTH, H., Surgery
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WILDFÜHR, G., Hygiene and Bacteriology
WÜNSCHER, W., Psychiatry and Neurology

Faculty of Veterinary Medicine:
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CHRISTOPH, J., Surgery
HENSEL, H., General Agricultural Science
HÜSSEL, L., Veterinary Hygiene
KETZ, H. A., Veterinary Physiology
KOLB, E., Veterinary Physio-Chemistry
KRAHNERT, R., Fur-bearing Animals
LEISTNER, W., Veterinary Food Hygienics
NEUNDORF, R., Ambulatory Veterinary Science
NICKEL, E.-A., Veterinary Pathology
POTEL, K., General Pathology, Veterinary Pathological Anatomy
ROMMEL, W., Biology, Pathology of the Reproduction of Domestic Animals
SCHLEITER, H., Veterinary Surgery and Horse Shoeing
SCHRÖDER, L., Veterinary Anatomy
SCHUTZ, J.-A., Veterinary Anatomy
VOIGT, A., Microbiology

UNIVERSITÄT ROSTOCK

ROSTOCK, UNIVERSITÄTSPLATZ
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Founded 1419.

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Director of Libraries: A. EBERLEIN.

Number of teachers: 289, including 51 Ordinary Professors.

Number of students: 2,949 men, 1,263 women, total 4,212.

The library contains approx. 960,000 volumes.

Publications: *Wissenschaftliche Zeitschrift (Gesellschaftswissenschaftliche Reihe), Wissenschaftliche Zeitschrift (Mathematisch - Naturwissenschaftliche Reihe), Archiv der Freunde der Naturgeschichte Mecklenburgs.*

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Faculty of Medicine: Prof. Dr. K.-H. MEHLAN.
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Faculty of Technology: Prof. Dipl.-Ing. A. KRAUSE.

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BREAMER, EDITH, History of Modern German Literature
DONATH, F., Methodology of History
ELLER, R., Music
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HEITZ, G., German Agrarian History
KÜHNE, E., Modern German Language and Literature
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SCHUMANN, HILDEGARD, English and American Literature

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SCHAACKE, INGEBURG, Mineralogy
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ZINNER, H., Organic Chemistry

Faculty of Economics:
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KAPP, R., Technology
KLEIN, A., Political Economy
KNOBEL, J., Political Economy
KÖHLER, O., Socialist Industrial Planning
LANDGRAF, F., Industrial Economy
LUCK, HERBERT, Political Economy
SPITZNER, O., Socialist Economic Law

Faculty of Theology:
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BERNHARDT, K. H., Old Testament
BEYER, A., Systematic Theology
BRINKEL, K., Practical Theology
HAENDLER, G., Church History
WEISS, K., New Testament

Faculty of Medicine:
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BECKMANN, A., Physiology
BIENENGRÄBER, A., Anatomy
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GÜLZOW, M., Internal Medicine
HAGER, G., Opthalmology
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HEROLD, K., Forensic Medicine
KAEDING, A., Internal Medicine
KEIL, R., General Hygiene
KERSTEN, E., Industrial Hygiene
KIRCHMAIR, H., Pediatrics
KUHLGATZ, G., Surgery
KYANK, H., Obstetrics and Gynæcology
MEHLAN, K.-H., Social Hygiene
MÜCKE, D., Physiological Chemistry
PIETRUSCHKA, G., Ophthalmology
REUMUTH, E., Dental Medicine
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TECHNICAL UNIVERSITY

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DRESDEN A 27,
MOMMSENSTRASSE 13
Telephone: Dresden 378 4312.

Founded 1828, University status 1961.

Rector Magnificus: Prof. L. HERFORTH.

Number of teachers: 1,200.

Number of students: 11,000, 5,000 correspondent students.

Publications: *Wissenschaftliche Zeitschrift der Technischen Universität Dresden, Personal und Vorlesungsverzeichnis der Technischen Universität Dresden.*

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Faculty of Technology: Prof. Dr.-Ing. F. BREDENDICK.
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Faculty of Engineering Economy: Prof. Dr. rer. pol. A. BORDAG.
Faculty of Forestry: Prof. Dr. rer. nat. habil. H.-J., FIEDLER.
Faculty of Vocational Education and Liberal Studies: Prof. Dr. paed. habil. D. HERING.

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Department of Mathematics and Sciences:
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BAUMGÄRTEL, E., Special Fields of Inorganic Chemistry
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FREIMUTH, U., Chemistry of Food and Fermentation
FÜRST, H., Organic Chemistry
HÄNSEL, G., Technical Electrochemistry
HASSE, MARIA, Pure Mathematics
HEINRICH, H., Applied Mathematics
HERFORTH, LIESELOTT, Technology of Radioactive Isotopes
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SIEBERT, H., Principles of Socialist Education

COLLEGES

* *Indicates that the College is of University standing*

AGRICULTURE

Hochschule für Landwirtschaft: Bernberg/Saale, Bezirk Halle; f. 1961; Rector Prof. Dr. hab. F. OBERDORF.

ART, ARCHITECTURE

Hochschule für Grafik und Buchkunst in Leipzig (*State Academy of Graphic Arts and Book Production*): Leipzig, C.1, Dimitroffstr. 11; f. 1764; Rector Prof. G. K. MÜLLER.

Theaterhochschule Leipzig: Leipzig C.1, Schwägrichenstr. 3; f. 1953; 40 teachers, 210 students; Rector Prof. A.-G. KUCKHOFF.

ECONOMICS, POLITICAL AND SOCIAL SCIENCES, PUBLIC ADMINISTRATION

Hochschule für Ökonomie Berlin: Berlin-Karlshorst, Hermann-Duncker-Str. 8; Rector Prof. Dr. habil. A. LANGE.

MEDICINE

***Medizinsche Akademie, Dresden, "Carl Gustav Carus":** Dresden A.16, Fiedlerstrasse; f. 1954; 29 teachers, 1,237 students.
Rector: Prof. Dr. med. habil. W. OELSSNER.
Registrar: Dipl. jur. H. SCHWARZENBERG.

***Medizinische Akademie:** Erfurt, Nordhauser Str. 74; f. 1954; 50 teachers, 500 students.
Rector: Prof. K. SCHRÖDER.
Pro-Rectors: Prof. Dr. H. PATZER, Prof. Dr. F. MARKWARDT, Prof. Dr. E. SCHUMANN, Prof. Dr. A. SUNDERMANN.

***Medizinische Akademie:** Magdeburg; f. 1954.
Rector: Prof. Dr. Hj. MATTHIES.
Pro-Rector: Prof. Dr. H. ESSBACH.

MUSIC

Deutsche Hochschule fur Musik "Hanns Eisler" Berlin: Berlin, W.8, Wilhelmstr. 63; f. 1950; Rector Prof. Dr. E. REBLING; departments of opera and composition and choir school; music teachers' tuition free.

Franz Liszt Hochschule: Weimar, Platz der Demokratie; f. 1872; 480 students, 167 teachers; Rector Dr. W. FELIX, Pro-Rectors K. LÖFFLER, Prof. Dr. P. MICHEL.

Hochschule fur Musik "Carl Maria v. Weber", Dresden: Dresden A.1, Blochmannstrasse 2/4; f. 1856; Rector Dr. H. G. USZKOREIT; Pro-Rector O. KIESSLING; 145 teachers, 350 students.

Hochschule für Musik Leipzig: Leipzig, C.1, Grassistr. 8; f. 1843; Rector Prof. R. FISCHER.

Thomasschule: Leipzig, C.1, Hillerstr. 7; f. 1212 for the study of church music and the training of choristers, 80 of whom live in the school and form the Thomanerchor; Bach, the special study of whose music forms part of the curriculum, was Kantor from 1723-50; present Kantor Prof. Dr. K. THOMAS.

TECHNICAL

***Bergakademie Freiburg i. Sachsen:** Freiburg i. Sachsen, Akademiestr. 6; Rector Prof. Dr. J. WRANA; Pro-Rectors Prof. Dr. H. SCHUBERT (Research), Prof. Dr. J. KÖHLER (Science Candidates), Doz. Dr. S. WOLF (Basic Social Studies), Dipl.-Ing.-Dipl. jur. H. WEISSFLOG (Student Affairs); K. WINCKLER (acting) (Home Studies); library includes 154,571 vols. and patents, documents, plans of mine-workings, etc.

***Hochschule für Architektur und Bauwesen Weimar:** Weimar, Geschw. Scholl-Str. 8; f. 1860.
Rector: Prof. H. MATZKE.
Number of teachers: 114; students: 1,179.

DEANS:

Faculty of Architecture: Prof. Dr. H. LAHNERT.
Faculty of Civil Engineering: Prof. Dr. E. HAMPE.
Faculty of Building Materials and Building Materials Technology: Prof. Dr. T. SCHLOMKA.
Faculty of Workers and Peasants: Dir. R. FRITSCH.

Hochschule für Bauwesen: Cottbus, Sielower Str. 10; f. 1953; Rector Magnificus Prof. Dr. LEHMANN; 63 teachers, 585 students; teaching and research institute; publs. *Wissenschaftliche Zeitschrift* and results of research.

Hochschule für Bauwesen: Leipzig, Rich.-Lehmann-Str. 32; f. 1954; Rector Prof. Dipl.-Ing. O.-H. LEDDERBOGE.

***Technische Hochschule:** 1 Karl-Marx-Stadt, Strasse der Nationen 62; f. 1836; library of 150,000 vols.

Rector: Dr. rer. nat. habil. H. JÄCKEL.
Registrar: A. BOITZ.
Librarian: D. SCHEFFEL.

Number of teachers: 50.
Number of students: 2,500.

DEANS:

Faculty of Mathematics and Natural Sciences: Dr.-Ing. habil. W. VOCKE.
Faculty of Mechanical Engineering: Dr.-Ing. habil. W. HÄUSSLER.
Faculty of Technology: A. SCHLAFER.

***Technische Hochschule Ilmenau:** Ilmenau, Strasse der Jungen Techniker 21; f. 1953.

Rector: Prof. Dr.-Ing. H. J. MAU.

Number of teachers, including professors: 105.
Number of students: 2,402.

DEANS:

Faculty of Fundamentals for Natural Sciences and Technology: Prof. Dr. rer. nat. habil. H. SACHS.
Faculty of Heavy-current Engineering: Prof. Dr.-Ing. W. FURKERT.
Faculty of Light-current Engineering: Prof. Dr.-Ing. G. ULRICH.
Faculty of Precision Mechanics and Optics: Prof. Dipl.-Ing. F. HANSEN.
Faculty of Fundamental Production Technology: Dozent Prof. Dr. oec. R. GEIST.

***Technische Hochschule "Otto von Guericke":** Magdeburg, Boleslaw-Beirut-Platz 5; f. 1953; Rector Prof. Dr.-Ing. habil. E. J. GIESSMANN; Pro-Rectors Prof. Dr. A. MÜLLER, Prof. Dr. F. KURTH, Prof. Dr. E. STUMP, Dipl. jur. S. MÜLLER; Deans Prof. Dr.-Ing. H. GÖCKE (Mathematics and Natural Sciences), Prof. Dr.-Ing. H. WEINHOLD (Technology), Prof. Dipl.-Ing. W. HERRMANN (Machine Construction); library of 52,000 vols.; 235 teachers, 2,000 students.

***Hochschule für Verkehrsesen "Friedrich List" Dresden:** Dresden A.1, Friedrich-List-Platz; Tel. 44761; f. 1952.

Rector magnificus: Prof. Dr. H.-G. MÜLLER.
Librarian: Dr. CHARLOTTE BODEN.

The library contains 98,510 vols.
Number of teachers: 384, including 46 professors.
Number of students: 3,034.

DEANS:

Faculty of Transport and Communication Engineering: Prof. Dr. G. POTTHOFF.
Faculty of Traffic Construction Engineering: Prof. Dr. G. BIENERT.
Faculty of Engineering Economics of Transport and Communications: Prof. Dr. R. GÖTTNER.

***Technische Hochschule für Chemie:** 42 Merseburg, Geusaerstr.; f. 1954; Rector Magnificus Prof. Dr. habil. H.-J. BITTRICH; Deans: Prof. Dr. habil. H. BECKER; Prof. Dipl. Ing. W. JUGEL, Prof. Dr. G. GEISSLER; number of staff 130; number of students 2,300; publs. *Vorlesungsverzeichnisse, T.-H.C.-Echo* (twice a month), *Wissenschaftliche Zeitschrift* (quarterly).

GHANA

Population 6,726,815

ACADEMY

GHANA ACADEMY OF SCIENCES

P.O. BOX M.32, ACCRA

Founded 1959

On January 1st, 1963, the Ghana Academy of Sciences was merged with the National Research Council, and all the Research Institutes maintained by the National Research Council have become Institutes of the Academy.

Patron: H.R.H. The Prince PHILIP, Duke of EDINBURGH, K.G., P.C., G.B.E., F.R.S.

President/Chairman: Osagyefo Dr. KWAME NKRUMAH, P.C., M.SC.

Vice-Presidents: Prof. W. E. ABRAHAM, Prof. J. GILLMAN.

Members of the Praesidium: Osagyefo Dr. KWAME NKRUMAH, P.C., M.SC., Prof. W. E. ABRAHAM, Dr. R. P. BAFFOUR, O.B.E., Dr. J. YANNEY EWUSIE, Dr. C. O. EASMON, Prof. A. N. MAY, Prof. C. G. BAETA, O.B.E., Prof. A. N. TACKIE, Dr. S. R. A. DODU, E. LARTEY, Prof. F. G. T. TORTO, J. E. CUDJOE.

General Secretary: Dr. J. YANNEY EWUSIE.

Chairmen of the Sections:

Humanities: Prof. W. E. ABRAHAM.
Biological Sciences: Dr. C. O. EASMON.
Physical Sciences: Prof. F. G. T. TORTO.

FELLOWS:

ACKAH, Dr. C. A.
BAETA, Rev. Dr. C. G., O.B.E.
BANNERMAN, Dr. R. H. O.
BEKOE, Dr. D. A.
BING, G. H. C., C.M.G.
BOATENG, E. A.
CHAPMAN, D. A., C.B.E.
CUDJOE, J. E.
DE GRAFT-JOHNSON, Dr. J. C.
DE GRAFT-JOHNSON, Dr. (Mrs.) S. B. G.
DODU, Dr. S. R. A.
EASMON, Dr. C. O.
GILBERT, Dr. (Miss) C., F.R.S. (S.A.).
GILLMAN, Dr. J.
JACKSON, Lady.
KORSAH, Sir ARKU.
KOSTER, Rev. J. R.
KWAPONG, Dr. A. A.
LARTEY, E.
LAMB, J., O.B.E.
MAY, Dr. A. N.
NKETIA, J. H.
OFOSU-APPIAH, L. H.
OLLENNU, N. A.
QUARTEY, Dr. J. A. K.
SAI, Dr. F. T.
STOUGHTON, Dr. R. H.
TACKIE, Prof. A. N.
TORTO, Dr. F. G. T.
TWUM-BARIMA, K.
VAN LARE, W. B., C.M.G.
WRIGHT, Dr. R. W. H.

HONORARY FELLOWS:

H.R.H. The Prince PHILIP, Duke of EDINBURGH, K.G., P.C., G.B.E., F.R.S.
CAINE, Sir SYDNEY.
DIKE, Dr. K. O.
HODGKIN, Lady DOROTHY.
NICOL, Dr. DAVIDSON.
TODD, LORD ALEXANDER, F.R.S.

RESEARCH INSTITUTES MAINTAINED BY THE ACADEMY

Animal Research Institute: P.O. Box 20, Achimota; Officer-in-Charge Dr. J. G. WUTOH.

Cocoa Research Institute: P.O. Box 8, Tafo; Dir. Dr. E. J. A. ASOMANING (acting).

Crops Research Institute: P.O. Box 3785, Kumasi; Dir. Dr. W. K. AGBLE.

Soil Research Institute: P.O. Box 1433, Kumasi; Dir. K. A. QUAGRAINE.

Forest Products Research Institute: P.O. Box 209, Takoradi; Dir. F. W. ADDO-ASHONG (acting).

Building Research Institute: Univ. P.O. Box 40, Kumasi; Dir. E. LARTEY.

Institute of Health and Medical Research: P.O. Box 2848, Accra; Dir. Dr. KWAAFO-MANTE.

Institute of Aquatic Biology: P.O. Box 38, Achimota; Dir. Dr. LETITIA E. OBENG.

Food Research Institute: P.O. Box M20, Accra; Co-Dir. W. F. K. CHRISTIAN.

Health Physics and Radio-Isotope Unit: Department of Physics, University of Ghana, Legon; Dir. Prof. A. H. WARD (acting).

Local Alkaloidal Herbs Unit: K.N.U.S.T., Kumasi; Dir. Prof. A. N. TACKIE.

Encyclopaedia Africana Secretariat: P.O. Box 2797, Accra; Dir. (Vacant).

Institute of Geology and Geological Surveys: Accra; Hon. Dir. J. E. CUDJOE.

INSTITUTES IN PROCESS OF ESTABLISHMENT

Fisheries Research Institute.
Kwame Nkrumah Nuclear Research Institute.
Industrial Standards Institute.
Water Resources Research Institute.
Social Sciences Institute.
Institute of Wild Life Management.
Institute of Glass and Ceramics.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: P.O. Box 1573, Accra; Pres. Mme. VAN LARE; Sec.-Gen. Mme. BASSEGUY.

Arts Council of Ghana: P.O. Box 2738, Accra; f. 1958; to promote and develop the arts and preserve traditional arts; Chair. Prof. J. H. NKETIA; Exec. Sec. B. CASELY-HAYFORD.

British Council, The: P.O. Box 771, Accra; Rep. M. R. SNODIN, O.B.E.; Regional Offices: P.O. Box 1996, Kumasi, and P.O. Box 324, Cape Coast.

Central Clinical Laboratory: P.O. Box 300, Accra; f. 1920; laboratory services and training of personnel; research on tropical medicine and allied subjects; library of 7,500 vols.; Senior Officer W. N. LAING, M.B., CH.B., D.T.M. & H., D.C.P.

Classical Association of Ghana: University of Ghana; Sec. I. M. BARTON, M.A.

Economic Society of Ghana: P.O. Box 22, Legon; f. 1954; Pres. J. H. MENSAH; Hon. Sec. T. A. BOYE; publ. *Economic Bulletin of Ghana.*

Ghana Bar Association: Legon; Pres. B. J. DA ROCHA.

Ghana Geographical Association: University of Ghana; f. 1955; Pres. Prof. E. A. BOATENG; Hon. Sec. P. A. NORTEY, Jr.

Ghana Library Association: P.O. Box 4105, Accra; f. 1962; Pres. E. Y. AMEDEKEY, B.A., A.L.A.; Sec. R. A. OTIN-KORANG, A.L.A.

Ghana Science Association: University of Ghana, Legon; f. 1959; Pres. F. G. T. O'B. TORTO; Sec. L. A. K. QUASHIE.

Historical Society of Ghana: University of Ghana; f. 1952; formerly Gold Coast and Togoland Historical Soc.; Pres. G. W. IRWIN; Hon. Sec. Dr. A. A. BOAHEN; publ. *Transactions.*

Pharmaceutical Society of Ghana: f. 1935; 4 brs.; Gen. Pres. J. K. A. QUASHIE.

West African Examinations Council: Headquarters office, Accra, Ghana; other offices in Lagos, Nigeria; Freetown, Sierra Leone; London, England; conducts School, Higher School Certificate and G.C.E. Examinations in Nigeria, the School Certificate examination of the West African Examinations Council and G.C.E. examinations in Ghana, The Gambia and Sierra Leone at the request of the various Ministries of Education and also examinations for entry into the Public Services, secondary schools, and, in Ghana only, teacher training colleges; conducts other examinations at post-primary level at the request of the various Ministries of Education; holds examinations on behalf of the University of London and U.K. examining authorities; Registrar J. DEAKIN.

West African Timber-Borer Research Unit: Kumasi; f. 1953; the unit concentrates on the problems of ambrosia beetles (pin-hole borers) in logs and lumber and on the control of damage by other insects to timber trees and sawmill stock; Officer-in-charge F. G. BROWNE.

LIBRARIES

Accra Central Library: Thorpe Road, P.O. Box 663, Accra; central reference library; union catalogues.

Achimota School Library: Achimota; f. 1927; number of vols. 13,000; Acting Librarian A. C. V. B. TETTEH-CARTEY.

African Bureau of Educational Documentation: Accra; f. 1961; deals with curricula and methods, school health, textbooks, extra-curricular activities; UNESCO-assisted.

Ashanti Regional Library: Bantama Road, P.O. Box 824, Kumasi.

George Padmore Research Library on African Affairs: P.O. Box 2970, Accra; f. 1961; collection, processing and dissemination of recorded literature, history and culture of all Africa; 6,000 vols., 300 periodicals; Librarian S. I. A. KOTEI, F.L.A.; publs. Bi-monthly Acquisitions List, Special Subject Bibliographies, *Annual Ghana National Bibliography* (proposed).

Ghana Library Board: P.O. Box 663, Accra; f. 1950; comprises Accra Central Library (1956), regional libraries at Kumasi (1954), Sekondi (1955); branches at Cape Coast, Dunkwa, Hohoe, Takoradi, Tarkwa, Tamale, Koforidua, Jasikan, Keta, Konongo, Ho, Oda, and Kpandu; mobile libraries, children's libraries; 400,000 vols.; Dir. of Library Services ADOLFUS OFORI.

Kwame Nkrumah University of Science and Technology Library: Kumasi; 30,000 vols.; over 800 periodicals; Librarian G. M. PITCHER, F.L.A.

Library of the Cocoa Research Institute: Ghana Academy of Sciences, P.O. Box 8, Tafo; 4,000 vols., 6,000 pamphlets and reprints, and 320 periodicals; Asst. Librarian E. K. TETTEH, A.L.A.

Library of the Medical Research Institute: Medical Research Centre, Accra; f. 1920; 7,000 vols.; 175 current periodicals.

National Archives of Ghana: P.O. Box 3056, Accra; f. 1946, legal recognition 1955; charged with the collection, custody, rehabilitation and reproduction of all Public Archives, including valuable private papers; library of 1,000 vols.; Chief Archivist J. M. AKITA; publs. *Annual Report*, exhibition catalogues, etc.

Sekondi Regional Library: Old Axim Road, P.O. Box 174, Sekondi.

University of Ghana Library (Balme Library): Legon; 140,000 vols.; Librarian J. E. DEAN, M.A., A.L.A.

MUSEUMS

Ghana Museum: Accra; Curator R. B. NUNDO (acting).

Ghana National Museum: George Padmore Road, P.O. Box 3343, Accra; f. 1957; controlled by the Ghana Museum and Monuments Board; archæological and ethnological finds from all over Ghana and West Africa; modern works by Ghanaian artists; the achievement of man in Africa; Chairman of the Board NENE ANNORKWEI II; Dir. R. B. NUNOO.

UNIVERSITIES

UNIVERSITY OF GHANA

P.O. BOX 25, LEGON, NR. ACCRA

Telephone: Accra 77351.

Founded 1948 as the University College of Ghana (then Gold Coast); raised to University status 1961.

Chancellor: Osagyefo Dr. KWAME NKRUMAH, P.C., M.SC., President of the Republic of Ghana.
Pro-Vice-Chancellor: Prof. W. E. ABRAHAM, M.A.
Registrar: E. A. K. EDZII, B.A.
Librarian: E. Y. AMEDEKEY, B.A. (acting).

Number of teachers: 295.
Number of students: 2,000.

Publications: Annual Reports, *University of Ghana Reporter, Calendar.*

DEANS:

Faculty of Arts: A. A. KWAPONG, PH.D.
Faculty of Law: D. K. AFREH, LL.M. (acting).
Faculty of Science: A. N. MAY, PH.D.
Faculty of Social Studies: E. A. BOATENG, M.A.
Faculty of Agriculture: F. STOCES, PH.D.

PROFESSORS:

ABRAHAM, W. E., M.A., Philosophy
BAETA, C. G., O.B.E., PH.D., Study of Religions
BOATENG, E. A., M.A., Geography
COULSON, C. B., PH.D., F.R.I.C., Biochemistry, Nutrition and Food Science
EWER, D. W., M.B.E., PH.D., F.R.E.S., F.R.S.S.(Af.), Zoology

KWAPONG, A. A., PH.D., Classics
LAWSON, G. W., PH.D., F.L.S., Botany
MAY, A. N., PH.D., Physics
NKETIA, J. H., B.A., African Studies
SHINNIE, P. L., M.A., F.S.A., Archæology
TORTO, F. G. T. O'B., PH.D., Chemistry
WILKS, I. G., M.A.. African Studies
WILSON, A. S. B., B.SC., Animal Science
(Vacant—Crop Husbandry and Horticulture; History; Law; Linguistics; Political Science; Economics; Geology; Mathematics; Modern Languages).

ATTACHED INSTITUTES:

School of Administration.
Director: R. S. AMEGASHIE, B.COMM., A.C.A., F.C.C.S.

Institute of Statistics.
Director: Dr. A. R. SEN, PH.D.

Institute of Public Education.
Director: KOBINA HAGAN, B.A. (acting).

Institute of African Studies.
Director: J. H. NKETIA, B.A.

Post-Basic Nursing Education.
Director: (Vacant).

Volta Basin Research Project.
Chairman: D. W. EWER, M.B.E., PH.D., F.R.E.S., F.R.S.S.

Kade Agricultural Research Station: Kade.
Officer-in-Charge: Dr. POSPISIL.

Kpong Agricultural Irrigation Research Station: Kpong.
Officer-in-Charge: E. J. A. KHAN, M.SC.

Nungua Agricultural Research Station: Nungua.
Officer-in-Charge: B. QUARTEY-PAPAFIO.

GHANA MEDICAL SCHOOL

KORLE BU, ACCRA

Founded 1964.

Dean: C. O. EASMON.

Departments of anatomy, physiology, biochemistry, microbiology, pathology, pharmacology, medicine and therapeutics, surgery, obstetrics, preventive and social medicine, psychiatry, child health and anaesthetics.

KWAME NKRUMAH UNIVERSITY OF SCIENCE AND TECHNOLOGY

KUMASI

Telephone: 3201

Founded 1951 as Kumasi College of Technology, raised to University Status 1961.

Chancellor: The Osagyefo Dr. KWAME NKRUMAH, P.C., M.SC. (PENN.), President of the Republic of Ghana.
Vice-Chancellor: Dr. ROBERT PATRICK BAFFOUR, O.B.E., B.SC., M.I.MECH.E., M.I.N.E., F.R.A.S.
Administrative Officer: E. A. ULZEN, B.A.
Librarian: G. M. PITCHER, F.L.A.

Number of teachers: 203.
Number of students: 1,100.
Publications: *The Kumasitech, University Calendar, Annual Report.*

DEANS:

Faculty of Agriculture: Prof. P. A. TOWN, DIP.HORT.SC.
Faculty of Architecture: Prof. J. R. LLOYD, A.A.DIP., A.R.I.B.A., M.N.A.L.
Faculty of Engineering: Prof. C. LEVINE, PH.D., M.A.E.A.I.
Faculty of Pharmacy: Prof. A. N. TACKIE, PH.D., M.P.S. (LOND.).
Faculty of Applied Science and Technology: Prof. K. C. WHITTAKER, M.A.
Institute of Art: Prof. E. V. ASIHENE, N.D.D., A.T.D., F.R.S.A. (Director).
Department of General Studies: N. A. KOTEI, B.A. (Head).

UNIVERSITY COLLEGE OF SCIENCE EDUCATION

CAPE COAST

Telephone: Cape Coast 2440-2449

Founded 1962

Chancellor: Osagyefo Dr. KWAME NKRUMAH, P.C., M.SC., President of the Republic of Ghana.
Principal: N. G. BAKHOOM, PH.D.
Registrar: K. A. OBESE-JECTY, B.A.
Librarian: (Vacant).

Number of teachers: 90.
Number of students: 840.
Publication: *OGUAA Journal, Research Journal, Calendar, Brochure.*

DEANS:

Faculty of Science: B. DE SA, D.SC.
Faculty of Arts: K. A. J. NYARKO, PH.D.
Faculty of Education: E. STAFFORD, J.P., B.SC. (Head).

PROFESSORS:

BAKHOOM, N. G., PH.D., Mathematics
CHAKRAVARTY, H. L., D.SC., F.I.S., Botany
DE SA, B., D.SC., Mathematics
SISKE, V., D.SC., Chemistry
STAFFORD, E., J.P., B.SC., Education

COLLEGES

Awudome Residential Adult College: P.O. Box 25, Tsito; f. 1950 and now attached to the Institute of Public Education of the University of Ghana; provides residential liberal and scientific education for adult students from Ghana and other countries in Africa; subjects taught include economics, economic history, history, political science, international affairs with particular emphasis on African affairs, sociology, trade union studies, administration, science and everyday life; number of students: 40.
Director: Prof. J. C. DE GRAFT-JOHNSON, M.A., B.COM., PH.D.

Ghana Library School: P.O. Box 2362, Accra; f. 1961; set up by the Ghana Library Board; courses lead to the examinations of the British Library Association; Principal R. G. BENGE, M.C., F.L.A.; 4 teachers, 30 students.

GREAT BRITAIN

Population 52,228,000

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

GENERAL

THE ROYAL SOCIETY

BURLINGTON HOUSE, LONDON, W.1
Telephone: REGent 3335
Founded 1660 for the promotion of natural knowledge.
Incorporated by Royal Charter in 1662.

COUNCIL:
(to November 30th, 1965)

President: Lord FLOREY.

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Secretary: Biological and Vice-President: Prof. A. A. MILES.

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Executive Secretary: Dr. D. C. MARTIN, C.B.E., B.SC., PH.D., F.R.I.C., F.R.S.E.

Publications: *Philosophical Transactions, Proceedings, Year Book, Biographical Memoirs of Fellows, Notes and Records.*

FELLOWS:

ABERCROMBIE, MICHAEL, M.A., B.SC., embryologist.
ABRAHAM, EDWARD PENLEY, M.A., D.PHIL., biochemist.
ADAIR, GILBERT SMITHSON, M.A., biophysicist.
ADAM, NEIL KENSINGTON, M.A., SC.D., physical chemist.
ADAMS, JOHN BERTRAM, C.M.G., Hon. D.SC., physicist.
ADAMS, JOHN FRANK, PH.D., mathematician.
ADLER, SAUL, O.B.E., parasitologist.
ADRIAN OF CAMBRIDGE, Lord, O.M., M.A., D.SC., M.D., LL.D., F.R.C.P., physiologist.
AITKEN, ALEXANDER CRAIG, M.A., D.SC., F.R.S.E., statistician.
ALLEN, JOHN FRANK, M.A., PH.D., physicist.
ALLEN, NORMAN PERCY, D.SC., metallurgist.
ALLIBONE, THOMAS EDWARD, D.SC., PH.D., electrical engineer.
AMOROSO, EMMANUEL CIPRIANO, M.B., B.CH., PH.D., B.A.O., physiologist.
ANDERSON, JOHN STUART, PH.D., M.SC., chemist.
ANDRADE, EDWARD NEVILLE DA COSTA, D.SC., PH.D., F.INST.P., physicist.
ANDREWES, CHRISTOPHER HOWARD, B.SC., M.D., F.R.C.P., pathologist.
ASHBY, Sir ERIC, M.A., D.SC., D.LITT., botanist.
ATIYAH, MICHAEL FRANCIS, PH.D., mathematician.
ATTLEE, CLEMENT RICHARD, Earl, K.G., P.C., O.M., C.H.
AUERBACH, CHARLOTTE, PH.D., D.SC., animal geneticist.

BADDILEY, JAMES, chemist.
BAGNOLD, Brigadier RALPH ALGER, O.B.E., M.A., A.M.I.E.E., F.R.G.S., geophysicist.
BAKER, Sir JOHN FLEETWOOD, O.B.E., mechanical engineer.
BAKER, JOHN RANDALL, M.A., PH.D., D.SC., cytologist.
BAKER, WILSON, chemist.
BAMFORD, CLEMENT HENRY, industrial chemist.
BARBER, HORACE NEWTON, botanist.
BARCROFT, HENRY, M.D., M.R.C.P., physiologist.
BARKER, JOHN, M.A., PH.D., plant physiologist.
BARLOW, HAROLD EVERARD MONTEAGLE, electrical engineer.
BARRER, RICHARD MALING, chemist.
BARTLETT, Sir FREDERIC, C.B.E., M.A., psychologist.
BARTLETT, MAURICE STEVENSON, statistician.
BARTON, DEREK HAROLD RICHARD, chemist.
BATCHELOR, GEORGE KEITH, PH.D., mathematician.
BATES, DAVID ROBERT, D.SC., M.R.I.A., mathematician.
BATES, LESLIE FLEETWOOD, D.SC., physicist.
BAWDEN, FREDERICK CHARLES, M.A., plant pathologist.
BAWN, CECIL EDWIN HENRY, C.B.E., B.SC., PH.D., chemist.
BEALE, GEOFFREY HERBERT, M.B.E., PH.D., geneticist.
BEALS, CARLYLE SMITH, D.SC., astrophysicist.
BEAMENT, JAMES WILLIAM LONGMAN, SC.D., zoologist.
BEDSON, Sir SAMUEL PHILLIPS, M.D., M.SC., B.S., bacteriologist.
BELL, GEORGE DOUGLAS HUTTON, C.B.E., PH.D., botanist.
BELL, ROBERT EDWARD, nuclear physicist.
BELL, RONALD PERCY, M.A., chemist.
BENNET-CLARKE, THOMAS ARCHIBALD, M.A., PH.D., botanist.
BERGEL, FRANZ, chemist.
BERNAL, JOHN DESMOND, M.A., crystallographer.
BERRILL, NORMAN JOHN, B.SC., PH.D., D.SC., zoologist.
BESICOVITCH, ABRAM SAMOILOVITCH, M.A., mathematician.
BEST, CHARLES HERBERT, C.B.E., M.A., M.D., D.SC., F.R.S.C., F.R.C.P.(C.), physiologist.
BHABHA, HOMI JEHANGIR, PH.D., D.SC., physicist.
BILLINGHAM, RUPERT EVERETT, zoologist.
BINNIE, ALFRED MAURICE, engineer.
BIRCH, ARTHUR JOHN, PH.D., M.SC., organic chemist.
BISAT, WILLIAM SAWNEY, M.SC., engineer.
BISHOP, ANN, SC.D., chemist.
BLACKETT, PATRICK MAYNARD STUART, M.A., physicist.
BLACKMAN, GEOFFREY EMMET, agronomist.
BLACKMAN, MOSES, physicist.
BLACKMAN, VERNON HERBERT, M.A., SC.D., biologist.
BLASCHKO, HERMANN KARL FELIX, M.D., pharmacologist.
BLEANEY, BREBIS, M.A., D.PHIL., physicist.
BONDI, HERMAN, mathematician.
BORN, MAX, M.A., PH.D., SC.D., physicist.
BOSE, SATYENDRANATH, M.SC., statistician.
BOWDEN, FRANK PHILIP, C.B.E., SC.D., chemist.
BOWEN, EDMUND JOHN, M.A., D.SC., chemist.
BOYD, Brig. JOHN SMITH KNOX, O.B.E., M.D., bacteriologist.
BOYD-ORR OF BRECHIN MEARNS, Lord, D.S.O., M.C., M.A., M.D., D.SC., F.R.S.E., veterinary physiologist.
BRADLEY, ALBERT JAMES, D.SC., M.A., crystallographer.
BRAGG, Sir (WILLIAM) LAWRENCE, O.B.E., M.A., physicist.
BRAIN OF EYNSHAM, WALTER RUSSELL, Baron, neurologist and physician.
BRAMBELL, FRANCIS WILLIAM ROGERS, PH.D., D.SC., zoologist.
BRENNER, SYDNEY, D.PHIL., molecular biologist.
BRIAN, PERCY WRAGG, SC.D., microbiologist.
BRIDGES, Rt. Hon. Lord, P.C., G.C.B., G.C.V.O., M.C., D.C.L., LL.D., D.LITT.
BRIGGS, GEORGE EDWARD, M.A., botanist.
BRINDLEY, GILES SKEY, M.D., physiologist.
BROCKHAUS, BERTRAM NEVILLE, physicist.
BROWN, Sir LINDOR, C.B.E., M.SC., M.B., CH.B., physiologist.
BROWN, ROBERT, D.SC., botanist.
BROWN, ROBERT HANBURY, radio-astronomer.

BROWN, WILLIAM, M.A., D.SC., botanist.
BROWNING, CARL HAMILTON, M.D., D.P.H., bacteriologist.
BRUCE OF MELBOURNE, Viscount, P.C., C.H., M.C.
BÜLBRING, EDITH, pharmacologist.
BULLARD, Sir EDWARD (CRISP), B.A., PH.D., geophysicist.
BULLEN, KEITH EDWARD, M.A., PH.D., SC.D., mathematician.
BULMAN, OLIVER MEREDITH BOONE, SC.D., palæozoologist.
BURBIDGE, ELEANOR MARGARET, PH.D., astronomer.
BURCH, CECIL REGINALD, C.B.E., PH.D., physicist.
BURCHAM, WILLIAM ERNEST, M.A., PH.D., physicist.
BURGEN, ARNOLD STANLEY VINCENT, pharmacologist.
BURHOP, ERIC HENRY STONELEY, nuclear physicist.
BURKILL, JOHN CHARLES, SC.D., mathematician.
BURN, JOSHUA HAROLD ,M.D., pharmacologist.
BURNET, Sir (FRANK) MACFARLANE, O.M., M.D., PH.D., biologist.
BUTLER, CLIFFORD CHARLES, physicist.
BUTLER, JOHN ALFRED VALENTINE, D.SC., chemist.

CALLAN, HAROLD GARNET, cytogeneticist.
CALLOW, ROBERT KENNETH, B.SC., M.A., PH.D., biochemist.
CAMERON, Sir GORDON ROY, D.SC., F.R.C.P., anatomist.
CARTWRIGHT, MARY LUCY, M.A., D.PH., mathematician.
CASSELS, JAMES MACDONALD, physicist.
CASSELS, JOHN WILLIAM SCOTT, PH.D., mathematician.
CATCHESIDE, DAVID GUTHRIE, D.SC., plant cytogeneticist.
CHADWICK, Sir JAMES, M.SC., PH.D., physicist.
CHAIN, ERNST BORIS, M.A., D.PHIL., chemical pathologist.
CHANDRASEKHAR, SUBRAHMANYAN, M.A., PH.D., astronomer.
CHAPMAN, SYDNEY, M.A., D.SC., mathematician.
CHATT, JOSEPH, SC.D., chemist.
CHERRY, THOMAS MACFARLAND, PH.D., SC.D., mathematician.
CHIBNALL, ALBERT CHARLES, PH.D., SC.D., biochemist.
CHRISTOPHERS, Sir (SAMUEL) RICKARD, C.I.E., O.B.E., M.B., bacteriologist.
CHRISTOPHERSON, DERMAN GUY, O.B.E., D.PHIL., mechanical engineer.
CLAPHAM, ARTHUR ROY, botanist.
CLARK, Sir WILFRED LE GROS, M.A., D.SC., F.R.C.S., anatomist.
CLEMO, GEORGE ROGER, D.SC., F.R.I.C., chemist.
COCHRAN, WILLIAM, PH.D., crystallographer.
COCKCROFT, Sir JOHN (DOUGLAS), O.M., K.C.B., C.B.E., M.A., PH.D., M.SC., A.M.I.E.E., physicist.
COLEBROOK, LEONARD, M.B., B.S., F.R.C.O.G., gynæcologist.
COLLAR, ARTHUR RODERICK, C.B.E., aeronautical engineer.
COLLINGWOOD, Sir EDWARD FOYLE, C.B.E., mathematician.
CONSTANT, HAYNE, C.B., C.B.E., M.A., aeronautical engineer.
CONWAY, EDWARD JOSEPH, M.B., D.SC., biochemist.
COOK, ARTHUR HERBERT, D.SC., PH.D., F.R.I.C., organic chemist.
COOK, JAMES WILFRED, D.SC., PH.D., F.R.I.C., F.R.S.E., chemist.
COOK, Sir WILLIAM RICHARD JOSEPH, KT., C.B., atomic physicist.
COOMBS, ROBERT ROYSTON AMOS, PH.D., pathologist.
COOPER, LESLIE HUGH NORMAN, D.SC., chemist.
CORNER, EDRED JOHN HENRY, M.A., botanist.
CORNFORTH, JOHN WARCUP, M.SC., D.PHIL., organic chemist.
COTTRELL, ALAN HOWARD, PH.D., B.SC., metallurgist.
COULSON, CHARLES ALFRED, M.A., PH.D., physicist.
COWLING, THOMAS GEORGE, M.A., D.PH., mathematician.
COX, ERNEST GORDON, D.SC., F.R.I.C., F.INST.P., chemist.
COXETER, HAROLD SCOTT MACDONALD, PH.D., mathematician.
CRAIGIE, JAMES, O.B.E., M.B., CH.B., PH.D., bacteriologist.
CRAIGIE, JOHN HUBERT, A.B., M.SC., PH.D., D.SC., LL.D., geneticist.
CRANE, MORLEY BENJAMIN, A.L.S., V.M.H., agriculturist.
CREW, FRANCIS ALBERT ELEY, M.D., D.SC., PH.D., M.R.C.P.E., F.R.C.S.E., geneticist.
CRICK, FRANK HARRY COMPTON, PH.D., biologist.
CURRAN, SAMUEL CROWE, PH.D., D.SC., physicist.
CURTIS, WILLIAM EDWARD, D.SC., A.R.C.S., F.R.A.S., F.INST.P., physicist.

DAINTON, FREDERICK SYDNEY, M.A., SC.D., F.R.I.C., physical chemist.
DALE, Sir HENRY, O.M., G.B.E., M.A., M.D., F.R.C.P., biochemist.
DALITZ, RICHARD HENRY, physicist.
DALY, IVAN DE BURGH, C.B.E., M.B., B.CH., M.A., M.D., physiologist.
DANIELLI, JAMES FREDERIC, PH.D., D.SC., zoologist.
DARLINGTON, CYRIL DEAN, D.SC., horticulturalist.
DAVENPORT, HAROLD, M.A., SC.D., mathematician.
DAVIDSON, CHARLES RUNDLE, astronomer.
DAVIDSON, (JAMES) NORMAN, M.D., D.SC., biochemist.
DEACON, GEORGE EDWARD RAVEN, C.B.E., D.SC., physicist.
DE BEER, Sir GAVIN (RYLANDS), F.L.S., F.R.G.S., F.Z.S., M.A., D.SC., anatomist.
DE GRAAFF-HUNTER, JAMES, C.I.E., M.A., SC.D., F.INST.P., F.R.A.S., F.R.G.S., HON. M.I.R.E., geodesist.

DEE, PHILIP IVOR, C.B.E., M.A., physicist.
DEER, WILLIAM ALEXANDER, mineralogist.
DENBIGH, KENNETH GEORGE, chemical engineer.
DENT, CHARLES ENRIQUE, physiologist.
DENTON, ERIC JAMES, SC.D., physiologist.
DEVONS, SAMUEL, M.A., PH.D., physicist.
DEWAR, MICHAEL JAMES STEUART, M.A., D.PHIL., chemist.
DICKENS, FRANK, M.A., D.SC., PH.D., F.R.I.C., biochemist.
DIRAC, PAUL ADRIEN MAURICE, B.SC., PH.D., mathematician.
DITCHBURN, ROBERT WILLIAM, physicist.
DIXEY, FRANK, C.M.G., O.B.E., D.SC., geologist.
DIXON, MALCOLM, SC.D., biochemist.
DOBSON, GORDON MILLER BOURNE, C.B.E., M.A., D.SC., meteorologist.
DODDS, Sir (EDWARD) CHARLES, M.V.O., biochemist.
DOODSON, ARTHUR THOMAS, C.B.E., D.SC., mathematician.
DOREY, STANLEY FABES, C.B.E., D.SC., marine engineer.
DOWNIE, ALLAN WATT, M.D., CH.B., D.SC., bacteriologist.
DRURY, Sir ALAN (NIGEL), C.B.E., M.A., M.D., M.R.C.S., L.R.C.P., pathologist.
DUKE-ELDER, Sir STEWART, G.C.V.O., K.C.V.O., M.A., B.SC., D.SC., PH.D., M.D., CH.B., ophthalmologist.
DUNHAM, KINGSLEY CHARLES, D.SC., PH.D., SC.D., F.G.S., geologist.
DU TOIT, PETRUS JOHANN, D.SC., animal physiologist.
DYSON, FREEMAN JOHN, B.A., physicist.

ECCLES,, Sir JOHN CAREW, D.PHIL., M.B., B.S., physiologist.
ECCLES, WILLIAM HENRY, D.SC., A.R.C.S., physicist.
ELEY, DANIEL DOUGLAS, O.B.E., physical chemist.
ELLIS, Sir CHARLES, PH.D., physicist.
ELTON, CHARLES SUTHERLAND, M.A., animal ecologist.
EMELÉUS, HARRY JULIUS, C.B.E., M.A., D.SC., chemist.
ENGLEDOW, Sir FRANK, C.M.G., M.A., agriculturist.
ESSEN, LOUIS, O.B.E., D.S.C., physicist.
EVANS, Sir CHARLES LOVATT, LL.D., D.SC., M.R.C.S., F.R.C.P., physiologist.
EVANS, DAVID GWYNNE, bacteriologist.
EVANS, ULICK RICHARDSON, M.A., SC.D., metallurgist.
EWALD, PAUL PETER, PH.D., physicist.

FAGE, ARTHUR, C.B.E., F.R.Ae.S., F.I.Ae.S., physicist.
FAIRLEY, Sir NEIL HAMILTON, K.B.E., M.D., D.SC., pathologist.
FALCON, NORMAN LESLIE, geologist.
FARREN, Sir WILLIAM (SCOTT), C.B., M.B.E., engineer.
FEARNSIDES, WILLIAM GEORGE, M.A., geologist.
FEATHER, NORMAN, PH.D., F.R.S.E., physicist.
FEILDEN, GEOFFREY BERTRAM ROBERT, engineer.
FELDBERG, WILHELM SIEGMUND, M.A., M.D., physiologist.
FELL, HONOR BRIDGET, B.SC., PH.D., D.SC., physiologist.
FENNER, FRANK JOHN, M.B.E., M.D., B.S., D.T.M., microbiologist.
FILDES, Sir PAUL, O.B.E., M.A., M.B., B.CH., bacteriologist.
FINCH, GEORGE INGLE, M.B.E., D.TECH.CHEM., F.INST.P., chemist.
FINNEY, DAVID JOHN, SC.D., statistician.
FLECK, ALEXANDER, Lord, D.SC., chemist.
FLEURE, HERBERT JOHN, D.SC., M.A., geographer.
FLOREY, Sir HOWARD, M.B., B.S., B.SC., M.A., PH.D., pathologist.
FLOWERS, BRIAN HILTON, physicist.
FOGG, GORDON ELLIOTT, botanist.
FOLLEY, SYDNEY JOHN, D.SC., physiologist.
FORD, CHARLES EDMUND, D.SC., geneticist.
FORD, EDMUND BRISCO, D.SC., zoologist.
FOWDEN, LESLIE, PH.D., plant chemist.
FOWLER, PETER HOWARD, D.SC., physicist.
FOX, HAROLD MUNRO, M.A., zoologist.
FRANK, FREDERICK CHARLES, O.B.E., D.PHIL., physicist.
FRANKEL, OTTO HERZBERG, D.SC., D.AGR., agriculturist.
FRANKLIN, KENNETH JAMES, D.M., B.CH., M.A., D.SC., F.R.C.P., physiologist.
FREETH, FRANCIS ARTHUR, O.B.E., D.SC., PH.D., F.R.I.C., F.INST.P., chemist.
FRISCH, OTTO ROBERT, O.B.E., physicist.
FRÖHLICH, HERBERT, D.PHIL., physicist.

GABOR, DENNIS, DR. ING., electrical engineer.
GALE, ERNEST FREDERICK, SC.D., chemical microbiologist.
GARNHAM, PERCY CYRIL CLAUDE, C.M.G., medical protozoologist.
GAYDON, ALFRED GORDON, D.SC., chemical engineer.
GEE, GEOFFREY, M.SC., SC.D., chemist.
GEORGE, THOMAS NEVILLE, geologist.
GLANVILLE, WILLIAM HENRY, C.B., C.B.E., PH.D., D.SC., civil engineer.

Godwin, Harry, sc.d., botanist.
Gold, Ernest, c.b., d.s.o., o.b.e. (mil.), m.a., meteorologist.
Gold, Thomas, astronomer and radiophysicist.
Goldstein, Sydney, m.a., ph.d., mathematician.
Goodeve, Sir Charles, o.b.e., d.sc., chemist.
Gowans, James Learmonth, pathologist.
Grant, Ronald Thomson, o.b.e., m.d., m.r.c.p., f.f.p.s., pathologist.
Gray, Sir James, c.b.e., m.c., m.a., sc.d., zoologist.
Gray, Joseph Alexander, o.b.e., b.sc., d.sc., physicist.
Green, Albert Edward, m.a., ph.d., sc.d., mathematician.
Gregory, Philip Herries, d.sc., mycologist.
Gregory, Roderic Alfred, physiologist.
Grüneburg, Hans, ph.d., m.d., d.sc., geneticist.
Guggenheim, Edward Armand, m.a., sc.d., physical chemist.

Haddow, Alexander, d.sc., ph.d., m.d., pathologist.
Hall, Sir Arnold, m.a., aeronautical engineer.
Hall, Philip, m.a., mathematician.
Hallpike, Charles S., f.r.c.s., f.r.c.p., physiologist.
Hammick, Dalziel Llewellyn, m.a., d.sc., chemist.
Hanes, Charles Samuel, ph.d., agriculturist.
Hardy, Sir Alister Clavering, f.l.s., f.r.g.s., f.z.s., m.a., d.sc., zoologist.
Harington, Sir Charles, m.a., ph.d., pathologist.
Harland, Sydney Cross, d.sc., plant breeder.
Harley, John Laker, d.phil., botanist.
Harris, Geoffrey Wingfield, m.d., sc.d., physiologist.
Harris, John Edward, c.b.e., m.a., ph.d., zoologist.
Harris, Thomas Maxwell, m.a., ph.d., botanist.
Harrison, John William Heslop, d.sc., f.r.s.e., biologist.
Hartley, Sir Harold,, c.v.o., g.c.b., m.c., chemist.
Hartridge, Hamilton m.a., m.d., sc.d., m.r.c.p., physiologist.
Harvey, Hildebrand Wolfe, c.b.e., sc.d., hydrologist.
Hatton, Sir Ronald, c.b.e., m.a., d.sc., botanist.
Haughton, Sidney Henry, d.sc., geologist.
Havelock, Sir Thomas, m.a., d.sc., mathematician.
Hawkes, Leonard, d.sc., geologist.
Hawkins, Herbert Leader, d.sc., f.g.s., geologist.
Haworth, Robert Downs, d.sc., ph.d., b.sc., f.r.i.c., chemist.
Hawthorne William Rede, m.a., engineer.
Hayes, William, sc.d., bacteriologist.
Hayman, Walter Kurt, m.a., sc.d., analyst.
Heath, Oscar Victor Sayer, d.sc., horticulturist.
Heilbron, Sir Ian, d.s.o., d.sc., ph.d., f.r.i.c., chemist.
Heilbronn, Hans Arnold, m.a., ph.d., mathematician.
Heitler, Walter Heinrich, ph.d., physicist.
Henderson, David Willis Wilson c.b., d.sc., biologist.
Herzberg, Gerhard, f.r.s.c., physicist.
Hey, Donald Holdroyde, d.sc., ph.d., f.r.i.c., chemist.
Higman, Graham, m.a., ph.d., mathematician.
Hill, Archibald Vivian, c.h., o.b.e., m.a., sc.d., m.d., d.sc., physiologist.
Hill, Austin Bradford, c.b.e., medical statistician.
Hill, Dorothy, geologist.
Hill, Maurice Neville, ph.d., geophysicist.
Hill, Robert, sc.d., biochemist.
Hill, Rodney, mathematician.
Hills, Edwin Sherbon, f.a.a., geologist.
Himsworth, Sir Harold, k.c.b., m.d., f.r.c.p., q.h.p., clinical medicine.
Hindle, Edward, m.a., sc.d., ph.d., f.r.s.e., zoologist.
Hinshelwood, Sir Cyril, m.a., physical chemist.
Hinton of Bankside, Lord, k.b.e., m.a., m.i.c.e., m.i.mech.e., m.i.chem.e., engineer.
Hinton, Howard Everest, sc.d., entomologist.
Hirsch, Peter Bernhard, ph.d., physicist.
Hirst, Edmund Langley, c.b.e., m.a., d.sc., chemist.
Hoare, Cecil Arthur, d.sc., protozoologist.
Hodge, Sir William Vallance Douglas, m.a., f.r.s.e., mathematician.
Hodgkin, Alan Lloyd, m.a., physiologist.
Hodgkin, Dorothy Mary Crowfoot, m.a., b.sc., ph.d., crystallographer.
Hogben, Lancelot, m.a., d.sc., medical statistician.
Holder, Douglas William, engineer.
Holmes, Sir Gordon, c.m.g., c.b.e., f.r.c.p., d.sc., physician.
Holroyd Ronald, m.sc., ph.d., scientist.
Holt, John Riley, ph.d., physicist.
Hooker, Stanley George, o.b.e., d.sc., aircraft engineer.
Howarth, Leslie, o.b.e., b.sc., m a., ph.d., applied mathematician.
Hoyle, Fred, m.a., mathematician.

Hudson, Robert George Spencer, d.sc., geologist.
Hudson, Sir William, k.b.e., engineer.
Huggett, Arthur St. George Joseph Mcarthy, d.sc., m.b., b.s., physiologist.
Hume-Rothery, William, o.b.e., m.a., ph.d., d.sc., metallurgist.
Humphrey, John Herbert, m.d., immunologist.
Hutchinson, John, ll.d., botanist.
Hutchinson, Sir Joseph Burtt, c.m.g., sc.d., plant geneticist.
Huxley, Andrew Fielding, m.a., physiologist.
Huxley, Hugh Esmor, m.b.e., ph.d., biophysicist.
Huxley, Sir Julian Sorell, m.a., d.sc., zoologist.

Illing, Vincent Charles, a.r.s.m., m.a., geologist.
Ing, Harry Raymond, d.phil., chemist.
Ingham, Albert Edward, m.a., mathematician.
Inglis, Sir Claude, c.i.e., hydraulic engineer.
Ingold, Sir Christopher Kelk, d.sc., a.r.c.s., f.c.s., chemist.
Iveagh, Rupert Edward Cecil Lee Guinness, Earl of, k.g., c.m.g.

Jackson, Derek Ainslie, o.b.e., d.f.c., a.f.c., m.a., d.sc., physicist.
Jackson, Sir Willis, d.sc., d.phil., electrical engineer.
James, William Owen, b.sc., ph.d., m.a., d.phil., plant physiologist.
Jeffreys, Sir Harold, m.a., d.sc., f.r.a.s., f.r.met.soc., geophysicist.
Johnson, Alan Woodworth, organic chemist.
Jones, Sir B. Melvill, c.b.e., a.f.c., aeronautical engineer.
Jones, Ewart Ray Herbert, ph.d., d.sc., chemist.
Jones, Harry, b.sc., ph.d., mathematician.
Jones, John Kenyon Netherton, ph.d., d.sc., chemist.
Jones, Owen Thomas, m.a., d.sc., m.sc., geologist.
Jones, Reginald Victor, c.b., c.b.e., physicist.

Kapitza, Peter, ph.d., physicist.
Katz, Bernard, m.d., ph.d., d.sc., neurophysiologist.
Kay, Herbert Davenport, c.b.e., d.sc., biochemist.
Kearton, Christopher Frank, o.b.e., physicist.
Keen, Sir Bernard, d.sc., agriculturist.
Kemball, Charles, physical chemist.
Kemmer, Nicholas, m.a., ph.d., f.r.s.e., philosopher.
Kendall, David George, statistician.
Kendall, James, m.a., d.sc., chemist.
Kendrew, John Cowdery, ph.d., biologist.
Kennedy, John Stodart, d.sc., insect physiologist.
Kenner, George Wallace, organic chemist.
Kenner, James, d.sc., ph.d., chemist.
Kermack, William Ogilvy, m.a., d.sc., f.r.s.e., chemist.
Keynes, Richard Darwin, ph.d., physiologist.
Kidd, Franklin, c.b.e., m.a., d.sc., botanist.
Kilburn, Tom, computer scientist.
King, Frederick Ernest, d.sc., chemist.
Kitching, John Alwyne, o.b.e., sc.d., zoologist.
Kleczkowski, Alfred Alexander Peter, microbiologist.
Kornberg, Hans Leo, biochemist.
Krebs, Sir Hans Adolf, m.a., m.d., biochemist.
Krohn, Peter Leslie, endocrinologist.
Kronberger, Hans, o.b.e., ph.d., nuclear physicist.
Küchemann, Dietrich, Dr.rer.nat., aeronautics engineer.
Kuhn, Heinrich Gerhard, d.phil., physicist.
Kurti, Nicholas, d.phil., physicist.

Lack, David, sc.d., ornithologist.
Leblond, Charles Philippe, physiologist.
Le Fevre, Raymond Darwin, ph.d., chemist.
Leiper, Robert Thomson, c.m.g., d.sc., m.d., parasitologist.
Lemberg, (Max) Rudolph, d.phil., biochemist.
Lewis, Dan, ph.d., d.sc., geneticist.
Lewis, Wilfred Bennett, c.b.e., ph.d., physicist.
Liddell, Edward George Tandy, d.m., b.ch., m.a., physiologist.
Lighthill, Michael James, b.a., m.sc., mathematician.
Linnett, John Wilfred, m.a., d.phil., chemist.
Linstead, Sir Reginald Patrick, c.b.e., d.sc., chemist.
Lipson, Henry Solomon, d.sc., m.a., f.inst.p., physicist.
Lissmann, Hans Werner, dr.rer.nat., mathematician.
Littlewood, John Edensor, m.a., mathematician.
Lockspieser, Sir Ben, k.c.b., m.a., m.i.mech.e., f.r.ae.s., engineer.

LONDON, HEINZ, D.PHIL., nuclear physicist.
LONSDALE, Dame KATHLEEN, D.B.E., D.SC., physicist.
LONGUET-HIGGINS, HUGH CHRISTOPHER, physical chemist.
LONGUET-HIGGINS, MICHAEL SELWYN, PH.D., oceanographer.
LOUTIT, JOHN FREEMAN, C.B.E., D.M., radiobiologist.
LOVELL, Sir ALFRED CHARLES BERNARD, O.B.E., B.SC., PH.D., F.INST.P., physicist.
LOWENSTEIN, OTTO EGON, PH.D., D.PHIL., D.SC., M.I.BIOL., F.R.S.E., zoologist.
LUND, JOHN WALTER GUERRIER, D.SC., biologist.
LYTHGOE, BASIL, organic chemist.
LYTTLETON, RAYMOND ARTHUR, M.A., PH.D., mathematician.

MCCANCE, Sir ANDREW, D.SC., metallurgist.
MCCANCE, ROBERT ALEXANDER, C.B.E., M.D., experimental medicine.
MCCREA, WILLIAM HUNTER, M.A., PH.D., B.SC., mathematician.
MACFARLANE, ROBERT GWYN, M.D., hæmatologist.
MACINTOSH, FRANK CAMPBELL, M.A., PH.D., physiologist.
MACKENZIE, CHALMERS JACK, C.M.G., M.C., D.SC., engineer.
MCLEOD, JAMES WALTER, O.B.E. (MIL.), SC.D., M.B., CH.B., bacteriologist.
MCMICHAEL, JOHN, M.D., CH.B., F.R.C.P.E., F.R.S.E., cardiologist.
MACMILLAN, The Rt. Hon. (MAURICE) HAROLD.
MAHALANOBIS, PRASANTA CHANDRA, physicist.
MAHESHWARI, PANCHANAN, botanist.
MAHLER, KURT, PH.D., D.SC., mathematician.
MAIZELS, MONTAGUE, pathologist.
MANDELSTAM, STANLEY, physicist.
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Jacob, Prof. Ernest Fraser, D.PHIL., F.S.A.
Kendrick, Sir Thomas Downing, K.C.B., D.LITT., F.S.A.
Knowles, Rev. Prof. Michael David, O.S.B., LITT.D., F.S.A.
Kurz, Otto, PH.D.
Mahon, John Denis, M.A.
Pächt, Prof. Otto Ernst, PH.D.
Pantin, William Abel, M.A., F.S.A.
Parker, Sir Karl Theodore, C.B.E., PH.D.
Pevsner, Prof. Nikolaus, C.B.E., M.A., PH.D., F.S.A.
Pope-Hennessy, John Wyndham, C.B.E., F.R.S.L., F.S.A.
Popham, Arthur Ewart, C.B.
Robinson, Edward Stanley Gotch, C.B.E., M.A., F.S.A.
Seznec, Prof. Jean Joseph, M.A.
Summerson, Sir John Newenham, C.B.E., B.A., F.S.A., A.R.I.B.A.
Waterhouse, Prof. Ellis Kirkham, C.B.E., M.A., A.M.
Webb, Geoffrey Fairbank, C.B.E., M.A., F.S.A.
Wellesz, Egon Joseph, C.B.E., M.A.
Westrup, Prof. Sir Jack Allan, M.A., B.MUS., F.R.C.O., F.T.C.L.
Wilde, Prof. Johannes, C.B.E., PH.D.
Wittkower, Prof. Rudolf.
Wormald, Prof. Francis, M.A., F.S.A.

ROYAL INSTITUTION OF GREAT BRITAIN

21 ALBEMARLE STREET, W.1

Telephone: HYDe Park 5716

Founded 1799.

President: Lord Fleck of Saltcoats, K.B.E., D.SC., LL.D., F.R.S.
Treasurer: W. E. Schall, B.SC., F.INST.P.
Secretary: Brig. H. E. Hopthrow, C.B.E., M.I.MECH.E.

Founded for the promotion of Science and the extension of useful knowledge; lectures for Members and their friends, for schools and Christmas lectures for juveniles; research laboratories under Sir Lawrence Bragg, O.B.E., M.C., D.SC., F.R.S.

Number of members: 1,200.

Publications: *Proceedings* (three times a year), *Record* (annually).

Agriculture and Veterinary Science

British Agricultural History Society: c/o Museum of English Rural Life, The University, Whiteknights Park, Reading, Berks.; f. 1952; 700 mems.; Pres. R. V. Lennard; Sec. T. W. Fletcher; publ. *Agricultural History Review* (twice yearly).

British Society of Soil Science: c/o University of Nottingham, School of Agriculture, Sutton Bonington, Loughborough; f. 1947 to advance the study of the soil itself, and its applications in agriculture, forestry and other fields; 586 mems.; Pres. G. V. Jacks; Hon. Sec. Dr. D. V. Crawford; publ. *Journal of Soil Science* (twice yearly).

British Veterinary Association (formerly National Veterinary Medical Association of Great Britain and Ireland): 7 Mansfield Street, Portland Place, London, W.1; f. 1881 to advance the veterinary art by means of publications and conferences, and to forward and protect the interests of mems. of the veterinary profession; 5,300 mems.; Pres. A. Steele-Bodger, M.A., B.SC., M.R.C.V.S.; Sec. J. A. Anderson, M.R.C.V.S.; publs. *The Veterinary Record* (weekly), *Research in Veterinary Science* (quarterly).

Commonwealth Forestry Association: at Royal Commonwealth Society, Northumberland Avenue, London, W.C.2; f. 1921; 1,380 mems.; Chair. Sir ARTHUR GOSLING, K.B.E., C.B.; Editor-Sec. P. C. LANCASTER, O.B.E., M.A.; publs. *The Commonwealth Forestry Review* (quarterly), *The Commonwealth Forestry Handbook* (occasional), *Commonwealth Forest Terminology*.

Institution of Agricultural Engineers: 6 Queen Square, London, W.C.1; f. 1938; professional and examining body aiming to advance all those branches of engineering which relate to agriculture; 1,900 mems.; Chair. D. I. McCLAREN, B.SC., N.D.A., M.I.AGR.E.; publ. *Journal and Proceedings* (quarterly).

Royal Agricultural Society of England: 35 Belgrave Square, London, S.W.1; f. 1838; 16,000 mems.; established National Agricultural Centre at Stoneleigh Abbey where Royal Show is held annually; research library; Sec. and Technical Dir. CHRISTOPHER DADD, M.A., DIP.AGRIC. (CANTAB.); publs. *Annual Journal, The Review*.

Royal Forestry Society of England, Wales and Northern Ireland: 49 Russell Square, London, W.C.1; f. 1882 as the English Arboricultural Society to advance the knowledge and practice of forestry and arboriculture, and to disseminate knowledge of the sciences on which they are based; 3,994 mems.; library of 4,300 vols.; Pres. The DUKE OF ABERCORN; Sec. P. S. LEATHART, M.B.E.; publ. *Quarterly Journal of Forestry*.

Royal Highland and Agricultural Society of Scotland: 8 Eglinton Crescent, Edinburgh, 12; f. 1784, inc. by Royal Charter 1787, for the promotion of the science and practice of agriculture in all its branches; 14,500 mems.; library of 6,000 vols.; Pres. Lord ROWALLAN, M.C.; Sec. R. M. LEMMON, O.B.E., B.L.; publ. *Transactions* (annual).

Royal Horticultural Society: Exhibition Halls, Library, and Offices, Vincent Square, London, S.W.1; Gardens and School, Wisley, Ripley, Surrey; f. 1804; library of 33,000 vols. (Lindley Library); Pres. The Lord ABERCONWAY, V.M.H.; Sec. J. HAMER, M.B.E., B.A.; publs. *R.H.S. Journal* (monthly), *Botanical Magazine* (half-yearly), year books, etc.

Royal Scottish Forestry Society: 7 Albyn Place, Edinburgh 2; f. 1854; about 2,100 mems.; library of 600 vols.; Pres. A. N. S. KINNEAR, Damside, Auchterarder, Perthshire; Sec.-Treas. and Librarian R. A. GALLOWAY; publ. *Scottish Forestry* (quarterly).

Royal Welsh Agricultural Society: Llanelwedd, Builth-Welles, Brecs.; f. 1904; 7,000 mems.; Sec. J. A. GEORGE; publs. annual journal, schedules, etc.

Society of Dairy Technology: 17 Devonshire Street, London, W.1; f. 1943 for the advancement of dairy technology and for the encouragement of technical education and scientific enquiry; 2,500 mems.; Pres. C. H. BRISSENDEN; Sec. M. SONN; publ. *Journal* (quarterly).

Society of Foresters of Great Britain: 51 Colcokes Road, Banstead, Surrey; f. 1925 to advance, spread and promote the application of all aspects of forestry, especially in Great Britain and Northern Ireland; 750 mems.; Pres. J. MAXWELL MACDONALD; Sec. and Treas. J. J. LAWRIE; publ. *Forestry* (half-yearly).

ARCHITECTURE AND TOWN PLANNING

Architectural Association (Inc.): 34–36 Bedford Square, London, W.C.1; f. 1847; 3,800 mems.; library of 10,000 vols.; Pres. (1965–66) JAMES CUBITT; Dir. E. J. CARTER; Sec. G. R. WILTSHIRE; publ. *Journal* (monthly).

The Civic Trust: 79 Buckingham Palace Road, London, S.W.1; f. 1957 for the encouragement of good architecture and civic planning; financed by industry; Pres. Mr. DUNCAN SANDYS; administered by a board of trustees.

Commons, Open Spaces and Footpaths Preservation Society: 11 King's Bench Walk, London, E.C.4; f. 1865; 3,500 mems.; Chair. Sir FELIX BRUNNER, Bt.; Sec. I. S. CAMPBELL, LL.B.; publ. *Quarterly Journal*.

Council for the Care of Churches: 83 London Wall, E.C.2; f. 1917 to maintain the highest standards in the preservation, restoration and alteration of Anglican churches by making available the best artistic and technical advice; there is a special committee on cathedrals; library of 3,000 vols.; Sec. JUDITH SCOTT; Technical Dir. F. I. G. RAWLINS.

Incorporated Association of Architects and Surveyors: 29 Belgrave Square, London, S.W.1; f. 1925; 3,500 mems.; Pres. F. BUTTERFIELD; Sec. KENNETH HAY; publs. *List of Members, The Architect and Surveyor* (bi-monthly), *Traffic Report "A Plan for 1966"*.

London Society: 3 Dean's Yard, London, S.W.1; f. 1912 to stimulate a wider concern for the beauty of the capital city, the preservation of its charms and the careful consideration of its development; approx. 750 mems., Pres. Rt. Hon. Lord CONESFORD, Q.C.; Chair. Exec. Cttee. W. R. HORNBY STEER, D.L.; Hon. Sec. Miss E. BRIGHT ASHFORD, B.A.; publ. *The London Society Journal* (from four or five times a year).

National Housing and Town Planning Council Inc.: 24 Devonshire Street, London, W.1; est. 1900 as the National Housing Reform Council to secure the abolition of unhealthy and socially undesirable houses; to promote the principle of sound town and country planning; and to disseminate information as to the improvement of the housing conditions of the people and the best standards of planning; 1,300 mems.; Gen. Sec. F. J. BERRY, B.P.A.; publs. *The Housing and Planning Review* (bi-monthly), *Housing and Planning Year Book*.

National Trust for Places of Historic Interest or Natural Beauty: 42 Queen Anne's Gate, London, S.W.1; f. 1895 for the purpose of promoting the permanent preservation of, and public access to, land of natural beauty and buildings of historic interest; list of properties available at above address; 150,000 mems.; Sec. J. F. W. RATHBONE; publs. *List of Properties, Annual Report, News Bulletin*.

National Trust for Scotland: 5 Charlotte Square, Edinburgh 2; promotes the preservation of places of historical or architectural interest or natural beauty in Scotland; Sec. J. C. S. DARLING.

Oxford Preservation Trust: The Painted Room, 3 Cornmarket Street, Oxford; f. 1927 to combine together Oxford City and University, Oxfordshire, and Berkshire to work for the beauty of Oxford and its surroundings, particularly planning problems which will affect future development; c. 1,250 mems.; Pres. Rt. Hon. HAROLD MACMILLAN, P.C.; Chair. Viscount HARCOURT, K.C.M.G., O.B.E.; Sec. R. S. W. MALCOLM, M.A.; publ. *Oxford Preservation Trust Annual Report*.

Royal Incorporation of Architects in Scotland: 15 Rutland Square, Edinburgh; f. 1916 as a professional organisation; 3,000 mems.; Pres. WILLIAM McCREA, F.R.I.B.A.; Sec. K. MACRAE, W.S.; publ. *Quarterly*.

Royal Institute of British Architects: 66 Portland Place, London, W.1; f. 1834; 26,000 mems.; Pres. Viscount ESHER, M.A.; Sec. GORDON RICKETTS, M.A.; publs. *Journal* (monthly), *Kalendar* (annual); library: *see* Libraries.

Royal Institution of Chartered Surveyors: 12 Great George Street, Parliament Square, London, S.W.1; f. 1868 as the Institution of Surveyors, received Royal Charter 1881; proclaimed as a Royal Institution 1946; 25,700 mems.; library of 20,000 vols.; Pres. H. W. WELLS, F.R.I.C.S., F.A.I.; Sec. F. A. R. BENNION, M.A.; publ. *The Chartered Surveyor* (monthly).

Society for the Protection of Ancient Buildings: 55 Great Ormond Street, Queen Square, London, W.C.1; f. 1877 by William Morris. Exists to prevent the unnecessary destruction of old buildings and to advise on their proper repair and treatment; approx. 3,000 mems.; Chair. The Earl of EUSTON, F.S.A.; Sec. Mrs. H. C. DANCE, M.B.E.; publ. *Annual Report*.

Town and Country Planning Association: 28 King Street, London, W.C.2; f. 1899 to further the cause of town and country planning, decentralisation of overcrowded areas, and the creation of new self-contained towns; 2,000 mems.; Chair. of Exec. PETER SELF, M.A.; Dir. WYNDHAM THOMAS; publ. *Town and Country Planning* (monthly).

Town Planning Institute: 26 Portland Place, London, W.1; f. 1914 to advance the art and science of town planning and to promote the interests of those engaged in town planning; Pres. L. B. KEEBLE, M.C., B.SC., M.A., F.R.I.C.S.; Sec. PHILIP R. RATHBONE, B.A.; publ. *Journal* (10 issues a year).

THE ARTS

General

Arts Council of Great Britain: 4 St. James's Square, London, S.W.1; f. 1940 as the Council for the Encouragement of Music and the Arts (C.E.M.A.) and transformed into the Arts Council in 1946 when a Royal Charter was granted directing it to develop knowledge, appreciation and practice of the fine arts, increase their accessibility to the public, and to advise and co-operate with government depts., local authorities and other bodies concerned with these objects; 16 mems.; Chair. Lord GOODMAN, G.B.E.; Sec.-Gen. NIGEL JAMES ABERCROMBIE; publs. *Annual Report*, etc.

Council of Industrial Design: The Design Centre, 28 Haymarket, London, S.W.1; f. 1944 to promote the improvement of design in the products of British industry; permanent exhibition of British goods at The Design Centre; Chair. of Council Sir DUNCAN OPPENHEIM; Dir. PAUL REILLY; Scottish Cttee. Chair. A. R. MILLER; publs. *Design* (monthly), *Design Calendar* (monthly).

Faculty of Royal Designers for Industry: Royal Society of Arts, John Adam Street, London, W.C.2; f. 1936; number of holders of R.D.I. limited; Pres. G. C. H. CHUBB, M.A.; Master: BARNES N. WALLIS, C.B.E., D.SC., R.D.I., F.R.S., M.INST.C.E., F.R.Ae.S.; Sec. G. E. MERCER.

Institute of Contemporary Arts: 17–18 Dover Street, London, W.1; f. 1948 to promote the best and most creative in the arts and to provide a meeting-place for artists and the public; *c.* 1,500 mems.; Pres. Sir HERBERT READ, D.S.O., M.C., LIT.D., M.A.; Chair. ROLAND PENROSE, C.B.E.; publ. monthly bulletin circulated to mems.

National Art-Collections Fund: Hertford House, Manchester Square, London, W.1; f. 1903 and incorporated under Royal Charter to secure works of art for the galleries and museums of the British Commonwealth; 11,000 mems.; Chair. Rt. Hon. The Earl of CRAWFORD AND BALCARRES, K.T., G.B.E.; Hon. Treas. M. J. BABINGTON SMITH, C.B.E.; Hon. Sec. Sir ALEC MARTIN, K.B.E.; Sec. Sir EMRYS WILLIAMS, C.B.E., D.LITT.

National Society for Art Education: Brough, Yorkshire; the recognised professional body for principals, lecturers and teachers employed in colleges and schools of art and specialist teachers of art and crafts teaching elsewhere; f. 1888; Gen. Sec. S. I. HEMMING, A.R.C.A., F.S.A.E.

Royal Fine Art Commission: 2 Carlton Gardens, London, S.W.1; appointed by Royal Warrant, 1924, to inquire into questions of public amenity or artistic importance referred to them from time to time by any of the Departments of State and to report thereon to such Department, and to give advice on similar questions when so requested by public or quasi-public bodies. Further empowered by Royal Warrant, 1933, to call the attention of any Department of State, or appropriate public or quasi-public body, to projects or developments which in the opinion of the Commission may affect amenities of a national or public character, and, in 1946, to call before them such persons as may be likely to afford information and to visit and inspect such places as they may deem it expedient so to inspect for this purpose. Commissioners: The Rt. Hon. Lord BRIDGES, K.G., G.C.B., G.C.V.O., LL.D., PH.D., D.C.L., M.C., F.R.S. (Chair.), Sir COLIN ANDERSON, JOHN BETJEMAN, C.B.E., Hon. A.R.I.B.A., The VISCOUNT ESHER, M.A., F.R.I.B.A., Sir HUGH CASSON, R.D.I., M.A., F.R.I.B.A., H. M. COLVIN, C.B.E., M.A., RAYMOND ERITH, R.A., F.R.I.B.A., ARTHUR FLOYD, C.B.E., B.SC., M.I.C.E., FREDERICK GIBBERD, C.B.E., F.R.I.B.A., M.T.P.I., Lord HOLFORD, M.A., F.R.I.B.A., M.T.P.I., G. A. JELLICOE, F.R.I.B.A., P.P.I.L.A., M.T.P.I., Lord LLEWELYN-DAVIES, M.A., F.R.I.B.A., Prof. Sir LESLIE MARTIN, M.A., F.R.I.B.A., HENRY MOORE, O.M., C.H., D.LITT., Hon. A.R.I.B.A., JOHN PIPER, Sir EDWARD PLAYFAIR, K.C.B., J. M. RICHARDS, A.R.I.B.A., Sir BASIL SPENCE, O.M., O.B.E., R.A., A.R.S.A., F.R.I.B.A., B. W. WATKIN, A.M.T.P.I. (Dep. Sec.), The Hon. GODFREY SAMUEL, M.A., F.R.I.B.E (ret'd.), A.M.T.P.I.

Royal Fine Art Commission for Scotland: 22 Melville Street, Edinburgh; f. 1927 to advise on all questions of public amenity and artistic importance relating to Scotland; Sec. J. T. BANNATYNE.

Royal Philatelic Society, London: 41 Devonshire Place, London, W.1; f. 1869; 1,000 mems.; Pres. Capt. B. ROGERS-TILLSTONE, R.N.; Hon. Sec. GEORGE SOUTH, M.B.E.; publ. *The London Philatelist* (monthly).

Royal Society of Arts: 6–8 John Adam Street, London, W.C.2; f. 1754 for the promotion of arts, manufactures, and commerce; 7,000 mems.; library of 6,000 vols., 10,000 MSS.; Pres. H.R.H. PRINCE PHILIP, DUKE OF EDINBURGH; Chair. Sir HILARY BLOOD, G.B.E., K.C.M.G.; publ. *Journal* (monthly).

Saltire Society: Gladstone's Land, 483 Lawnmarket, Edinburgh, 1; f. 1936 to preserve Scottish cultural traditions, especially in art and literature; 1,700 mems.; Pres. JOHN NOBLE; Hon. Sec. Dr. R. M. GORRIE.

Society for Education through Art: Morley College, 61 Westminster Bridge Road, London, S.E.1; f. 1939 by amalgamation of Art Teachers' Guild and New Society of Art Teachers; seeks to establish an education through art which shall develop the imagination and creative power of the whole rising generation; 1,000 mems.; Pres. Sir HERBERT READ, D.LITT., D.S.O.; Sec. Miss C. J. CROWTHER; publ. *Athene* (bi-annually).

William Morris Society: 25 Lawn Crescent, Kew, Surrey; f. 1955 to stimulate wider appreciation and deepen understanding of the life, work and influence of William Morris and his friends; 600 mems.; Pres. STANLEY MORISON; Hon. Sec. R. C. H. BRIGGS; publ. *The Journal* (twice yearly).

Drama

British Drama League: 9–10 Fitzroy Square, London, W.1; f. 1919 by Geoffrey Whitworth for the encouragement of the Art of the Theatre, and to promote a right relation between drama and the life of the community; 5,000 mems., including over 3,000 affiliated organisations; Pres. EARL OF BESSBOROUGH; Chair. NORMAN MARSHALL; Dir. WALTER LUCAS; publ. *Drama* (quarterly); library: *see* Libraries.

Society for Theatre Research, The: 103 Ralph Court, Queensway, London, W.2; f. 1948; acts as a clearing house for information concerning the history and tech-

nique of the British theatre and encourages research in these subjects; library includes MSS., programmes, etc.; Pres. Prof. ALLARDYCE NICOLL; Chair. WILLIAM KENDALL; Hon. Secs. Miss SYBIL ROSENFELD, JACK READING; publs. *Theatre Notebook* (quarterly), an annual publication and pamphlet series.

Fine Arts

Contemporary Art Society: Tate Gallery, Millbank, London, S.W.1; f. 1910 to acquire works by living artists for loan or gift to public galleries; Organising Sec. PAULINE VOGELPOEL, M.B.E.

Imperial Arts League: The Royal Institute Galleries, 195 Piccadilly, London, W.1; f. 1909 to protect, advise and help artists and craftsmen resident in the British Commonwealth who enrol as members; Secs. REGINALD BLACKMORE, MALCOLM FRY.

Incorporated Institute of British Decorators and Interior Designers: Alderman House, 37 Soho Square, London, W.1; f. 1899 to promote the art or craft of decoration in all its branches and the profession of interior design, and to improve the status, training and qualification of its members; Gen. Sec. C. W. ALLEN, F.R.S.A., F.C.C.S.; publ. *The Record* (quarterly).

National Society of Painters, Sculptors and Engravers: Royal Institute Galleries, 195 Piccadilly, London, W.1; f. 1930 to hold an annual exhibition to represent all aspects of art under one roof without prejudice or favour to anyone; 70 mems.; Pres. STANLEY GRIMM, R.O.I., R.P.; Sec. REGINALD BLACKMORE; publ. *Catalogue of Exhibitions.*

New English Art Club: 6½ Suffolk Street, Pall Mall East, London, S.W.1; f. 1886; exhibition October-November, open to all artists; 47 mems., 3 hon. mems., 18 associates; Hon. Sec. VINCENT LINES; Hon. Treas. GEORGE CHARLTON; Sec. M. B. BRADSHAW; publ. *Catalogue of Annual Exhibition.*

Oriental Ceramic Society: 31B Torrington Square, London, W.C.1; f. 1921 to increase knowledge and appreciation of Eastern Ceramic and other arts; Pres. G. ST. G. M. GOMPERTZ, C.B.E.; Hon. Sec. Sir HARRY GARNER, K.B.E., C.B.

Royal Cambrian Academy of Art: Plas Mawr, Conway, N. Wales; f. 1881 for the promotion of the arts of painting, engraving, sculpture, architecture, and other forms of art in Wales; 100 mems.; Pres. W. MCALLISTER TURNER; Hon. Sec. Mrs. M. DELLA R. WHITEHEAD, S.W.A.; Curator Capt. F. LEES.

Royal Drawing Society: 6 Queen Square, London, W.C.1; f. 1888, inc. 1902; holds examinations in painting and handwriting (The Children's Royal Academy) to encourage the development of children's creative and imaginative faculties; 175 mems.; Pres. R. R. TOMLINSON, A.R.C.A., R.B.A.; Sec. W. MANSTON.

Royal Institute of Oil Painters: 195 Piccadilly, London, W.1; f. 1883; exhibitions October-November, open to all artists; 74 mems. and 4 hon. retd. mems.; membership limited to 100, exclusive of hon. mems.; Pres. IAIN MACNAB, R.E.; Sec. REGINALD BLACKMORE; publ. catalogue of exhibitions.

Royal Institute of Painters in Water Colours: 195 Piccadilly, London, W.1; f. 1831; exhibitions March-April, open to all artists; 71 mems., including 3 hon. retd. mems.; also 1 hon. sculptor mem.; Pres. ROWLAND HILDER; Sec. REGINALD BLACKMORE; publ. catalogue of annual exhibition.

Royal Society of British Sculptors: 6 Queen Square, London, W.C.1; f. 1904 for the promotion and advancement of the Art of Sculpture; 160 mems.; Pres. E. BAINBRIDGE COPNALL, M.B.E.; Vice-Pres. MICHAEL RIZZELLO; Sec. Mrs. NELL BRUSH.

Royal Society of Painters in Water Colours (*Old Water Colour Society*): 26 Conduit Street, London, W.1; f. 1804; exhibitions confined to the work of its members are held twice yearly; 50 mems.; Pres. ROBERT AUSTIN, R.A.; Sec. MALCOLM FRY, F.R.S.A.

Royal Society of Portrait Painters: 6½ Suffolk Street, Pall Mall East, London, S.W.1; f. 1891; 44 mems.; 2 hon. mems.; mems. limited to 50; Pres. Sir WILLIAM O. HUTCHISON, P.P.R.S.A., LL.D.; Hon. Sec. EDWARD HALLIDAY, P.R.B.A.; Sec. M. B. BRADSHAW; publ. *Catalogue of Annual Exhibition.*

Society of Designer Craftsmen, The: 6 Queen Square, London, W.C.1; f. 1888 to maintain a standard of integrity in materials and craftsmanship, and to bring the work of craftsmen before the public; 400 mems.; Pres. REGINALD MARLOW; Sec. Mrs. DENHOLM.

Society of Graphic Artists: Royal Institute Galleries, 195 Piccadilly, London, W.1; f. 1920; to create greater public interest in contemporary work of fine draughtsmanship and print making in colour and black and white; holds exhibitions; 70 mems.; Pres. STUART TRESILIAN; Sec. DAVID IORWERTH JOHN; publ. *Catalogue of Exhibitions.*

Society of Industrial Artists and Designers: 7 Woburn Square, London, W.C.1; f. 1930 as a professional organisation of those engaged in design or illustration for publishing, merchandising or publicity, and in the design of goods for production in quantity; Pres. JACK HOWE, R.D.I., F.R.I.B.A., F.S.I.A.; Exec. Sec. Mrs. A. TOWNSEND; publs. *Journal* (monthly), *Year Book.*

Society of Portrait Sculptors: R.W.S. Galleries, 26 Conduit Street, London, W.1; f. 1953 to hold an annual exhibition; Pres. FRANTA BELSKY, F.R.B.S., A.R.C.A.; Dir MALCOLM FRY, Hon. R.W.S.

Music

British Federation of Music Festivals: 106 Gloucester Place, London, W.1; inc. 1921; mems.: 280 Festivals, 650 gen. mems.; Patron H.M. The QUEEN; Pres. Sir ADRIAN BOULT; Sec. Mrs. EILEEN CRAINE; publ. *Year Book* (March).

Composers' Guild of Great Britain: 4 St. James's Square, London, S.W.1; f. 1945; Pres. Sir. ARTHUR BLISS; Vice-Pres. BENJAMIN BRITTEN, C.H., Sir WILLIAM WALTON; Sec. Mrs. T. LEVAN.

The Dolmetsch Foundation (an international society for Early Music and Instruments): Greenstead, Beacon Hill, Hindhead, Surrey; f. 1928; to encourage research and authentic performance; sponsors annual Haslemere Festival; Chair. H. O. YOUNG; Sec. and Treas. Mrs. A. H. EVANS; publ. *The Consort* (annually), *The Bulletin* (twice yearly).

English Folk Dance and Song Society: Cecil Sharp House, 2 Regent's Park Road, London, N.W.1; f. 1932 (Folk Song Society 1898, English Folk Dance Society 1911) to collect, study and preserve English folk dances and songs and other folk music and to encourage their performance; 10,500 mems.; library of 5,000 vols. and 3,000 recordings; Gen. Sec. K. G. GOODE; publs. *Journal, English Dance and Song.*

Incorporated Association of Organists: Regd. Office: 66 Swinley Road, Wigan, Lancs.; f. 1913 as the National Union of Organists' Associations and inc. 1929; 115 associations, with 8,000 mems., throughout the Commonwealth; aims to improve and advance the knowledge of their art among organists and choirmasters; administers a Benevolent Fund for organists; Pres. Prof. WILLIS GRANT; Hon. Sec. GEORGE GALLOWAY.

Incorporated Guild of Church Musicians: f. 1888; 350 mems.; Pres. Lord ILFORD, Q.C., M.C., M.A.; Vice-Pres. The Ven. The Archdeacon of LUDLOW, P.C.; Hon. Sec. Rev. GEORGE H. BROWNING, O.B.E., L.TH., Hon. C.F., St. George's Vicarage, Edgbaston, Birmingham.

Incorporated Society of Musicians: f. 1882;, inc. 1892; representative body of the profession of music in Great Britain; 5,000 mems.; Pres. YEHUDI MENUHIN, M.B.E.; Gen. Sec. DENIS BREARLEY, LL.B., 48 Gloucester Place, London, W.1; publs. *Handbook* (biennial), *Music Journal* (quarterly).

Plainsong and Medieval Music Society: f. 1888 for the publication of facsimiles, editions and catalogues of plain song and early polyphony; also for performing this music; library in Senate House, London University; Pres. Dr. HERBERT HOWELLS, C.B.E.; Sec. H. LL. JONES, 40A Westminster Palace Gardens, Artillery Row, London, S.W.1.

Renaissance Society: f. 1944 to propagate vocal and instrumental music of the English and Continental schools of ecclesiastical polyphony; Dir. and Founder MICHAEL HOWARD; Hon. Sec. BRUNO TURNER, 34 Highcroft Gardens, London, N.W.11.

Royal Musical Association, The: 44 Philip Victor Road, Handsworth, Birmingham, 21; f. 1874, inc. 1904, for the investigation and discussion of subjects connected with the art and science of music; 555 mems.; Pres. Prof. ANTHONY LEWIS; Sec. Dr. N. FORTUNE; publs. *Proceedings* (annual), *Musica Britannica* (Vols. I-XXI, XXIV already published, *Research Chronicle* (irregularly).

Rural Music Schools Association: Little Benslow Hills, Hitchin, Herts.; f. 1934 by the existing Rural Music Schools to co-ordinate their policy, supervise their work, and establish new schools; over 14,000 students in all Rural Music Schools; Pres. The Earl of HAREWOOD; Dirs. HELEN WRIGHT and BERNARD SHORE; Sec. JENNIFER HOUGHTON; publs. *Annual Report, Making Music* (thrice yearly), *Graded Lists of Music for String Class Teaching, Chamber Music, Orchestral Music.*

Society for the Promotion of New Music: 4 St. James' Square, London, S.W.1; f. 1943; 450 mems.; monthly recitals of new chamber music; new orchestral works also performed twice every year; Pres. BENJAMIN BRITTEN, C.H.; Vice-Pres. WILLIAM ALWYN, LENNOX BERKELEY, C.B.E., Sir ARTHUR BLISS, Sir ADRIAN BOULT, ALAN RAWSTHORNE, Dr. EDMUND RUBBRA, MICHAEL TIPPETT, Sir WILLIAM WALTON; Founder FRANCIS CHAGRIN; Sec. Mrs. C. MITCHESON.

Cinematography and Photography

British Film Institute: 81 Dean Street, London, W.1; f. 1933; its aim is to encourage the development of the art of the film and television, to promote their use as a record of contemporary life and to foster their study and public appreciation; among its activities are the upkeep of the National Film Archive, which also preserves telerecordings, the direction of the National Film Theatre, and the running of an Information Dept., Lecture Service and Film Library; 45,000 mems. in 50 countries; in receipt of annual government grant; Dir. STANLEY REED; publs. *Sight and Sound* (quarterly illustrated), *Contrast* (illustrated television quarterly), *Monthly Film Bulletin.*

Institute of Incorporated Photographers: 38 Bedford Square, London, W.C.1; f. 1901; represents professional photographers; to improve the quality of photography; to establish recognised examinations and standards of conduct; to safeguard the interests of the public and the profession; mems. approx. 4,000; Sec. J. L. A. HUNT, F.C.C.S.; publ. *Record* (monthly).

Royal Photographic Society of Great Britain: 16 Princes Gate, London, S.W.7; f. 1853 for the advancement of the science and art of photography; 7,000 mems.; library of 8,000 vols.; Perm. Collection of 5,000 historical photographs; Pres. H. D. J. COLE; Sec. L. E. HALLETT; publs. *The Photographic Journal* (pictorial and general, monthly); *Journal of Photographic Science* (bi-monthly), *Photographic Abstracts* (8 issues a year).

Bibliography, Library Science and Museology

Aslib (incorporating the Association of Special Libraries and Information Bureaux and the British Society for International Bibliography): 3 Belgrave Square, London, S.W.1; f. 1924; an association of industrial and commercial firms, Government departments, research associations and institutions, universities and learned societies providing an intelligence service on all subjects at research level for mems., the services of consultants in library management and documentary reproduction services; maintaining registers of scientific translations and specialist translators and indexers; holding an annual conference and meetings and publishing various papers, manuals, and periodicals; membership of 2,700 firms, universities, Government departments, research establishments, learned societies, etc., grant-aid by H.M. Department of Scientific and Industrial Research; Pres. Lord SHACKLETON of BURLEY; Dir. LESLIE WILSON, M.A.; publs. *Index to Theses accepted for Higher Degrees in the Universities of Great Britain and Ireland* (annually), *The Journal of Documentation* (quarterly), *Aslib Proceedings incorporating Aslib Information* (monthly), *Aslib Book List* (monthly), and handbooks and directories; library: *see* Libraries.

Bibliographical Society: British Academy, Burlington Gardens, London, W.1; f. 1892; 880 mems.; Pres. S. NOWELL-SMITH; Hon. Secs. Sir F. FRANCIS, K.C.B. and R. J. ROBERTS; publs. *The Library* (quarterly), various books on bibliographical subjects.

Cambridge Bibliographical Society: 1 Trinity Street, Cambridge; f. 1949; 500 mems.; Pres. Sir GEOFFREY KEYNES; Hon. Sec. and Treas. E. P. WARNER; publs. *Transactions* (annual), *Monographs* (irregular).

Edinburgh Bibliographical Society: c/o National Library of Scotland, George IV Bridge, Edinburgh, 1; f. 1890 (the oldest bibliographical society in Great Britain) for discussion and elucidation of questions connected with books, printed or manuscript, especially Scottish, the promotion and encouragement of bibliographical studies, the exhibition of rare or remarkable books, and the printing of bibliographical works; approx. 150 mems.; Hon. Sec. J. R. SEATON, M.A.; Hon. Treas. M. A. BEGG, M.A.

Friends of the National Libraries: c/o The British Museum, London, W.C.1; f. 1931 to promote the acquisition of printed books and MSS. of historical, literary or archæological significance for libraries of national importance; Chair. Lord KENYON, D.L., J.P., LL.D.; Hon. Sec. T. S. BLAKENEY; publ. *Annual Report.*

Library Association: 7 Ridgmount Street, London, W.C.1; f. 1877; 15,000 mems.; Pres. Miss LORNA PAULIN; Sec. H. D. BARRY, D.P.A.; publs. include *Library Association Record, British Technology Index* (monthly), *British Humanities Index, Library Science Abstracts* (quarterlies), *Year Book, Student's Handbook* (annuals); library: *see* Libraries.

Museums Association: 87 Charlotte Street, London, W.1; f. 1899; 1,516 mems.; conducts Diploma examinations; Pres. Sir FRANK FRANCIS, K.C.B., M.A., F.S.A., F.M.A.; Hon. Sec. A. A. CUMMING, F.M.A.; Hon. Treas. CHARLES CARTER, M.SC., F.S.A.(SCOT.), F.M.A.; Chair. of Education Cttee. T. A. WALDEN, F.M.A.; Sec. Miss A. M. BUCK, F.M.A.; publs. *Museums Journal* (quarterly), *Bulletin* (monthly), *Museums Calendar* (annual).

National Book League: 7 Albemarle Street, London, W.1; a non-profit-making organisation; f. 1944; originally founded in 1925 as The National Book Council to extend the use and enjoyment of books, which is still its aim; provides book lists, Readers' Guides and book information services; organises meetings, mainly at its London headquarters, and exhibitions all over the country; over 10,000 mems.; library of over 6,000 books

about books; special collections: James Joyce, Arts Council Poetry Library, Marino Perez Book Plate; Pres. H.R.H. The DUKE OF EDINBURGH, K.G.; Dir.-Gen. J. E. MORPURGO; Sec. G. P. GLYNN; publ. *Books.*

Standing Commission on Museums and Galleries: 6 Carlton House Terrace, London, S.W.1; appointed 1931; objects (1) to advise generally on questions relevant to the most effective development of the National Institutions as a whole, and on any specific questions which may be referred to them from time to time; (2) to promote co-operation between the National Institutions themselves, and between the National and Provincial Institutions; (3) to stimulate the generosity and direct the efforts of those who aspire to become public benefactors; Chair. The Earl of ROSSE, M.R.I.A., F.S.A., F.R.A.S., LL.D.; Sec. Miss A. L. T. OPPÉ.

Standing Conference of National and University Libraries (SCONUL): f. 1950 to promote the work of the national and university libraries; 57 libraries are mems.; Chair. W. BEATTIE, C.B.E., LL.D.; Hon. Sec. K. W. HUMPHREYS, B.LITT., M.A., The Library, The University, Edgbaston, Birmingham 15.

ECONOMICS, LAW AND POLITICS

Association of Certified and Corporate Accountants: 22 Bedford Square, London, W.C.1; f. 1905; 11,000 mems.; Pres. G. L. BARKER, F.A.C.C.A.; Sec. F. CAMERON OSBOURN, M.B.E., B.A., LL.B.; publs. *Accountants' Journal* (monthly), *List of Members*, various research publications.

Association of International Accountants Ltd.: 5, 6 and 7 New Street, Bishopsgate, London, E.C.2; f. 1928, inc. 1932, to provide an international organisation for accountants in all parts of the world, and to safeguard and advance their professional status; 4,450 mems. and students; Chair. EDWIN P. HUBBARD, F.A.I.A.; Sec. CHARLES E. TAYLOR, F.C.I.S.; publs. *International Accountants' Journal* (quarterly), *Year Book and List of Members.*

Britain in Europe: Europe House, 43 Parliament Street, London, S.W.1; f. 1958 to help industrial and commercial companies, banks and trade unions to keep abreast of developments in the field of European economic integration and bring their staffs into closer contact with their continental counterparts through various exchanges; Pres. and Chair. Rt. Hon. Lord GLADWYN, G.C.M.G., G.C.V.O., C.B.; Dep. Chair. Rt. Hon. Lord HARLECH, P.C., K.G.M.G., Sir GEOFFREY DE FREITAS, K.C.M.G., M.P.; Exec. Sec. R. J. JARRETT; publs. *Britain in Europe Review, Industrial and Commercial Integration in Europe, Europe House Papers.*

British Academy of Forensic Sciences: 28 Portland Place, London, W.1; f. 1959 to advance forensic science in all its aspects to the benefit of justice and the law; annual meetings; over 500 mems.; Pres. L. HARRISON MATHEWS, SC.D., F.R.S.; publ. *Medicine, Science and the Law* (quarterly).

British Institute of International and Comparative Law: 1 Temple Gardens, London, E.C.4; f. 1960 by the amalgamation of the Grotius Society and the Society of Comparative Legislation and International Law; plans a survey of Colonial law; provides information on foreign company law, foreign laws on restrictive trade practises and the protection of industrial property, patents and copyright; Chair. Lord DENNING; Chair. for public international law section Lord SHAWCROSS; comparative law, including Commonwealth, Colonial, and foreign law Mr. Justice DIPLOCK; private international law Mr. Justice KARMINSKI; Dir. N. S. MARSH; publs. (in assoc.) *International and Comparative Law Quarterly, British Digest of International Law and Practice.*

Chartered Institute of Secretaries of Joint Stock Companies and Other Public Bodies: 16 Park Crescent, London, W.1; f. 1891 as a professional organisation for secretaries of incorporated bodies; over 30,000 mems.; Patron: H.M. THE QUEEN; Pres. L. R. MURRAY, F.C.I.S.; Sec. JOHN F. PHILLIPS, O.B.E., LL.M., F.C.I.S.; Librarian Miss M. SKIPP, A.L.A.; publs. *The Chartered Secretary* (monthly), *Secretariat Practice*, etc.

Chartered Insurance Institute: The Hall, 20 Aldermanbury, London, E.C.2; inc. by Royal Charter 1912 with the object of providing and maintaining a central organisation for the promotion of efficiency and progress among insurance employees; primarily an examining body; approx. 50,000 mems.; library of about 19,000 vols.; Pres. W. L. GRANT, F.C.I.I.; Sec. H. A. L. COCKERELL, O.B.E., B.A., F.C.I.I.; Librarian O. W. PENDLETON, M.A., F.L.A.; publ. *Journal* (annually).

Corporation of Secretaries, The: 13 Devonshire Street, London, W.1; inc. 1923; 10,000 mems.; Pres. Prof. T. E. CHESTER, M.A.(Econ.), LL.D., F.C.C.S.; Sec. F. H. J. WILEMAN, LL.B., F.C.C.S.; publ. *Secretaries Chronicle* (monthly).

Council of Legal Education: 4 Gray's Inn Place, London, W.C.1; constituted in 1852 for the purpose of superintending the education and examination of students preparing for call to the Bar at the four Inns of Court; the Council is a committee of the four Inns entrusted with educational duties; teaching staff (approx.) 60 barristers; Chair. The Hon. Mr. Justice LLOYD JACOB; Dir. Sir FRED. PRITCHARD, M.B.E., LL.D.; Sec. and Deputy Dir. T. HARVATT, C.M.G.; publ. *Calendar* (annually in Sept.).

Electoral Reform Society: Albany Institute, Creek Road, London, S.E.8; f. 1884 to secure an effective vote for every parliamentary and local government elector by the adoption of the single transferable vote form of proportional representation for all elections of representative bodies, and similarly for elections in all voluntary organisations; 1,000 mems.; comprehensive reference library; Chair. HAROLD E. B. BRIGHTLEY, T.D.; Sec. Miss ENID LAKEMAN, B.SC.

Fabian Society: 11 Dartmouth Street, London, S.W.1; f. 1884 for the furtherance of socialism and the education of the public on socialist lines; 5,000 mems.; Chair. Rt. Hon. ANTHONY WEDGWOOD BENN, M.P.; Gen. Sec. The Hon. THOMAS PONSONBY; publs. *Venture, Fabian News* (monthly), books and pamphlets.

General Council of the Bar: Carpmael Building, Temple, London, E.C.4; f. 1894; Chair. J. P. MOLONY, Q.C.; Sec. W. W. BOULTON, C.B.E., T.D.

Hansard Society for Parliamentary Government: 162 Buckingham Palace Road, London, S.W.1; f. 1944 for promoting knowledge of and interest in parliamentary government; 1,600 mems.; 3,000 vols. in library; Chair. Sir EDWARD FELLOWES K.C.B., C.M.G., M.C.; publ. *Parliamentary Affairs* (quarterly).

Institute for Strategic Studies, The: 18 Adam Street, London, W.C.2; f. 1958; aims to promote discussion and research on the problems of defence, disarmament and international security in the nuclear age; international membership and Council; approx. 500 full mems. and 250 assoc. mems.; Pres. The Rt. Hon. Earl ATTLEE; Chair. of the Council RICHARD GOOLD-ADAMS; Dir. The Hon. ALASTAIR BUCHAN; publs. *Survival* (monthly), *The Military Balance* (annual), *Adelphi Papers* (monographs), Studies in International Security: *NATO in the 1960s, Control of the Arms Race, Men in Uniform, World Order and New States, The Spread of Nuclear Weapons, Arms and Stability in Europe, Strategic Mobility, The Security of Southern Asia, China and the Peace of Asia.*

Institute of Actuaries: Staple Inn Hall, High Holborn, London, W.C.1; f. 1848, inc. 1884, for the elevation of the attainments and status of all who are engaged in actuarial pursuits, etc.; approx. 2,800 mems.; library of 10,000 vols.; Pres. H. TETLEY, C.B., M.A.; Hon. Secs. R. S. SKERMAN, J. HAMILTON-JONES, M.A.; publ. *Journal*.

Institute of Bankers: 10 Lombard Street, London, E.C.3; f. 1879 to facilitate the consideration and discussion of matters of interest to bankers, and to afford opportunities to its mems. for the acquisition of a knowledge of the theory of banking; 60,000 mems.; library of 25,000 vols.; Pres. D. A. STIRLING; Sec. HENRY EASON; Librarian PETER SPIRO; publs. *Journal* (six times a year), *Questions on Banking Practice, Legal Decisions Affecting Bankers*.

Institute of Bankers in Scotland: 62 George Street, Edinburgh, 2; f. 1875 to improve the qualifications of those engaged in banking, and to raise their status and influence; 7,500 mems.; Sec. F. S. TAYLOR; publ. *Scottish Bankers' Magazine* (quarterly).

Institute of Chartered Accountants in England and Wales: City House, 56–66 Goswell Road, London, E.C.1; f. 1880 by Royal Charter for the elevation of the profession of public accountants as a whole and the promotion of their efficiency and usefulness; 40,000 mems.; library of 20,000 vols.; Pres. ROBERT MCNEIL, F.C.A.; Sec. C. EVAN-JONES, M.B.E.; Librarian H. W. THOMSON; publ. *Accountancy* (monthly).

Institute of Chartered Accountants of Scotland, The: 27 Queen Street, Edinburgh 2; f. 1854; to deal with professional matters concerning its members; 7,575 mems.; libraries with 17,900 books; Pres. ROBERT BROWNING, C.B.E., M.A., LL.B.; Sec. E. H. V. MCDOUGALL; publs. *Annual Report, Official Directory of Members* (annual), *The Accountants' Magazine* (monthly).

Institute of Cost and Works Accountants: 63 Portland Place, London, W.1; f. 1919 to promote the adoption of scientific methods in cost and management accountancy; and to provide a professional organisation; 9,000 mems.; publ. *Management Accounting*.

Institute of Economic Affairs: Eaton House, 66A Eaton Square, London, S.W.1; f. 1956; to improve understanding of economics and its applications to business and public policy; Gen. Dir. RALPH HARRIS; publs. major studies, statistical surveys, *Hobart Papers* (shorter studies).

Law Society: Law Society's Hall, Chancery Lane, London, W.C.2; f. 1825; 19,081 mems.; Pres. DEREK PERCY HILTON, M.B.E., B.A.; Sec. Sir THOMAS LUND, C.B.E.; publ. *Gazette* (monthly); library: *see* Libraries.

London and Cambridge Economic Service: London School of Economics and Political Science, Houghton Street, Aldwych, London, W.C.2; f. 1923 by economists of London and Cambridge Universities with the aim of providing a service of statistical information and considered interpretations of the facts of current economic developments in the United Kingdom and elsewhere; Sec. H. B. ROSE, B.COM.; publs. quarterly bulletins which appear as supplements to the March, June, September and December issues of *The Times Review of Industry*, Printing House Square, London, E.C.4.

Overseas Development Institute: 160 Piccadilly, London, W.1; f. 1960 to act as a research centre, forum and stimulus for the development of the countries of Africa, Asia and Latin America; Chair. Sir LESLIE ROWAN, K.C.B., C.V.O.; Dir. WILLIAM CLARK.

Royal Economic Society: The Marshall Library, Sidgwick Avenue, Cambridge; f. 1890; 7,000 mems.; Pres. Prof. J. E. MEADE, C.B., F.B.A.; Sec. Prof. AUSTIN ROBINSON, C.M.G., O.B.E., F.B.A.; publ. *Economic Journal* (quarterly).

Royal Faculty of Procurators in Glasgow, The: 34 West George Street, Glasgow, C.2; inc. long prior to 1668, and by Royal Charter 1796; a legal society; 486 mems.; library of 43,540 vols.; Dean THOMAS PATRICK SPENS, O.B.E., M.C., M.A. (CANTAB).; Clerk, Treasurer and Fiscal A. F. FERGUSON, T.D., B.L.; Librarian G. C. A. TERRY.

Royal Institute of Public Administration: 24 Park Crescent, London, W.1; f. 1922 to promote the study and improve the practice of public administration; many public authorities (including governments) and over 4,000 public officials; Pres. Rt. Hon. Lord BRIDGES, P.C., G.C.B., G.C.V.O., M.C., F.R.S.; Dir. RAYMOND NOTTAGE, C.M.G.; publ. *Public Administration* (quarterly), books and pamphlets.

Royal Statistical Society: 21 Bentinck Street, London, W.1; f. 1834; approx. 3,400 mems.; Pres. L. H. C. TIPPETT, Hon. Secs. B. P. EMMETT, S. V. CUNLIFFE, J. A. HEADY; publs. *Journal* (Series A quarterly), *Journal* (Series B, 3 parts annually), *Applied Statistics* (3 parts annually).

Selden Society: c/o Institute of Advanced Legal Studies, 25 Russell Square, London, W.C.1; f. 1887; 1,250 mems.; Pres. Prof. A. L. GOODHART, K.B.E., Q.C., F.B.A.; Hon. Treas. RUDYARD H. RUSSELL; Literary Dir. Prof. T. S. F. C. MILSOM; Sec. K. HOWARD DRAKE; publ. over 80 vols. on sources and other aspects of English legal history.

Stair Society: 2 St. Giles' Street, Edinburgh 1; f. 1934 to encourage the study and advance the knowledge of the history of Scots Law; 545 mems.; Pres. Lord CLYDE, LL.D.; Chair. of Council Prof. T. B. SMITH; Sec. for U.S.A. JOHN H. TUCKER, Jnr., LL.D.; Sec. G. R. THOMSON, T.D., PH.D.

EDUCATION

Central Bureau for Educational Visits and Exchanges: 55A Duke Street, Grosvenor Square, London, W.1; f. 1948; Chair. Sir RONALD GOULD, M.A., F.E.I.S.; Sec JAMES PLATT, M.A.; publs. *Special opportunities for Visits Abroad, Working Holidays Abroad, Vacation Courses Abroad, Information for Young Visitors to Britain*.

City and Guilds of London Institute: 76 Portland Place, London, W.1; f. 1878; for the advancement of technical education and the holding of related examinations; 440 mems.; Chair. A. M. HOLBEIN, C.B.E., F.C.G.I., D.I.C., B.SC.(ENG.), M.I.C.E.; Dir.-Gen. Maj.-Gen. C. LLOYD, C.B., C.B.E., T.D., B.SC., F.INST.P.; publs. *Annual Report, Broadsheet, General Regulations*.

College of Preceptors: 2 and 3 Bloomsbury Square, London, W.C.1; f. 1846, incorporated by Royal Charter 1849; Pres. Prof. H. C. DENT, B.A., F.C.P.; Dean B. E. LAWRENCE, C.B.E., M.A., PH.D.; Sec. J. VINCENT CHAPMAN, F.C.P.; provides courses on School Administration for Head Teachers and their Deputies and awards teaching qualifications of Associateship, Licentiateship and Fellowship; publs. *Education Today* (bi-monthly), *Teachers' Guide* (annual), *Your Secondary Modern Schools*.

Committee of Vice-Chancellors and Principals of the Universities of the United Kingdom: 36 Gordon Square, London, W.C.1; Chair. Sir CHARLES WILSON, M.A., LL.D.; Sec. A. A. BATH, B.SC.(ECON.).

Commonwealth Education Liaison Unit: Marlborough House, Pall Mall, London, S.W.1; f. 1960; the Unit was formed on the recommendation of the Commonwealth Education Conference, July 1959, to assist the Commonwealth Education Liaison Committee in the task of matching educational needs and educational resources in countries of the Commonwealth; Dir. F. K. STEWART, LL.D.

Council for National Academic Awards: 24 Park Crescent, London, W.1; established by Royal Charter in September 1964 with powers to award degrees, diplomas and other academic awards to persons who have successfully pursued courses of stndy approved by the Council ta educational establishments other than universities or who have successfully carried out research work under the supervision of an educational or research establishment other than a university. The Council will deal with Scottish colleges as well as colleges in England and Wales. The Council will supersede the National Council for Technological Awards and will take over the Diploma in Technology Scheme as well as the work of the College of Technologists; Chair. Lord KINGS NORTON, D.SC., PH.D., D.I.C., M.I.MECH.E., F.R.AE.S., F.INST.F.; Registrar and Sec. F. R. HORNBY, M.B.E., M.A.

Council for Technical Education and Training for Overseas Countries: Eland House, Stag Place, Victoria, London, S.W.1; f. 1962 by H.M. Government to intensify British assistance, non-governmental as well as governmental in the field of technical education and training for overseas countries. The Council is advisory mainly to the British Government (and particularly the Ministry of Overseas Development), but also recruits staff for technical, commercial and management education and training overseas, including highly qualified persons to be principals of technical colleges and advisers to Governments. Chair. F. J. PEDLER, M.A.; Sec. H. M. COLLINS, O.B.E., M.A.

Educational Foundation for Visual Aids: 33 Queen Anne Street, London, W.1; f. 1948; set up by the Ministry of Education in conjunction with the local education authorities for the promotion, production and distribution of visual aids in education; Dir. J. A. HARRISON.

Educational Interchange Council, (Inc.), The: 43 Russell Square, London, W.C.1; f. 1947; promotes and assists educational visits and exchanges; Pres. ROBERT BIRLEY, C.M.G., F.S.A., M.A., D.C.L.; Chair. FRANK E. BELL, M.A.; Gen. Sec. T. RENDALL DAVIES.

Inter-University Council for Higher Education Overseas: 33 Bedford Place, London, W.C.1; f. 1946 to encourage co-operation where desired between the universities in the United Kingdom and university institutions in East, West and Central Africa, Basutoland, Bechuanaland Protectorate and Swaziland, the Sudan, the West Indies, Hong Kong, Malaya, Singapore and Malta and such other countries as may be determined; to assist generally in the development of higher education in the countries listed above; Chair. Sir JOHN FULTON; Sec. I. C. M. MAXWELL.

National Froebel Foundation: 2 Manchester Square, London, W.1; formed 1938 by amalgamation of National Froebel Union (f. 1887) and the Froebel Society to make the Foundation a centre of education by means of conferences, lectures, library facilities, and other activities; 2,000 mems.; library of over 6,000 vols.; Chair. Dame JOYCE BISHOP, D.B.E., M.A.; Organising Dir. Miss A. L. MURTON; Sec. Miss E. F. ELLERCAMP; publs. *Bulletin* (alternate months), *Froebel Journal* (3 times a year).

National Institute of Adult Education (England and Wales): 35 Queen Anne Street, London, W.1; f. 1949 by incorporation of the British Institute of Adult Education and the National Foundation for Adult Education to promote understanding and co-operation between bodies and individuals engaged in adult education, to encourage inquiry and experiment and serve as a centre of information; both corporate and individual membership; Sec. E. M. HUTCHINSON, O.B.E., M.A.; publs. *Adult Education* (bi-monthly), *Bibliography, Year Book of Adult Education, Calendars of Residential Short Courses, Research Studies.*

Parents' National Educational Union (Incorporated): Murray House, Vandon Street, London, S.W.1; f. 1888 to maintain a high standard of education by means of a liberal curriculum and the use of Charlotte Mason's principles as set forth in her books; Chair. Mrs. G. WALTON; Admin. Sec. Miss P. P. GILMOUR; publ. *Parents' Review* (monthly).

University Grants Committee: 14 Park Crescent, London, W.1; f. 1919 to enquire into the financial needs of university education in Great Britain and to advise the Government on the application of any grants made by Parliament towards meeting them; to collect, examine and make available information relating to university education throughout the United Kingdom; and to assist, in consultation with the universities and other bodies concerned, the preparation and execution of such plans for the development of the universities as may from time to time be required in order to ensure that they are fully adequate to national needs; Chair. Sir JOHN WOLFENDEN, C.B.E., M.A.; Sec. E. R. COPLESTON; publs. *Returns from Universities and University Colleges in receipt of Treasury grant* (annually), *University Development* (every five years).

Workers' Educational Association: Temple House, 27 Portman Square, London, W.1; f. 1903 to stimulate public interest in education and to provide opportunities for adults to pursue liberal studies and to encourage them to render effective service to the community; co-operates with the universities and university colleges through its twenty-one districts in joint cttees., for the provision of classes including tutorial classes based on a three-year period of study; it is recognised by the Ministry of Education as a Responsible Body, and the classes which it provides independently rank for grants from public funds; 34,700 mems., 115,000 students; Pres. Prof. ASA BRIGGS, M.A.; Gen. Sec. HARRY NUTT, M.A.; Education Officer Miss MARGARET MARSH, B.A.; publs. *Highway*, works on adult education and *Annual Report.*

Educational Foundations

Animal Health Trust (formerly Veterinary Educational Trust): 14 Ashley Place, London, S.W.1; f. 1942 to raise money for the purpose of advancing the health of all types of animals through improving the facilities for veterinary education, post-graduate specialisation in research and other fields, the establishment and running of research stations, and the provision of a hospital and laboratory diagnosis service behind the veterinary practitioner; four research stations—equine, canine, poultry and farm livestock; Pres. His Grace The Duke of NORFOLK, K.G., P.C., G.C.V.O.; Hon Treas. His Grace The Duke of DEVONSHIRE, M.C.; Scientific Dir. and Chair. of Council Dr. W. R. WOOLDRIDGE, C.B.E., M.SC., F.R.C.V.S., F.R.I.C.; Chair. Exec. Cttee. The Viscount LEVERHULME, T.D.; Gen. Sec. L. T. NECK, M.C., T.D.; publ. *Animal Health* (quarterly), and periodic technical reports.

Beit Memorial Fellowships for Medical Research: Lister Institute, Chelsea Bridge Road, London, S.W.1; f. 1909 to promote the advancement of research in medicine and allied sciences; the fellowships are open to any man or woman, without restriction as to nationality, who has taken a degree in any faculty in any university of Her Majesty's Dominions, Protectorates and Mandated Territories, India, Pakistan or the Republic of Ireland, approved by the Trustees; Junior Fellowships, £900, £950 and £1,000 p.a. for 3 years; 4th year Fellowships, £1,100 for 1 year; Senior Fellowships, £1,300 p.a. for 3 years; Chair. Rt. Hon. Lord FRANKS, P.C., G.C.M.G., K.C.B., C.B.E.

Calouste Gulbenkian Foundation: 98 Portland Place, London, W.1; administers grants and awards for the Gulbenkian Foundation in the area of the United

Kingdom and the Commonwealth; Sec. J. C. THORNTON; *see also* Fundação Calouste Gulbenkian, Lisbon.

Carnegie Trust for the Universities of Scotland: The Merchants' Hall, Hanover Street, Edinburgh; f. 1901; one-half of the net annual income (normally about £150,000) is applied towards the improvement and expansion of the Universities of Scotland, in the Faculties of Science and Medicine, also for improving and extending the opportunities for scientific study and research, and to increasing the facilities for acquiring a knowledge of History, Economics, English Literature and Modern Languages, and such other subjects cognate to a technical or commercial education as can be brought within the scope of the University curriculum; the other half of the income, or such part thereof as in each year may be found requisite, is devoted to the payment of the whole or part of the ordinary class fees exigible by the Universities from certain qualified students of Scottish birth or extraction, and of 16 years of age or upwards, or scholars who have given two years attendance after the age of 14 years, at such Schools and Institutions in Scotland as are under inspection by the Scottish Education Department; any unexpended income from this second purpose being transferable to the first purpose; Sec. and Treas. T. ERSKINE WRIGHT, M.A.

Carnegie United Kingdom Trust: Comely Park House, Dunfermline, Fife; f. 1913; to promote the well-being of the masses of the people of Great Britain and Ireland by "charitable" methods; Sec. D. N. LOWE; publ. *Annual Report*.

Cassel Educational Trust: 21 Hassocks Road, Hurstpierpoint, Sussex; f. 1919; Chair. Sir IFOR EVANS; Sec. DAVID HARDMAN; benefactions to the Women's Colleges at Oxford and Cambridge and to the University of London for the Faculty of Commerce. Periodic grants to Adult Education Institutions and for the promotion of modern language studies; Edwina Mountbatten Grants to Commonwealth students taking courses in U.K.

Chadwick Trust: 90 Buckingham Palace Road, London, S.W.1; f. 1895 for the promotion of sanitary science and the training of the population therein; Chair. Sir W. ALLEN DALEY, B.A., M.D., B.SC., B.S., F.R.C.P., D.P.H.; Vice-Chair. Sir ARTHUR MASSEY, C.B.E., M.D., D.P.H., D.P.A., HON. F.A.P.H.A.; Clerk to the Trustees P. ARTHUR WELLS, M.A., M.SC., F.C.C.S., F.INST.P., HON. F.A.P.H.A.

Ciba Foundation: 41 Portland Place, London, W.1; f. 1949; to advance and promote the study of and research in all branches of the sciences of chemistry, medicine and biology, and in particular to promote international co-operation in medical and chemical research; Dir. and Secretary to the Exec. Council Dr. G. E. W. WOLSTENHOLME, O.B.E., F.R.C.P., F.I.BIOL.; library.

Dartington Hall Trust: Totnes, South Devon; comprises a progressive co-educational school, Arts Centre, Music Teachers' Training School, Adult Education Centre and Research Department for forest economics; Trustees: L. K. ELMHIRST (Chair.), D. W. ELMHIRST, A. O. ELMHIRST, M. YOUNG, W. K. ELMHIRST, M. A. ASH, P. SUTCLIFFE (Sec.).

Drapers, Worshipful Company of: Drapers' Hall, Throgmorton Street, London, E.C.2; Master EDWARD PLAYNE, D.SC.; Clerk H. FARMAR; First Charter: Edward III, 1364; Acting Charter: James I, 1606.

Exhibition of 1851, Royal Commission for the: 1 Lowther Gardens, Exhibition Road, London, S.W.7; incorporated by Supplemental Charter as a permanent Commission after winding up the affairs of the Great Exhibition, 1851; its object is the promotion of scientific and artistic education by means of funds derived from its Kensington Estate, purchased with the funds left over from the Exhibition; Chair. Board of Management Lord MURRAY; Chair. Science Scholarships Cttee. Prof. R. S. NYHOLM; Sec. W. D. STURCH.

Gilchrist Education Trust: 1 York Street, London, W.1; the Trust was founded by the will of Dr. John Borthwick Gilchrist (who died in 1841) for the "benefit, advancement and propagation of education and learning in every part of the world as far as circumstances will permit". Trustees: HUMPHREY WHITBREAD, M.A., FRANK R. SALTER, O.B.E., M.A., The Lord SHUTTLEWORTH, M.C., M.A., D.L., J.P., Sir JOHN WOLFENDEN, C.B.E., M.A., Miss LILIAN E. CHARLESWORTH, C.B.E., B.A.; Sec. S. J. WORSLEY, D.S.O., M.C., M.A., LL.D.

Goldsmiths' Company: Goldsmiths' Hall, Foster Lane, Cheapside, London, E.C.2; f. 1327; the Company, in addition to maintaining close contact with the gold, silver and jewellery industries, makes grants for educational and other purposes. The Company offers Fellowships in Applied Science; Travelling Fellowships for members of the academic staff of Colleges of Advanced Technology; University Studentships for postgraduate study at African colleges and universities; and grants (i) to enable schoolmasters and mistresses to travel abroad during periods of sabbatical leave; (ii) undergraduates from British public schools to attend Commonwealth universities; (iii) and undergraduates of certain London colleges to travel abroad during the long vacation.

Grocers' Company: Grocers' Hall, Princes Street, London, E.C.2; f. 1345; Clerk Cmdr. A. C. MATHEWS, O.B.E., R.N.; (1) Laxton Grammar School, Oundle, Northants. (founded and endowed as a free grammar school, 1556); the Court of the Company manage and maintain this Grammar School for the sons of residents in the town and neighbourhood. (2) Oundle School, Northants.; established by the Grocers' Company in 1876; the Court is the Governing Body.

Gulbenkian Foundation: *see* Calouste Gulbenkian Foundation (above).

Haberdashers' Company: Haberdashers' Hall, Staining Lane, London, E.C.2; f. 1448; the Company has certain educational grants, scholarships and exhibitions.

Harkness Fellowships of the Commonwealth Fund of New York: Harkness House, 38 Upper Brook Street, London, W.1; a philanthropic foundation endowed by the late Mrs. Stephen V. Harkness and the late Mr. and Mrs. Edward Harkness; Harkness Fellowships for study and travel in the United States of America are available (i) to British subjects who, at the time of application, are citizens of the United Kingdom or a present British colony by reason of birth or naturalisation; (ii) by invitation only, to selected applicants from Western European countries. Conditions of eligibility, award and tenure are published in memoranda, which may be obtained from the Warden (S. GORLEY PUTT), Harkness House. Final selection for the United Kingdom Fellowships is made by a Committee of Award: Sir ERIC ASHBY, F.R.S. (Chair.), The COUNTESS OF ALBERMARLE, D.B.E., D. G. CHRISTOPHERSON, O.B.E., F.R.S., F. W. D. DEAKIN, D.S.O., Lord HOLFORD, Sir ROBERT SHONE, C.B.E., Sir CHARLES WILSON, Dr. E. G. WOODROOFE. Awards are also available to candidates from (iii) Australia, and (iv) New Zealand.

King George's Jubilee Trust: St. James's Palace, London, S.W.1; 1935; to advance the physical, mental and spiritual welfare of the younger generation and especially of young persons who are aged between 14 and 20; Trustees: Rt. Hon. Lord ASHBURTON, Rt. Hon. Lord MIDDLETON, K.G., M.C., T.D., Rt. Hon. Lord WARDINGTON; Chairman of Administrative Council H.R.H. The Duke of GLOUCESTER, K.G.; Sec. D. S. MILLER, C.B.E.; (Offices: 166 Piccadilly, London, W.1).

Leathersellers of the City of London, Worshipful Company of: 15 St. Helen's Place, London, E.C.3; Clerk JOHN HINGSTON, B.A., First Charter 1444; the Company awards (*a*) Theological Exhibitions tenable at the Universities of Oxford, Cambridge and London, and (*b*) Secular Exhibitions tenable at either Oxford or Cambridge; the Exhibitions are open to male undergraduates in residence at the Universities and boys at Public and recognised Secondary Schools who desire to proceed to a University; candidates must satisfy the Company of their educational attainments and that they are in need of financial aid to complete or proceed to a University Course.

Leverhulme Research Awards: Room 904, 21–23 New Fetter Lane, London, E.C.4; f. 1933; Awards, Fellowships and Grants are awarded to senior workers who are prevented by routine duties or pressure of work from carrying out research. They are limited to British-born subjects normally resident in the United Kingdom. In exceptional circumstances the Trustees may waive the condition as to residence. The duration of the awards does not extend over more than two years or less than three months, and the amount depends on the nature of the research and the circumstances of the applicant. Chair. Advisory Committee Sir JAMES MOUNTFORD, M.A., D.LITT.; Sec. Miss M. BRANNEY.

Lord Kitchener National Memorial Fund: 50 Pall Mall, London, S.W.1; f. 1916; about 40 scholarships awarded annually to sons of serving or ex-Service personnel of H.M. Forces, tenable at British and Irish universities or approved institutions of university rank, including medical schools, age limit 17–20 at January 1st, or up to 30 for ex-Servicemen; application forms obtainable from the office and returnable in January and February annually, and interview. Pres. The Marquess of SALISBURY, K.G.; Chair. of Council The Lord Mayor of LONDON; Chair. Exec. Cttee. Sir HERBERT CREEDY, G.C.B., K.C.V.O.; Chair. Scholarship Cttee. Lt.-Gen. R. G. W. H. STONE, C.B., D.S.O., M.C.; Sec. C. G. M. BROOM M.A.

Nuffield Foundation: Nuffield Lodge, Regent's Park, London, N.W.1. The Nuffield Foundation is the result of the late Lord Nuffield's greatest benefaction. It was established in 1943 as a trust, with a capital valued at £10,000,000. The four main objects of the Foundation, as stated in the Trust Deed, are: the advancement of health, including the prevention and relief of sickness, particularly by the support of medical teaching and research; the improvement of social well-being, particularly by the furtherance of scientific research; the advancement of education; and the care and comfort of the aged. The Trust Deed, however, gives effect to Lord Nuffield's desire that the trustees should have wide additional powers of selection and initiative. The major part of the Foundation's activities is related to the needs of Great Britain; but, in addition to its programme of training fellowships and scholarships for students from the Dominions, the Foundation also supports research within the whole British Commonwealth. It has also set up the National Corporation for the Care of Old People. The trustees consist of three ordinary trustees, and six managing trustees, of whom the Chair. is The Hon. Sir GEOFFREY C. GIBBS, K.C.M.G.; Dir. B. W. M. YOUNG.

Phoenix Trust: 84 Drayton Gardens, London, S.W.10; f. 1959; grants to literature and the arts; Sec. G. ASTLEY.

Pilgrim Trust, The: Millbank House, 2 Great Peter Street, Westminster, London, S.W.1; f. in 1930 by the late Edward Stephen Harkness of New York to help preserve the national inheritance of the United Kingdom of Great Britain and Northern Ireland, and to promote the future well-being of the country and its people. Grants are confined to such purposes as fall within the legal definition of "charitable". In the period of the industrial depression preceding the last war the Trustees assisted a large number of social service centres and educational settlements for the unemployed. At all times they have given consideration to proposals for the encouragement of learning and the arts and for the preservation of ancient buildings, both ecclesiastical and secular, of historical records, and of the countryside, and since the conclusion of the war have devoted the main part of their resources to these objects. Applications cannot be considered from established charities having a recognised field of support or from individuals seeking pecuniary assistance. Annual income about £240,000. Sec. The Rt. Hon. Lord KILMAINE, C.B.E.

Plunkett Foundation for Co-operative Studies: 10 Doughty Street, London, W.C.1; f. 1919; promotes the systematic study of the principles and methods of agricultural and industrial co-operation; carries on training courses in agricultural co-operation in Great Britain and Africa; maintains the co-operative Reference Library of some 18,000 books, pamphlets, reports and periodicals in 30 languages; open daily to students; Trustees: E. R. HAKEN, J. A. MORLEY, W. J. W. CHEESMAN, P. KELLY, N. WOOD, J. M. SANDERSON, W. G. ALEXANDER, W. MORGAN, Dr. J. RAEBURN, B. J. SURRIDGE, Dr. D. WARRINER, The Rt. Hon. The Earl of LISTOWEL, T. TAYLOR; Sec. Miss M. DIGBY; publs. *The Year Book of Agricultural Co-operation* (f. 1927; double numbers for the years 1943-44 and 1945-46; annual issue resumed 1947), *Law and Practice of Co-operation, Agricultural Co-operation in the Commonwealth, Co-operative Organisation in Tropical Countries, Law for Co-operatives, Transport for Agricultural Co-operatives, Survey of Capital and Credit in Agricultural Co-operative Societies in Great Britain.*

Rhodes Trust: Rhodes House, Oxford; f. 1902; the endowment of the Rhodes Scholarships for men from the British Commonwealth, South Africa and the United States at Oxford University; Trustees: Dr. K. C. WHEARE (Rector of Exeter College), Sir GEORGE ABELL, Lt.-Gen. Sir ARCHIBALD NYE, Rt. Hon. Lord FRANKS (Provost of Worcester College), Rt. Hon. VISCOUNT HARCOURT, Rt. Hon. Viscount AMORY, J. G. PHILLIMORE; Sec. E. T. WILLIAMS.

Rotary International in Great Britain and Ireland: Tavistock House, Tavistock Square, London, W.C.1; f. 1914, Rotary Foundation Fellowships for International Understanding are awarded to carefully selected college graduate students from all parts of the Rotary world for one year of advanced study in universities located in countries other than their own; 44,000 mems.; publ. *Rotary* (monthly).

Salters' Institute of Industrial Chemistry: 36 Portland Place, London, W.1; f. 1918; The Master, Wardens and Court of the Salters' Company; (*a*) Fellowships for further training in Chemistry, Biochemistry or Chemical Engineering; (*b*) Scholarships for full time instruction in the principles of Chemical Engineering or for further experience by research in Chemistry or Chemical Engineering; (*c*) Grants to heads of Departments of Chemical Engineering; (*d*) Exhibitions to certain Public Schools for boys specialising in Science or Mathematics; (*e*) Study Conference for Science Schoolmasters.

Thomson Foundation: c/o Thomson House, 200 Gray's Inn Road, London, W.C.1; f. 1963; to provide education and vocational training facilities in the emergent countries, particularly those countries within the Commonwealth; Trustees: Field Marshal Lord ALEXANDER OF TUNIS, Lord KILMUIR (Chair.), Lord WILLIAMSON, K. R. THOMSON, J. M. COLTART; Dir. T. NEIL, C.M.G., T.D.

United World Trust for Education and Research: 29 Great James Street, London, W.C.1; f. 1956; undertakes charitable activities concerned with education and international affairs, and especially with the means of securing peace; Trustees: GERALD BAILEY, RITCHIE CALDER, C.B.E., APRIL CARTER, RICHARD GOTT, JAMES L. HENDERSON, PH.D. (Chair.), EMANUEL DE KADT, PH.D., WOLF MENDL, RODERICK OGLEY, Rev. W. W. SIMPSON, Lord SORENSEN, HARRY ZION; Hon. Treas. Prof. ALEXANDER HADDOW, F.R.S.; Sec. PATRICIA BLACK; publs. *The Economic Effects of Disarmament, World Questions: A Study Guide, Disarmament—what it would mean to Britain's Economy.*

Wolfson Foundation: Universal House, 251 Tottenham Court Road, London, W.1; f. 1955; promotes education and health in the United Kingdom and Commonwealth with particular reference to scientific and technological education, building facilities for higher education, youth activities, medical research, cancer research, and medical, surgical and nursing services. Trustees: Sir CHARLES DODDS, Bt., M.V.O., M.D., F.R.S., Sir ISAAC WOLFSON, Bt., HON. LL.D. (LOND.), HON. F.R.C.P. (Chair), Sir STANFORD CADE, K.B.E., C.B., F.R.C.S., Sir JOHN COCKROFT, O.M., K.C.B., C.B.E., F.R.S., Sir SOLLY ZUCKERMAN, K.C.B., F.R.S., F.R.C.P., Prof. A. L. GOODHART, K.B.E., Q.C., F.B.A., The Rt. Hon. The EARL OF KILMUIR, P.C., G.C.V.O., Lady WOLFSON, LEONARD WOLFSON, Lt.-Gen. Sir HAROLD REDMAN, K.C.B., C.B.E. (Dir. and Sec.).

HISTORY, GEOGRAPHY AND ARCHAEOLOGY

Ancient Monuments Society: 12 Edwardes Square, London, W.8; f. 1924 for the study and conservation of ancient monuments, historic buildings and fine old craftsmanship; Pres. The Rt. Hon. The EARL OF ROSSE, M.B.E., M.A., LL.D., M.R.I.A., F.S.A.; Chair. L. M. ANGUS-BUTTERWORTH, M.A., M.I.MECH.E., F.R.G.S., F.S.A.(SCOT.); Dir. RAYMOND RICHARDS, M.A., F.S.A., F.R.HIST.S.; Hon. Sec. Rev. W. E. CLARKE, L.TH., F.S.A.; Sec. IVOR BULMER THOMAS, M.A.

British Archæological Association: Department of British and Medieval Antiquities, British Museum, W.C.1; f. 1843; 550 mems.; Pres. DAVID M. WILSON, M.A., F.S.A.; Hon. Sec. J. CHERRY, B.A.; publs. *Journal* (annual), *News Bulletin* (monthly).

British Cartographic Society: "Brailes", Green Lane, Chessington, Surrey; f. 1963; 500 mems.; Pres. Brig. D. E. O. THACKWELL, C.B.E.; Hon. Sec. IAN MUMFORD; publ. *The Cartographic Journal* (twice yearly).

British Numismatic Society: Hon. Sec. W. SLAYTER, 63 West Way, Edgware, Middx.; f. 1903; 300 mems.; Pres. D. F. ALLEN, F.S.A.; publ. *British Numismatic Journal* (annual).

British Records Association: The Charterhouse, London, E.C.1; f. 1932 for the preservation and use of records (archives), and for the co-ordination of the work of institutions and individuals interested in the subject; 1,300 mems.; Pres. Rt. Hon. Lord DENNING; publ. *Archives* (twice yearly).

Cambrian Archaeological Association: f. 1846; 950 mems.; Pres. Rt. Rev. Lord BISHOP OF LLANDAFF; Gen. Sec. W. TEILO THOMAS, 3 Lon Cadog, Cwmgwyn, Swansea; publ. *Archaeologia Cambrensis.*

Canterbury and York Society: f. 1904; 214 mems.; Pres. The ARCHBISHOPS OF CANTERBURY and YORK; Sec. A. C. WOOD, 146 High Street, Roydon, Harlow, Essex; Gen. Editor Miss R. HILL; publ. *Bishops' Registers.*

Challenger Society: c/o National Institute of Oceanography, Wormley, nr. Godalming, Surrey; f. 1903 for the promotion of the study of oceanography; about 350 mems.; Hon. Sec. R. I. CURRIE, B.SC.; publ. *Occasional Papers* and *Annual Reports.*

Council for British Archæology: 4 St. Andrew's Place, Regent's Park, London, N.W.1; f. 1944; for the preservation of ancient monuments and the co-ordination and promotion of archæological activities in the British Isles; 336 institutional mems.; Pres. M. W. BARLEY, M.A., F.S.A.; Sec. Miss B. DE CARDI.

Dugdale Society for the Publication of Warwickshire Records: Shakespeare's Birthplace, Stratford-upon-Avon; f. 1920; 220 mems.; Pres. Sir WILLIAM STRATFORD DUGDALE, Bt.; Chair. B. A. FETHERSTON-DILKE, M.B.E., J.P., M.A., M.B.; Hon. Sec. and Gen. Editor Dr. LEVI FOX, O.B.E., M.A., F.S.A., F.R.HIST.S., F.R.S.L.; Hon. Treas. Miss P. BROWN.

Egypt Exploration Society: 2 Hinde Street, London, W.1; f. 1882; Sec. MARY D. ST.B. CRAWFORD; publs. *Excavation Memoirs, Archaeological Survey, Graeco-Roman Memoirs, The Journal of Egyptian Archaeology,* etc.; library: *see* Libraries.

English Place-Name Society: University College, London, W.C.1; f. 1923 for the publication of a yearly volume on the place-names of a county, or part of a county; about 600 mems.; Pres. Sir FRANK STENTON, M.A., D.LITT., LITT.D., F.B.A.; Dir. Prof. A. H. SMITH, O.B.E., PH.D., D.LIT., D.LITT., FIL.DR., F.S.A.

Friends Historical Society: Friends House, Euston Road, London, N.W.1; f. 1903; 390 mems.; Sec. EDWARD H. MILLIGAN; Jt. Editors RUSSELL S. MORTIMER, ALFRED W. BRAITHWAITE; publ. *Journal of the Friends Historical Society* (twice a year).

Geographical Association: 343 Fulwood Road, Sheffield 10; f. 1893 to further the interests of teachers of geography and of the study of geography generally; 6,704 mems.; library of 15,000 vols.; Pres. (1965) J. A. MORRIS, B.SC.(ECON.); Chair. of Council Prof. H. J. FLEURE, D.SC., F.R.S.; Hon. Sec. Prof. ALICE GARNETT; publ. *Geography* (quarterly).

Hakluyt Society: c/o British Museum, London, W.C.1; f. 1846; 1,520 mems.; Pres. Sir GILBERT LAITHWAITE, G.C.M.G.; Hon. Secs. R. A. SKELTON, B.A., F.S.A., Miss E. M. J. CAMPBELL, M.A., F.S.A.; publ. early travel and geographical records.

Harleian Society: Ardon House, Mill Lane, Godalming, Surrey; f. 1869, inc. 1902, for the publication of unedited MSS. relating to genealogy, family history and heraldry; 260 subscribers; Chair. Sir ANTHONY WAGNER, K.C.V.O., D.LITT., F.S.A., Garter King of Arms; Hon. Sec. and Treas. J. P. HEMING, B.A.

Heraldry Society: 59 Gordon Square, London, W.C.1; f. 1947 to further the study of heraldry, armory, chivalry, genealogy and kindred subjects; 1,800 mems.; Pres. The DUKE OF NORFOLK, K.G., G.C.V.O.; Sec. Col. C. C. DANBY, O.B.E.; publ. *The Coat of Arms* (quarterly).

Historical Association: 59A Kennington Park Road, London, S.E.11; f. 1906; 11,000 mems.; 6,000 vols. in library; aims to support the claims of history as an essential element in education and culture, to promote improved teaching methods and to develop public interest; affiliated socs. in Australia, Canada, S. and E. Africa; Pres. GEOFFREY BARRACLOUGH, M.A.; Hon. Sec. H. L. FREAKES, B.A.; publs *History* (journal), *Annual Bulletin of Historical Literature, Helps for Students of History, Aids for Teachers* and other *Pamphlet* series.

Honourable Society of Cymmrodorion: 118 Newgate Street, London, E.C.1; f. 1751; Royal Charter 1951; approx. 2,100 mems.; Patron H.M. THE QUEEN; Pres. Sir THOMAS PARRY-WILLIAMS, M.A., D.LITT., LL.D.; Chair. Dr. LL. WYN GRIFFITH, O.B.E., D.LITT.; Hon. Sec. Sir JOHN CECIL-WILLIAMS, M.A., LL.D.; publs. *The Transactions, Y Cymmrodor,* Welsh and English versions of *The Dictionary of Welsh National Biography.*

Huguenot Society of London: c/o Barclays Bank, 1 Pall Mall East, London, S.W.1; f. 1885; 11 Hon. Fellows, 337 Ordinary Fellows, 5 Junior Fellows, 96 subscribing

libraries, 15 societies in correspondence; Pres. PETER BRISSAULT MINET; Hon. Sec. Miss IRENE SCOULOUDI, M.SC.(ECO.), F.S.A., F.R.HIST.S.; publs. *Proceedings* (19 vols. issued), *Quarto Series* (47 vols. issued).

Institute of British Geographers: c/o Prof. W. KIRK, University, Leicester; f. 1933 to hold meetings for field work and for the reading and discussion of papers; to publish reports of the proceedings of the Institute and the results of research presented by its members; and to promote research in geography by such other means as the Institute Council shall determine; 800 mems.; Pres. Prof. P. R. CROWE; Sec. Prof. W. KIRK; publ. *Transactions* and *Papers*.

Institute of Heraldic and Genealogical Studies: Northgate, Canterbury, Kent; f. 1961; Dir. C. R. HUMPHERY-SMITH; Sec. M. G. HEENAN; publ. *Family History* (bi-monthly).

Jewish Historical Society of England: 33 Seymour Place, London, W.1; f. 1893; 800 mems.; Pres. LEONARD STEIN, O.B.E.; Hon. Sec. COLIN FRANKLIN, M.A.; publs. *Transactions, Miscellanies*, etc.

London and Middlesex Archaeological Society: Bishopsgate Institute, Bishopsgate, London, E.C.2; f. 1855; collects and publishes archaeological information relating to London and Middlesex; 500 mems.; Pres. R. MICHAEL ROBBINS, M.A., F.S.A.; Hon. Sec. E. E. F. SMITH; publ. *Transactions* (annually).

London Topographical Society: 9 Rivercourt Road, London, W.6; f. 1898; 300 mems.; Patron: H.R.H. The Prince PHILIP, Duke of EDINBURGH, K.G., P.C., K.T., G.M.B.E.; Sec. PHILIP D. WHITTING, G.M.; publ. *The London Topographical Record* (irregular), and maps annually.

Manchester Geographical Society: Geographical Chambers, 16 St. Mary's Parsonage, Manchester, 3; f. 1884 to promote the study of all branches of geographical science; 300 mems.; library of 6,500 vols.; Pres. T. H. B. SOWERBUTTS; Sec. A. MURCH; publ. *Journal* (irregularly).

Monumental Brass Society: 85 Addiscombe Road, Croydon, Surrey; f. 1887 to promote the study of, and interest in, better preservation of monumental brasses, and to compile and publish a full and accurate list of all extant and lost brasses, English and foreign; Pres. and Sec. R. H. PEARSON, F.S.A.; publs. *Transactions, Portfolio* (annual).

Navy Records Society: c/o Royal Naval College, Greenwich, London, S.E.10; f. 1893; Pres. The Master of the Rolls; Hon. Sec. Prof. C. CHRISTOPHER LLOYD, F.R.HIST.S.

Palestine Exploration Fund: 2 Hinde Mews, London, W.1; f. 1865; 750 subscribers; Pres. The Archbishop of CANTERBURY; Chair. Canon C. B. MORTLOCK; Hon. Sec. Prof. P. R. ACKROYD; publ. *Palestine Exploration Quarterly*.

Prehistoric Society: c/o City Museum, Birmingham 3; f. 1908; 1,138 mems.; Pres. Prof. STUART PIGOTT, B.LITT., D.LITT.HUM., F.B.A., F.S.A.; Hon. Sec. N. DE L'E. W. THOMAS, M.A., F.S.A., A.M.A.; Hon. Editor Prof. J. G. D. CLARK, SC.D., F.B.A., F.S.A.; publ. *Proceedings*.

Presbyterian Historical Society of England: 86 Tavistock Place, London, W.C.1; f. 1913; 300 mems.; Sec. J. T. DARLING, I.S.O.; publ. *Journal* (annually).

Royal Archaeological Institute: c/o London Museum, Kensington Palace, London W.8; f. 1843; Pres. P. K. BAILLIE REYNOLDS, C.B.E., T.D., M.A., F.S.A.; Hon. Sec. S. D. T. SPITTLE, M.A., A.R.I.B.A., F.S.A.; publ. *Archaeological Journal*.

Royal Geographical Society: Kensington Gore, London, S.W.7; f. 1830; 7,100 mems.; Pres. Prof. L. DUDLEY STAMP; Dir. and Sec. L. P. KIRWAN, C.M.G., T.D.; publ. *Geographical Journal*; library: *see* Libraries.

Royal Historical Society: 96 Cheyne Walk, London, S.W.10; f. 1868; library of 12,000 vols.; approx. 925 mems.; Pres. Prof. R. A. HUMPHREYS, O.B.E., M.A., PH.D.; Hon. Sec. Prof. F. R. H. DU BOULAY, M.A.; publs. *Transactions*, Camden Series, Guides and Handbooks Series.

Royal Numismatic Society: c/o British Museum, London, W.C.1; f. 1836; over 550 mems.; Pres. PHILIP GRIERSON; Secs. E. S. G. ROBINSON, J. WALKER; publ. *Numismatic Chronicle*.

Royal Scottish Geographical Society: 10 Randolph Crescent, Edinburgh; f. 1884 in order to extend geographical education in Scotland and to maintain contact with Scotsmen abroad and with others interested in the subject; library of 30,000 vols., 60,000 maps, 200 current periodicals; over 3,500 mems.; Pres. The Hon. Lord CAMERON, D.S.C., D.L., LL.D.; Sec. DONALD G. MOIR, F.R.S.G.S.; Hon. Librarian DOUGLAS GUTHRIE, M.D., F.R.C.S.E., F.R.C.P.E., F.R.S.E., F.R.S.G.S.; publ. *The Scottish Geographical Magazine* (thrice yearly).

Scottish History Society: Scottish History Dept., Old College, Edinburgh; f. 1886 for the printing of unpublished documents illustrating the history of Scotland; 450 mems.; Pres. Sir DAVID LINDSAY KEIR, LL.D.; Hon. Sec. E. W. M. BALFOUR-MELVILLE, D.LITT.

Society for Army Historical Research: War Office Library, London, S.W.1; f. 1921; over 1,000 mems.; Pres. Field Marshal Sir CLAUDE J. E. AUCHINLECK, G.C.B., G.C.I.E., C.S.I., D.S.O., O.B.E., LL.D.; Sec. Major N. P. DAWNAY, M.A.; publ. *Journal* (quarterly).

Society for Medieval Archaeology: c/o University College, Gower Street, London, W.C.1; f. 1957 for the study of archaeology of the post-Roman period; 880 mems.; Pres. Dr. J. N. L. MYRES; Sec. D. M. WILSON; publ. *Medieval Archaeology*.

Society for Nautical Research: National Maritime Museum, Greenwich, London, S.E.10; f. 1910; over 1,000 mems., Pres. Prof. M. A. LEWIS, F.S.A.; Chair. ALAN VILLIERS, D.S.C.; Hon. Sec. Lt.-Cmdr. G. P. B. NAISH, F.S.A., R.N.R.; publ. *The Mariners' Mirror* (quarterly).

Society of Antiquaries of London: Burlington House, London, W.1; f. 1707; 1,102 Fellows; Pres. Professor FRANCIS WORMALD; Sec. A. J. TAYLOR, M.A.; publs. *Archaeologia, The Antiquaries Journal;* library: *see* Libraries.

Society of Antiquaries of Scotland: Queen Street, Edinburgh, 2; f. 1780; 1,021 mems.; Pres. The Hon. Lord MIGDALE, M.A.; Sec. ANGUS GRAHAM, M.A., F.S.A.; publ. *Proceedings* (annual).

Society of Genealogists: 37 Harrington Gardens, London, S.W.7; f. 1911; about 2,000 mems.; library of over 30,000 vols.; Pres. Admiral of the Fleet The Earl MOUNTBATTEN OF BURMA, K.G., P.C., G.C.B., G.C.S.I., G.C.I.E., G.C.V.O., D.S.O.; Sec. Mrs. C. M. MACKAY; publ. *The Genealogists' Magazine* (quarterly).

Wesley Historical Society: f. 1893 to promote the study of the history and literature of Methodism; 800 mems. in U.K. (including N. Ireland); Pres. Rev. Dr. MALDWYN L. EDWARDS; Gen. Sec. Rev. THOMAS SHAW, 94 Albany Road, Redruth, Cornwall; publ. *Proceedings* (quarterly).

INTERNATIONAL CULTURAL INSTITUTES

Austrian Institute: 28 Rutland Gate, London, S.W.7; f. 1956; agency of the Austrian Ministry of Education; Dir. Prof. Dr. H. ZELZER.

British Council: 65 Davies Street, London, W.1; estab. in November 1934, and incorp. by Royal Charter in 1940; its principal purposes are the promotion of a wider knowledge of the United Kingdom and the English language abroad and the development of closer cultural relations with other countries. The Council derives most of its funds from votes of the Foreign Office, Commonwealth Relations Office, Colonial Office, the Ministry of Overseas Development and the Board of

Trade. For the year ending March 31st, 1966, the gross budget was £11,188,000 and the Council administered a further £2,250,000 for the Ministry of Overseas Development.

The principal officers of the Council are: Pres. Sir RONALD ADAM, Bt., G.C.B., D.S.O., O.B.E.; Vice-Pres. Sir REGINALD LEEPER, G.B.E., K.C.M.G.; Chair. Lord BRIDGES, K.G., P.C., G.C.B., G.C.V.O., M.C., F.R.S.; Vice-Chair. The COUNTESS OF ALBEMARLE, D.B.E., D.LITT., D.C.L., M. EDELMAN, M.P., Sir CHARLES MOTT-RADCLYFFE, M.P.; Dir.-Gen. Sir PAUL SINKER, K.C.M.G., C.B.

Under the Charter the powers of the Council are vested in the Executive Committee composed mainly of elected members representing many sides of British life with some members nominated by government departments including overseas departments, the Ministry of Overseas Development, the Board of Trade and the Department of Education and Science. There are the following expert advisory committees and panels (the names of Chairmen holding office as at August 1965 are given in brackets): Drama Committee (NORMAN MARSHALL), English Studies Committee (Prof. B. PATTISON) (with Literature and Linguistic Panels), Fine Arts Committee (Sir PHILIP HENDY), Law Committee (Lord EVERSHED), Libraries Panel (F. M. GARDNER), Medical Panel (Prof. M. L. ROSENHEIM), Music Committee (The EARL OF HAREWOOD), Publishers Panel (Sir STANLEY UNWIN), Science Committee (Sir WILLIS JACKSON) (with Agriculture, Science and Engineering and Veterinary Panels), Universities Committee (Sir ROBERT AITKEN), East Europe Committee (GILBERT LONGDEN, M.P.). There are advisory panels for Scotland (The Hon. Lord BIRSAY) and Wales (Lady MEGAN LLOYD GEORGE, M.P.).

There are offices of the Council in the following Commonwealth countries: Australia, Canada, Ceylon, Cyprus, Ghana, India, Jamaica, Kenya, Malawi, Malaysia, New Zealand, Nigeria, Pakistan, Sierra Leone, Singapore, Tanzania, Trinidad and Tobago, Uganda, Zambia, Aden, Barbados, Basutoland (with Bechuanaland Protectorate and Swaziland), British Guiana, British Honduras, Fiji, Hong Kong, Malta, Mauritius, Rhodesia; and in the following foreign countries: Afghanistan, Algeria, Argentina, Austria, Belgium and Luxembourg, Brazil, Burma, Cambodia, Chile, Colombia, Congo, Czechoslovakia, Denmark, Ethiopia, Finland, France, Federal Republic of Germany, Greece, Hungary, Iran, Iraq, Israel, Italy, Japan, Jordan, Lebanon, Libya, Mexico, Morocco, Nepal, Netherlands, Norway, Persian Gulf, Peru, Poland, Portugal, Rumania, South Africa, Spain, Sudan, Sweden, Switzerland, Thailand, Tunisia, Turkey, U.A.R., Uruguay, Venezuela, Vietnam and Yugoslavia.

In recent years the Council has increasingly concentrated on educational work in the developing countries in Asia and Africa to which about four-fifths of its work is now directed. This educational work is broadly in three parts, English language, the printed word and the development of personal contacts.

Its activities include the promotion of English language teaching and British studies, the maintenance of libraries of British books and periodicals, the sponsoring of advisory tours, the recruitment of teachers overseas and the exchange of knowledge and information between scientists and other professional people in Britain and other countries. The Council is also responsible for displaying overseas the best of British drama, music and the visual arts.

The Council provides many services for overseas students studying in Britain. It arranges programmes of studies for professional people and groups from overseas, British Government Departments, overseas governments, universities and professional societies.

The Council also organises short courses and summer schools in Britain on a variety of educational and other subjects.

The Council publishes the following periodicals: *British Medical Bulletin, British Medical Book List* and *British Book News.*

It also publishes a number of booklets on cultural and educational subjects, including the *Writers and their Works* series and *How to Live in Britain*, it co-operates in the publication of a number of reference works: *Higher Education in the United Kingdom, Scientific and Learned Societies of Great Britain, Scientific Research in British Universities and Colleges.*

Casa do Brasil (*House of Brazil*): 49 Lancaster Gate, London, W.2; f. 1960; library of 37,000 vols.; cultural exchanges; language tuition; Dir. Dr. O. PORTO.

Commonwealth Institute: Kensington High Street, London, W.8; f. 1887 to assist the development of Empire commerce by technical investigation and advice, and to promote public knowledge of the Commonwealth; in 1949 its scientific and technical functions were transferred to other departments; the Institute retains its educational functions and carries them out by means of permanent, temporary and travelling exhibitions, cinema, visual aids, publications, conferences and lectures, etc.; Dir. Sir. KENNETH BRADLEY, C.M.G.; Deputy Dir. Mrs. MARY BURKE, B.A.

English-Speaking Union of the Commonwealth: Dartmouth House, 37 Charles Street, Berkeley Square, London, W.1; f. 1918 to foster relations between English-speaking peoples; 45 branches in Great Britain, 6 in New Zealand, 5 in Australia, 13 in Canada, 6 in India, 1 each in Bermuda, Malta and Pakistan; works closely with E.S.U. of the U.S.; extensive educational and social activities (including student and teacher exchange), meetings, lectures; library of approx. 5,000 vols.; Pres. H.R.H. The Prince PHILIP Duke of EDINBURGH, K.G., K.T., G.B.E.; Chair. Lord BAILLIEU, K.B.E., C.M.G.; Dir.-Gen. MORRIS A. BARR; Sec. C. COLBECK, F.C.A.

Fédération Britannique des Comités de l'Alliance Française: 3 Queensberry Place, S. Kensington, London, S.W.7; f. 1908; Dir. PIERRE LE ILICOCQ, O.B.E.

German Institute: 51 Princes Gate, London, S.W.7; Dir. Baron DONALD VON HIRSCH, PH.D.; Dir. of Studies F. R. ENZWEILER; Librarian MARGIT ROSTOCK.

Institut Français du Royaume-Uni: Queensberry Place, London, S.W.7; f. 1913; run in conjunction with the Universities of Paris and Lille; lectures, concerts, films, exhibitions, evening classes; lending library of 60,000 vols.; Dir. J. LEQUILLIER.

Institute of Spain: 102 Eaton Square, London, S.W.1; f. 1946; courses on Spanish language and culture; library of 16,000 vols.; Dir. Prof. CARLOS CLAVERÍA.

Islamic Cultural Centre: Regent's Lodge, 146 Park Road, London, N.W.8; f. 1944 to spread Islamic culture in Great Britain; library of 3,000 vols., mostly Arabic; Dir. Dr. B. A. AWAD; publ. *The Islamic Quarterly.*

Italian Institute: 39 Belgrave Square, London, S.W.1; organises lectures, concerts, film shows, exhibitions and discussion groups; library of 20,000 vols., and about 140 Italian newspapers and periodicals; provides Italian lessons for advanced students; Dir. FILIPPO DONINI.

Maison Française d'Oxford: Westbury Lodge, Norham Road, Oxford; f. 1946; attached both to the University of Oxford and the University of Paris (Sorbonne); cultural and social centre; library of 19,900 vols., reference catalogue of 64,500 entries; organises exchanges between students and between teachers; Dir. M. AUGUSTE ANGLES.

Polish Cultural Institute: 16 Devonshire Street, London, W.1; Acting Dir. Dr. T. WUJEK.

Queen Elizabeth House: 20/21 St. Giles, Oxford; f. 1954 to provide a centre for the study of political, economic, legal, administrative, social and cultural matters affecting the British Commonwealth and to link individuals and institutions concerned with these affairs; Pres. Viscount CHANDOS, D.S.O., M.C.; Warden L. C. WILCHER, C.B.E., B.LITT., M.A.

Society for Cultural Relations with the U.S.S.R.: 118 Tottenham Court Road, London, W.1; f. 1924; 1,500 mems.; ref. and lending library of 20,000 Russian and English books, periodicals, photographs, etc.; Chair. LIPMANN KESSEL, M.B.E., M.C., F.R.C.S.; Sec. H. C. CREIGHTON, M.A.; publs. *Anglo-Soviet Journal* (quarterly), special bulletins, pamphlets and surveys.

LANGUAGE AND LITERATURE

Brontë Society: The Brontë Parsonage Museum, Haworth, near Keighley, Yorks.; f. 1893, inc. 1902, to collect and act as guardian of Brontë letters, MSS., and personal belongings which are housed in the Brontë Parsonage Museum, former home of the Brontës and now in the care of the Society; 1,000 mems.; Pres. DONALD HOPEWELL, M.A., LL.B.; Chair. of Council Sir LINTON ANDREWS, LL.D., F.J.I.; Hon. Sec. Mrs. E. M. WEIR, 5 Grosvenor Mount, Leeds 6; publ. *Brontë Society Transactions* (annual).

Classical Association: c/o Prof. B. R. REES, M.A., PH.D. (University College, Cardiff), T. W. MELLUISH, M.A. (Joint Hon. Secs.); f. 1903; 4,200 mems.; Pres. Prof. Sir R. MYNORS, M.A., F.B.A.; Hon. Treas. Prof. L. A. MORITZ, M.A., D.PHIL.; 29 brs.; publs. *Classical Review* (quarterly), *Classical Quarterly*, *Greece and Rome* (twice a year), *Proceedings* (annual).

Dickens Fellowship: 48 Doughty Street, London, W.C.1; f. 1902 to knit together in a common bond of friendship lovers of Charles Dickens, and to assist in the preservation and purchase of buildings and objects associated with Dickens or mentioned in his works; approx. 10,000 mems.; Pres. PHILIP CHARLES DICKENS (1964-66); Hon. Sec. JOHN GREAVES; Hon. Editor LESLIE C. STAPLES; publ. *The Dickensian* (four-monthly).

Early English Text Society: 40 Walton Crescent, Oxford; f. 1864; approx. 700 mems.; Hon. Dir. Prof. NORMAN DAVIS, M.B.E.; Hon. Sec. R. W. BURCHFIELD, M.A.

English Association: 8 Cromwell Place, London, S.W.7; f. 1906 to promote the knowledge and appreciation of the English language and of English literature and to uphold the standards of written and spoken English; 3,000 mems.; Chair. S. GORLEY PUTT, M.A., F.R.S.L.; Pres. RICHARD CHURCH; Sec. Mrs. E. M. FIELDING; publs. *English* (3 times yearly), *Essays and Studies*, *The Year's Work in English Studies.*

Francis Bacon Society Inc., The: Reg. Office: Canonbury Tower, Islington, London, N.1; f. 1886; Pres. Cmmdr. MARTIN PARES; Chair. NOEL FERMOR; publ. *Baconiana* (periodically).

Institute of Linguists: 3 Craven Hill, London, W.2; f. 1910 to encourage the study of foreign languages for practical ends and to unite professional linguists in a learned association; Pres. Lady THRELFORD; Sec. G. HUMPHREY SMITH, O.B.E., B.A.; publ. *The Incorporated Linguist.*

Johnson Society of London: f. 1928 to study the life and works of Dr. Johnson and the period in which he lived. Pres. Very Rev. W. R. MATTHEWS, C.H., K.C.V.O., D.LIT.; D.D.; Sec. A. G. DOWDESWELL, 92 St .Paul's Road, Canonbury, London, N.1; publ. *The New Rambler*, (twice yearly).

Kipling Society: 323 High Holborn, London, W.C.1; f. 1927 to honour and extend the influence of the writer; 800 mems.; Pres. R. E. HARBORD; Hon. Sec. Lt.-Col. A. E. BAGWELL PUREFOY; publ. *The Kipling Journal* (quarterly).

Malone Society: f. 1906 for the study of early English drama; Hon. Sec. Miss K. M. LEA, Lady Margaret Hall, Oxford.

Modern Language Association: 2 Manchester Square, London, W.1; f. 1893 to assist teachers and students of modern languages, and to secure due recognition for modern languages as instruments of general educational and cultural value; 3,000 mems.; Hon. Sec. S. R. INGRAM, M.A.; publ. *Modern Languages* (quarterly).

Philological Society: University College, Gower Street, London, W.C.1; f. 1842, inc. 1879, to investigate and promote the study and knowledge of the structure, affinities, and history of languages; 572 mems.; Pres. Prof. W. S. ALLEN, M.A., PH.D.; Secs. R. H. ROBINS, M.A. (School of Oriental and African Studies, University of London, W.C.1), Prof. D. M. JONES, M.A.; publ. *Transactions* (annual).

Poetry Society: 21 Earls Court Square, London, S.W.5; f. 1909 to promote the study and appreciation of poetry; 3,520 mems.; 10,000 vols. in library; Pres. Sir COMPTON MACKENZIE; Gen. Sec. and Treas. ROBERT ARMSTRONG; publs. *The Poetry Review* and *Voice of Youth* (quarterly).

Royal Society of Literature of the United Kingdom: 1 Hyde Park Gardens, London, W.2; f. 1823; lectures, discussions and poetry readings; 600 fellows and mems.; Pres. Rt. Hon. Lord BUTLER, C.H., P.C.; Chair. Lord BIRKENHEAD; Sec. Mrs. J. M. PATTERSON; publs. *Transactions*, *Report*, Special Editions.

Saltire Society: see The Arts (above).

Shaw Society: 86 Dalmain Road, London, S.E.23; f. 1941 to promote a wider and clearer understanding of Bernard Shaw's life and work; Pres. ELLEN POLLOCK; Hon. Gen. Sec. BARBARA SMOKER; publ. *The Shavian.*

Society for the Promotion of Hellenic Studies: 31–34 Gordon Square, London, W.C.1; f. 1879; 2,000 mems.; Pres. Prof. N. G. L. HAMMOND, D.S.O.; Hon. Sec. Prof. R. P. WINNINGTON-INGRAM, F.B.A.; publ. *Journal of Hellenic Studies*; library: see Libraries.

Society for the Promotion of Roman Studies: 31–34 Gordon Square, London, W.C.1; f. 1910; 2,000 mems.; Pres. A. D. MOMIGLIANO, D.LITT., F.B.A.; publ. *Journal of Roman Studies*; library: see Libraries.

Society for the Study of Medieval Languages and Literature: 49 Broad Street, Oxford; f. 1932; Pres. Dr. R. W. HUNT; Sec. R. C. PERMAN, St. Peter's College, Oxford; publs. *Medium Ævum*, monographs.

Society of Authors: 84 Drayton Gardens, London, S.W.10, f. 1884 by Sir Walter Besant, to protect the rights and interests of authors; nearly 4,000 mems.; Pres. JOHN MASEFIELD, O.M.; Gen. Sec. M. E. BARBER, M.A.; publ. *Author* (quarterly).

MEDICINE

Anatomical Society of Great Britain and Ireland: f. 1887; 600 mems.; Pres. Prof. D. V. DAVIES, M.B., B.S., D.SC., F.R.C.S.; Hon. Sec. Prof. W. J. HAMILTON, M.D., D.SC., F.R.C.O.G., F.R.S.ED., Charing Cross Hospital Medical School, Chandos Place, London, W.C.2; publ. *Journal of Anatomy.*

Association for the Study of Medical Education: 53 Philpot Street, London, E.1; f. 1957 to exchange information and promote research into medical education; over 500 mems.; Chair. Lord BRAIN, D.M., F.R.C.P., F.R.S.; Hon. Sec. Dr. J. R. ELLIS, M.B.E., M.D., F.R.C.P.

Association of Anaesthetists of Great Britain and Ireland: at The Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1932 to study anaesthetics as a specialised branch of medicine; 1,800 mems.; Pres. Dr. V. F. HALL; Hon. Sec. Dr. O. P. DINNICK; publ. *Anaesthesia.*

Association of British Neurologists: c/o Neurological Department, London Hospital, London, E.1; f. 1933; 180 mems.; Pres. Dr. F. R. FERGUSON; Hon. Sec. Dr. R. A. HENSON.

Association of Industrial Medical Officers: at the Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1935 for the scientific study, social intercourse and mutual help of medical practitioners in the field of industrial medicine; 600 mems., 400 assoc. mems.; Pres. J. C. GRAHAM, M.R.C.S., L.R.C.P., D.I.H.; Hon. Sec. J. P. W. HUGHES, T.D., M.D., D.P.H.; publ. *Transactions* (quarterly).

Association of Surgeons of Great Britain and Ireland: at The Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1920 for the advancement of the science and art of surgery; 600 Fellows, 50 Associates; Hon. Sec. R. S. HANDLEY, O.B.E., F.R.C.S.

British Association of Physical Medicine: at The Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1943 to promote appreciation of the value of medicine and to encourage the highest efficiency and effectiveness in its application, with special regard to rehabilitation and rheumatic diseases; 250 mems.; Hon. Sec. Dr. D. A. BREWERTON, M.R.C.P.; publ. *Annals of Physical Medicine.*

British Council for the Rehabilitation of the Disabled: Tavistock House (South), Tavistock Square, London, W.C.1; f. 1944; covers the whole field of rehabilitation, promotes study courses, engages in research and operates a Preparatory Training Bureau in over 100 subjects; Chair. Rt. Hon. Lord SEMPILL, A.F.C.; Gen. Sec. IAN R. HENDERSON; publ. *Rehabilitation* (quarterly).

British Dental Association: 13 Hill Street, Berkeley Square, London, W.1; f. 1880 as a professional asscn.; 11,000 mems.; library of 10,000 vols.; Sec. J. N. PEACOCK, L.D.S.; Librarian Miss E. M. SPENCER, B.A., A.L.A.; publ. *British Dental Journal* (twice monthly).

British Diabetic Association: 152 Harley Street, London, W.1; f. 1934 to provide an organisation for the benefit of and service to diabetics and others interested in diabetes, and to promote the study of the causes thereof and the diffusion of information concerning the same; 30,000 mems.; Chair. of Exec. Council Dr. B. A. YOUNG, M.D., M.R.C.P.; Sec.-Gen. J. G. L. JACKSON; publ. *Balance* (quarterly).

British Dietetic Association: 251 Brompton Road, London, S.W.3; f. 1936; 1,099 mems.; Chair. Miss G. H. POWELL, S.R.N., S.R.D.; Sec. Miss B. J. JAMIESON, B.SC., S.R.D.; publ. *Nutrition* (quarterly).

British Empire Cancer Campaign for Research: 11 Grosvenor Crescent, Hyde Park Corner, London, S.W.1; f. 1923 with the object of attacking and defeating the disease of cancer in all its forms by research into its causes, distribution, symptoms, pathology and cure; Pres. H.R.H. The Duke of GLOUCESTER; Sec.-Gen. Capt. F. B. TOURS, O.B.E., R.N. (retd.); publs. *British Journal of Cancer* (quarterly), *Annual Report.*

British Institute of Radiology: 32 Welbeck Street, London, W.1; f. 1927; forms a centre for consultation on the medical, physical and biological applications of radiology; 1,200 mems.; Pres. C. W. WILSON, M.SC., PH.D., F.INST.P.; Hon. Secs. PHYLLIS WADE, M.B., B.S., D.M.R., H. MILLER, M.A., PH.D., F.INST.P.; publ. *The British Journal of Radiology.*

British Medical Association: Tavistock Square, London, W.C.1; f. 1832; 70,000 mems.; Pres. Sir CLEMENT PRICE THOMAS, K.C.V.O., M.D., F.R.C.P., F.R.C.S., F.A.C.S.; Chair. of Council J. R. NICHOLSON-LAILEY, F.R.C.S.; Sec. D. P. STEVENSON, LL.D., M.R.C.S., L.R.C.P.; publs. *British Medical Journal* (weekly), *Abstracts of World Medicine* (monthly), and numerous journals on specialised medical subjects.

British Optical Association: 65 Brook Street, London, W.1; f. 1895 for the encouragement of the science of optics and its application to the improvement of human vision; 5,000 mems.; library of 9,000 vols.; Pres. P. COURLANDER, J.P., F.B.O.A.; Sec. G. H. GILES, O.B.E.; Librarian Miss J. M. MITCHELL, M.A.; publs. *British Journal of Physiological Optics* (quarterly), *Ophthalmic Optician* (fortnightly).

British Orthopaedic Association: c/o The Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1918; the advancement of the science and art of orthopædic surgery; 940 mems.; Pres. H. OSMOND-CLARKE, C.B.E., F.R.C.S.; Hon. Sec. T. J. FAIRBANK, F.R.C.S.; publ. *Journal of Bone and Joint Surgery.*

British Pædiatric Association: c/o Institute of Child Health, Great Ormond Street, London, W.C.1; f. 1928; 423 mems.; Pres. Prof. R. W. B. ELLIS, O.B.E., M.A., M.D., F.R.C.P.; Hon. Sec. Dr. T. E. OPPÉ, M.B., M.R.C.P., D.C.H.

British Pharmacological Society: c/o Department of Pharmacology, Institute of Preventive Medicine, The Parade, Cardiff; f. 1931; 350 mems.; Sec. J. D. P. GRAHAM; publ. *British Journal of Pharmacology and Chemotherapy.*

British Psycho-Analytical Society: 63 New Cavendish Street, London, W.1; f. 1919 for the advancement of psycho-analysis as a science; 280 mems.; Pres. W. R. BION, D.S.O., M.R.C.S., L.R.C.P.; Hon. Business Sec. A. H. WILLIAMS, M.D., D.P.M.; publ. *The International Journal of Psycho-Analysis.*

British Society for the Study of Orthodontics: Manson House, 26 Portland Place, London, W.1; f. 1907; 500 mems.; Pres. S. GRANGER McCALLIN; Hon. Sec. B. C. LEIGHTON; publ. *Transactions* (annual).

British Society of Medical Hypnotists, The: f. 1948 to promote the study and use of hypnotism in medicine; officially recognised; Pres. Dr. S. J. VAN PELT, 126 Harley Street, London, W.1; publ. *The British Journal of Medical Hypnotism* (quarterly).

British Society of Rheology: c/o The Paint Research Station, Waldegrave Road, Teddington, Middx.; f. 1940; 400 mems.; Pres. Prof. A. J. KENNEDY; Hon. Sec. R. J. COLE; publs. *Rheology Abstracts, Bulletin.*

Central Council for Health Education: Tavistock House North, Tavistock Square, London, W.C.1; f. 1927, inc. 1936, to carry out health education work for local authorities in England, Wales and Northern Ireland; mainly directed towards medical officers, health visitors, teachers, public health inspectors, and others involved in the education of the public in health matters; services provided are: lectures, information, film and film-strip consultation, library, publications and exhibitions, courses, etc.; Chair. Ald. G. S. BURDEN, B.SC.; Pres. Rt. Hon. Lord HILL OF LUTON, P.C., M.A., M.D., D.P.H.; Medical Dir. A. J. DALZELL-WARD, M.R.C.S., L.R.C.P., D.P.H.; publs. *Health Education Journal* (quarterly), *Health Information Digest* (twice yearly).

Central Council of Physical Recreation: 26–29 Park Crescent, London, W.1; f. 1935 to improve the physical and mental health of the community through physical recreation; aided by the Department of Education and Science; mems. over 200 national orgs. and 78 individual mems.; Pres. H.R.H. The PRINCE PHILIP, DUKE OF EDINBURGH, K.G., P.C., K.T., G.M.B.E.; Chair. of Exec. Cttee. Sir STANLEY ROUS, C.B.E.; Gen. Sec. H. JUSTIN EVANS (acting); publ. *Sport and Recreation* (quarterly).

Chartered Society of Physiotherapy: Tavistock House (South), Tavistock Square, London, W.C.1; f. 1894, inc. by Royal Charter 1920, to improve the training, education, and professional status of persons engaged in the practice of massage, remedial exercise, electrotherapy, etc.; 17,000 mems.; Pres. Sir CECIL WAKELEY, Bt.,

K.B.E., C.B., LL.D., F.R.C.S.; Chair. of Council Prof. RUTH E. M. BOWDEN, D.SC., M.B., B.S.; Sec. JACK ROSE, C.M.G., M.B.E., D.F.C., B.SC.; publ. *Physiotherapy* (monthly).

Chest and Heart Association, The: Tavistock House North, Tavistock Square, London, W.C.1; f. 1899; for the prevention and conquest of tuberculosis and diseases of the chest and heart, through research, education and propaganda; Pres. H.R.H. Princess MARINA, Duchess of KENT; Chair. of Council Her Grace The Duchess of PORTLAND, D.B.E.; Sec.-Gen. J. H. HARLEY WILLIAMS, O.B.E., M.D., D.P.H.; publs. *Chest and Heart Bulletin* (six times yearly), *Health Horizon* (quarterly), *Chest Diseases Index and Abstracts including tuberculosis* (quarterly), *Cardiac News Letter*, (quarterly), *Handbook of Tuberculosis Activities* (Fifteenth edition 1957).

College of General Practitioners: 14 Princes Gate, London, S.W.7; f. 1952 to represent general practitioners; 6,400 mems.; Pres. Dr. E. M. ROSE, O.B.E., M.B., B.CH.; Chair. K. MACFOSTER, M.R.C.S., L.R.C.P.; Hon. Sec. of Council J. H. HUNT, D.M., M.R.C.P.; Sec. Commdr. A. E. P. DORAN, D.SC., F.C.C.S.

Faculty of Radiologists: Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1939; practice of radiology; 1,400 mems.; Pres. T. LODGE; M.B., CH.B., F.F.A.; Hon. Sec. J. N. PATTINSON, M.B., B.CH., F.F.R.; publ. *Clinical Radiology* (quarterly).

Harveian Society of London: 11 Chandos Street, London, W.1; f. 1831 by zealous professional men anxious to improve theor own knowledge and promote the advance of medical science; 380 mems.; Pres. RODNEY SMITH, M.S., F.R.C.S.; Hon. Secs. ROGER WILLIAMS, M.D., M.R.C.P., J. D. H. SLATER, M.B., M.R.C.P.

Heberden Society: c/o The Arthritis and Rheumatism Council, Faraday House, 8 Charing Cross Road, London, W.C.2; f. 1936; a clinical and scientific society for the advancement of the study of the rheumatic diseases; 250 mems.; Pres. Dr. OSWALD SAVAGE, O.B.E., F.R.C.P.; Gen. Sec. M. C. G. ANDREWS.

Hunterian Society: f. 1819; 480 mems.; Secs. Dr. H. WYKEHAM BALME, 150 Harley Street, London, W.1, HOWARD G. HANLEY, M.D., F.R.C.S., 147 Harley Street, London, W.1.

Institute of British Surgical Technicians, Inc.: 21 Tothill Street, Westminster, London, S.W.1; f. 1935; 1,300 mems.; Pres. A. DICKSON WRIGHT, M.S., F.R.C.S.; Chair. G. MAURICE DOWN, F.I.B.S.T.; Sec. R. NUNN; publ. *Journal* (annual).

Institute of Medical Laboratory Technology: 74 New Cavendish Street, London, W.1; inc. 1942 to act as a professional and qualifying body in the techniques applicable to bacteriology, chemical pathology, histopathology, hæmatology, parasitology and virology; 12,000 mems.; Pres. Prof. A. C. LENDRUM, M.D., B.SC., F.I.M.L.T.; Chair. G. C. PASCOE, F.I.M.L.T.; Sec. R. J. LAVINGTON, F.I.M.L.T.; publ. *Journal of Medical Laboratory Technology* (quarterly).

Listerian Society of King's College Hospital: King's College Hospital, Denmark Hill, London, S.E.5; f. 1833 as King's College Medical and Scientific Society; renamed Listerian Society 1912 on the death of Lord Lister; at present addressed on a variety of medical and cultural topics by distinguished speakers on six occasions during the winter months; 300 mems.; Pres. Dr. D. A. PYKE, M.D., F.R.C.P.; Secs. G. D. PERKIN, D. FINNIS.

Medical Society for the Study of Venereal Diseases: c/o The Middlesex Hospital, London, W.1; f. 1922; 237 mems.; Pres. Dr. C. S. NICOL; Sec. Dr. R. D. CATTERALL; publ. *The British Journal of Venereal Diseases* (quarterly).

Medical Society of London: 11 Chandos Street, London, W.1; f. 1773; library of 35,000 vols.; Pres. Sir RONALD BODLEY SCOTT, K.C.V.O., D.M., F.R.C.P.; Hon. Secs. J. E. RICHARDSON, M.S., F.R.C.S. and J. BISHOP HARMAN, M.D., F.R.C.P., F.R.C.S.; Registrar and Librarian Lt.-Col. E. J. TUCKER.

Medico-Legal Society: 71 Great Russell Street, London, W.C.1; f. 1901; approx. 650 mems.; Pres. Dr. R. DONALD TEARE, M.A., M.D., F.R.C.P.; Hon. Secs. MEADOWS MARTINEAU, B.A., D. G. RUSHTON, M.B., B.S.; Sec. J. P. BEAVEN, F.L.A.; publ. *The Medico-Legal Journal* (quarterly).

Ophthalmological Society of the United Kingdom: at the Royal College of Surgeons, Lincoln's Inn Fields, London, W.C.2; f. 1880 for the cultivation and promotion of ophthalmology; approx. 1,000 mems.; Pres. Sir STEWART DUKE-ELDER, G.C.V.O., M.D., F.R.C.P., F.R.C.S., F.R.S.; Hon. Secs S. J. H. MILLER, M.D., F.R.C.S. and J. H. DOBREE, M.S., F.R.C.S.; publ. *Transactions* (annual).

Pathological Society of Great Britain and Ireland: c/o Wright-Fleming Institute of Microbiology, St. Mary's Hospital Medical School, London, W.2; f. 1906; 1,500 mems.; Secs. Prof. R. E. O. WILLIAMS (above address), Prof. R. C. CURRAN; publ. *Journal of Pathology and Bacteriology*.

Pharmaceutical Society of Great Britain: 17 Bloomsbury Square, London, W.C.1; f. 1841; 28,963 mems.; library of 34,500 vols.; Pres. C. W. MAPLETHORPE, M.SC., F.P.S., F.R.I.C., M.I.CHEM.E.; Sec. Sir HUGH N. LINSTEAD, O.B.E., LL.D., F.P.S.; Sec. and Registrar F. W. ADAMS, B.SC., F.P.S., F.R.I.C.; publs. *The Pharmaceutical Journal* (weekly), *Journal of Pharmacy and Pharmacology* (monthly), *The Pharmaceutical Society's Calendar* (annual), *Annual Register of Pharmaceutical Chemists*, *British Pharmaceutical Codex*, *British Veterinary Codex*, *The Extra Pharmacopoeia*, *The Pharmaceutical Pocket Book* (occasional), *British Pharmocopoeia*, *Drugs: Actions, Uses and Dosage*, etc., and *British National Formulary* (published jointly with the British Medical Association), *Poisons and T.S.A. Guide*.

Royal College of Obstetricians and Gynaecologists: 27 Sussex Place, Regent's Park, London, N.W.1; f. 1929; Pres. Sir. HECTOR MACLENNAN.

Royal College of Physicians: 11 St. Andrew's Place, London, N.W.1; f. 1518; membership consists of Fellows, Members and Licentiates; Pres. Sir CHARLES DODDS, M.V.O., M.D., P.R.C.P., F.R.S.; Sec. Miss I. L. COOK, M.B.E.; library: *see* Libraries.

Royal College of Physicians and Surgeons of Glasgow: 242 St Vincent Street, Glasgow, C.2; f. 1599; a medical licensing corporation; 1,045 Fellows and mems.; library of approx. 150,000 vols.; Pres. Sir CHARLES ILLINGWORTH; Visitor A. B. KERR; Sec. G. B. SHAW.

Royal College of Physicians of Edinburgh: 9 Queen Street, Edinburgh, 2; f. 1681; Sec. Dr. J. B. STANTON; library: *see* Libraries.

Royal College of Surgeons of Edinburgh: 18 Nicolson Street, Edinburgh; f. 1505; Pres. Prof. G. I. SCOTT, F.R.C.S.ED.; Sec. JAMES A. ROSS, M.B.E., F.R.C.S.ED.; Hon. Librarian Sir WALTER MERCER, F.R.C.S.ED.; Conservator D. E. C. MEKIE, O.B.E., F.R.C.S.ED.; publ. *Journal* (quarterly).

Royal College of Surgeons of England: Lincoln's Inn Fields, London, W.C.2; f. 1800; 8,500 Fellows, 26,000 mems., 500 students; Pres. The Rt. Hon. Lord BROCK, F.R.C.S., F.R.C.P.; Sec. R. S. JOHNSON-GILBERT, M.A.; publs. *Annals* (monthly), *Calendar* (occasional), *Annual Report*; Nuffield College of Surgical Sciences for post-graduate students; f. 1957.

Royal College of Veterinary Surgeons: 32 Belgrave Square, London, S.W.1; f. 1844; the governing body of the veterinary profession in the United Kingdom, which

maintains the Statutory Registers and the discipline of the profession and superintends veterinary education in the universities; possesses the foremost veterinary library in the United Kingdom, which is open to veterinary surgeons and bona fide scientific workers; Pres. J. B. WHITE, M.R.C.V.S.; Registrar H. N. WHITE, C.B.E.

Royal Institute of Public Health and Hygiene, The: 28 Portland Place, London, W.1; Laboratories, 23 Queen Square, London, W.C.1; f. as R.I.P.H. 1886, I.H. 1903, amalgamated 1937; approx. 2,600 mems.; Sec. A. R. HORSHAM, F.C.I.S.; publ. *Journal* (monthly).

Royal Medical Society: 3 Hill Square, Edinburgh 8; f. 1737; library of 7,500 vols.; Pres. ALEX M. DAVISON; Sec. R. SMITH; publ. *Res Medica*.

Royal Medico-Psychological Association: 11 Chandos Street, Cavendish Square, London, W.1; f. 1841, Royal Charter 1926; for the promotion of science in relation to mental disorder; 2,500 mems.; sections for Research, Social Psychiatry and Psychotherapy, Child Psychiatry, Mental Deficiency; Pres. IAN SKOTTOWE, M.D., F.R.C.P.; Gen. Sec. A. B. MONRO, M.D., PH.D.; publ. *British Journal of Psychiatry*.

Royal Society of Health: 90 Buckingham Palace Road, London, S.W.1; f. 1876 to promote the health of the people; 33,000 mems.; library of 34,500 books and pamphlets; Patron H.M. THE QUEEN; Pres. The Rt. Hon. The Lord COHEN OF BIRKENHEAD; Sec. P. ARTHUR WELLS, M.A., M.SC., F.C.C.S., F.INST.P., HON. F.A.P.H.A.; publs. *Journal* (bi-monthly) and *Group Bulletin*.

Royal Society of Medicine: 1 Wimpole Street, London, W.1; f. 1805; first Royal Charter 1834, supplemental Charter 1907; world-wide membership, over 12,000; 27 Sections cover whole field of medicine; Photographic Unit making motion films, clinical and x-ray pictures, microfilms and photocopy; Pres. TERENCE CAWTHORNE, F.R.C.S.; Sec. R. T. HEWITT, O.B.E., M.A.; publs. *Calendar* (annual), *Proceedings* (monthly).

Royal Society of Tropical Medicine and Hygiene: Manson House, 26 Portland Place, London, W.1; f. 1907 for the stimulation of inquiry and research into causes, treatment, and prevention of human and animal diseases in warm climates; 2,400 mems.; Pres. Prof. G. MACDONALD, C.M.G., M.D., F.R.C.P.; Hon. Secs. Prof. A. W. WOODRUFF, M.D., F.R.C.P., Dr. B. B. WADDY, D.M., D.PH.; publs. *Transactions* (6 times yearly), *Year Book*.

St. John's Hospital Dermatological Society (incorporating The London Dermatological Society): Lisle Street, Leicester Square, London, W.C.2; meeting at St. John's Hospital for Diseases of the Skin; f. 1911 to promote the knowledge and study of dermatology by showing and discussion of rare and interesting cases; 400 Fellows; Pres. Dr. F. R. BETTLEY; Hon. Sec. Dr. K. V. SANDERSON; publ. *The Transactions* (twice yearly).

Society of British Neurological Surgeons: c/o Radcliffe Infirmary, Oxford; f. 1926; 250 mems.; Pres. J. A. ALEXANDER; Hon. Sec. J. PENNYBACKER; publ. *Proceedings*.

Society of Medical Officers of Health, The: Tavistock House, (South) Tavistock Square, London, W.C.1; f. 1856 for the advancement of public health in every branch, and of the knowledge and interests of the public health service; approx. 2,400 mems.; Pres. Dr. E. HUGHES, M.D., D.P.H., D.P.A.; Sec. Col. J. C. HAMILTON, T.D., B.L.; publ. *Public Health* (bi-monthly).

Tavistock Institute of Medical Psychology: 3 Devonshire Street, London, W.1; f. 1920; promotes the study and practice of psychotherapy and sponsors research in the field of family psychiatry, practical training in the psychodynamics of group relations for people drawn from fields such as industry and commerce and the medical, educational and social services; Sec. S. G. GRAY, F.C.C.I., F.C.C.S.

Worshipful Society of Apothecaries of London: Apothecaries' Hall, Black Friars Lane, London, E.C.4; f. 1617 by King James I; grants a registrable medical qualification (L.M.S.S.A. Lond.), also the post-graduate diplomas in Industrial Health (D.I.H.), and in Medical Jurisprudence (D.M.J.); and a certificate for dispensing assistants; 930 mems.; Master Sir ARTHUR PORRITT, Bt., K.C.M.G., F.R.C.S.; Clerk and Registrar ERNEST BUSBY.

NATURAL SCIENCES

General

Association for Science Education: 52 Bateman Street, Cambridge; f. 1963 to improve science teaching and to provide a medium of expression for science teachers; 11,000 mems.; Gen. Sec. E. W. TAPPER; publ. *The School Science Review*.

British Association for the Advancement of Science: 3 Sanctuary Buildings, 20 Gt. Smith Street, London, S.W.1; f. 1831 "to give a stronger impulse and a more systematic direction to scientific inquiry; to promote the intercourse of those who cultivate science in different parts of the British Empire with one another and with foreign philosophers; to obtain more general attention for the objects of science and the removal of any disadvantages of a public kind which impede its progress"; the B.A. has an organised relationship with over 150 scientific bodies and learned societies; 5,000 mems.; Pres. (1965–66) Sir JOSEPH HUTCHINSON, C.M.G., F.R.S.; Gen. Treas. IAN COX, C.B.E.; Gen. Secs. Sir WILLIAM SLATER, K.B.E., F.R.S., Dr. A. H. HUGHES; publ. *The Advancement of Science*.

British Society for the History of Science: f. 1946; 300 mems.; Pres. A. C. CROMBIE, M.A., B.SC., PH.D.; Hon. Sec. J. A. CHALDECOTT, Science Museum, London, S.W.7; publ. *British Journal for the History of Science* (twice yearly).

Field Studies Council: 9 Devereux Court, Strand, London, W.C.2; f. 1943 to provide facilities for every aspect of field work and to set up for this purpose residential field study and research centres in localities selected for the richness and variety of their ecological features and their geological, geographical, archæological and artistic interest; seven field centres are at present in operation; approx. 4,500 mems.; Pres. The Rt. Hon. Lord HURCOMB, G.C.B., K.B.E.; Chair. Prof. A. R. CLAPHAM, M.A., PH.D., F.R.S.; Founder and Educational Adviser F. H. C. BUTLER, M.A., M.SC., F.I.BIOL.; Sec. and Treas. R. S. CHAPMAN, M.A., F.C.A.; publs. *Programmes of Courses*, *Annual Report*, *Field Studies*.

London Natural History Society: f. 1858 for the study and enjoyment of natural history and kindred subjects, especially within a radius of 20 miles from St. Paul's Cathedral; 1,600 mems.; Pres. V. F. HANCOCK; Gen. Sec. Mrs. SMALL, 13 Woodfield Crescent, W.5; publs. *The London Naturalist*, *The London Bird Report* (both annual).

Ray Society: c/o British Museum (Natural History), Cromwell Road, London, S.W.7; f. 1844 to publish works primarily concerned with the natural history of the British Isles; 575 mems.; 144 vols. published; Pres. L. HARRISON MATTHEWS, SC.D., F.R.S., F.L.S.; Hon. Sec. D. MACFARLANE, B.SC., F.R.E.S.; Hon. Treas. The Rt. Hon. The EARL OF CRANBROOK, C.B.E., M.A., F.L.S.

Society for the Bibliography of Natural History: 14 Belgrave Square, London, S.W.1; f. 1936; Pres. Dr. J. RAMSBOTTOM, O.B.E.; Sec. and Editor FRANCIS J. GRIFFIN, O.B.E.; publ. *Journal*.

Society for the Promotion of Nature Reserves: c/o British Museum (Natural History), Cromwell Road, London, S.W.7; f. 1912; inc. by Royal Charter 1916, for the collection of information about areas of scientific importance, in the United Kingdom or elsewhere in the British Commonwealth, threatened by development; for the preparation of schemes for nature reserves and for their acquisition and maintenance; and for the education of public opinion on the value of nature; 400 mems.; Pres. CHRISTOPHER CADBURY; Hon. Sec. N. D. RILEY, C.B.E.; publ. *Handbook* (annual).

Society for Visiting Scientists, Ltd: 19 Albemarle Street, London, W.1; f. 1944 on initiative of the British Council in consultation with the Royal Society; 3,320 mems.; Pres. and Chair. Prof. A. V. HILL, C.H., O.B.E., F.R.S.

South-Eastern Union of Scientific Societies: 53 The Drive, Shoreham-by-Sea, Sussex; f. 1896; unites some 70 natural history and archæological societies in 12 counties; Pres. Dr. MAURICE BURTON, F.L.S.; Sec. F. EDWARDS, F.L.S., F.PH.S.; Editor F. D. S. RICHARDSON, M.A., F.L.S.; publ. *South-Eastern Naturalist and Antiquary* (annual).

Biological Sciences

Association of Applied Biologists: f. 1904 to promote the study and advancement of all branches of biology, with special reference to their applied aspects; approx. 850 mems.; Pres. F. C. BAWDEN, M.A., F.R.S.; Hon. Sec. F. T. LAST, D.SC., A.R.C.S., Glasshouse Crops Research Institute, Rustington, Littlehampton, Sussex; publ. *Annals of Applied Biology* (bi-monthly).

Association of British Zoologists: f. 1929 to discuss relevant matters and to take action, where necessary, in the interest of zoologists; 550 mems.; Sec. Dr. P. F. MATTINGLY, Dept. of Entomology, British Museum (Natural History), Cromwell Road, London, S.W.7.

Botanical Society of Edinburgh: Royal Botanic Garden, Edinburgh; f. 1836; 471 mems. and Fellows; Pres. Prof. J. WALTON; Secs. R. WATLING, B.SC., Miss P. WATSON, M.A., PH.D.; publs. *Transactions and Proceedings* and *Contemporary Botanical Thought* (series of lectures).

Botanical Society of the British Isles: The Honorary General Secretary, c/o Dept. of Botany, British Museum (Natural History), London, S.W.7; f. 1836; exhibitions, conferences, field meetings; 1,500 mems.; publ. *Watsonia* (twice yearly).

British Ecological Society: f. 1913 to promote and foster the study of ecology in its widest sense; 1,400 mems.; Pres. D. LACK, F.R.S.; Hon. Secs. E. A. G. DUFFEY, Monks Wood Exptl. Station, Abbots Ripton, Hunts., G. T. GOODMAN, Dept. of Botany, Univ. Coll., Swansea, Glam.; publs. *Journal of Ecology* (thrice yearly), *Journal of Animal Ecology* (thrice yearly) and *Journal of Applied Ecology* (twice yearly).

British Mycological Society: f. 1896; 900 mems.; Sec. Dr. R. C. F. MACER, Plant Breeding Institute, Maris Lane, Trumpington, Cambridge; publ. *Transactions* (quarterly).

British Ornithologists' Union: c/o Bird Room, British Museum (Natural History), Cromwell Road, London, S.W.7; f. 1858 for the advancement of the science of ornithology; 1,200 ordinary mems., 13 hon. mems., 30 corresp. mems.; Pres. Prof. V. C. WYNNE-EDWARDS; Hon. Sec. Sir HUGH ELLIOTT; publ. *The Ibis* (quarterly); Editor J. F. MONK, D.M.

British Social Biology Council: 69 Eccleston Square, London, S.W.1; f. 1914 to promote and encourage the teaching of human biology as a cultural and practical subject, and to preserve and strengthen the family as the basic social unit; Pres. The Earl of CRANBROOK; publ. *Biology and Human Affairs* (three times a year).

British Trust for Entomology: 41 Queen's Gate, London, S.W.7; f. 1956; the advancement of knowledge in all branches of the science of entomology; 200 mems.; Chair. Prof. G. C. VARLEY, M.A., PH.D.; Sec. Dr. B. M. HOBBY, M.A., D.PHIL.; publs. *The Entomologist, Transactions of the Society for British Entomology.*

British Trust for Ornithology: Beech Grove, Tring, Herts.; f. 1932 to help bird-watchers of the British Isles by stimulating field research in ornithology and by acting as a clearing centre for information; administers National Bird Ringing Scheme, Nest Record Scheme, breeding season census of common birds and numerous enquiries into the status, distribution and habits of British birds; maintains, jointly with the Univ. of Oxford, the Alexander Library at the Edward Grey Institute of Field Ornithology; approx. 4,000 mems.; Pres. R. C. HOMES; Sec. D. R. WILSON; publs. *Bird Study* (quarterly), *B.T.O. News, Annual Report,* Field Guides, special reports.

Fauna Preservation Society, The: c/o Zoological Society of London, Regent's Park, London, N.W.1; f. 1903 to collect information and help to protect wild animals in all parts of the world, especially in the British Commonwealth; now concerned especially with helping to save endangered species from extinction, and collecting and publishing (in its journal, *Oryx*) information and news about wildlife conservation throughout the world; *c.* 2,500 mems.; Pres. The Marquess of WILLINGDON; Chair. of Council PETER SCOTT; Sec. R. S. R. FITTER; publ. *Oryx* (3 times yearly).

Freshwater Biological Association: The Ferry House, Ambleside, Westmorland; f. 1929 to promote the investigation of the biology of the animals and plants found in fresh (including brackish) water, and to establish and maintain a laboratory or laboratories equipped with boats and other necessary apparatus for the investigation of freshwater life; 1,076 mems.; library of 35,000 books and reprints and 3,700 vols. of scientific periodicals; Pres. Sir EDWARD CHADWYCK-HEALEY, Bt., M.C.; Chair. of Council F. T. K. PENTLOW, O.B.E., M.A.; Sec. and Dir. H. C. GILSON, M.A.; publs. *Annual Report, Scientific Publications.*

Genetical Society: c/o The Secretary, Plant Breeding Institute, Trumpington, Cambridge; f. 1919; Pres. G. PONTECORVO.

Institute of Biology: 41 Queens Gate, London, S.W.7; f. 1950 to advance the knowledge of biology; 250 Fellows, 2,500 mems.; Sec. D. J. B. COPP; publ. *Journal.*

Linnean Society of London: Burlington House, Piccadilly, London, W.1; f. 1788; *c.* 970 Fellows, 50 Foreign Members and 25 Associates h.c.; 23 ordinary Associates; Pres. Dr. ERROL I. WHITE, C.B.E., F.R.S.; Secs. Dr. H. G. VEVERS, M.B.E. (Zoology), Mr. J. P. M. BRENAN (Botany), Dr. JOHN SMART (Editorial); Gen. Sec. T. O'GRADY; publs. *Journal* (Botany), *Journal* (Zoology), *Proceedings, Transactions* (irregular); library: *see* Libraries.

Malacological Society of London: c/o The Dept. of Biology, Queen Elizabeth College, Campden Hill Road, London, W.8; f. 1893 to promote the study of the Mollusca; 350 mems.; Pres. Dr. W. J. REES, D.SC.; Sec. JOYCE E. RIGBY, B.SC., PH.D.; publ. *Proceedings* (3 times a year).

Marine Biological Association of the United Kingdom: The Laboratory, Citadel Hill, Plymouth; f. 1884 to promote accurate researches leading to the advancement of zoological and botanical science, and to an increase in our knowledge of the food, life, conditions, and habits of British fishes; the Asscn. receives grants from universities and other public bodies and an annual grant-in-aid from H.M. Govt.; 1,650 mems.; library of 35,000 vols.; Pres. Prof. C. F. A. PANTIN, SC.D., F.R.S.; Sec. and Dir. of Laboratory and Editor J. E. SMITH, SC.D., F.R.S.; publ. *Journal.*

Physiological Society: Magdalen College, Oxford (regd. office); f. 1876 to promote the advancement of physiology and facilitate the intercourse of physiologists at home and abroad: 800 mems.; Secs. Dr. J. A. B. GRAY, Department of Physiology, University College, Gower Street, London, W.C.1, and Prof. A. A. HARPER, King's College, Newcastle-on-Tyne, 1; publ. *Journal of Physiology* (monthly).

Royal Entomological Society of London: 41 Queens Gate, London, S.W.7; f. 1833; 1,450 mems.; library of 15,000 vols.; Pres. E. O. PEARSON, M.A.; Sec. D. R. RAGGE, PH.D.; publs. *Transactions* (annual), *Proceedings: Series A (General Entomology), Series B (Taxonomic Entomology), Series C (Journal of Meetings), Handbooks for the Identification of British Insects.*

Royal Society for the Protection of Birds: The Lodge, Sandy, Bedfordshire; f. 1889, inc. 1904; approx. 27,000 mems.; Pres. The Rt. Hon. Lord HURCOMB, G.C.B., K.B.E.; Chair. Rev. P. H. T. HARTLEY; Dir. PETER CONDER; publs. *Bird Notes* (bi-monthly), *Bird Life* (quarterly), *Annual Report.*

Royal Zoological Society of Scotland: Zoological Park, Edinburgh, 12; f. 1909, inc. by Royal Charter 1913, for the promotion of the study of zoology and animal physiology, investigation and preservation of Scottish wild animal life, the establishment and maintenance of zoological parks or gardens in Scotland, etc.; 3,000 mems.; library of 1,000 vols.; Pres. The Rt. Hon. Lord ELPHINSTONE, D.L.; Dir.-Sec. GILBERT D. FISHER; publ. *Annual Report.*

Scottish Field Studies Association: 141 Bath Street, Glasgow, C.2; f. 1945; provides residential facilities for scientific field work and organises courses in various parts of Scotland; 700 mems.; Pres. Prof. J. R. MATTHEWS, C.B.E., M.A., F.R.S.E., F.L.S.; publs. *Annual Report*, programmes of courses.

Selborne Society: f. 1885 to perpetuate the memory of Gilbert White of Selborne and to promote the study of natural history, especially amongst schoolchildren; 700 mems.; Hon. Sec. Maj. G. A. CATTLEY, 57 Crofton Road, Ealing, London, W.5; publs. *The Selborne Magazine* (quarterly), incorporated in *Birds and Country.*

Zoological Society of London: Regent's Park, London, N.W.1; f. 1826; approx. 5,255 mems.; Pres. H.R.H. The PRINCE PHILIP, DUKE OF EDINBURGH, K.G., P.C., K.T., G.M.B.E.; Sec. Prof. Sir SOLLY ZUCKERMAN, K.C.B., D.SC., F.R.S.; Scientific Dir. L. HARRISON MATTHEWS, SC.D., F.L.S., F.R.S.; Controller Maj.-Gen. C. J. G. DALTON, C.B., C.B.E.; publs. *Proceedings* (3 vols. annually), *Zoological Record* (annually), *Nomenclator Zoologicus* (5 vols.), *Symposia* (irregular), *Transactions* (irregular).

Mathematics

British Computer Society: Finsbury Court, Finsbury Pavement, London, E.C.2; f. 1957 to promote knowledge of the development of computing machinery and related techniques, including digital and analogue machines and business and scientific applications; 4,300 mems.; Pres. M. A. L. BANKS; Sec. J. G. MACKARNESS; publs. *The Computer Journal* (quarterly), *The Computer Bulletin* (quarterly).

Institute of Statisticians: 55 Park Lane, London, W.1; f. 1948; professional and examining body; 1,970 mems., of whom 200 are Fellows; Pres. M. G. KENDALL, M.A., SC.D.; Hon. Sec. F. D. K. LIDDELL, M.A.; publ. *The Statistician* (4 a year).

London Mathematical Society: Burlington House, London, W.1; f. 1865 for the promotion and extension of mathematical knowledge; approx. 650 mems.; Pres. Prof. A. G. WALKER, F.R.S.; Hon. Secs. PAUL COHN, PH.D., J. A. TODD, PH.D., F.R.S.; Treas. Sir EDWARD COLLINGWOOD, C.B.E., F.R.S.; publs. *Journal* (quarterly), *Proceedings* (quarterly).

Mathematical Association: 22 Bloomsbury Square, London, W.C.1; f. 1871 as the Association for the Improvement of Geometrical Teaching; now aims at encouraging good mathematical methods; over 5,000 mems.; large library at the University of Leicester; Pres. Mrs. E. M. WILLIAMS; Hon. Secs. F. W. KELLAWAY, Miss R. K. TOBIAS; publs. *Reports* and *Mathematical Gazette.*

Physical Sciences

Association of Public Analysts: Bank Chambers, 16 Southwark Street, London, S.E.1; f. 1953; professional organisation which furthers analytical chemistry; 110 mems.; Pres. A. L. WILLIAMS, F.R.I.C.; Hon. Sec. F. A. LYNE, F.R.I.C.; publ. *Journal* (quarterly).

Biochemical Society, The: f. 1911 for the advancement of the science of biochemistry; 3,800 mems.; Office: 20 Park Crescent, London, W.1; publs. *The Biochemical Journal* (monthly), *Clinical Science* (bi-monthly), etc.

British Horological Institute: 35 Northampton Square, London, E.C.1; f. 1858 to promote the cultivation of the science of horology; *c.* 3,500 mems.; Pres. RICHARD VAN DER RIET WOOLLEY, O.B.E., M.A., SC.D., LL.D., F.R.S., F.B.H.I.; Sec. F. WEST, M.B.E., F.R.A.S., F.B.H.I.; publ. *The Horological Journal* (monthly).

Chemical Society: Burlington House, London, W.1; f. 1841; over 15,000 Fellows; Pres. Sir EWART JONES, D.SC., PH.D., F.R.S.; Gen. Sec. J. R. RUCK KEENE, M.B.E., T.D., M.A.; publs. *Journal of the Chemical Society, Chemical Communications, Annual Reports, Quarterly Reviews* (Editor Dr. L. C. CROSS, T.D., F.R.I.C.), *Current Chemical Papers, Chemistry in Britain* (published jointly with Royal Institute of Chemistry), *Russian Journal of Physical Chemistry, Russian Journal of Inorganic Chemistry, Russian Chemical Reviews*; library: *see* Libraries.

Faraday Society: 6 Gray's Inn Square, London, W.C.1; f. 1903; approx. 2,400 mems.; Pres. (1965) Prof. F. S. DAINTON, M.A., PH.D., SC.D., F.R.S.; Sec. and Editor F. C. TOMKINS, D.SC., F.R.I.C., F.R.S.; publs. *Transactions of the Faraday Society* (monthly), *Discussions of the Faraday Society* (twice a year).

Geological Society of London: Burlington House, London, W.1; f. 1807; 2,500 Fellows; Pres. Prof. O. M. B. BULMAN, SC.D., PH.D., A.R.C.S., F.R.S., F.L.S.; Secs. W. B. HARLAND, M.A., P. A. SABINE, PH.D., A.R.C.S.; publs. *Quarterly Journal, Proceedings*; library: *see* Libraries.

Geologists' Association: f. 1858 to foster the progress and diffusion of the science of geology and to encourage research and the development of new methods; about 2,000 mems.; Pres. DENNIS CURRY, M.A., F.G.S.; Hon. Gen. Sec. F. H. MOORE, PH.D., F.G.S., 278 Fir Tree Road, Epsom Downs, Surrey; publ. *Proceedings* (quarterly).

Institute of Physics and the Physical Society: 47 Belgrave Square, London, S.W.1; f. 1918, amalgamated 1960; 9,000 mems.; aims to elevate the profession of physicist and to advance and diffuse a knowledge of physics pure and applied; Pres. Sir GORDON SUTHERLAND, SC.D., LL.D., F.INST.P., F.R.S.; Hon. Sec. C. G. WYNNE, B.A., PH.D., F.INST.P.; Sec. H. R. LANG, PH.D., F.INST.P.; publs. *Journal of Scientific Instruments, British Journal of Applied Physics, Proceedings of the Physical Society, Reports on Progress in Physics, Bulletin, Handbook of Scientific Instruments and Apparatus,* and *Student Monograph* series.

Mineralogical Society of Great Britain and Ireland: 41 Queen's Gate, London, S.W.7; f. 1876; 860 mems.; Pres. Dr. G. F. CLARINGBULL, B.SC., PH.D., A.INST.P.,

F.G.S.; Hon. Gen. Sec. Dr. A. C. BISHOP, B.SC., PH.D., F.G.S.; publs. *Mineralogical Magazine, Mineralogical Abstracts, Clay Minerals Bulletin* and monographs on clay minerals.

Newtonian Society: inaugurated 1935 to honour the name of Isaac Newton and link his admirers; to study his life, character, and genius; to delineate Newton's contemporaries, literary and scientific; to discuss interrelations of science, philosophy, and religion; meetings held at the Newton Institute, Long Court, St. Martin's Street, London, W.C.2; Pres. Rev. F. H. E. HARFITT, F.R.S.S., F.PH.S., F.R.S.A.; correspondence to A. J. B. BROWN, D.SC. (Hon. Sec.), 56 St. Andrews Road, Cranbrook, Ilford, Essex; DOUGLAS GEARY, PH.D., F.R.S.A., F.S.A. (SCOT.), F.I.A.L. (Hon. Treas.); publ. *The Newtonian* (occasional).

Oil and Colour Chemists' Association: Wax Chandlers Hall, Gresham Street, London, E.C.2; f. 1918 to promote by discussion and scientific investigation the technology of the paint, oil, printing ink, and allied industries; over 4,000 mems.; Pres. S. H. BELL, PH.D., D.I.C., A.R.C.S., F.R.I.C.; Gen. Sec. R. H. HAMBLIN, M.A., F.C.I.S., F.C.C.S.; publs. *Journal* (monthly), *Introduction to Paint Technology, Paint Technology Manuals.*

Palaeontographical Society: c/o Geological Survey and Museum, Exhibition Road, South Kensington, London, S.W.7; f. 1847 for the illustration and description of British fossils; Pres. Prof. H. L. HAWKINS, D.SC., F.R.S.; Sec. F. G. DIMES, B.SC.; publ. *Annual Volume* (monographs).

Physical Society: *See* Institute of Physics and the Physical Society (above).

Quekett Microscopical Club: 2 Tudor Street, London, E.C.4; f. 1865 to encourage the study of every branch of microscopical science; 350 mems.; Business Sec. Mrs. E. M. BARRON; publ. *Q.M.C. Journal* (four times a year).

Royal Astronomical Society: Burlington House, London, W.1; f. 1820; granted Royal Charter in 1831; *c.* 1,650 mems.; Pres. Sir RICHARD WOOLLEY, O.B.E., F.R.S.; Secs. Prof. F. GRAHAM SMITH, Dr. M. W. OVENDEN; publs. *Monthly Notices* (monthly), *Geophysical Journal* (six a year), *Quarterly Journal* (quarterly), and *Memoirs* (published irregularly); library: *see* Libraries.

Royal Institute of Chemistry: 30 Russell Square, London, W.C.1; f. 1877; incorporated by Royal Charter, 1885, second Charter 1949; 18,000 mems. (Fellows, Associates, Licentiates and Graduate Members), also nearly 3,000 students; Pres. Prof. H. J. EMELÉUS; Sec. R. E. PARKER, B.SC., PH.D., F.R.I.C.; publs. *Journal* (monthly), *Lectures Series* (about 6 issues annually), *Education in Chemistry* (quarterly), *Monographs for Teachers* (irregular), *Register of Fellows and Associates* (alternate years); special publications (irregular).

Royal Meteorological Society: 49 Cromwell Road, London, S.W.7; f. 1850; approx. 2,200 mems.; Pres. J. S. SAWYER, M.A., F.R.S.; Hon. Sec. Dr. R. FRITH, O.B.E., M.A., PH.D.; Scientific Sec. F. H. LUDLAM, D.SC., D.I.C.; publs. *Quarterly Journal, Weather* (monthly); library: *see* Libraries.

Royal Microscopical Society: Tavistock House (South), Tavistock Square, London, W.C.1; f. 1839 for the promotion of Microscopical Science and its applications; granted Royal Charter in 1866; 900 Fellows; library of approx. 1,300 vols.; Gen. Sec. R. H. SCAIFE; publ. *Journal* (quarterly).

Royal Physical Society of Edinburgh: c/o Department of Animal Genetics, University of Edinburgh; f. 1771, granted Royal Charter 1788, for the cultivation of the natural and physical sciences; originally covered the whole field of science, but, as other societies formed, its scope has narrowed to natural history and palæontology; now mainly concerned with experimental biology and genetics; approx. 160 mems.; Pres. Prof. C. H. WADDINGTON, D.SC., SC.D., C.B.E., F.R.S.; Sec. Dr. H. KACSER, M.SC., PH.D.; publ. *Proceedings* (triennial).

Society for Analytical Chemistry: 14 Belgrave Square, London, S.W.1; f. 1874, inc. 1907; 2,225 mems.; Pres. A. A. SMALES; Hon. Sec. S. A. PRICE; publs. *The Analyst* (monthly), *Analytical Abstracts* (monthly) ,and *Proceedings* (monthly).

Society of Chemical Industry: 14 Belgrave Square, London, S.W.1; f. 1881, Royal Charter 1907; 7,000 mems.; Pres. Sir RONALD HOLROYD, F.R.S.; Gen. Sec. FRANCIS J. GRIFFIN; publs. *Chemistry and Industry* (weekly), *Journal of Applied Chemistry* (with abstracts; monthly), *Journal of the Science of Food and Agriculture* (with abstracts; monthly), *Annual Report on the progress of Applied Chemistry.*

Yorkshire Geological Society: Department of Geology, The University, Leeds 2; f. 1837; 857 mems.; library of 5,000 vols.; Pres. P. E. KENT, D.SC.; Sec. G. A. L. JOHNSON, PH.D.; Dept. of Geology, University Science Laboratories, South Road, Durham City; publ. *Proceedings* (twice a year).

PHILOSOPHY AND PSYCHOLOGY

Aristotelian Society: f. 1880 for the systematic study of philosophy, its historic development and its methods and problems; 450 mems. and 90 subscribing libraries; Hon. Sec. A. A. KASSMAN, 30 Frith Street, London, W.1; publs. *Proceedings* (annual) and *Supplementary Volume* (annual).

British Psychological Society: Tavistock House (South), Tavistock Square, London, W.C.1; f. 1901; 3,147 mems.; Pres. DONALD BROADBENT, M.A., F.B.PS.S.; Deputy Pres. Miss GRACE RAWLINGS, B.A., F.B.PS.S.; Hon. Sec. H. GWYNNE JONES, B.SC., F.B.PS.S.; Hon. Treas. PETER H. VENABLES, PH.D., F.B.PS.S.; publs. *British Journal of Psychology, British Journal of Medical Psychology, British Journal of Educational Psychology, British Journal of Mathematical Statistical Psychology, British Journal of Social and Clinical Psychology.*

Cambridge Philosophical Society: Free School Lane and Benet Street, Cambridge; f. 1819 to promote scientific enquiry and to facilitate the communication of facts connected with the advancement of science; 924 mems.; library of 80,000 vols., mainly periodicals, covering most branches of science, but especially mathematics, physics and general biology; Senior Sec. Dr. S. SMITH, M.A., PH.D.; Librarian Miss J. E. I. LARTER, M.A., F.L.A.; publs. *Proceedings (Mathematical and Physical Sciences), Biological Reviews.*

Leeds Philosophical and Literary Society Ltd.: City Museum, Leeds, 1; f. 1820 for the advancement of knowledge in all its branches, excepting religion, politics and ethics; 120 mems.; Sec. H. HENSON; publ. *Proceedings.*

Manchester Literary and Philosophical Society: 36 George Street, Manchester 1; f. 1781 for the advancement of literature and science; 565 mems.; Pres. Miss M. PILKINGTON, O.B.E., M.A., F.M.A., J.P.; Hon. Secs. R. G. COX, M.A., PH.D., A. E. R. GOULTY, M.A.; Hon. Treas. H. HAYHURST, F.R.I.C., A.M.I.CHEM.E., F.R.E.S.; publ. *Memoirs and Proceedings* (annual).

Mind Association: c/o Thomas Nelson and Sons Ltd., Parkside, Edinburgh, 9; f. 1900; 778 mems.; Editor Prof. GILBERT RYLE; Hon. Sec. Prof. A. R. WHITE; publ. *Mind* (f. 1876; quarterly).

National Institute of Industrial Psychology: 14 Welbeck Street, London, W.1; f. 1921 to ensure the maximum adjustment of the individual to his job by scientific methods of vocational guidance, selection and training, and the promotion of good industrial relations; research programme supported by grant from the

Ministry of Technology; Pres. Rt. Hon. The EARL OF HALSBURY, F.R.I.C., F.INST.P.; Chair. A. J. NICOL; Dir. C. B. FRISBY, PH.D.; Research Dir. R. B. BUZZARD, M.B., B.CH.; publ. *Occupational Psychology* (quarterly).

Royal Institute of Philosophy: 14 Gordon Square, London, W.C.1; f. 1925; 1,000 mems.; Southern California centre f. 1961; Pres. The Rt. Hon. The Earl of HALSBURY, F.R.I.C., F.INST.P.; Chair. Sir W. DAVID ROSS, K.B.E., LITT.D., LL.D., F.B.A.; Sec. JOAN M. JOYCE, F.R.S.A.; publ. *Philosophy* (quarterly).

Royal Philosophical Society of Glasgow: 1 Blythswood Square, Glasgow, C.2; f. 1802; principal activity: lectures; 300 mems.; Pres. G. B. ESSLEMONT, C.B.E., LL.B.; Hon. Sec. C. P. BARBIER, B.A.; publ. *The Philosophical Journal*.

Society for Psychical Research: 1 Adam and Eve Mews, London, W.8; f. 1882 for the purpose of making an organised and systematic attempt to investigate certain debatable phenomena which are *prima facie* inexplicable on any generally recognised hypothesis; 1,035 mems.; Pres. Sir ALISTER HARDY, F.R.S.; publs. *Proceedings* (irregularly), *Journal* (quarterly), and pamphlets.

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

British Sociological Association, The: Skepper House, 13 Endsleigh Street, London, W.C.1; f. 1951 to promote interest in sociology, to advance its study and application in Britain, and to encourage contacts between workers in all relevant fields of enquiry. Pres. Baroness WOOTTON of ABINGER, M.A., L.H.D., J.P.; Chair. Prof. T. S. SIMEY, M.A.; Vice-Chair. Prof. KEITH KELSALL, M.A.; Hon. Gen. Sec. W. H. SCOTT, B.A., PH.D.; Hon. Treas. R. FLETCHER, B.A., PH.D.; Sec. Miss G. M. AYERS, B.SC.(ECON.).

China Society: 31B Torrington Square, London, W.C.1; f. 1906 to encourage the study of the Chinese language, literature, history, folk-lore, art, etc.; *c.* 200 mems.; Pres. Sir ALEXANDER CADOGAN; Joint Hon. Secs. Prof. S. H. HANSFORD, C. W. FEI; Sec. Lt.-Col. J. D. GAGE-BROWN.

East India Association: 3 Temple Chambers, Temple Avenue, London, E.C.4; f. 1866; 700 mems.; Pres. Rt. Hon. Lord SPENS, K.B.E.; Hon. Sec. Sir FRANCIS LOW; publ. *Asian Review*.

Ecclesiological Society: 17 Belmont Road, Wallington, Surrey; f. 1839 as The Cambridge Camden Society; object: to study the science of worship in all its aspects, including architecture, sculpture, painting, woodwork, metalwork, mosaics and stained glass, ceremonial, liturgies, and music, and to preserve our heritage of records and remains; 150 mems.; Pres. Rt. Rev. W. R. GLYN SIMON; Hon. Sec. H. V. MOLESWORTH ROBERTS; publ. *Transactions*.

Eugenics Society: 69 Eccleston Square, London, S.W.1; f. 1907 to promote the study of eugenics, genetics, population problems; approx. 500 mems.; 4,600 vols. in library; Pres. Sir ROBERT PLATT, Bt., M.SC., M.D., F.R.C.P.; Sec. Miss FAITH SCHENK; publ. *The Eugenics Review* (quarterly).

Folk-Lore Society: c/o University College, Gower Street, London, W.C.1; f. 1878; about 550 mems. and subscribers; library of 17,000 vols.; Pres. DOUGLAS N. KENNEDY, O.B.E.; Hon. Sec. ALAN W. SMITH; publ. *Folklore* (quarterly).

Hispanic and Luso-Brazilian Councils: Canning House, 2 Belgrave Square, S.W.1; f. 1943; Librarian and Information Officer G. H. GREEN, B.A.; free library and information bureau on Portugal, Spain and Latin America, with a stock of over 30,000 volumes and over 200 commercial periodicals; publ. *Canning House Library Bulletin, British Bulletin of Publications on Latin America, the West Indies, Portugal and Spain* (twice yearly), the Educ. Dept. publishes *Diamante*; classes are held in Portuguese and courses are run in Spanish, and a close liaison is maintained with over 700 schools, colleges and universities in Great Britain; lectures, films, recitals, etc., on Latin America, Portugal and Spain; Pres. The Rt. Hon. Viscount DAVIDSON, G.C.V.O., C.H., C.B.; Dir.-Gen. Sir JOHN WALKER KING.

Institute of Community Studies: 18 Victoria Park Square, London, E.2; f. 1954; social studies in East London and elsewhere; publs. *Family and Kinship in East London, The Family Life of Old People, Widows and their Families, Family and Class in a London Suburb, Family and Change in an African City, Education and the Working Class, Living with Mental Illness.*

Institute of Race Relations: 36 Jermyn Street, London, S.W.1; to study the relations between different races and peoples and the circumstances and conditions in which they live and work, and to consider and advise upon any proposals to improve such relations, circumstances, and conditions; Chair. LESLIE FARRER-BROWN, C.B.E.; Dir. PHILIP MASON, C.I.E., O.B.E.; publs. *Race* (quarterly), newsletter, books.

Modern Churchmen's Union: f. 1898; for the advancement of liberal religious thought; 1,000 mems.; Pres. Rt. Rev. J. L. WILSON, Bishop of Birmingham; Chair. Canon J. D. PEARCE-HIGGINS, M.A.; Sec. Rev. F. E. COMPTON, Caynham Vicarage, Ludlow, Salop; publ. *The Modern Churchman* (quarterly).

Royal African Society: 18 Northumberland Avenue, London, W.C.2; f. 1901; 1,000 mems.; Pres. Sir CHARLES PONSONBY, Bt., T.D., D.L.; Sec. Miss H. HEATHER; publs. *Journal* (quarterly), *African Affairs*.

Royal Anthropological Institute of Great Britain and Ireland: 21 Bedford Square, London, W.C.1; f. 1843; 1,250 mems.; Pres. Prof. MEYER FORTES; Hon. Sec. A. H. CHRISTIE; publs. *Man, the Journal of the Royal Anthropological Institute* (quarterly), *Proceedings of the Royal Anthropological Institute* (annually), *Index to Current Periodicals* (quarterly), Occasional Papers.

Royal Asiatic Society of Great Britain and Ireland: 56 Queen Anne Street, London, W.1; f. 1823 for the study of the history, sociology, institutions, customs, languages and art of Asia; approx. 800 mems.; 250 subscribing libraries; branches in various Eastern cities; Pres. Prof. Sir HAROLD BAILEY, F.B.A., PH.D., M.A.; Sec. Miss D. CRAWFORD; publs. *Journal* and monographs on Oriental subjects; library: *see* Libraries.

Royal Central Asian Society: 12 Orange Street, London, W.C.2; f. 1901; 2,000 mems. with past or present knowledge of Central Asia, Middle and Far East; library of about 5,000 vols.; Pres. Marshal of the R.A.F. Sir WILLIAM DICKSON, G.C.B., K.B.E., D.S.O., A.F.C.; Chair. Sir GILBERT LAITHWAITE, G.C.M.G., K.C.B., K.C.I.E., C.S.I.; Sec. Miss M. K. MARSH; publ. *Journal* (3 issues per annum).

Royal Commonwealth Society: 18 Northumberland Avenue, London, W.C.2; f. 1868; 31,500 mems.; Chair. of Central Council The Rt. Hon. The Lord GLENDEVON, P.C.; Sec.-Gen. D. K. DANIELS, C.B.E.; publ. *Commonwealth Journal* (bi-monthly).

Royal India, Pakistan and Ceylon Society: 2 Temple Chambers, Temple Avenue, London, E.C.4; f. 1910; 525 mems.; Pres. Rt. Hon. The EARL OF INCHCAPE; Chair. Rt. Hon. Lord BUTLER, C.H., P.C.; Hon. Sec. R. T. COCHRAN, C.B.E.; publ. *Asian Review* (thrice yearly).

Swedenborg Society, The: 20-21 Bloomsbury Way, London W.C.1; f. 1810 for the translation and publication of the writings of Emanuel Swedenborg, Swedish scientist, philosopher and theologian; approx. 900 mems.; Pres. ALAN A. DRUMMOND, M.SC.; Hon. Sec. Mrs. FREDA G. GRIFFITH, PH.D., B.SC.

TECHNOLOGY

Association of Public Lighting Engineers: 78 Buckingham Gate, London, S.W.1; f. 1924, inc. 1928, to promote, encourage, and improve the science of efficient public lighting, and to facilitate the exchange of information and ideas on this subject; *c.* 720 mems.; Pres. W. ROBINSON, B.SC.; Sec. ERIC EVANS; publ. *Public Lighting* (quarterly).

British Institute of Management: Management House, 80 Fetter Lane, London, E.C.4; f. 1947; the central national body for the study and promotion of good management; mems.: 4,200 companies, 22,000 individuals; Dir. JOHN MARSH; Sec. P. M. KIRK; publs. *The Manager, Management Abstracts*, occasional papers and handbooks.

British Interplanetary Society: 12 Bessborough Gardens, London, S.W.1; f. 1933 to promote space research and technology by the study of appropriate subjects, e.g. astronomy, rocket technology, electronics, and the dissemination of knowledge thereon; inc. 1945; mem. International Astronautical Federation; branches in U.K. and U.S.A.; 1,000 Fellows, 1,800 mems.; Chair. M. N. GOLOVINE, B.SC.; Sec. L. J. CARTER, A.C.I.S.; publ. *Spaceflight* (monthly).

British Standards Institution: 2 Park Street, London, W.1; formed 1901 as Engineering Standards Committee; inc. 1918 as British Engineering Standards Assn., f. under Royal Charter as B.S.I. in 1929; the Institution is the organisation for the promulgation of all national standards other than for a few specialised subjects; over 11,000 subscribing mems.; Pres. and Chair. G. CUNLIFFE; Dir. H. A. R. BINNEY, C.B.; Associate Dir. GORDON WESTON, O.B.E.; publs. *Year Book, B.S.I. News* (monthly), *Annual Report* and *British Standard Specifications*.

Confederation of British Industry: 21 Tothill Street, London, S.W.1; *Education Committee:* f. 1917 to keep under review policies in the whole field of education as it affects industry (with the exception of operatives) and to take any necessary action; Chair. Dr. J. A. POPE, D.SC., PH.D., Sec. S. MOORE-COULSON, C.B.; *Research and Technology Committee:* to keep under review questions relating to research and other advances in science and technology as affecting industry and to take any necessary action; Chair. G. A. DUMMETT; Sec. S. MOORE-COULSON, C.B., E.R.D.

Gemmological Association of Great Britain, Inc.: Saint Dunstan's House, Carey Lane, London, E.C.2; f. 1931 for promotion of the study of gemmology and the scientific and industrial study of all materials and articles used or dealt in by persons interested in gemmology; Pres. Sir LAWRENCE BRAGG, F.R.S.; Chair. NORMAN HARPER, F.G.A.; Sec. G. F. ANDREWS; publ. *Journal of Gemmology* (quarterly).

Illuminating Engineering Society, The: York House, Westminster Bridge Road, London, S.E.1; f. 1909 to promote the art, science and technology of lighting and to disseminate knowledge relating to lighting and seeing; confers the title of Fellow of the Society (F.I.E.S.) and Diploma member (DIP. M.I.E.S.); Pres. R. G. HOPKINSON; Sec. G. F. COLE; publs. *Transactions* (quarterly), *Light and Lighting* (monthly).

Institute of Fuel: 18 Devonshire Street, Portland Place, London, W.1; f. 1927, Royal Charter 1946, to promote, foster, and develop the general advancement of the various branches of fuel technology, to promote research, and to act as a professional organisation; 6,200 mems.; Pres. G. J. GOLLIN, M.A.; Sec. R. W. REYNOLDS-DAVIES, O.B.E.; Acting Sec. R. JACKSON, M.SC., PH.D.; publs. *Journal* (monthly), *Fuel Abstracts and Current Titles* (monthly), periodical reports on special studies.

Institute of Marine Engineers: The Memorial Building, 76 Mark Lane, London, E.C.3; f. 1889 to promote the scientific development of marine engineering in all its branches; 17,500 mems.; Pres. Sir JOHN HUNTER, C.B.E., B.SC., J.P.; Chair. of Council H. N. PEMBERTON; Sec. J. STUART ROBINSON, M.A.; publs. *Transactions* (monthly).

Institute of Metals: 17 Belgrave Square, London, S.W.1; f. 1908; local sections in big industrial towns; approx. 6,500 mems.; Pres. Dr. N. P. INGLIS; Sec. R. E. MOORE; Editor J. S. BRISTOW, B.SC.; publs. *Journal of the Institute, Metallurgical Abstracts, Metallurgical Reviews, Annotated Equilibrium Diagrams*, jointly with Iron and Steel Institute *Powder Metallurgy* (official publication of Powder Metallurgy Joint Group); joint library with Iron and Steel Institute, *see* Libraries.

Institute of Petroleum: 61 New Cavendish Street, London, W.1; f. 1913 to promote, encourage, and co-ordinate the study of petroleum and its allied products, and to accumulate and disseminate information and knowledge relating thereto; 4,400 mems.; Pres. G. H. HERRIDGE; Gen. Sec. D. A. HOUGH, T.D., F.I.A.C.; Editor PETER HEPPLE; publs. *Journal, Institute of Petroleum Review* (both monthly), *IP Standards for Petroleum and its Products* (annual), *Safety Codes*.

Institute of Quarrying: 62–64 Baker Street, London, W.1; f. 1917; professional institute to improve science and practice of quarrying and to provide a forum for technical discussion; over 1,900 home and overseas mems.; Pres. F. FRITH; Chair. T. P. G. WHITLEY, B.A.; Sec. MARY ROBERTS; Tech. Officer B. G. FISH, M.SC.; publs. *The Quarry Managers' Journal* (monthly), *Year Book*.

Institute of Refrigeration: New Bridge Street House, 30 New Bridge Street, London, E.C.4; f. 1900 (as the Cold Storage and Ice Association) for the general advancement of refrigeration in all its applications; *c.* 1,170 mems.; Pres. Col. RANDAL STEWARD, T.D., B.SC.; Sec. D. T. LEE; publ. *Proceedings*.

Institute of Sewage Purification: 49–55 Victoria Street, Westminster, London, S.W.1; f. 1901; 1,400 mems.; Pres. M. R. VINCENT DAVISS, B.SC., M.I.C.E., F.INST.S.P.; Gen. Sec. FRANK STEPHENS; publ. *Journal and Proceedings* (bi-monthly).

Institute of Transport: 80 Portland Place, London, W.1; f. 1919, inc. by Royal Charter 1926, to promote, encourage, and co-ordinate the study and advancement of the science and art of transport in all its branches; 11,000 mems.; library of 12,000 vols.; Pres. A. R. DUNBAR, C.B.E., M.INST.T.; Sec. F. W. CREWS; publ. *Journal* (two monthly).

Institute of Welding: 54 Princes Gate, London, S.W.7; f. 1923 to promote the advancement of the science and practice of welding by means of gases or electricity, or by other means, and allied sciences; 5,270 mems.; Pres. Prof. J. G. BALL, B.SC., F.I.M.; Sec. G. PARSLOE, M.A.; publs. *British Welding Journal* (monthly), *Handbook for Welding Design*, etc.

Institute of Work Study Practitioners: 9–10 River Front, Enfield, Middlesex; f. 1965; professional and examining body; 8,000 mems.; Chair. Dr. J. E. FARADAY, PH.D.; Gen. Sec. E. A. KING, F.C.I.S.; publ. *Work Study and Management* (monthly).

Institution of Chemical Engineers, The: 16 Belgrave Square, London, S.W.1; f. 1922, inc. by Royal Charter to promote the science and practice of chemical engineering, to improve the standards and methods of education therein, and to act as a qualifying body for chemical engineers, etc.; approx. 7,200 mems.; Pres. Prof. P. V. DANCKWERTS; Gen. Sec. J. B. BRENNAN, M.B.E., M.SC., PH.D.; publs. *Transactions* and *The Chemical Engineer* (10 a year).

Institution of Civil Engineers: Great George Street, Westminster, London, S.W.1; f. 1818; inc. by Royal Charter in 1828 for the general advancement of mechanical science and more particularly for promoting the acquisition of that species of knowledge which constitutes the profession of a Civil Engineer, being the art of directing the great sources of power in Nature for the use and convenience of man; 33,916 corporate and non-corporate mems.; library of 76,000 vols., 20,000 pamphlets; Pres. M. J. A. BANKS, C.V.O., O.B.E., M.I.C.E.; Sec. A. MCDONALD, B.SC., M.I.C.E.; publs. *Proceedings*, *Géotechnique* (monthly).

Institution of Electrical Engineers: Savoy Place, London, W.C.2; f. in 1871 and inc. by Royal Charter in 1921 to promote the general advancement of electrical science and engineering and their applications, and to facilitate the exchange of information and ideas on those subjects; 54,580 mems.; Pres. L. DRUCQUER, M.I.E.E.; Sec. G. F. GAINSBOROUGH, B.SC., PH.D., M.I.E.E.; publs. *Electronics and Power*, *Proceedings*, *Electronics Letter*, *Science Abstracts: Section A, Physics*; *Section B, Electrical Engineering*; Current papers; library: *see* Libraries.

Institution of Electronic and Radio Engineers: 8/9 Bedford Square, London, W.C.1; f. 1925, inc. by Royal Charter 1961, to promote the advancement of the science of radio and electronic engineering and their applications, to facilitate the exchange of information and ideas on these subjects, to conduct examinations in all branches of radio and electronic engineering; 9,750 mems.; Pres. Col. G. W. RABY, C.B.E.; Sec. GRAHAM D. CLIFFORD, C.M.G.; publs. *Journal* (monthly), *Year Book*.

Institution of Electronics: Pennine House, 78 Shaw Road, Rochdale, Lancs.; f. 1930, inc. 1935, for the furtherance of the science of electronics and other scientific subjects; over 1,700 mems.; Gen. Sec. W. BIRTWISTLE, M.INST.E.; publ. *Proceedings* (quarterly).

Institution of Engineering Designers: 38 Portland Place, London, W.1; f. 1945 to promote the general advancement of the science appertaining to engineering design and to forward the practice and standardisation of engineering draughtsmanship; 5,000 mems.; Gen. Sec. W. E. WALTERS, F.I.E.D., F.R.S.A., F.F.C.S.; publ. *The Engineering Designer* (monthly).

Institution of Engineers and Shipbuilders in Scotland: 39 Elmbank Crescent, Glasgow, C.2; f. 1857 to facilitate the exchange of information and ideas amongst its mems., and to promote the advancement of the science and practice of engineering and shipbuilding; 1,600 mems.; library of 10,000 vols.; Pres. J. LENAGHAN, C.B.E.; Sec. P. W. THOMAS, B.SC.(ENG.); publ. *Transactions*.

Institution of Fire Engineers: 94 Southwark Bridge Road, London, S.E.1; f. 1918, inc. 1924, to promote, encourage, and improve the science of fire engineering and fire technology; 5,000 home and overseas mems.; Pres. H. S. CHISNALL, M.I.FIRE.E.; Gen. Sec. Major A. W. BEEVERS; publ. *The Quarterly Journal*.

Institution of Gas Engineers: 17 Grosvenor Crescent, London, S.W.1; Royal Charter 1929, to promote by research, discussion, education or otherwise as may seem to the Institution desirable each and all of the sciences of which knowledge may from time to time be required for the better production, distribution or utilisation of gas and of the by-products of its productions; 4,000 mems.; library of over 10,000 vols.; Pres. L. J. CLARK, B.E.M., M.SC., M.I.C.E., M.I.GAS.E., M.I.MECH.E., A.M.I.E.E., A.M.I.CHEM.E., F.INST.F.; Sec. A. G. HIGGINS, M.SC., M.I.GAS.E., F.R.I.C.; publs. *Journal* (monthly), *Communications* (twice a year).

Institution of Heating and Ventilating Engineers: 49 Cadogan Square, London, S.W.1; 1897 for the promotion of the science and practice of heating, ventilating, air-conditioning, drying, domestic hot-water supplies, and all branches of engineering kindred thereto; 4,000 mems.; Pres. G. A. ROOLEY, A.M.I.C.E., A.M.I.MECH.E., M.INST.F., M.I.H.V.E., M.CONS.E.; Sec. B. A. HODGES, B.A.; publ. *I.H.V.E. Journal* (monthly).

Institution of Highway Engineers: 47 Victoria Street, London, S.W.1; f. 1930 to promote the furtherance, consideration and discussion of all questions affect, ing the profession of Highway Engineering; 3,300 mems.; Pres. W. R. THOMSON, M.I.C.E., M.I.MUN.E., F.INST.H.E.; Hon. Sec. J. T. COURTNEY HATCHER; publ. *Quarterly Journal*.

Institution of Locomotive Engineers: Locomotive House. Buckingham Gate, London, S.W.1; f. 1911; Pres, (1965–66) A. W. MANSER, B.SC.(ENG.), M.I.MECH.E., M.I.E.E., M.I.LOCO.E.; Sec. and Editor G. T. HART, B.SC.(ENG.), M.I.MECH.E., M.I.LOCO.E.; publ. *Journal of the Institution of Locomotive Engineers* (6 annually).

Institution of Mechanical Engineers: 1 Birdcage Walk, London, S.W.1; f. 1847, inc. by Royal Charter 1930; 60,000 mems.; library of 80,000 items; Pres. H. NORMAN G. ALLEN, C.B.E., M.A., M.I.MECH.E.; Sec. K. H. PLATT, M.B.E., M.I.MECH.E.; publs. *Proceedings* (from 1847), *Chartered Mechanical Engineer*.

Institution of Metallurgists, The: 4 Grosvenor Gardens, London, S.W.1; f. 1945 to bring within one professional body qualified metallurgists engaged in production, research, teaching, consulting work, etc.; to promote the better education and training of metallurgists; holds examinations every July in the U.K. and Overseas for admission to its grades of membership; weekend residential courses are held twice a year; 7,320 mems.; Pres. Dr. I. JENKINS, D.SC., F.I.M.; Registrar-Sec. R. G. S. LUDLAM; publs. *The Metallurgist* (bi-monthly), *Annual Year Book* and two pamphlets on Metallurgy.

Institution of Mining Engineers: 3 Grosvenor Crescent, London, S.W.1; f. 1889, inc. by Royal Charter 1915, for the advancement of the science of engineering in relation to coal and iron ore mining, and the promotion of the acquisition of the scientific knowledge necessary for the control and direction of mining operations in relation to stratified deposits; approx. 5,250 mems.; Pres. (1966–67) JOHN BRASS; Sec. J. MCDERMID, T.D.; publ. *The Mining Engineer* (monthly).

Institution of Municipal Engineers: 25 Eccleston Square, London, S.W.1; f. 1873, inc. by Royal Charter 1948, to promote the science of engineering as applied to the duties imposed upon and services undertaken by local authorities for the benefit of the community with the object of securing the highest degree of efficiency; 8,700 mems.; Pres. J. ARMOUR, M.I.C.E., M.I.MUN.E.; Sec. A. BANISTER, O.B.E., B.SC., M.I.C.E.; publ. *Journal* (monthly).

Institution of Plant Engineers: 2 Grosvenor Gardens, London, S.W.1; f. 1946; professional and examining body; 5,000 mems.; Pres. R. G. ROBERTSON, B.ENG., A.M.I.MECH.E.; Sec. G. J. LYONS; publ. *The Plant Engineer*.

Institution of Production Engineers: 10 Chesterfield Street, London, W.1; f. 1921 to promote the science and practice of production engineering; 14,040 mems.; Pres. R. RATCLIFFE, C.B., M.B.E.; Sec. W. F. S. WOODFORD, F.C.C.S.; publs. *The Production Engineer* (monthly), *The International Journal of Production Research* (quarterly).

Institution of Public Health Engineers: 179/181 Vauxhall Bridge Road, London, S.W.1; f. 1895; 1,500 mems.; Pres. J. M. L. BOGLE, M.C., M.ENG., M.I.C.E., M.I.MECH.E., M.CONS.E., F.I.P.H.E.; Chair. D. G. M. ROBERTS, M.A., M.I.C.E., A.M.I.MECH.E., M.CONS.E., F.I.P.H.E.; Sec. E. V. BALSOM, M.B.E., A.M.I.MECH.E., F.R.S.H.; publ. *Journal and Proceedings* (quarterly).

Institution of the Rubber Industry: 4 Kensington Palace Gardens, London, W.8; f. 1921; to maintain diplomas in rubber technology, to widen the scope of technical education, and to advance the rubber industry; 4,500 mems.; Pres. Sir WALTER WORBOYS; Chair. of the Council Dr. T. J. DRAKELEY, C.B.E.; Sec. G. E. HOLMES-SIEDLE; publs. *Transactions and Proceedings* (bi-monthly), *Annual Report on the Progress of Rubber Technology, Conference Proceedings.*

Institution of Structural Engineers: 11 Upper Belgrave Street, London, S.W.1; f. 1908, inc. by Royal Charter 1934, to promote the general advancement of the science and art of structural engineering; over 10,588 mems.; Pres. D. A. G. REID, B.SC.(ENG.), M.INST.E., M.I.C.E.; Sec. C. D. MORGAN, F.C.I.S.; publs. *The Structural Engineer* (monthly), *Year Book and List of Members* (annually) and *Technical Reports* (as issued).

Institution of Water Engineers: 11 Pall Mall, London, S.W.1; f. 1896, inc. 1911, to promote the advancement of water engineering and all matters connected with or relating to water undertakings; approx. 2,500 mems.; Pres. S. G. BARRETT, M.SC., M.I.C.E.; Sec. W. O. SKEAT, B.SC., A.M.I.C.E., M.I.MECH.E.; publs. *Manual of British Water Engineering Practice, Journal, Year Book and List of Members.*

Iron and Steel Institute: 4 Grosvenor Gardens, London, S.W.1; f. 1869, inc. by Royal Charter 1899, for the collection and dissemination of knowledge and information on the making, use, and properties of iron and steel and all subjects of interest to ferrous metallurgists; *c.* 8,000 mems.; Pres. W. F. GILBERTSON; Sec. K. HEADLAM-MORLEY, O.B.E.; publ. *Journal* (monthly); library: *see* Libraries.

Joint Committee for National Certificates and Diplomas in Metallurgy: Dept. of Education and Science, Curzon Street, London, W.1; f. April 1945; includes representatives of The Iron and Steel Institute, The Institution of Mining and Metallurgy, The Institute of Metals, The Institution of Metallurgists and Dept. of Education and Science; administers the award of Ordinary and Higher National Certificates and Higher National Diplomas in Metallurgy; Joint Sec., Dept. of Education and Science.

National Society for Clean Air: Field House, Breams Buildings, London, E.C.4; founded in 1899 as Coal Smoke Abatement Society and amalgamated with the Smoke Abatement League of Great Britain in 1929; 1,500 mems.; 600 of whom are local authorities; Pres. Sir ALAN WILSON, F.R.S.; Dir. and Editor ARNOLD MARSH, O.B.E., M.SC.(TECH.), M.INST.F.; publs. *Smokeless Air* (quarterly), *Clean Air Year Book, Proceedings of Annual Conferences, Annual Conference and Exhibition Handbook.*

Newcomen Society for the Study of the History of Engineering and Technology: Science Museum, South Kensington, London, S.W.7; f. 1920 to encourage and foster study of the history of engineering and technology in all parts of the world; Hon. Sec. K. R. GILBERT, M.A., D.I.C.; Science Museum, London, S.W.7; publ. *Transactions* (annual).

Plastics Institute, The: 6 Mandeville Place, London, W.1; f. 1931; to advance the standards and methods of education in the fields of plastics, high polymers and related subjects and to promote the development of the art, science and technologies of these subjects by facilitating the exchange of information; acts as a qualifying body for plastics technologists; over 4,700 mems.; Pres. P. A. DELAFIELD, M.A., F.P.I.; Chair. MALDWYN JONES, B.SC., F.I.R.I., F.P.I.; Sec. J. N. RATCLIFFE, F.C.I.S.; publs. *Transactions and Journal* (bi-monthly), technical monographs.

Radio Society of Great Britain: New Ruskin House, Little Russell Street, London, W.C.1; f. 1913 to promote interest in the science of radio-communication by amateurs, and to safeguard the interests of those of its members who operate or aspire to operate amateur transmitting stations; 13,500 mems.; Pres. (1966) R. F. STEVENS; Gen. Man. and Sec. JOHN A. ROUSE; publ. *Bulletin* (monthly).

Royal Aeronautical Society: 4 Hamilton Place, London, W.1; f. 1866; 10,000 mems.; Sec. A. M. BALLANTYNE, B.SC., PH.D.; publs. *Journal* (monthly), *Aeronautical Quarterly, Data Sheets.*

Royal Institution of Naval Architects, The: 10 Upper Belgrave Street, London, S.W.1; f. 1860, inc. 1910 and 1960 to promote the improvement of ships; 4,825 mems.; Pres. Viscount SIMON, C.M.G.; Sec. L. A. TILTMAN; publ. *Transactions* (quarterly, and in annual volumes).

Society of Consulting Marine Engineers and Ship Surveyors: 4 Lloyd's Avenue, London, E.C.3; f. 1920 to provide a central organisation for consulting engineers, naval architects and ship surveyors, and generally to elevate the status and procure the advancement of the interests of the profession; Pres. BEN E. LEACH; Sec. Miss D. E. JACOB; publ. *Quarterly Report.*

Society of Dyers and Colourists: Dean House, 19 Piccadilly, Bradford, 1, Yorks.; f. 1884 to promote the advancement of science and technology, especially in the theory and practice of the tinctorial arts; approx. 3,400 mems.; Pres. JOHN BARRITT, O.B.E., B.SC., F.S.D.C.; Gen. Sec. J. W. NICHOLLS, F.C.I.S.; publ. *Journal of the Society of Dyers and Colourists* (monthly).

Society of Engineers (Inc.): Abbey House, 2-8 Victoria Street, London, S.W.1; f. 1854 to promote the science and practice of engineering, etc.; 3,600 mems.; library of 2,000 vols.; Pres. C. L. N. LAING, F.S.E.; Sec. L. T. GRIFFITH, M.S.E.; publ. *Journal and Transactions.*

Society of Glass Technology: "Thornton", 20 Hallam Gate Road, Sheffield, 10; f. 1916 to promote the asssociation of persons interested in glass technology; approx. 1,400 mems.; Hon. Sec. T. S. BUSBY, B.SC., F.G.S., F.I.CERAM., F.S.G.T.; Editor Prof. R. W. DOUGLAS, D.SC., F.INST.P., F.S.G.T.; Asst. Sec. and Asst. Ed. D. HAWKSWORTH; publs. *Glass Technology, Physics and Chemistry of Glasses* (bi-monthly).

Society of Licensed Aircraft Engineers and Technologists: Mark House, 153 London Road, Kingston-upon-Thames, Surrey; f. 1944; technical, professional and examining body; Pres. F. H. PEARN, M.B.E.; Sec.-Gen. H. W. PAYNE, A.R.Ae.S.; Chair. of Central Examining Authority Air Commodore Sir VERNON BROWN, C.B.E., M.A., F.R.Ae.S.

South Wales Institute of Engineers: Institute Buildings, Park Place, Cardiff; f. 1857 for the encouragement and advancement of engineering science and practice; 950 mems.; Pres. Prof. JOHN SINCLAIR, M.ENG., PH.D., M.I.MIN.E., Barrister-at-law; Acting Sec. Mrs. E. M. DAVIES; publ. *Proceedings* (thrice yearly).

Television Society: 166 Shaftesbury Avenue, London, W.C.2; f. 1927 for the furtherance of the science and practice of television; over 1,600 mems.; Pres. F. N. SUTHERLAND, C.B.E.; Chair. T. KILVINGTON, B.SC., M.I.E.E.; Sec. C. A. MARSHALL, B.SC., A.M.I.E.E.; publ. *Journal* (quarterly).

Textile Institute: 10 Blackfriars Street, Manchester, 3; f. 1910; Royal Charter 1925 and 1955, to secure closer contact between scientific and practical men in the textile industry, to promote the profession and practice of textile technology, to promote and encourage technical training and education in the industry, and to constitute an authority for the determination and recognition of technical and trade standards, usages, terms and definitions for the industry; 7,700 mems.; Pres. F. C. BAGNALL, C.B.E., M.A., COMP.I.I.; Gen. Sec. D. B. MOORE, B.A., A.M.B.I.M.; publs. *Journal* (monthly), *Year Book, Annual Review of Textile Progress,* etc.

RESEARCH INSTITUTES

Agriculture and Veterinary Science

Agricultural and Horticultural Research Station (University of Bristol): Long Ashton, Bristol; f. 1903 as National Fruit and Cider Institute, which was in 1912 incorporated in the Research Station; research into fruit culture and related subjects, control of diseases of agricultural and horticultural crops, and into domestic preservation of fruit, vegetables and meat; Dir. Prof. H. G. H. Kearns, O.B.E., B.SC., PH.D.; Sec. A. L. Leggett, A.C.A.; publ. *Annual Report*.

Agricultural Research Council: Cunard Building, 15 Regent Street, London, S.W.1; f. by Royal Charter in 1931; under the Secretary of State for Education and Science; Chair. His Grace The Duke of Northumberland, K.G., T.D.; Sec. Sir Gordon Cox, K.B.E., T.D., D.SC., F.INST.P., F.R.I.C., F.R.S.; publs. *Index of Agricultural Research, The Agricultural Research Service, Report of the Agricultural Research Council*.

The Council controls the following institutes and units:

A.R.C. Animal Breeding Research Organisation: 6 King's Buildings, West Mains Road, Edinburgh 9; Dir. H. P. Donald, D.SC., PH.D., F.R.S.E.

A.R.C. Farm Buildings Unit: Wrest Park Lodge, Silsoe, Beds.; Dir. J. K. W. Slater, M.A., M.SC.

A.R.C. Institute for Research on Animal Diseases: Compton, Newbury, Berks.; Dir. W. S. Gordon, C.B.E., PH.D., M.R.C.V.S., F.R.S.E.

A.R.C. Institute of Animal Physiology: Babraham, Cambridge; Dir. R. D. Keynes, M.A., PH.D., SC.D., F.R.S.

A.R.C. Poultry Research Centre: King's Buildings; West Mains Road, Edinburgh, 9; Dir. Dr. T. C. Carter, O.B.E., D.SC., F.R.S.E.

A.R.C. Radiobiological Laboratory: Letcombe Regis, Wantage, Berks.; Dir. R. Scott Russell, M.A., D.SC., PH.D.

A.R.C. Statistics Group: School of Agriculture, Cambridge; Under supervision of R. C. Campbell, M.A., PH.D.

A.R.C. Systemic Fungicides Unit: Wye College, Ashford, Kent; Hon. Dir. Prof. R. L. Wain, D.SC., PH.D., F.R.I.C., F.R.S.

A.R.C. Unit of Plant Physiology: Imperial College of Science and Technology, Prince Consort Road, London, S.W.1; Dir. (Vacant).

A.R.C. Unit of Animal Genetics: Institute of Animal Genetics, King's Buildings, West Mains Road, University of Edinburgh; Hon. Dir. Prof. C. H. Waddington, C.B.E., M.A., SC.D., F.R.S.

A.R.C. Unit of Embryology: University College of North Wales, Bangor, Caerns.; Hon. Dir. Prof. F. W. Rogers Brambell, B.A., D.SC., PH.D., F.R.S.

A.R.C. Unit of Experimental Agronomy: Department of Agriculture, University of Oxford; Hon. Dir. Prof. G. E. Blackman, M.A., F.R.S.

A.R.C. Unit of Insect Physiology: Department of Zoology, Downing Street, Cambridge; Dir. Sir Vincent B. Wigglesworth, C.B.E., M.A., M.D., B.CH., F.R.S.

A.R.C. Unit of Nitrogen Fixation: The Chemical Laboratory, University of Sussex, Brighton; Dir. Prof. J. Chatt, M.A., PH.D., SC.D., F.R.S.

A.R.C. Unit of Reproductive Physiology and Biochemistry: Molteno Institute, Cambridge; Dir. T. R. R. Mann, C.B.E., M.D., SC.D., PH.D., F.R.S.

A.R.C. Unit of Soil Physics: School of Agriculture, Cambridge; Hon. Dir. E. C. Childs, SC.D., PH.D.

A.R.C. Unit of Statistics: University of Aberdeen, Meston Walk, Old Aberdeen; Dir. Prof. D. J. Finney, M.A., SC.D., F.R.S., F.R.S.E.

A.R.C. Virus Research Unit: Huntingdon Road, Cambridge; Dir. R. Markham, M.A., PH.D., F.R.S.

Ditton Laboratory: Larkfield, Maidstone, Kent; Dir. R. A. Tomkins, M.A., PH.D., M.INST.R.

Food Research Institute: Earlham Food Research Laboratories, Recreation Road, Norwich 05G; Dir. S. R. Elsden, B.A., PH.D.

Low Temperature Research Station: Downing Street, Cambridge; Dir. E. C. Bate-Smith, C.B.E., SC.D., PH.D., M.INSTR.R., F.L.S.

Meat Research Institute: c/o Low Temperature Research Station, Downing Street, Cambridge; Dir. M. Ingram, PH.D.

Pest Infestation Laboratory: London Road, Slough, Bucks.; Dir. G. V. B. Herford, C.B.E., M.SC.

Weed Research Organisation: Begbroke Hill, Kidlington, near Oxford; Dir. J. D. Fryer, M.A.

Animal Diseases Research Association: Moredun Institute, Gilmerton, Edinburgh, 9; f. 1920 for research into diseases of farm animals; Dir. John T. Stamp, D.SC., M.R.C.V.S., F.R.S.E.; Sec. D. M. Cameron, A.C.I.S.; publ. *Annual Report*.

Central Veterinary Laboratory (Ministry of Agriculture, Fisheries and Food): New Haw, Weybridge, Surrey; f. 1917 for the investigation and control of diseases in animals; joint library with Commonwealth Bureau of Animal Health (5,000 vols., 550 periodicals); Dir. H. I. Field, M.SC., M.R.C.V.S., F.C.PATH., F.R.S.A.; Laboratory Sec. G. C. Hampson; Librarian D. E. Gray, F.L.A.

Commonwealth Agricultural Bureaux: *see* International Chapter, sub-section 'Agriculture'.

Commonwealth Forestry Institute: University of Oxford, South Parks Road, Oxford; f. 1924 for research and higher studies in forestry; Dir. Prof. M. V. Laurie, O.B.E., M.A.

East Malling Research Station: East Malling, Maidstone, Kent; f. 1913 for the promotion of experiments in horticulture; Dir. F. R. Tubbs, C.B.E., M.SC., PH.D., A.R.C.S., D.I.C., F.L.S.; publs. *Annual Report, Journal of Horticultural Science* (joint publication with Long Ashton Research Station).

Glasshouse Crops Research Institute: Worthing Road, Rustington, Littlehampton, Sussex; f. 1953 for research on glasshouse crops and mushrooms, and on bulbs, flowers and shrubs grown in the open; Dir. F. W. Toovey, O.B.E., B.SC., A.R.C.S., A.I.C.T.A.; publ. *Annual Report*.

Grassland Research Institute: Hurley, nr. Maidenhead, Berks.; Dir. E. K. Woodford, O.B.E., M.SC., PH.D., D.I.C., F.I.BIOL.

Hill Farming Research Organisation: 29 Lauder Road, Edinburgh 9; research on hill utilisation, hill sheep production and soil nutrition.

Hop Research Centre: Wye College, Ashford, Kent; Officer-in-Charge R. A. Neve, B.SC.AGRIC., DIP.AGRIC.-SCI., PH.D., M.I.BIOL.

John Innes Institute: Bayfordbury, Hertford, Herts.; f. 1920 by private bequest now grant-aided; for research in genetics, plant breeding, cell biology and physiology; Dir. K. S. Dodds, D.SC., PH.D.

National Institute for Research in Dairying: Shinfield, Reading, Berks.; f. 1912 for the investigation of problems in dairying and allied subjects; more than 19,000 vols. and 30,000 pamphlets in library; Sec. J. C. F. Coles; publ. *Annual Report.*

National Institute of Agricultural Botany: Huntingdon Road, Cambridge; f. 1919 to promote the improvement of existing varieties of seeds, plants and crops in the United Kingdom; includes the Official Seed Testing Station for England and Wales, and other branches which are particularly concerned with crop variety testing, seed multiplication, seed certification and seed production techniques; 4,200 mems.; Dir. F. R. Horne, C.B.E., M.A., N.D.D.; publs. *Annual Report, Journal,* and leaflets.

National Vegetable Research Station: Wellesbourne, Warwick; f. 1949; Dir. J. Philp, B.SC., PH.D.; publ. *Annual Report.*

Plant Breeding Institute: Maris Lane, Trumpington, Cambridge; Dir. G. D. H. Bell, PH.D.; publ. *Annual Report.*

Plant Pathology Laboratory: Hatching Green, Harpenden, Herts.; f. 1914; is an integral part of the Ministry of Agriculture, Fisheries and Food and its primary function is to advise the Minister on all matters relating to pests and diseases of plants, and to insecticides, herbicides and fungicides, their composition, toxic hazards and use; Dir. M. Cohen, M.SC., PH.D., F.I.BIOL.

Poultry Genetics Station: School of Agriculture, Cambridge; Dir. D. G. Gilmour, PH.D.

Research Institute (Animal Virus Diseases): Pirbright, Surrey; Dir. J. B. Brooksby, PH.D., D.SC., M.R.C.V.S.

Rothamsted Experimental Station: Harpenden, Herts.; f. 1843 for research in soil and plant growth; Rothamsted is also the headquarters of the Soil Survey of England and Wales and the Commonwealth Bureau of Soil Science; about 70,000 volumes in library; Scientific Staff 185; Dir. F. C. Bawden, F.R.S.; Sec. J. B. Bennett, A.C.A.; Heads of Depts.: Physics, H. L. Penman, PH.D., F.R.S.; Chemistry, G. W. Cooke, PH.D., Soil Microbiology, P. S. Nutman, PH.D.; Pedology; C. J. Bloomfield, PH.D., F.R.I.C.; Botany, D. J. Watson, PH.D.; Statistics, F. Yates, F.R.S.; Plant Pathology, P. H. Gregory, D.SC., F.R.S.; Biochemistry, N. W. Pirie, F.R.S.; Entomology, C. G. Johnson, D.SC.; Bees, C. G. Butler, PH.D.; Insecticides, C. Potter, D.SC.; Nematology, F. G. W. Jones, M.A.; Field Experiments, G. V. Dyke, M.A.; Head of Farms, J. R. Moffatt, B.SC.(AGRIC.); Librarian T. Cawley, B.A., A.L.A.; publs. *Memoirs, Annual Report, Investigations in the Laboratories, Guide to the Experimental Farms,* etc.

Rowett Research Institute: Bucksburn, Aberdeen; f. 1914 for research in animal nutrition and allied sciences; Dir. Kenneth L. Blaxter, B.SC.(AGRIC.), N.D.A. (HONS.), PH.D., D.SC., F.R.S.E.; Heads of Depts.: Protein Chemistry, R. L. M. Synge, B.A., PH.D., F.R.I.C., F.R.S.; Lipid Biochemistry, G. A. Garton, PH.D., D.SC.; Microbiological Chemistry, P. N. Hobson, B.SC., PH.D., F.R.I.C., F.R.S.E.; Enzymology, G. A. Levvy, PH.D., D.SC., F.R.I.C.; Pathology, J. J. Bullen, PH.D., M.R.C.V.S.; Physiology, R. N. B. Kay, PH.D.; Applied Nutrition (Vacant); Nutritional Biochemistry, C. F. Mills, M.SC., PH.D., F.R.I.C.; Biometry, A. W. Boyne, B.SC.; Sec. J. Bishop, F.C.I.S.; Duthie Experimental Stock Farm, H. Denerley, B.SC.(AGRIC.); Librarian J. C. R. Yeats, A.L.A.

Scottish Plant Breeding Station: Pentlandfield, Roslin, Midlothian; Dir. J. W. Gregor, PH.D., D.SC., F.R.S.E.; Sec. R. J. L. Gallie, F.C.C.S.

Wellcome Veterinary Research Station: Ely Grange, Frant, Sussex; Head R. M. Arnold, B.SC., M.R.C.V.S.

Welsh Plant Breeding Station (University College of Wales): Plas Gogerddan, nr. Aberystwyth; f. 1919 for the study of the breeding, genetics, physiology, cytology and nutritive value of grasses, clovers, cereals, field beans and *Brassicae* crops; the production of improved varieties; the study of disease resistance, plant ecology, grassland agronomy and the general management and improvement of lowland and hill pastures; Dir. Prof. P. T. Thomas, PH.D.; Sec. J. O. Parry-Williams, M.B.E.; publ. *Annual Report.*

Woburn Experimental Station (Lawes Agricultural Trust): Husborne Crawley, Bedford, Beds.; f. 1876 for the investigation of manurial and other problems of British crops; Dir. F. C. Bawden, M.A., F.R.S.; Officer-in-Charge C. A. Thorold, M.A., A.I.C.T.A., M.I.BIOL.; publ. *Annual Report.*

Economics, Law and Politics

Economic Research Council: 10 Upper Berkeley Street, London, W.1; f. 1943 as a non-profit-making research and educational organisation in the field of economics and monetary practice; Chair. Patrick de Laszlo; Hon. Sec. Edward Holloway; publ. *Commonwealth Digest* (monthly).

National Institute of Economic and Social Research: 2 Dean Trench Street, Smith Square, London, S.W.1; f. 1938; Pres. The Rt. Hon. Lord Franks, G.C.M.G., K.C.B., C.B.E., F.B.A.; Dir. G. D. N. Worswick; Sec. Mrs. Anne K. Jackson; publs. *Economic and Social Studies, Occasional Papers, Annual Report, Economic Review* (quarterly).

Political and Economic Planning—P E P: 12 Upper Belgrave Street, London W.1; f. 1931; a privately financed, non-party research body which studies questions of public interest and presents facts and the conclusions to which they seem to point in an objective and readable way; Chair. of Council Prof. Sir William Holford, A.R.A., F.R.I.B.A., M.T.P.I.; Dir. Richard Bailey; publs. broadsheets (monthly) and large-scale reports.

Royal Institute of International Affairs: Chatham House, 10 St. James's Square, London, S.W.1; f. 1920 to facilitate the scientific study of international questions; mems., all categories, approx. 3,000; Pres. Baroness Asquith of Yarnbury, D.B.E.; Rt. Hon. Earl Attlee, K.G., O.M., C.H.; Rt. Hon. The Earl of Avon, K.G., M.C.; Chair. Lord Strang, G.C.B., G.C.M.G., M.B.E.; Dir. The Rt. Hon. Kenneth Younger; Dir. of Studies Andrew Shonfield; Admin. Dir. Lt.-Col. G. F. Kup, O.B.E.; affiliated Institutes in Canada, Australia, New Zealand, Pakistan, Ceylon, Singapore, Nigeria and Trinidad and Tobago; publs. *Survey of International Affairs* (annually), *British Year Book of International Law* (annually), *International Affairs* (quarterly), *The World Today* (monthly), individual studies, *Memoranda,* and study group reports (irregularly); library: *see* Libraries.

Education

National Foundation for Educational Research in England and Wales: The Mere, Upton Park, Slough, Bucks.; f. 1945; to study methods of teaching and encourage co-operation between schools and other branches of education; Pres. The Minister of Education; Chair.

of Exec. Cttee. Sir FRANCIS HILL, C.B.E., LL.M., LIT.D.; Dir. W. D. WALL, B.A., PH.D.; publ. *Educational Research, Technical Education Abstracts, Current Researches in Educational Psychology.*

HISTORY, GEOGRAPHY AND ARCHAEOLOGY

Natural Environment Research Council: State House, High Holborn, London, W.C.2; f. 1965; the Council will be responsible for supporting and undertaking research in earth sciences and ecology (in particular geology, meteorology, seismology, geomagnetism, hydrology, oceanography, forestry, nature conservation, fisheries, and marine and freshwater biology); in addition to disseminating knowledge in these subjects, it will manage, maintain and establish nature reserves; Chair. Sir GRAHAM SUTTON.

The Council controls the following organisations:

Nature Conservancy: 19 Belgrave Square, London, S.W.1; Cttee. of the Privy Council appointed by Order in Council 1949; to provide scientific advice on the conservation and control of the natural flora and fauna of Great Britain; to establish, maintain and manage nature reserves in Great Britain and especially to maintain features of scientific interest; to organise and develop research services in relation to the conservation of natural flora and fauna and physical features; Chair. Lord HOWICK OF GLENDALE, G.C.M.G., K.C.V.O.; Dir.-Gen. E. M. NICHOLSON, C.B.

Geological Survey and Museum of Practical Geology of Great Britain and Northern Ireland: Exhibition Road, London, S.W.7; f. 1835; forms, with the Geological Museum, a single institution; Dir. C. J. STUBBLEFIELD, D.SC., A.R.C.S., PH.D., F.G.S., D.I.C., F.R.S.; publs. *Geological Maps, Memoirs,* British Regional Geology Handbooks, Museum Catalogues, *Bulletin, Summary of Progress* (annual).

National Institute of Oceanography: Wormley, nr. Godalming, Surrey; practical and theoretical studies directed towards problems in fluid dynamics relating to oceanic circulation and wave motion; the main emphasis of the work is on long-term research needed to improve understanding of the basic physical and biological processes in the sea.

The Hydrology Research Unit.

Scott Polar Research Institute: Lensfield Road, Cambridge; f. 1921; research and information centre on the Polar regions; exhibits; 8,000 vols., 600 periodicals; Dir. Dr. G. DE Q. ROBIN; publ. *Polar Record.*

LANGUAGE AND LITERATURE

Modern Humanities Research Association: f. at Cambridge in 1918 with the object of encouraging advanced studies in modern and medieval languages and literatures; approx. 1,000 mems.; Hon. Treas. Dr. R. A. WISBEY, Downing College, Cambridge; Hon. Sec. Dr. J. C. LAIDLAW, Trinity Hall, Cambridge; publs. *Modern Language Review* (quarterly), *Annual Bibliography of English Language and Literature, The Year's Work in Modern Language Studies, Annual Bulletin.*

Orthological Institute: 10 King's Parade, Cambridge; f. 1927; conducts research on signs, symbols, and the normative science of language.

MEDICINE

The Arthritis and Rheumatism Council for Research: Faraday House, 8–10 Charing Cross Road, London, W.C.2; f. 1936 to organise research into the causes and means of treatment of rheumatism, arthritis, fibrositis, and allied diseases; to encourage teaching, and to stimulate public authorities to provide treatment; Chair. The Rt. Hon. The Viscount KNOLLYS, G.C.M.G., M.B.E., D.F.C.; Pres. Dr. W. S. C. COPEMAN, O.B.E., F.R.C.P.; Hon. Medical Sec. Dr. OSWALD SAVAGE, O.B.E., F.R.C.P.; Gen. Sec. M. C. G. ANDREWS.

Asthma Research Council: 31 Throgmorton Street, London, E.C.2; f. 1927 to promote research into asthma and its allied disorders; Patron H.R.H. The Duke of GLOUCESTER; Pres. Her Grace The Duchess of SUTHERLAND; Chair. F. M. P. MAURICE; Hon. Treas. D. E. FRANKLIN.

Burden Neurological Institute: Stoke Lane, Stapleton, Bristol; f. 1939 to conduct research in neurology and psychiatry; library of 4,000 vols.; Sec. Miss W. GALPIN.

Bureau of Hygiene and Tropical Diseases: Keppel Street, London, W.C.1; f. 1908 as Sleeping Sickness Bureau; Dir. H. J. O'D. BURKE-GAFFNEY, O.B.E., O.ST.J., M.A., M.D.; Asst. Dir. F. I. C. APTED, M.B., B.S., D.T.M.&H. Sec. A. H. PHIPPS, B.COM.; publs. *Bulletin of Hygiene, Tropical Diseases Bulletin* (both monthly).

Central Public Health Laboratory: Colindale Avenue, London, N.W.9; f. 1946; central laboratory of the Public Health Laboratory Service (Headquarters: 24 Park Crescent, London, W.1), providing a bacteriological service for the control of the spread of infectious diseases; 250 staff; library of 10,000 vols.; Administrative Director Dr. S. T. COWAN, M.D., D.SC., DIP.BACT.; Cross-Infection Reference Laboratory Dir. Dr. M. T. PARKER, M.D., DIP.BACT.; Diagnostic Reference Laboratory Dir. Dr. C. E. D. TAYLOR, M.A., M.D., DIP.BACT.; Disinfection Reference Laboratory Dir. Dr. J. C. KELSEY, M.A., M.D., DIP.BACT.; Dysentery Reference Laboratory Dir. Dr. K. P. CARPENTER, M.B., DIP.BACT.; Enteric Reference Laboratory Dir. Dr. E. S. ANDERSON, M.D., DIP.BACT.; Epidemiological Research Laboratory: Dir. Dr. T. M. POLLOCK, M.B., CH.B.; Food Hygiene Laboratory Dir. B. C. HOBBS, D.SC., DIP.BACT.; National Collection of Type Cultures Curator Dr. S. P. LAPAGE, M.B., B.S., DIP.BACT.; Salmonella Reference Laboratory Dir. Dr. JOAN TAYLOR, M.B., B.SC., D.P.H.; Standards Laboratory for Serological Reagents Dir. Dr. C. M. P. BRADSTREET, M.B., DIP.BACT.; Virus Reference Laboratory Dir. Dr. A. D. MACRAE, M.D., DIP.BACT.

Chester Beatty Research Institute of the Institute of Cancer Research: Royal Cancer Hospital, Fulham Road, London, S.W.3; f. 1910; Dir. and Prof. of Experimental Pathology Prof. ALEXANDER HADDOW, M.D., D.SC., PH.D., F.R.S.; Prof. of Chemistry Prof. F. BERGEL, D.PHIL.NAT., D.SC., F.R.S.; Prof. of Biochemistry Prof. E. BOYLAND, D.SC.; Prof. of Physical Chemistry Prof. J. A. V. BUTLER, D.SC., F.R.S.; Prof. of Cytogenetics Prof. P. C. KOLLER, D.SC.

Lister Institute of Preventive Medicine: Chelsea Bridge Road, London, S.W.1; Therapeutic Sera, Virus Vaccines and Bacterial Vaccines Departments, Elstree, Herts.; inc. 1891; Chair. Prof. Sir CHARLES DODDS, M.V.O., M.D., D.SC., F.R.C.P., F.R.S.; Dir. Prof. A. A. MILES, C.B.E., M.A., M.D., F.R.C.P., F.R.S.

Liverpool School of Tropical Medicine: Pembroke Place, Liverpool, 3; f. 1898 and received its Charter of Incorporation 1905; governed by a Council representative of the University of Liverpool and the merchants and shipowners of Liverpool; its objects are to train medical men proceeding to the tropics in tropical medicine and hygiene, to conduct original research into tropical diseases and their control, and to organise and conduct clinical and prophylactic measures against tropical diseases; Dean Prof. B. G. MAEGRAITH, M.A., M.B., B.S., B.SC., D.PHIL., F.R.C.P., F.R.C.P.E.; publ. *Annals of Tropical Medicine and Parasitology.*

Medical Research Council: 20 Park Crescent, London, W.1; inc. 1920; Chair. The Rt. Hon. Viscount AMORY, G.C.M.G.; Sec. Sir HAROLD HIMSWORTH, K.C.B., M.D., F.R.C.P., F.R.S.; Administrative Sec. D. A. SMITH, M.A.,

B.SC.; Principal Medical Officers F. J. C. HERRALD, C.B.E., M.B., F.R.C.P.E., B. S. LUSH, M.D., F.R.C.P.; Principal Administrative Officer J. G. DUNCAN, M.A., LL.B.; Consultant Adviser Sir ROBERT PLATT, Bt., M.D., M.SC., F.R.C.P.

The Council's chief function is the promotion of research on all aspects of health and disease. Their principal support is given to investigations by members of their scientific staff, mostly working in the Council's own research establishments; they also finance other work, for the most part in universities and teaching hospitals, through their schemes of research groups and grants, and provide research fellowships and scholarships for training in methods of research.

The Council's own research activities are mainly undertaken in the following establishments:

National Institute for Medical Research: The Ridgeway, Mill Hill, London, N.W.7; Dir. Sir PETER MEDAWAR, C.B.E., D.SC., F.R.S.; divisions of biochemistry, chemotherapy anf parasitology, organic chemistry, bacterial physiology, physiology and pharmacology, human physiology, experimental biology, bacteriology and virus research, biophysics, immunology, veterinary science, immunological products control, biological standards and engineering.

Unit for Research on Occupational Aspects of Ageing: Dept. of Psychology, The University, Abercromby Square, Liverpool 7; Hon. Dir. Prof. L. S. HEARNSHAW, M.A.

Air Pollution Research Unit: St. Bartholomew's Hospital, Medical College, Charterhouse Square, London, E.C.1; Dir. P. J. LAWTHER, M.B., F.R.C.P.

Atheroma Research Unit: Western Infirmary, Glasgow, W.1.

Unit for the Experimental Investigation of Behaviour: Dept. of Psychology, University College, Gower Street, London, W.C.1; Hon. Dir. Prof. G. C. DREW, M.A.

Biophysics Research Unit: 26/29 Drury Lane, London, W.C.2; Dir. Prof. Sir JOHN RANDALL, D.SC., F.R.S. (part-time).

Blood Coagulation Research Unit: Churchill Hospital, Headington, Oxford; Dir. Prof. R. G. MACFARLANE, C.B.E., M.D., F.R.C.P., F.R.S. (part-time).

Blood Group Reference Laboratory: Gatliffe Road, off Ebury Bridge Road, London, S.W.1; administered by the Council for the Ministry of Health; Dir. K. L. G. GOLDSMITH, M.B., PH.D., M.C.PATH.

Blood Group Research Unit: Lister Institute, Chelsea Bridge Road, London, S.W.1; Dir. R. R. RACE, PH.D., F.R.C.P., F.R.S.

Blood Products Laboratory: The Lister Institute of Preventive Medicine, Elstree, Herts.; Hon. Dir. W. d'A. MAYCOCK, M.B.E., M.D.

Body Temperature Research Unit: Department of the Regius Professor of Medicine, Radcliffe Infirmary, Oxford; Hon. Dir. Prof. Sir GEORGE PICKERING, M.D., F.R.C.P., F.R.S.

Bone-Seeking Isotopes Research Unit: Churchill Hospital, Headington, Oxford; Hon. Dir. Dame JANET VAUGHAN, D.B.E., D.M., F.R.C.P.

Brain Metabolism Research Unit: Dept. of Pharmacology, Edinburgh University Medical School; Hon. Dir Prof. W. L. M. PERRY, O.B.E., M.D., D.SC., F.R.S.E.

Carcinogenic Substances Research Unit: Washington Singer Laboratories, University of Exeter; Hon. Dir. Sir JAMES COOK, D.SC., F.R.I.C., F.R.S.

Cell Metabolism Research Unit: Dept. of Biochemistry, South Parks Road, Oxford; Hon. Dir. Prof. Sir HANS KREBS, M.D., D.SC., F.R.C.P., F.R.S.

Department of Clinical Research: University College Hospital Medical School, London, W.C.1; Dir. E. E. POCHIN, C.B.E., M.D., F.R.C.P.

Common Cold Research Unit: Harvard Hospital, Salisbury, Wilts.; Medical Administrative Officer M. L. BYNOE, M.B., D.T.M. & H., D.OBSTR.R.C.O.G.

Cyclotron Unit: Hammersmith Hospital, Ducane Road, London, W.12; Dir. D. D. VONBERG, B.SC.

Wernher Research Unit on Deafness: King's College Hospital Medical School, Denmark Hill, London, S.E.5; Dir. T. S. LITTLER, PH.D., F.INST.P.

Demylinating Diseases Research Unit: 13 Framlington Place, Newcastle-upon-Tyne; Hon. Dir. E. J. FIELD, M.D., PH.D., M.R.C.P.

Dental Research Unit: Dental School, Lower Maudlin Street, Bristol; Hon. Dir. Prof. A. I. DARLING, D.D.SC., M.R.C.S., F.D.S.R.C.S., F.F.D.R.C.S.

Clinical Endocrinology Research Unit: 2 Forrest Road· Edinburgh; Dir. J. A. LORAINE, M.B., D.SC., F.R.C.P.E'

Unit for the Study of Environmental Factors in Mental and Physical Illness: London School of Economics, Houghton Street, Aldwych, London, W.C.2; Dir. J. W. B. DOUGLAS, B.M., B.SC.

Epidemiological Research Unit, Jamaica: University of the West Indies, Mona, Kingston 7, Jamaica, West Indies; Dir. W. E. MIALL, M.D.

Epidemiological Research Unit, South Wales: 4 Richmond Road, Cardiff; Hon. Dir. Prof. A. L. COCHRANE, M.B.E., M.B., D.P.H.

Department of Experimental Medicine: Tennis Court Road and 5 Shaftesbury Road, Cambridge; Dir. Prof. R. A. MCCANCE, C.B.E., M.D., D.SC., F.R.C.P., F.R.S.

Medical Research Council Laboratories, Gambia: Fajara, near Bathurst, Gambia, W. Africa; Dir. I. A. MCGREGOR, O.B.E., M.R.C.P., D.T.M. & H.

Gastroenterology Research Unit: Central Middlesex Hospital, Park Royal, London, N.W.10; Dir. E. N. ROWLANDS, M.D., B.SC., F.R.C.P.

Cell Genetics Research Unit: Dept. of Genetics, The University, Glasgow, W.1; Hon. Dir. Prof. G. PONTECORVO, PH.D., F.R.S.

Clinical Genetics Research Unit: Institute of Child Health, Hospital for Sick Children, Gt. Ormond Street, London, W.C.1; Dir. C. O. CARTER, B.M., F.R.C.P.

Experimental Genetics Research Unit: Dept. of Genetics, University College, Gower Street, London, W.C.1; Hon. Dir. Prof. H. GRÜNEBERG, M.D., D.SC., F.R.S.

Human Biochemical Genetics Research Unit: Dept. of Biochemistry, King's College, Strand, London, W.C.2; Hon. Dir. Prof. H. HARRIS, M.D.

Microbial Genetics Research Unit: Hammersmith Hospital, Ducane Road, London, W.12; Dir. W. HAYES, M.B., D.SC., F.R.C.P.I., D.P.H., F.R.S..

Population Genetics Research Unit: Old Road, Headington, Oxford; Dir. A. C. STEVENSON, M.D., B.SC., F.R.C.P., D.P.H.

Psychiatric Genetics Research Unit: Institute of Psychiatry, Maudsley Hospital, Denmark Hill, London, S.E.5; Dir. E. T. O. SLATER, M.D., F.R.C.P., D.P.M. (part-time).

Experimental Haematology Research Unit: Wright Fleming Institute of Microbiology, St. Mary's Hospital Medical School, London, W.2; Dir. Prof. P. L. MILLISON, M.D., F.R.C.P. (part-time).

Abnormal Haemoglobin Research Unit: University Dept. of Biochemistry, Tennis Court Road, Cambridge; Hon. Dir. H. LEHMANN, M.D., SC.D.' F.R.C.P., F.R.I.C., F.C.PATH.

Cellular Immunology Research Unit: Sir William Dunn School of Pathology, The University, Oxford; Hon. Dir. Prof. J. L. GOWANS, M.B., D.PHIL., F.R.S.

Industrial Injuries and Burns Research Unit: Birmingham Accident Hospital, Bath Row, Birmingham, 15; Dir. J. P. BULL, M.D., M.R.C.P.

Laboratory Animals Centre: M.R.C. Laboratories, Woodmansterne Road, Carshalton, Surrey; Dir. J. BLEBY, B.VET.MED., M.R.C.V.S.

Infantile Malnutrition Research Unit: Mulago Hospital, Kampala, Uganda; Acting Dir. Prof. R. Z. McCANCE, C.B.E., M.D., F.R.C.P., F.R.S.

Unit for Research on the Chemical Pathology of Mental Disorders: Dept. of Physiology, The Medical School, Birmingham 15; Physician-in-Charge F. A. JENNER, M.B., PH.D., M.R.C.P.

Metabolic Reactions Research Unit: Imperial College of Science and Technology, The Royal College of Science, Imperial Institute Road, London, S.W.7; Hon. Dir. Prof. E. B. CHAIN, D.PHIL., F.R.S.

Microbial Systematics Research Unit: Dept. of Microbiology, The University, Leicester; Dir. P. H. A. SNEATH, M.D., DIP.BACT.

Mineral Metabolism Research Unit: Dept. of Urology, The General Infirmary, Leeds 1; Dir. B. E. C. NORDIN, M.D., PH.D., M.R.C.P.

Laboratory of Molecular Biology: University Postgraduate Medical School, Hills Road, Cambridge; Chair. of Board M. F. PERUTZ, C.B.E., PH.D., F.R.S.

Mutagenesis Research Unit: Institute of Animal Genetics, West Mains Road, Edinburgh 9; Hon. Dir. Miss C. AUERBACH, D.SC., F.R.S.

Neuroendocrinology Research Unit: Dept. of Human Anatomy, South Parks Road, Oxford; Hon. Dir. Prof. G. W. HARRIS, C.B.E., D.M., SC.D., R.F.S.

Neuropharmacology Research Unit: Dept. of Experimental Neuropharmacology, The Medical School, Birmingham 15; Hon. Dir. Prof. P. B. BRADLEY, D.SC.

Neuropsychiatric Research Unit: M.R.C. Laboratories, Woodmansterne Road, Carshalton, Surrey; Dir. D. RICHTER, PH.D., M.R.C.P.

Human Nutrition Research Unit: Nutrition Building, National Institute for Medical Research, The Ridgeway, Mill Hill, London, N.W.7; Dir. Prof. B. S. PLATT, C.M.G., M.B., PH.D.

Dunn Nutritional Laboratory: Milton Road, Cambridge; Dir. E. H. KODICEK, M.D., PH.D.

Wernher Research Unit on Ophthalmological Genetics: Royal College of Surgeons of England, Lincoln's Inn Fields, London, W.C.2; Hon. Dir. Prof. A. SORSBY, M.D., F.R.C.S.

Otological Research Unit: National Hospital for Nervous Diseases, Queen Square, London, W.C.1; Hon. Dir. Sir TERENCE CAWTHORNE, F.R.C.S.

Environmental Physiology Research Unit: London School of Hygiene and Tropical Medicine, Keppel Street, London, W.C.1; Dir. Prof. J. S. WEINER, PH.D., M.R.C.S.

Pneumoconiosis Research Unit: Llandough Hospital, Penarth, Glamorgan; Dir. J. C. GILSON, O.B.E., M.B., F.R.C.P.

Unit for Research on the Epidemiology of Psychiatric Illness: Dept. of Psychological Medicine, University of Edinburgh, 2 George Square, Edinburgh; Hon. Dir. Prof. G. M. CARSTAIRS, M.D., F.R.C.P.E., D.P.M.

Clinical Psychiatry Research Unit: Graylingwell Hospital, Chichester, Sussex; Dir. P. SAINSBURY, M.D., M.R.C.P., D.P.M.

Social Psychiatry Research Unit: Institute of Psychiatry, Maudsley Hospital, Denmark Hill, London, S.E.5; Hon. Dir. Prof. Sir AUBREY LEWIS, M.D., F.R.C.P.

Psycholinguistics Research Unit: Institute of Experimental Psychology, 1 South Parks Road, Oxford; Hon. Dir. Prof. R. C. OLDFIELD, M.A.

Applied Psychology Research Unit: 15 Chaucer Road, Cambridge; Dir. D. E. BROADBENT, SC.D.

Industrial Psychology Research Unit: National Institute of Industrial Psychology, 14 Welbeck Street, London, W.1; Hon. Dir. C. B. FRISBY, PH.D.

Clinical Pulmonary Physiology Research Unit: King's College Hospital, Denmark Hill, London, S.E.5; Dir. P. HUGH-JONES, M.D., F.R.C.P.

Clinical Effects of Radiation Research Unit: Western General Hospital, Crewe Road, Edinburgh; Dir. W. M. COURT BROWN, O.B.E., M.B., B.SC., F.R.C.P.E., F.F.R.

Environmental Radiation Research Unit: Dept. of Medical Physics, The General Infirmary, Leeds 1; Hon. Dir. Prof. F. W. SPIERS, C.B.E., D.SC.

Radiobiological Research Unit: M.R.C., Harwell, Didcot, Berks.; Dir. J. F. LOUTIT, C.B.E., D.M., F.R.C.P., F.R.S.

Radiological Protection Service: (jointly with the Ministry of Health), Clifton Avenue, Belmont, Sutton, Surrey; Dir. W. BINKS, C.B.E., M.SC., F.INST.P.

Experimental Radiopathology Research Unit: Hammersmith Hospital, Ducane Road, London, W.12; Dir. Miss T. ALPER, M.A., M.S.(ED.), F.INST.P.

Reproduction and Growth Research Unit: Princess Mary Maternity Hospital, Newcastle-upon-Tyne; Dir. A. M. THOMSON, M.B., D.P.H.

Rheumatism Research Unit: Canadian Red Cross Memorial Hospital, Taplow, Maidenhead, Berks.; Hon. Dir. Prof. E. G. L. BYWATERS, M.B., F.R.C.P.

Unit for Research on the Experimental Pathology of the Skin: The Medical School, The University, Birmingham 15; Dir. C. N. D. CRUICKSHANK, M.D., M.C.PATH., D.I.H.

Social Medicine Research Unit: London Hospital Research Laboratories, Ashfield Street, London, E.1; Dir. Prof. J. N. MORRIS, D.SC., F.R.C.P., D.P.H., D.C.H.

Medical Sociology Research Unit: Dept. of Sociology, University of Aberdeen; Hon. Dir. Prof. R. ILLSLEY, PH.D.

Statistical Research Unit: University College Hospital Medical School, 115 Gower Street, London, W.C.1; Dir. W. R. S. DOLL, O.B.E., M.D., D.SC., F.R.C.P.

Toxicology Research Unit: M.R.C. Laboratories, Woodmansterne Road, Carshalton, Surrey; Dir. J. M. BARNES, C.B.E., M.B.

Trachoma Research Unit: Lister Institute of Preventive Medicine, Chelsea Bridge Road, London, S.W.1; and M.R.C. Laboratories, Gambia; Hon. Dir. L. H. COLLIER, M.D.

Tropical Metabolism Research Unit: St. Mary's Hospital Medical School, London, W.2 and University of the West Indies, Mona, Kingston 7, Jamaica, West Indies; Dir. Prof. J. C. WATERLOW, M.D., M.R.C.P.

Tuberculosis and Chest Diseases Research Unit: Lynton House, Tavistock Square, London, W.C.1; Dir. W. FOX, M.D., F.R.C.P.

Unit for Research on Drug Sensitivity in Tuberculosis: Postgraduate Medical School of London, Ducane Road, London, W.12; Hon. Dir. D. A. MITCHISON, M.B.

Virus Research Unit: M.R.C. Laboratories, Woodmansterne Road, Carshalton, Surrey; Dir. F. KINGSLEY SANDERS, D.PHIL.

Experimental Virus Research Unit: Institute of Virology, Church Street, Glasgow, W.1; Hon. Dir. Prof. M. G. P. STOKER, M.D., F.R.S.E.

Vision Research Unit: Institute of Ophthalmology, Judd Street, London, W.C.1; Dir. H. J. A. DARTNALL, D.SC., F.R.I.C.

Nuffield Institute of Comparative Medicine: The Zoological Society of London, Regent's Park, London, N.W.1; Dir. L. G. Goodwin, M.B., B.S., B.PHARM., B.SC.

Ross Institute of Tropical Hygiene: Keppel Street, London, W.C.1; f. 1926 as a memorial to the late Sir Ronald Ross; it has since 1934 been a Dept. of the London School of Hygiene and Tropical Medicine; its objects are the teaching of tropical hygiene, the promotion of public health schemes in the tropics, particularly in relation to industry, and research both at home and in the field overseas; Chair. The Lord Twining, G.C.M.G., M.B.E.; Dir. Prof. G. Macdonald, C.M.G., M.D., F.R.C.P., D.P.H., D.T.M.; Organising Sec. L. G. Ponsford, LL.M.

Strangeway Research Laboratory: Wort's Causeway, Cambridge; research into nutrition, endocrinology, cytochemistry, radiobiology, microbiology; Dir. Honor B. Fell, D.B.E., D.SC., PH.D., LL.D., M.A., F.R.S.; publ. *Annual Report*.

Wellcome Laboratories of Tropical Medicine: The Wellcome Building, Euston Road, London, N.W.1; Head O. D. Standen, D.SC., M.SC.

Wellcome Research Laboratories: Langley Court, Beckenham, Kent; Dir. H. W. Mulligan, C.M.G., M.D., D.SC.

Natural Sciences

Science Research Council: State House, High Holborn, London, W.C.1; f. 1965; covers a large field of fundamental science; supports research in engineering and technology in universities. Its charter makes provision for it to carry out research and development through its own establishments; to encourage and support similar research by any other person or body; to provide and operate equipment for common use by universities, technical colleges and like institutions; to make grants for postgraduate studies and to disseminate knowledge of science and technology.

Chairman of Council: Sir Harry Melville, K.C.B., F.R.S.

Secretary: Dr. W. L. Francis, C.B.E.

Director of the University Science and Technology Division and the Human Sciences Division: C. Jolliffe.

Director of the Nuclear Physics Division and the Astronomy, Space and Radio Divisions: J. F. Hosie.

Director of the Establishment, Finance and Organisation Divisions: R. St. J. Walker.

The estimated annual budget is around £28,000,000 and total staff about 2,000.

The Council is responsible for the following research establishments:

Royal Greenwich Observatory: Herstmonceux Castle, Sussex; f. 1675 at Greenwich; Astronomer Royal Sir Richard van der Riet Woolley, M.SC., PH.D., F.R.S.; publs. various reports of observations.

Royal Observatory: Edinburgh, 9; f. 1818; Government observatory which also houses the Dept. of Astronomy of the Edinburgh University; Astronomer Royal for Scotland Prof. H. A. Brück, D.PHIL., PH.D., F.R.S.E.; research and teaching in Astrophysics, Stellar Astronomy, Space Research and Seismology; publs. *Publications, Communications* and papers.

Radio Research Station: Ditton Park, nr. Slough, Bucks.; f. 1928; concerned mainly with fundamental investigations into the propagation of radio waves; space research programme with control of a number of tracking stations; a radio telescope is under construction at Chilbolton, Hants; Dir. J. A. Ratcliffe, C.B.E., F.R.S.

Rutherford High Energy Laboratory: Chilton, nr. Didcot, Berks.; f. 1957, opened 1964; work centres on two proton accelerators: *NIMROD* is of 7,000,000,000 electron volts energy and *P.L.A.* of 50,000,000 electron volts energy; Dir. Dr. T. G. Pickavance, C.B.E.

The Atlas Computer Laboratory: Chilton, nr. Didcot, Berks.; f. 1961; provides service for university research workers, government and government-supported workers; Dir. Dr. J. Howlett.

The Daresbury Nuclear Physics Laboratory: Daresbury, Lancs.; f. 1958; will house a 4 GeV electron synchrotron which is expected to come into service late in 1966; Dir. Prof. A. W. Merrison.

Anti-Locust Research Centre: College House, Wright's Lane, London, W.8; set up in 1945 under the Colonial Office; transferred 1961 to Department of Technical Co-operation, now Ministry of Overseas Development; conducts and fosters research on locusts and grasshoppers and co-ordinates and disseminates information concerning them; promotes technical co-operation in locust research and assists overseas governments and organisations to introduce rational strategies and techniques of control; provides research and training facilities for visiting scientists and students; advises British Government on locust and grasshopper problems; Dir. P. T. Haskell, PH.D.; publs. *Anti-Locust Bulletin* and *Memoirs*.

Cambridge University Observatories: Madingley Road, Cambridge; Observatory f. 1824; Solar Physics Observatory f. 1913; work on solar physics, astrophysics and optics; Dir. Prof. R. O. Redman, F.R.S.

Fulmer Research Institute, Ltd.: Holly Hill, Stoke Poges, Bucks.; f. 1946; the Institute carries out contract research, principally in the fields of metallurgy, physical and inorganic chemistry, solid state physics and engineering for Government and industrial sponsors, both British and Overseas; 110 staff; library of 4,000 vols.; Chair. W. R. Merton.

Macaulay Institute for Soil Research, The: Craigiebuckler, Aberdeen; there are seven main departments: pedology, soil survey, biochemistry, spectrochemistry, plant physiology (including radioactive studies), microbiology and soil fertility; also section on statistics; Dir. A. B. Stewart, C.B.E., M.A., B.SC., PH.D., F.R.I.C., F.R.S.E.

Marine Biological Station (University of Liverpool): Port Erin, Isle of Man; f. 1885; marine zoology, botany and hydrography; public aquarium and fish hatchery; Dir. J. S. Colman, M.A.; publ. *Annual Report*.

Meteorological Office: London Road, Bracknell, Berks.; f. 1855; a state institution; Dir.-Gen. Dr. B. J. Mason, F.R.S.; publs. weather reports, *Geophysical Memoirs, Scientific papers, Meteorological Magazine, Marine Observer, Observatories' Year Book*, etc.

Mullard Radio Astronomy Observatory: Cavendish Laboratory, Cambridge; f. 1956; 50 mems.; Dir. Prof. M. Ryle; publs. numerous scientific papers.

Nuffield Radio Astronomy Laboratories: Jodrell Bank (University of Manchester): Lower Withington, Macclesfield, Cheshire; the station has the largest steerable radio telescope in the world; the parabolic reflecting bowl is 250 ft. wide and can be directed to follow any part of the sky; the weight of the instrument, which rotates in railway tracks, is 2,000 tons; work includes research on the galactic and extra-galactic radio emissions, including measurements of the size of radio sources; radar observations have been made of the earth satellites, the moon and Venus. In the spring and summer of 1960 the telescope was used to control and track the space probe *Pioneer V* out to a distance of more than 20 million miles and in December 1962 the space probe Mariner II was tracked to a distance of 36 million miles; Dir. Prof. Sir Bernard Lovell, O.B.E., F.R.S.

Overseas Geological Surveys: 64-78 Gray's Inn Road, London, W.C.1; branch of the Department of Technical Co-operation; seeks through advisory and specialist services to promote geological mapping and the development of mineral raw materials in dependent and under-developed territories; Mineral Resources Division, Geophysics Division and Photogeological Division; also has facilities for palaeontological examination and age determination by isotope decay; Dir. Dr. S. H. SHAW, C.M.G., O.B.E.; publs. *Overseas Geology and Mineral Resources, Statistical Summary of the Mineral Industry, Annual Report*, monographs.

Royal Botanic Garden: Arboretum Road and Inverleith Row, Edinburgh, 3; The National Botanic Garden of Scotland; f. c. 1660; Regius keeper Dr. H. R. FLETCHER; Herbarium of c. 2,000,000 specimens; library of c. 30,000 vols. and 25,000 pamphlets; 3-year course leading to diploma or certificate in horticulture; publs. *Notes from the Royal Botanic Gardens, Edinburgh, Monthly Notes*.

Royal Botanic Gardens: Kew, Richmond, Surrey; f. 1759 by Princess Augusta of Saxe-Gotha, Dowager Princess of Wales; became a National Botanic Garden 1841; Dir. Sir GEORGE TAYLOR, D.SC.; publs. *Kew Bulletin, Index Kewensis, Hooker's Icones Plantarum, J. C. Willis, Dictionary of the flowering plants and ferns*, Lists of Plants cultivated in the Royal Botanic Gardens, Kew; library: *see* Libraries.

Scottish Marine Biological Association: Marine Station, Millport, Isle of Cumbrae, Scotland; also Oceanographic Laboratory in Edinburgh; f. 1897 for research and education in marine biology; 133 mems.; Dir. and Sec. Dr. C. H. MORTIMER, F.R.S.; publs. *Annual Report*, Bulletins of marine ecology.

United Kingdom Atomic Energy Authority: 11 Charles II Street, London, S.W.1; f. 1954 to take over responsibility for research and development in atomic energy; Chairman Sir WILLIAM PENNEY, K.B.E., O.B.E., F.R.S., M.A., PH.D., D.SC.; Dep. Chairman Sir ALAN HITCHMAN, K.C.B., C.B.; mems.: Air Chief Marshal Sir DENIS BARNETT, G.C.B., C.B.E., D.F.C., Dr. J. M. HILL, J. C. C. STEWART, Dr. F. A. VICK, O.B.E., B.SC., PH.D., A.M.I.E.E., F.INST.P.; part-time mems.: Sir JOHN COCKCROFT, O.M., K.C.B., KT., C.B.E., F.R.S., M.A., PH.D., M.SC.(TECH.), Prof. A. H. COTTRELL, F.R.S., Lord GEDDES OF EPSOM, Kt., C.B.E., R. M. GEDDES, O.B.E., C. F. KEARTON, O.B.E., F.R.S., J. C. DUCKWORTH, S. J. PEARS, F.C.A.; Sec. D. E. H. PEIRSON, C.B.E.

Research Group under Dr. R. SPENCE, C.B., F.R.S. (Dir.), Atomic Energy Research Establishment, Harwell, nr. Didcot, Berks.

Reactor Group under R. V. MOORE, G.C., C.B.E., B.SC.(ENG.), M.I.MECH.E., M.I.E.E. (Man. Dir.), Risley, nr. Warrington, Lancs.

Production Group under T. TUOHY, Risley, nr. Warrington, Lancs.

Weapons Group under E. F. NEWLEY, C.B.E. (Dir.), Atomic Weapons Research Establishment, Aldermaston, nr. Reading, Berks.

Engineering Group under H. V. DISNEY, C.B.E. (Man. Dir.), Risley, nr. Warrington, Lancs.

Health and Safety Branch under Dr. A. S. McLEAN (Dir.) at London Office.

University Observatory: Dept. of Astrophysics, Oxford; teaching and research in astronomy and astrophysics, with particular reference to solar physics; Dir. D. E. BLACKWELL.

University of Liverpool Tidal Institute and Observatory: The Observatory, Birkenhead, Cheshire; Observatory f. 1845, Tidal Institute 1919, amalgamated 1929, university department 1960; study of tides in all aspects, geophysical studies, especially storm surges, earth tilts and mean sea level; Dir. J. R. ROSSITER, D.SC.

University of London Observatory: Mill Hill Park, London, N.W.7; f. 1929; teaching and research in astronomy; Dir. Prof. C. W. ALLEN, D.SC.

Wildfowl Trust: Slimbridge, Glos.; f. 1946; concerned with all aspects of the biology of the Anatidae, particularly those related to conservation; the world's largest comparative collection of living wildfowl is maintained; Hon. Dir. PETER SCOTT, C.B.E., D.S.C., LL.D.; Curator S. T. JOHNSTONE; Dir. Research G. V. T. MATTHEWS, M.A., PH.D.; publs. *Annual Report* and Bulletins

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

Institute for the Study and Treatment of Delinquency: 8 Bourdon Street, Davies Street, London, W.1; f. 1931 to initiate and promote scientific research into the causes and prevention of crime; founder of the Portman Clinic, an out-patient clinic for diagnosis and treatment of delinquents, with an advisory service to courts, 1,000 mems.; Pres. Lord CHORLEY, M.A., J.P., Q.C.; Chair. of Council and Scientific Cttee. Dr. E. GLOVER, LL.D., M.D.; Gen. Sec. Miss E. SAVILLE; publs. *British Journal of Criminology* (quarterly), *Annual Report*, monographs and pamphlets.

Tavistock Institute of Human Relations: 3 Devonshire Street, London, W.1; the Institute studies human relations in conditions of well-being, conflict or breakdown, in the family, the work group and the larger organisation, and studies and research in psychological medicine form an important part of its activities; Sec. S. G. GRAY, F.C.C.I., F.C.C.S.

TECHNOLOGY

Ministry of Technology Research Establishments: Ministry of Technology, Millbank Tower, Millbank, London, S.W.1.

The Ministry of Technology has the general responsibility of guiding and stimulating advancement in research and technical development in industry.

The Ministry has ten research establishments transferred from the Department of Scientific and Industrial Research (now dissolved) and operates an industrial liaison force, based mainly on the Colleges of Technology, in co-operation with the Department of Education and Science. It gives financial support to fifty industrial research associations, and is the sponsoring department for the industries concerned with machine tools, electronics, telecommunications and computers.

The Ministry of Technology is also responsible for the United Kingdom Atomic Energy Authority and for the National Research and Development Corporation.

The Research Establishments controlled directly by the Ministry are listed below:

Building Research Station: Garston, near Watford, Herts.; est. 1921; Dir. F. M. LEA, C.B., C.B.E., D.SC., F.R.I.C., HON.A.R.I.B.A.; publs. *National Building Studies* (comprising bulletins special reports, research papers), annual reports, and *B.R.S. Digests* and *Building Science Abstracts* (monthly), *Factory Building Studies, Tropical Building Studies*.

Fire Research Station: Boreham Wood, Elstree, Herts.; Dir. D. I. LAWSON, M.SC., F.INST.P., M.I.E.E.; joint research organisation of D.S.I.R. and the Fire Offices Committee; publs. *Annual Report, Special Reports, Technical Papers* and *Fire Notes*.

Forest Products Research Laboratory: Princes Risborough, Aylesbury, Bucks.; est. 1925 for research on all aspects of timber; Dir. J. BRYAN, M.ENG., A.M.I.C.E.; publs. *Annual Report*, special reports, bulletins, records, leaflets.

Hydraulics Research Station: Wallingford, Berks.; Dir. R. C. H. RUSSELL, M.A., A.M.I.MECH.E., A.M.I.C.E.; publs. *Annual Report, Research Papers, Special Reports.*

Laboratory of the Government Chemist: Cornwall House, Stamford Street, London, S.E.1; Government Chemist D. T. LEWIS, C.B., D.SC., PH.D., F.R.I.C., publ. *Annual Report.*

National Engineering Laboratory: East Kilbride, Glasgow; Dir. D. G. SOPWITH, C.B.E., B.SC., M.SC., WH.SCH., D.SC., M.I.MECH.E.; publ. *Annual Report.*

National Physical Laboratory: Teddington, Middlesex; f. 1900; Acting Dir. J. V. DUNWORTH, C.B.E., M.A., PH.D., M.I.E.E., F.INST.P.; includes the Ship Hydrodynamics Laboratory at Feltham, Middx.; Supt. A. SILVERLEAF, B.SC., M.R.I.N.A.; and Chemical Standards Division at Teddington, Middx.; Supt. E. F. G. HERRINGTON, D.SC.; publs. *Annual Report, Notes on Applied Science, Proceedings of Symposia.*

Torry Research Station: Aberdeen; Dir. J. A. LOVERN, O.B.E., PH.D., D.SC., F.R.I.C., F.R.S.E.; publs. *Annual Report, Leaflets, Special Reports* and *Technical Papers.*

Warren Spring Laboratory: Stevenage, Herts.; f. 1958; research on atmospheric pollution, synthesis of oils and chemicals from coal, and mineral processing; library of 10,000 vols.; Dir. C. C. HALL, PH.D., F.R.I.C., F.INST.P.; publs. *Annual Report*, technical papers, reports on investigations of atmospheric pollution.

Water Pollution Research Laboratory: Elder Way, London Road, Stevenage, Herts.; f. 1927; Dir. B. A. SOUTHGATE, C.B.E., D.SC., B.A., PH.D., F.R.I.C., DIP.AGRIC., F.INST.S.P., P.A.INST.W.E., F.R.I.C.; publs. *Annual Reports*, technical papers, *Water Pollution Abstracts* (monthly), *Notes on Water Pollution* (quarterly).

The Aeronautical Research Council: National Physical Laboratory, Teddington, Middx.; Chair. Prof. A. R. COLLAR, C.B.E., M.A., D.SC., F.R.AE.S., F.A.I.A.A., F.C.A.S.I., F.R.S.

British Coal Utilisation Research Association: Randalls Road, Leatherhead, Surrey; f. 1938 to promote research and other scientific work in connection with the utilisation of coal and its derivatives; is under the aegis of the D.S.I.R.; 116 mems.; Pres. Sir HUMPHREY BROWN, C.B.E.; Dir.-Gen. D. HICKS; Dir. of Intelligence and Publications I. G. C. DRYDEN; Dir. of Basic Research Laboratories Dr. L. C. F. BLACKMAN; Dir. of Industrial and Domestic Development Laboratories J. S. HALES, O.B.E.; Company Sec. P. T. SUTTON.

British Glass Industry Research Association: Northumberland Road, Sheffield 10; f. 1955; Chair. A. W. CLARK, O.B.E.

British National Committee on Space Research: c/o The Royal Society, Burlington House, London, W.1; f. 1959 to co-ordinate British research and to co-operate with the (international) Committee on Space Research (COSPAR); Chair. Prof. Sir HARRIE MASSEY.

British Ship Research Association: Prince Consort House, 27/29 Albert Embankment, London, S.E.1; f. 1944; Chair. of Council Sir EUSTACE SMITH, C.B.E.; Dir. of Research Dr. R. HURST, G.M.; Admin. Dir. and Sec. J. C. ASHER, B.SC.(ECON.); also controls the Wallsend Research Station, Newcastle upon Tyne.

Coal Utilisation Council: 19 Rochester Row, London, S.W.1; f. 1932 to promote the wider and more efficient use of coal and other solid fuels for domestic purposes; Pres. F. WILKINSON; Vice-Pres. Sir JOHN CHARRINGTON; Dir. Sir CAMPBELL HARDY, K.C.B.

National Institute of Agricultural Engineering: Wrest Park, Silsoe, Beds.; Dir. C. J. MOSS, B.SC., M.I.MECH.E.

Road Research Laboratory: Harmondsworth, West Drayton, Middlesex; estab. 1933; from 1965 controlled by the Ministry of Transport; research on road materials and construction, road traffic and safety; 30,000 books and pamphlets and 500 journals in library; Dir. Sir WILLIAM GLANVILLE, C.B., C.B.E., D.SC., PH.D., M.I.C.E., F.R.S.; publs. *Annual Reports, Text Books, Road Abstracts* (monthly), *Technical Papers* and *Road Notes.*

Safety in Mines Research Establishment: Central Laboratories at Red Hill, off Broad Lane, Sheffield 3 and Harpur Hill, Buxton; f. 1910; research on all aspects of safety in mines and on chemical and physical aspects of pneumoconiosis of mineworkers; 30,000 books and pamphlets and 400 journals in library; Dir. HENRY THOMAS RAMSAY, C.B.E., M.SC., M.I.MIN.E., F.INST.P.; publs. *Annual Reports, Research Reports, SMRE Abstracts* (monthly), technical papers.

Tropical Products Institute: 56–62 Gray's Inn Road, London, W.C.1; controlled by the Ministry of Overseas Development; research and development work on the production and utilisation of the plant, animal and other renewable resources of the tropics; scientific and economic advisory service for less developed territories; Dir. E. S. HISCOCKS, C.B.E., M.SC., F.R.I.C.; publ. *Tropical Science, T.P.I. Reports, Annual Report.*

LIBRARIES

LONDON

Aslib Library: 3 Belgrave Square, London, S.W.1; contains about 6,000 volumes on documentation, special libraries and related subjects; together with much of the world's current periodical literature, and several thousand references to individual articles, reports, etc., on library and information matters; Librarian Miss PAMELA ROBINSON.

Associates of the late Rev. Dr. Bray: S.P.C.K., Holy Trinity Church, Marylebone Road, London, N.W.1; f. 1730; an association founded by Dr. Bray, who was the founder of the Society for Promoting Christian Knowledge (1698) and of the Society for the Propagation of the Gospel in Foreign Parts (1701), with the object of providing theological libraries for the Clergy in Great Britain as well as in the Colonial and Missionary Dioceses of the Anglican Communion; over 150 libraries in Great Britain and more than 250 overseas have been founded or aided by the Association; Pres. The Archbishop of CANTERBURY; Chair. Rev. D. C. RUTTER.

Board of Trade Library: 1 Victoria Street, S.W.1; contains over 250,000 items, mainly current material on the social sciences, with emphasis on trade, economics and foreign economic affairs; receives over 7,000 current serials; provides information for the staff of the Board; available to outside users by appointment only; Librarian K. A. MALLABER, F.L.A.

Board of Trade Statistics and Market Intelligence Library: Hillgate House, 35 Old Bailey, E.C.4; receives over 3,000 current serials and attempts to acquire complete coverage on trade and production statistics (with supporting economic statis-

tics) for the United Kingdom, Commonwealth, and foreign countries, U.N. and other international bodies; also a collection of trade directories of overseas countries, and a collection of trade catalogues of overseas manufacturers; open to the public for reference.

British and Foreign Bible Society's Library: 146 Queen Victoria Street, E.C.4; f. 1804; largest collection of printed Bibles (over 22,400 in 1,233 languages); Librarian Rev. W. J. Bradnock, M.A.

British Broadcasting Corporation Reference Library: Broadcasting House, Portland Place, W.1; f. 1927; Librarian Robert L. Collison; publ. *British Broadcasting: a bibliography.*

British Drama League Library: 9-10 Fitzroy Square, W.1; f. 1925; 150,000 volumes and several hundred MSS.; special collections include (a) William Archer Collection (books, programmes), (b) Granville Barker Collection (prompt copies, *c.* 19 plays), (c) Nigel Playfair Collection (prompt copies, *c.* 18 plays) (d) Nugent Monck Collection (prompt copies, privately printed plays, etc.); Librarian Mary Garnham, F.L.A.

British Institute of Recorded Sound: 38 Russell Square, W.C.1; f. 1955; national archive of sound recordings; contains *c.* 110,000 discs and tape recordings of music, drama and literature, language and dialect, speeches and events, zoological sounds, etc.; Chair. Sir Adrian Boult; Sec. Patrick Saul.

British Library of Political and Economic Science: London School of Economics, Houghton Street, Aldwych, W.C.2; f. 1896; contains over 465,000 bound volumes and numerous other items covering economics, political science, law (especially international and foreign), sociology, history, geography, etc., legislative and administrative reports, important deposits of official documents, and special collections, including manuscripts; Librarian G. Woledge, B.A.; publs. *Notes for Readers, A London Bibliography of the Social Sciences, Classified Catalogue of a Collection of Works on Publishing and Bookselling in the British Library of Political and Economic Science.*

British Medical Association Library: Tavistock Square, W.C.1; f. 1887; 77,000 vols., 1,600 periodicals; large collection of Paris and Lyons theses; Librarian F. M. Sutherland, M.A., F.L.A.

British Museum Library and Reading Rooms: Great Russell Street, Bloomsbury, W.C.1; f. 1753; National Library; contains over 6,000,000 printed books, about 60,000 Western and 30,000 Oriental MSS., 100,000 charters and rolls, 18,000 detached seals and casts of seals, 3,000 Greek and Latin papyri, and a fine collection of Egyptian papyri; newspapers are kept in a special department at Colindale, London, N.W.9; Public Reading Rooms for research, admission by ticket; Dir. and Principal Librarian Sir Frank Francis, K.C.B.; Principal Keeper of Printed Books R. A. Wilson, C.B.; Keepers: MSS., T. C. Skeat; Oriental Printed Books and MSS., K. B. Gardner.

British Museum (Natural History) Library: Cromwell Road, S.W.7; 300,000 vols. on biology and general natural history, zoology (incl. entomology), palaeontology, botany, mineralogy and anthropology; Librarian M. J. Rowlands, F.L.A.

Canning House Library: The Hispanic Council and the Luso-Brazilian Council, Canning House, 2 Belgrave Square, S.W.1; f. 1943; Librarian G. H. Green, B.A.; publs. *Canning House Library Bulletin, British Bulletin of Publications on Latin America, the West Indies, Portugal and Spain*: catalogue, bibliography (both six-monthly).

Central Music Library: *see* City of Westminster Public Libraries.

Chemical Society Library: Burlington House, Piccadilly, W.1; f. 1841; over 52,000 volumes and 12,000 pamphlets; is a fine collection of works on chemistry and cognate subjects; special collection of books on alchemy and early chemistry; Nathan collection of books on explosives and firearms; Librarian R. G. Griffin, F.L.A.

Church House Library: Dean's Yard, Westminster, S.W.1; f. 1888; specialist reference library dealing with Church affairs, largely in connection with the Church Assembly and the Convocations.

Church Missionary Society Library: 6 Salisbury Square, E.C.4; f. 1799; approx. 60,000 volumes; religion, social sciences, history, language, description and travel; special collections include James Long Bequest (books on Islam and Buddhism) and General Lake's collection of Puritan literature; Librarian Miss J. M. Woods; Archivist Miss R. A. Keen.

City of Westminster Public Libraries: 4-6 Charing Cross Road, London, W.C.2; f. 1900, although the Gt. Smith Street branch was opened in 1857 and was the first public library in London; City Librarian K. C. Harrison, M.B.E., F.L.A.; the libraries are as follows:

Buckingham Palace Road: S.W.1; 104,000 vols.; Central Music Library 60,000 items; 100,000 archives.

South Audley Street: W.1; 32,000 vols.

Gt. Smith Street: S.W.1; 63,000 vols.

Central Lending Library: 4 Charing Cross Road, W.C.2; 62,000 vols.; Gramophone Record Library of 16,000 pieces.

Central Reference Library: St. Martin's Street, W.C.2; 300,000 vols. covering the humanities, pure sciences, commerce and technology; British and foreign directories; over 1,000 current periodicals; Pavlova Memorial Library; 16,000 maps; microfilm and microcard readers.

College of Arms: Queen Victoria Street, E.C.4; *ca.* 30,000 vols.; genealogical and heraldic collections; Registrar J. R. B. Walker, M.V.O., M.C., Lancaster Herald; Librarian M. R. Trappes-Lomax, F.S.A., Somerset Herald.

Colonial Office Library: Sanctuary Buildings, Gt. Smith Street, S.W.1; **Commonwealth Relations Office Library:** Downing Street, S.W.1; **Ministry of Overseas Development Library:** Eland House, Stag Place, S.W.1; these libraries are run as a joint library at the addresses given above; Librarian B. Cheeseman, O.B.E., A.L.A.; Deputy Librarian C. D. Overton, F.L.A.

Congregational Library: Memorial Hall, Farringdon Street, E.C.4; f. 1830; contains about 30,000 volumes, mainly relating to the history and activities of the Nonconformists, and collection of hymnology.

Custom House Library: King's Beam House, E.C.3; f. 1671; contains about 25,000 volumes, together with many MSS. records of H.M. Customs and Excise headquarters and outports, including much valuable historical material; representative transcripts, lists, etc., of outport records; also private museum; Librarian and Keeper Rupert C. Jarvis, F.S.A., F.R.HIST.S.

Dr. Williams's Library: 14 Gordon Square, W.C.1; opened 1729; contains about 110,000 volumes, a lending library of theological, philosophical and historical works; Librarian Rev. R. Thomas, M.A.; publs. *Catalogue of Accessions 1900–1950, 1951–1960, Bulletin of Accessions* (annual), *Lectures of Friends of Dr. Williams's Library* (annual), *Occasional papers.*

Food Library: Great Westminster House, Horseferry Road, S.W.1; approx. 30,000 vols., 620 current periodicals; Librarian Miss B. P. Moore, A.L.A.

Foreign Office Library: Cornwall House, Stamford Street, S.E.1; f. 1784; contains over 60,000 volumes, largely historical, political and on international law; Librarian and Keeper of the Papers R. W. Mason, C.M.G.; Head of Printed Library Miss E. C. Blayney, A.L.A.

Friends' Library: Friends' House, Euston Road, N.W.1; f. 1673; the official library of the Society of Friends (Quakers) in Great Britain and the repository of its archives; contains about 14,000 volumes, 20,000 pamphlets, and 4,000 volumes of MSS., as well as prints; Librarian Edward H. Milligan.

Geological Museum Library: Exhibition Road, S.W.7; f. 1837; 70,000 volumes; Curator A. J. Butler, O.B.E., M.SC., F.Z.S., F.M.A.

Geological Society Library: Burlington House, Piccadilly, W.1; f. 1809; contains about 90,000 volumes; Librarian Mrs. J. L. Green.

Gladstone Library: National Liberal Club, Whitehall Place, S.W.1; f. 1888; contains about 40,000 books and about 40,000 pamphlets; Librarian G. E. Awdry, F.L.A.

Gray's Inn Library (Holker Library): South Square, Gray's Inn, W.C.1; f. *ca.* 1522; volumes of books on law; special collections: Baconiana, ecclesiastical MSS. 12th-14th centuries; for the use of mems. of Gray's Inn only; the library was completely destroyed by enemy action in May 1941; reopened 1958; about 29,000 vols.; Librarian B. M. Cocks; Asst. Librarians A. J. Vockins, Mrs. C. Twinberrow.

Guildhall Library (Library of the Corporation of London); King Street, E.C.2; f. about 1425; contains 130,000 printed books, etc., 33,000 MSS., and 25,000 prints; general reference library, particularly rich in books on all aspects of London history; the MSS. collection consists mainly of City parochial records and records of the City Livery Companies; commercial reference room of British and foreign directories, trade papers, etc.; Librarian A. H. Hall, F.L.A., F.S.A.

Guy's Hospital Medical School: The Wills Library: St. Thomas's Street, S.E.1; f. 1903; 30,000 volumes; Librarian William Hill.

Hirsch Music Library: British Museum, Great Russell Street, W.C.1; purchased for the nation in 1946; a unique collection of musical treatises and theoretical works prior to 1800, full operatic scores and complete and first editions of the classics with an extensive collection of musical literature from the nineteenth and twentieth centuries; Superintendent of the Music Room A. Hyatt King.

House of Commons Library: Westminster, S.W.1; f. 1818; contains about 100,000 volumes, including Parliamentary Records; the reference library files contain more than 1,300 periodicals and newspapers; the research division issues bibliographies and memoranda on subjects of current interest to members; Librarian Strathearn Gordon.

House of Lords Library: Old Palace Yard, Westminster, S.W.1; f. 1826; contains about 75,000 volumes, legal and Parliamentary, history and general literature; Librarian C. S. A. Dobson.

Imperial War Museum Library: Lambeth Road, S.E.1; f. 1917; contains publications and MSS. relating to all aspects of the World Wars of 1914-18 and 1939-45 and other operations in which the Forces of the British Commonwealth have been engaged since 1914; 80,000 vols., 3,500,000 photographs; Dir. Dr. A. N. Frankland, D.F.C.; Keeper of Pictures W. Philip Mayes, F.S.A., F.M.A.; Keeper of Exhibits W. Y. Carman, F.S.A., F.R.HIST.S.; Keeper of Dept. of Records Dr. C. H. Roads; Librarian Miss R. E. B. Coombs.

India Office Library (Commonwealth Relations Office): King Charles Street, S.W.1; f. 1801; contains about 260,000 European and Oriental printed books, 30,000 MSS., 500 Western drawings relating principally to India and the East and 2,000 Indian and Persian miniature paintings; Librarian S. C. Sutton, C.B.E.; publs. *Annual Report, Guide* and catalogues of the collections.

Inner London Education Authority Library: County Hall, Westminster Bridge, S.E.1; f. 1909; contains about 250,000 vols.; Librarian H. R. Mainwood, A.L.A.

Inner Temple Library: Temple, London, E.C.4; f. about 1500; about 100,000 vols.; mostly legal and historical: Contains in addition to English, Foreign, and International Law, an extensive collection of law relating to the British Commonwealth and special collections on Biography, Topography, History, (Ecclesiastical and Political) and Heraldry. Collection of Petyt MSS. available to the public (on special application) for historical research; Librarian E. A. P. Hart.

Inns of Court Bar Library, Probate Library and Supreme Court Library: Royal Courts of Justice, Strand, W.C.2; f. 1883; contains 100,000 volumes; Chief Librarian C. L. Fisher; Asst. Librarian J. S. Regan, Curator of Pictures R. A. Riches, O.B.E.

Institution of Electrical Engineers' Library: Savoy Place, W.C.2; f. 1871; the main collection contains over 10,000 books, 11,000 bound volumes of periodicals, reports, etc., and several thousand pamphlets; over 600 periodicals are received. The library includes two famous collections of historical electrical works—the collection of Sir Francis Ronalds (held in trust), consisting of 6,000 volumes and pamphlets and the library of Silvanus P. Thompson, comprising 4,500 volumes and 8,000 pamphlets; there is also a valuable collection of Faraday MSS. and a small collection comprising the library and notebooks of Oliver Heaviside; Sec. G. F. Gainsborough, B.SC., PH.D., M.I.E.E.

Iron and Steel Institute and Institute of Metals Joint Library: 4 Grosvenor Gardens, S.W.1; f. 1938; 30,000 volumes; Joint Librarian M. L. Pearl.

King's College Library: Strand, W.C.2; f. 1829; contains *c.* 250,000 volumes; Librarian Kenneth Garside, M.A.

Lambeth Palace Library: Lambeth, S.E.1; f. 1610; contains about 100,000 printed items and 1,800 volumes of MSS. dating back to the 9th century, also a considerable number of archives (about 100,000 documents); Librarian and Archivist E. G. W. Bill, M.A.; Deputy Librarian Rosemary Burdett, M.A.; Deputy Archivist Jane Sayers, M.A., B.LITT.

Law Society Library: Chancery Lane, W.C.2; f. 1828; 79,575 volumes, mostly English law books, reports and statutes; Librarian S. E. Champion.

Library Association Library: 7 Ridgmount Street, W.C.1; f. 1877; approx. 30,000 vols., 600 current periodicals, plus large collections of library reports, bulletins, plans, etc., and 7,000 photographs and illustrations; Librarian L. J. Taylor, B.A., A.L.A.

Lincoln's Inn Library: Holborn, W.C.2; in existence 1475; with 95,000 volumes and 1,000 volumes of MSS., including the Hale Collection, is the largest and oldest law library in London; Librarian C. W. Ringrose.

Linnean Society Library: Burlington House, Piccadilly, W.1; f. 1788; contains about 85,000 volumes on natural history, including Linneaus's own library and a collection of manuscripts and portraits; Librarian Miss S. J. Raphael, B.A. (N.Z.), DIP. LIB. (LONDON).

The London Hospital Medical College Library: Turner Street, London, E.1; f. early 19th century; 12,500 vols.; Librarian J. P. Entract, A.L.A., DIP.HIST.

London Library: 14 St. James's Square, S.W.1; f. 1841; over 600,000 volumes covering a wide range of subjects and languages; subscription circulating and reference library; under Royal Charter; membership 4,750 including 1,000 life mems.; Sec. and Librarian STANLEY GILLAM, B.LITT., M.A.

London Oratory Library: Brompton Road, South Kensington, S.W.7; f. 1854; contains 40,000 volumes and 3,000 pamphlets; the finest library of Catholic literature in London.

Marx Memorial Library: Marx House, 37A Clerkenwell Green, E.C.1; f. 1933; approx. 12,000 volumes; 25,000 pamphlets, files of Labour, Socialist and Communist periodicals; Pres. Prof. J. D. BERNAL, F.R.S.; Chair. ANDREW ROTHSTEIN, M.A.; Librarian J. WILLIAMSON.

Meteorological Office Library: London Road, Bracknell, Berks.; f. 1870; approx. 91,000 volumes and 26,000 pamphlets; the national library for meteorology, climatology and certain other branches of geophysics (e.g. geomagnetism) with which the Meteorological Office is concerned; includes comprehensive records of data published by British and foreign institutions; Librarian B. C. LACK, B.SC.

Middle Temple Library: Middle Temple Lane, Temple, E.C.4; f. 1641; contains about 90,000 volumes of works on law and history including Commonwealth and U.S. Laws and Reports; Librarian D. V. A. SANKEY.

Middlesex Hospital Medical School Library: London, W.1; f. 1835; medical and surgical books; 11,000 vols.; 200 current periodicals; Librarian Miss J. HICKLING, F.L.A.; publ. *Index to Collected Papers of the M.H.M.S.* (annual).

Ministry of Agriculture, Fisheries and Food Library: 3 Whitehall Place, S.W.1; f. 1889; 140,000 vols., some 2,000 current periodicals and serials; includes Cowan and Cotton Libraries (books and periodicals on apiculture) and Punnett collection (poultry science); Librarian F. C. HIRST, F.L.A.; publs. *Agriculture* (monthly), *National Agricultural Advisory Service Quarterly Review*, *Plant Pathology* (quarterly), *Current Agricultural Literature*, *Experimental Horticulture*, *Experimental Husbandry* (irregular), *Bulletins* and *Leaflets*.

Ministry of Education Library: Curzon Street, W.1; f. 1896 (had its origin in an exhibition of English and foreign books and educational apparatus in London in 1854); contains over 100,000 volumes; the largest section consists of books and official publications dealing with the organisation and administration of education in all parts of the world; there is also a representative collection of books on theory of education, methods of teaching, psychology, educational buildings and equipment; a list of recent accessions is issued monthly; Librarian PHYLLIS M. DOWNIE, M.A., F.L.A.

Ministry of Health Library: Alexander Fleming House, Elephant and Castle, London, S.E.1; contains over 90,000 vols. and pamphlets and 700 current periodicals on public health, health services, medicine, hospitals and social welfare; Librarian A. E. FOUNTAIN, B.A., F.L.A.

Ministry of Housing and Local Government Library: Whitehall, S.W.1; provides information for the staff of the Ministry on housing, local government, new towns, town and country planning, urban renewal, water supply and sewerage; 90,000 vols. and pamphlets, 600 current periodicals; Librarian W. PEARSON, M.B.E., B.SC.(ECON.), A.L.A.

National Central Library: Malet Place, W.C.1; f. 1916 as the Central Library for Students; lends books to readers in all parts of the British Isles on application received through the reader's local, university or special library; the Library, which contains *c.* 320,000 vols. and has access to over 20,000,000 books in other libraries, is the national centre for inter-library lending and information about books and for inter-library lending between Britain and foreign countries; it also includes a British National Book Centre for the redistribution of redundant books from other collections; Librarian S. P. L. FILON, B.SC., F.L.A.

National Film Archive: 81 Dean Street, London, W.1; f. 1935; preserves for posterity, and makes available for study, cinematograph films of artistic and historic value; Curator ERNEST LINDGREN, O.B.E.

National Library for the Blind: 35 Great Smith Street, Westminster, S.W.1; f. 1882; contains 300,000 volumes (200,000 London, 100,000 Manchester), including music, in Braille and Moon types; Northern Branch: 5 St. John Street, Manchester; Chair. The Marquis of NORMANBY, M.B.E.; Librarian and Dir.-Gen. W. A. MUNFORD, M.B.E., B.SC. (ECON.), F.L.A.

Naval Library: Ministry of Defence, Empress State Building, Lillie Road, S.W.6; f. 1810; 220,000 volumes; contains works mainly on naval subjects; Librarian Lt.-Comdr. P. K. KEMP, R.N.

Patent Office Library: 25 Southampton Buildings, Chancery Lane, W.C.2; f. 1855; a national, public, open-access reference library for the physical sciences, technology and engineering; 100,000 textbooks and pamphlets, 200,000 vols. of periodicals and ancillary literature from all over the world; weekly addition lists appear in *Official Journal* (*Patents*) and current periodical titles in *Periodical Publications in the Patent Office Library*; Librarian Miss M. F. WEBB.

Public Record Office: Chancery Lane, W.C.2; national archives of the United Kingdom; over 50 million documents; Keeper of Public Records STEPHEN SHIPLEY WILSON, C.B.

Royal Academy of Arts Library: Burlington House, W.1; f. 1768; over 20,000 volumes on the fine arts and standard reference books; also original drawings and engravings; open to members and students; Librarian SIDNEY C. HUTCHISON, F.S.A., F.M.A., F.R.S.A.

Royal Academy of Music Library: Marylebone Road, N.W.1; f. 1823; 60,000 volumes and 2,500 sets of orchestral parts; special collections include Sir Henry Wood Library, Angelina Goetz Library, and G. D Cunningham Library of Organ Music; Librarian W. H. STOCK.

√ **Royal Asiatic Society Library:** 56 Queen Anne Street, W.1; f. 1823; contains about 78,000 volumes, dealing with the East, and 1,500 Oriental MSS.; Librarian Miss D. CRAWFORD; publ. *Journal of the Royal Asiatic Society* (twice a year).

Royal Astronomical Society Library: Burlington House, W.1; f. 1820; approx. 25,000 volumes; Librarian Mrs. B. HARRINGTON, A.L.A.

Royal Botanic Gardens Library: Kew, Richmond, Surrey; f. 1853; contains approx. 80,000 volumes, including periodicals, and approx. 120,000 pamphlets and reprints; Librarian R. G. C. DESMOND, F.L.A.

Royal College of Music Library: Prince Consort Road, South Kensington, S.W.7; f. 1883; contains 26,000 volumes of printed music, MSS, and books on music; Librarian BARBARA D. BANNER, B.MUS., A.R.C.M.

Royal College of Physicians' Library: 11 St. Andrew's Place, Regent's Park, London, N.W.1; f. 1518; confined to the history of medicine, with a bias towards medical biography, but rich in 16th- and 17th-century books covering the whole field of learning, also a small collection of books on medical education; contains 40,000 books (incl. over 100 incunabula), 600 manuscripts (Western and Oriental), 5,000 autograph letters and 5,000 engraved portraits; Harveian Librarian CHARLES NEWMAN, M.D., F.R.C.P.; Librarian L. M.

PAYNE, F.L.A.; publs. *Catalogue of Engraved Portraits* (1952), *Lives of the Fellows, 1826-1925* (Munk's *Roll*, Vol. 4) (1955), *William Harvey, 1578-1657* (1957), *Royal College of Physicians of London, Portraits* (1964), *The Anatomical Lectures of William Harvey* (1964).

Royal College of Surgeons of England Library: Lincoln's Inn Fields, W.C.2; f. 1800; medical and surgical books and 650 current periodicals; 130,000 volumes; Librarian W. R. LE FANU, M.A., F.S.A.; publs. *History of the College* (1959), *Catalogue of Portraits* (1960), *English Books before 1701* (1963).

Royal College of Veterinary Surgeons' Wellcome Library: 32 Belgrave Square, London, S.W.1; open to all qualified veterinary surgeons; Librarian Miss B. HORDER, B.A., A.L.A.

Royal Commonwealth Society Library: Northumberland Avenue, W.C.2; f. 1868; contains 350,000 volumes and pamphlets relating to the countries of the Commonwealth; Librarian D. H. SIMPSON, F.L.A.

Royal Geographical Society Library: Kensington Gore, S.W.7; f. 1830; contains 100,000 volumes on geography; and an unrivalled collection of maps in the map-room; Librarian and Map Curator, G. R. CRONE; publ. *The Geographical Journal* (quarterly).

Royal Institute of British Architects' Library: 66 Portland Place, W.1; f. 1834; with approx. 70,000 volumes, and an important collection of drawings and prints, is one of the most complete architectural libraries; Librarian J. C. PALMES, M.A.; publ. *R.I.B.A. Library Bulletin* (since Nov. 1946) (quarterly).

Royal Institute of International Affairs Library, The: 10 St. James's Square, London, S.W.1; f. 1920; over 110,000 volumes; approx. 550 current periodicals; Librarian Miss DOROTHY HAMERTON.

Press Library: over 15,000 box files of classified cuttings from the international press dating from 1916; Press Librarian Miss E. CAMPBELL.

Royal Institution of Great Britain Library: 21 Albemarle Street, W.1; 55,000 vols. on all branches of science; 400 periodicals currently received; MSS. of Davy, Faraday, Tyndall and other scientists who have worked at the Institution; Librarian K. D. C. VERNON, F.L.A.

Royal Meteorological Society Library: 49 Cromwell Road, South Kensington, S.W.7; f. 1850; contains about 30,000 volumes and pamphlets of meteorological literature; Hon. Librarian G. A. BULL, B.SC.

Royal Society Library: Burlington House, W.1; approx. 145,000 volumes; Librarian I. KAYE.

Royal Society of Medicine Library: 1 Wimpole Street, W.1; f. 1805; important medical library, comprising approx. 400,000 volumes, 2,100 current periodicals; extended, 1953, by benefaction from the Wellcome Trust; Librarian P. WADE, B.A., F.L.A.

Royal United Service Institution Library: Whitehall, S.W.1; f. in 1831 for the promotion and advancement of the science and literature of the three Services; about 45,000 volumes; Home, Dominion and Foreign Service periodicals; Librarian Brig. J. STEPHENSON.

St. Bartholomew's Hospital Medical College Library: West Smithfield, E.C.1; f. 1800; 30,000 volumes; Librarian J. L. THORNTON.

St. Bride Printing Library: Bride Lane, Fleet Street, E.C.4; f. 1895; devoted to works on printing and the allied crafts; contains about 30,000 volumes; Librarian J. M. MOSLEY.

St. Paul's Cathedral Library: E.C.4; f. 1707; containing old works on theology and Greek and Latin classics, also some interesting MSS.; upwards of 13,500 volumes and 11,500 pamphlets; Librarian, Archivist and Keeper of the Muniments A. R. B. FULLER, M.A.

School of Oriental and African Studies Library: University of London, W.C.1; f. 1916; over 230,000 volumes and pamphlets and 1,600 MSS. dealing with Oriental and African languages, literatures, philosophy, religions, history, law, cultural anthropology, art and archæology, social sciences; Librarian J. D. PEARSON, M.A.

Science Library: South Kensington, S.W.7; a national library of pure and applied science, with about 383,000 volumes, including 18,400 periodicals, of which some 4,600 titles are current; photocopying service; Keeper J. A. CHALDECOTT, M.SC., A.INST.P.

Sion College Library: Victoria Embankment, E.C.4; f. 1630; contains about 100,000 volumes, including some valuable MSS., mostly theological; Hon. Librarian Rev. W. M. ATKINS, M.A., F.S.A.; Librarian Miss M. E. EDMONDSTON, B.A., F.L.A.

Sir John Soane's House and Museum Library: 13 Lincoln's Inn Fields, W.C.2; f. 1837; contains Sir John Soane's collection of some 8,000 vols. on art, antiques, architecture, classical and general literature; Curator and Librarian Sir JOHN SUMMERSON, C.B.E., F.B.A., A.R.I.B.A.

Societies for the Promotion of Hellenic and Roman Studies Library: 31–34 Gordon Square, London, W.C.1; f. 1879; contains about 35,000 volumes on classical archæology, history, and literature; classified collection of about 25,000 lantern slides; Librarian Miss J. E. SOUTHAN, B.A.

Society of Antiquaries Library: Burlington House, Piccadilly, W.1; f. 1707; contains about 100,000 printed books and a number of MSS., chiefly on archaeological subjects; Asst. Sec. T. D. TREMLETT, M.A.; Librarian P. R. T. WRIGHT, B.A.

Tropical Products Institute Library, Ministry of Overseas Development: 56–62 Gray's Inn Road, W.C.1; contains approx. 150,000 publications relating to tropical agriculture, forestry, and the production and utilisation of raw materials in the tropical areas; Librarian H. E. THRUPP, A.L.A.

United Nations Information Centre Library: 14 Stratford Place, W.1; contains all United Nations documents, and selection of publications from the specialised agencies; Librarian Miss M. MCAFEE.

University College Hospital Medical School Library: University Street, W.C.1; f. 1907; 21,000 volumes; Librarian A. T. PICTON, B.A., A.L.A.

University College Library: Gower Street, W.C.1; f. 1828; contains some 760,000 volumes and pamphlets, and includes several special collections of great value, e.g. manuscripts of Jeremy Bentham, papers of Sir Edwin Chadwick, C. H. Barlow Dante collection augmented by libraries of Sir John Rotton and Mr. H. St. John Brooks, J. T. Graves mathematical library, Whitley Stokes Celtic library, C. K. Ogden library including correspondence of Lord Brougham, and scripts and letters of George Orwell; houses Mocatta library of Anglo-Judaica, and libraries of British Society of Franciscan Studies, Folk-Lore Society, Geologists' Association, Hertfordshire Natural History Society, Huguenot Society, London Mathematical Society, Malacalogical Society, Philological Society, Viking Society for Northern Research; Librarian J. W. SCOTT, B.A., A.L.A.

University of London Library: Senate House, W.C.1; f. 1838; primarily for members of the University; contains about 800,000 volumes for reference and loan, including several special collections, *e.g.*, the Goldsmiths' Library of Economic Literature, the De Morgan Library of early mathematical and astronomical books, the Grote Library of Greek and Latin classics, the Quick Memorial Library of old educational

books and the history of education, the Durning-Lawrence Library of Elizabethan-Jacobean Literature, particularly strong in Shakespeare and Sir Francis Bacon, the Harry Price Library of Magical Literature, the Sterling Library of early editions, mainly of English Literature; Carlton Shorthand Library, Bromhead Library of Books on London, etc.; Librarian J. H. P. PAFFORD, M.A., D.LIT., F.S.A., F.L.A.

Victoria and Albert Museum, Library of the: South Kensington, S.W.7; f. 1837; contains over 300,000 volumes; is the national collection of works on the fine and applied arts; the Dyce and Forster libraries number about 32,000 vols., mostly English literature, history and drama, and the Clements Collection of British Armorial Bookbindings; Keeper JOHN P. HARTHAN.

War Office Library: Whitehall, S.W.1; f. 1804; contains over 150,000 volumes on military science and art and related subjects, history, topography, cartography, and surveying; Librarian A. S. WHITE, I.S.O., F.R.HIST.S.

Wellcome Historical Medical Library: 183 Euston Road, N.W.1; contains a large collection of MSS., over 600 incunabula, and over 200,000 printed books, 5,000 western MSS. from 11th century onwards, 5,000 oriental MSS., orientalia, autograph letters, pamphlets; Chief Librarian F. N. L. POYNTER, B.A., PH.D., F.R.S.L., F.L.A.

Westminster Chapter Library: Westminster Abbey, S.W.1; f. 1623–26; contains about 14,000 volumes, including liturgies, Bibles, books on canon law and works of the Fathers of the Church; famous for remarkable collection of Abbey Records and other documents, etc.; Librarian and Keeper of the Muniments LAWRENCE E. TANNER, C.V.O., M.A., F.S.A.

Wiener Library: 4 Devonshire Street, W.1; f. in Amsterdam in 1934 by Dr. Alfred Wiener, moved to London 1939; about 60,000 vols. and newspapers, magazines, press cuttings, photos and other documents on Nazism, Fascism, anti-Semitism, racialism, refugee and minority problems, Jewish history, Israel and the Middle East; new emphasis on contemporary European history and intergroup and race relations; Dir. WALTER LAQUEUR; Librarian Mrs. ISLE R. WOLF; publs. *The Wiener Library Bulletin*, *The Wiener Library Catalogue Series*.

Zoological Society Library: Regent's Park, N.W.1; f. 1835; contains about 100,000 volumes of works and periodicals connected with zoology; Librarian G. B. STRATTON, M.B.E., A.L.S.

PROVINCES

Each town and county has its Public Library, but these are mentioned individually only in exceptional cases.

Prince Consort's Library: Knollys Road, Aldershot, Hants.; f. 1860; military library and Army Class II library; 34,000 volumes; Librarian Lt.-Col. (Retd.) L. H. YATES, O.B.E.

Birmingham Reference Library: Ratcliff Place, Birmingham 1; f. 1860; 760,000 volumes including over 100 incunabula; special collections: Local History and Archives, 86,000 printed items covering every phase of Birmingham life (including Baskerville and Priestley Collections) and over 90,000 deeds and MSS., including Boulton and Watt correspondence and drawings concerning the famous Soho engineering firm; Shakespeare, 38,000 books and pamphlets in 83 languages; King's Norton Parish Library, 600 volumes presented by Thomas Hall to his parishioners, 1660; Sheldon Rector's Library, bequeathed by Thomas Bray in 1730, acquired 1961; Parker Collection of children's books; Samuel Johnson, 2,000 volumes; Sir Benjamin Stone Collection, 22,000 photographs; 27 lending libraries, 8 temporary branches; photocopying apparatus, including microfilm camera and reader; Commercial and Patents Library of 11,000 books, directories, annuals, etc.; British Patents from 1617, U.S. Patents 50-year file; Technical Library, 55,000 volumes, including standard specifications; Atomic Energy and United Nations depository library; Illustrations Collection; City Librarian W. A. TAYLOR, M.C., F.L.A.

Birmingham University Library: The University, Edgbaston, Birmingham 15; f. 1900; 650,000 vols.; 5,000 current periodicals; papers of Joseph Chamberlain, Sir Austen Chamberlain, John Galsworthy, etc.

Selly Oak Colleges Library: Birmingham 29; f. 1921; philosophy, sociology, anthropology, religion and missions; 50,000 volumes, 3,000 Arabic and Syriac MSS.; Librarian Mrs. J. M. LEONARD, B.A., A.L.A.

Bradford Public Libraries: Darley Street, Bradford; 440,841 vols.; special local and textile collections; Librarian H. BILTON, F.L.A.

Bristol Public Libraries: Central Library, College Green, Bristol 1; f. 1613; 669,627 vols.; City Librarian W. S. HAUGH, B.A., F.L.A.

University of Bristol Library: Bristol 8; f. 1923; 275,000 vols.; Librarian J. SHUM COX, M.A.

Cambridge University Library: Cambridge; contains about 2,000,000 printed books, over 12,000 MSS. and 350,000 maps which have been accumulating since the beginning of the 15th century; Librarian H. R. CRESWICK M.A.

Pepysian Library: Magdalene College, Cambridge; collection bequeathed by Samuel Pepys; Librarian R. W. LADBOROUGH.

Trinity College Library: Cambridge; many MSS. and early printed books; Capell collection of Shakespeareana; 135,000 vols.; Librarian C. R. DODWELL, PH.D.

Canterbury Cathedral Chapter Library: Canterbury; f. probably about 597; in continuous existence since 11th century; contains about 30,000 printed books, Administrative MSS. of the Dean and Chapter and archives of local ecclesiastical courts; Canon-Librarian Canon F. J. SHIRLEY, PH.D., D.D., F.S.A.; Keeper of the MSS. WILLIAM URRY, PH.D., F.S.A., F.R.HIST.S.

Coventry Public Library: Cow Lane, Coventry; 316,630 vols.; special collections of books on the motor industry, cycle industry and aircraft; Librarian E. SIMPSON.

Durham University Library: Palace Green, Durham; f. 1831; 230,000 vols.; includes Bishop Cosin's Library, f. 1688; 6,000 volumes (divinity and general); the library includes 187 books printed before 1500, First Folio Shakespeare, patristic, liturgical, and oriental works, old bindings, medieval MSS.; Librarian DAVID RAMAGE, M.A., F.L.A.; publ. *Durham Philobiblon* (occasional).

Exeter Cathedral Library: Exeter; f. 11th century when Bishop Leofric gave 66 manuscript volumes to the Cathedral Church; over 20,000 vols. including *Exeter Book of Old English Poetry* and *Exon Domesday*; administered by the University of Exeter; Librarian L. J. LLOYD, M.A.

Exeter University Library (Roborough Library): Prince of Wales Road, Exeter; f. 1937; Librarian L. J. LLOYD, M.A., F.S.A., F.R.S.L.

Hull City Libraries: Albion Street, Hull, Yorkshire; 578,000 vols.; special collections on local history, whaling, Winifred Holtby, Andrew Marvell, Wilberforce, Slavery and Napoleon; Librarian R. F. DREWERY, D.P.A., F.L.A.

University of Hull Library: Cottingham Road, Hull; f. 1928; 170,000 vols.; Librarian P. A. LARKIN.

University of Keele Library: Keele; f. 1949; 200,000 vols.; Librarian S. O. STEWART, M.A.

Leeds Public Libraries: Leeds, Yorkshire; 720,204 vols.; numerous special collections; finely printed botanical books; patents, atomic energy reports, H.M.S.O. publications, Unesco documents, archives and maps; Librarian GODFREY THOMPSON.

Leeds University Library: Leeds; about 755,704 vols. including the Brotherton Collection which contains 45,901 vols. and pamphlets and a large number of MSS., deeds and letters; Librarian B. S. PAGE, M.A., F.L.A.

Leicester University Library: Leicester; f. 1921; special collections of local history of England and Wales, Transport History and French memoirs.

Dean Savage Reference Library: The Close, Lichfield, Staffs.; f. 1924; 8,000 vols., mostly theology, archæology and kindred subjects; Librarian Rev. C. E. DAVIS.

Liverpool Public Libraries: Brown, Picton and Hornby Libraries, Wiliam Brown Street, Liverpool 3, Lancs.; f. 1852; 1,910,000 vols., pamphlets, MSS., etc.; Reference Library; Record Office and Local History Dept. (permanent exhibition "Liverpool from 1207"); Map Rooms; Print Gallery; Exhibitions; Telex; Headquarters of LADSIRLAC (Liverpool and District Scientific, Industrial and Research Library Advisory Council); 34 separate establishments incl. Branch Libraries, Mobile Library, Central Junior Library, Central Lending Library, Stack Rooms; Librarian G. CHANDLER, M.A., PH.D., F.L.A. F.R.HIST.S.

Kent County Library: Springfield, Maidstone, Kent; f. 1921; 1,002,000 vols.; Librarian Miss F. R. E. DAVIES, M.A., F.L.A.

Manchester Public Libraries: Central Library, St. Peter's Square, Manchester 2; f. 1852; includes reference, commercial, technical, arts, music, language and literature, local history, American, Jewish and central lending libraries; library theatre with resident company; 25 district libraries, with 4 mobile libraries in old people's homes, hospitals and prisons; total number of vols. 1,290,883; City Librarian D. I. COLLEY, M.A., F.L.A.; publ. *Manchester Review*.

Manchester Public Libraries: Central Library, St. Peter's Square, Manchester 2; f. 1852; includes lending library (34 branches, inc. 2 mobile) of 678,918 vols., foreign library of 15,747 vols. and libraries in old people's homes, hospitals and prisons; also reference, commercial, technical and special libraries; prints, maps, plans, microfilm (including *Manchester Guardian 1821–1952*; *Manchester Mercury 1752–1830*); library theatre and resident company; City Librarian D. I. COLLEY, F.L.A.

Manchester University Library: Manchester, Lancashire; over 700,000 vols.; special collections include the Medical Society and Radford Library, Christie Collection (calssical Renaissance), Freeman Collection (history), Bullock Collection (Italian) and a History of Science Collection; Librarian Dr. MOSES TYSON.

Chetham's Library: Hunt's Bank, Manchester 3, Lancs.; f. 1653 as a free public reference library; *ca.* 70,000 vols. including many 17th and 18th century works; Librarian Miss HILDA LOFTHOUSE, M.A., F.L.A.

John Rylands Library: Deansgate, Manchester, Lancs.; f. 1899; reference and research library, contains 17,000 European and Oriental MSS. (including the collection of The Earl of Crawford and Balcarres) and some 250,000 deeds and charters; 500,000 printed books, including block-books, over 3,000 incunabula and other examples of early printing and bibliographical rarities from the Althorp Library of Earl Spencer; English tracts, 17th and 18th centuries, Mazarinades, French Revolution tracts, journals and broadsides; rare bindings and association copies; Chair. Prof. Sir WILLIAM MANSFIELD COOPER, LL.M.; Librarian RONALD HALL, B.A.; publ. *Bulletin of the John Rylands Library* (half-yearly).

National Lending Library for Science and Technology: Walton, Boston Spa, Yorks.; f. 1961; administered by the Department of Education and Science; the books and periodicals are lent only to institutions and other libraries; large collection of Russian publications and translations; 500,000 vols., 22,000 current periodicals; Dir. D. J. URQUHART, PH.D.; publ. *NLL Translations Bulletin* (monthly).

Newcastle University Library: Newcastle upon Tyne; 300,000 vols.; special collections include the Heslop Collection of English dictionaries, Gertrude Bell Oriental Collection, Special Medical (historical) Collection, etc.; Librarian Dr. W. S. MITCHELL.

Newcastle upon Tyne City Libraries: New Bridge Street; Thomas Bewick Collection (wood engravings), Thomlinson Library (theological), local collections, music, commercial and technical libraries; 550,035 vols.; City Librarian W. TYNEMOUTH, F.L.A.

Norwich Cathedral Dean and Chapter Library: Norwich, Norfolk; a medieval monastic (Benedictine) foundation; over 8,000 vols., some incunabula and MSS.; Librarian Canon GILBERT THURLOW.

Nottingham Public Library: South Sherwood Street, Nottingham; 450,686 vols.; special collection of German literature, local history collection including works on Robin Hood, D. H. Lawrence and Byron; Librarian D. E. GERARD, B.A., F.L.A.

Bodleian Library: the library of Oxford University; f. 1602; contains about 2,250,000 vols. and includes the Radcliffe Camera and three dependent libraries; the Radcliffe Science Library, the Indian Institute Library and Rhodes House Library (for the history of the British Commonwealth and of the United States); receives a copy of every book published in the U.K.; Librarian (Vacant); publ. *The Bodleian Library Record* (two or three times a year).

Indian Institute Library: Broad Street, Oxford; 60,000 vols.; Government Reports; Supt. H. J. STOOKE, M.A.

Peterborough Cathedral Library: Peterborough, Northants.; contains *ca.* 8,000 vols., some important medieval MSS. and many early printed books; Librarian Canon J. L. CARTWRIGHT.

Lancashire County Library: County Hall, Preston; 1,800,000 vols.; Librarian Miss F. E. COOK, M.A., F.L.A., F.R.S.A.

Reading University Library: Reading, Berks.; approx. 270,000 vols.; Librarian D. T. RICHNELL, B.A., F.L.A.

Ripon Cathedral Library: Ripon, Yorks.; f. 1608; mainly old books including a rare Caxton and many incunabula; some important 15th–16th century printed books, early MSS. Service Books, 13th–15th-century MSS., Books of Hours, 13th-century Bible, a collector's library of Anthony Higgins, f. 1570, preserved almost intact, etc.; Librarian Canon D. M. M. BARTLETT.

Salisbury Cathedral Library: The Cathedral, Salisbury, Wilts.; f. 11th cent.; 9,000 vols., nearly 200 medieval MSS. and a contemporary copy of Magna Carta; Librarian Dr. ELSIE SMITH.

The Shakespeare Centre: Stratford-upon-Avon, Warwicks.; f. 1964; *ca.* 40,000 vols., comprising the collections of the Shakespeare Birthplace Trust and the Royal Shakespeare Theatre Library; Dir. and Librarian Dr. LEVI FOX, O.B.E., M.A., F.S.A., F.R.HIST.S., F.R.S.L.

Sheffield City Libraries: Central Library, Surrey Street, Sheffield 1, Yorks.; f. 1856; 867,536 vols.; 18 br. libraries, 2 mobile libraries, 250 school libraries; special

collections include South Yorkshire and North Derbyshire archives, including Wentworth Woodhouse Muniments (with Edmund Burke's correspondence); Arundel Castle MSS.; Fairbank map collection; atomic energy reports; City Librarian and Information Officer J. BEBBINGTON, F.L.A.

Sheffield University Library: Sheffield, Yorkshire; 302,000 books and pamphlets; special collection includes Sir Charles Firth's collection of 17th-century tracts; Librarian J. E. TOLSON, M.A.

Southampton University Library: Highfield, Southampton; 162,000 vols.; Librarian B. M. BLAND.

Royal Shakespeare Theatre Library: Stratford on Avon; f. 1880; 12,000 vols., 5,000 pamphlets; Shakespeareana and special collections of Elizabethan and Jacobean drama; Librarian LEVI FOX, M.A.

York Minster Library: Dean's Park, York; f. 7th/8th century, refounded *c.* 1410; 30,000 vols., 80 incunables, 80 MSS. and music MSS.; special collections include Civil War Tracts and Yorkshire local history (10,000 vols.); Librarian Canon R. CANT.

WALES

Aberystwyth, University College of Wales Library: Aberystwyth, Cards.; f. 1871; about 178,600 vols. and pamphlets; Librarian A. AP GWYNN, M.A.

Cardiff Public Libraries: Central Library, Cardiff, Glam.; f. 1862; 675,000 volumes; Central Library; Reference Dept., including patents, maps, prints, periodicals, Societies' libraries; Research Dept., including MSS., deeds, documents, incunabula, large Welsh and other special reference collections; Commercial Dept., Lending Dept., and music collections; Headquarters of Glamorgan and Monmouth Regional Libraries Bureau; 17 br. libraries; City Librarian J. E. THOMAS, F.L.A.

Library of the National Museum of Wales: Cathays Park, Cardiff, Glam.; 68,000 vols.; Librarian ELIZABETH H. EDWARDS, F.L.A.

National Library of Wales: Aberystwyth, Cards.; f. 1907; one of the six copyright libraries of the British Isles; contains nearly 2,000,000 printed books, 30,000 MSS., over 3,500,000 deeds and documents and 120,000 maps, prints and drawings, including the finest existing Welsh collection; Librarian EVAN DAVID JONES; publs. *The National Library of Wales Journal* (twice yearly), *Bibliotheca Celtica* (annually).

St. Deiniol's Residential Library: Hawarden, Chester; f. 1895 by W. E. Gladstone; 70,000 volumes; accommodation for 30 men and women students in Divinity, History, Philosophy, Classics, English and European Literature; Warden Rev. J. S. LAWTON, M.A., B.D., D.PHIL. (OXON.), M.A. (CANTAB.).

SCOTLAND

Aberdeen University Library: Aberdeen; 380,000 vols.; McBean Jacobite Collection, Day-Masson Collection of Celtic literature; Librarian Dr. W. D. SIMPSON.

Edinburgh Public Library: Central Public Library, George IV Bridge, Edinburgh, and 13 branches; f. 1890; 925,000 vols. and pamphlets; important reference library and special libraries of fine art, music, Edinburgh and Scottish history, topography, etc.; City Librarian and Curator C. S. MINTO, F.L.A.

Edinburgh University Library: Edinburgh; over 750,000 vols.; Drummond (of Hawthornden) Collection; Laing charters and MSS.; Halliwell-Phillipps Collection; Librarian E. R. S. FIFOOT, M.C., M.A., A.L.A.

Glasgow Public Libraries: Glasgow; includes The Mitchell Library; f. 1874 (*see* below); Commercial Library, the Library of Patents and 35 district libraries; 1,700,000 vols.; special collections of books for the blind and foreign literature and local history; Librarian C. W. BLACK, M.A., F.L.A.; publs. *Annual Report*, catalogues and book lists.

Mitchell Library: North Street, Glasgow, C.3; f. 1874; contains 800,000 vols., and has special collections on Glasgow (20,000 vols.), music (35,000 vols.), Robert Burns (3,500 vols.), and Scottish poetry (9,000 vols.); Librarian C. W. BLACK, M.A., F.L.A. The Library receives a copy of every publication issued by H.M.S.O., and is also a Depository Library for the unrestricted publications of the United Nations, and the unclassified publications of the Atomic Energy Authorities of U.S.A., U.K., Canada, France, and Norway.

Glasgow University Library and Hunterian Museum: Glasgow; 550,000 vols., Hunterian Books and MSS., Euing Collections of the Bible and music, Hamilton Collection of philosophy, Ferguson Collection of the history of chemistry, Stirling Maxwell Collection of Emblem books; Librarian R. O. MACKENNA.

National Library of Scotland: George IV Bridge, Edinburgh, formerly known as the Advocates' Library; f. 1682; contains over 2,000,000 vols. and pamphlets and a large collection of MSS.; under Copyright legislation may claim any book, etc., published in the United Kingdom and Ireland; Chair. of the Trustees Rt. Hon. The EARL OF CRAWFORD AND BALCARRES, K.T., G.B.E., D.C.L.; Librarian W. BEATTIE, C.B.E., M.A., LL.D.; Keeper of MSS. W. PARK, M.A.; Keeper of Printed Books D. M. LLOYD, M.A.

Royal College of Physicians and Surgeons of Glasgow Library: 242 St. Vincent Street, Glasgow, C.2; f. 1599; 150,000 vols.; Librarian Miss H. M. HOPE, M.A.

Royal College of Physicians of Edinburgh Library: Edinburgh, 2; f. 1681; *c.* 200,000 vols.; open to all medically qualified persons; almost exclusively medical, with emphasis on clinical medicine; particularly rich in the early sources of medical knowledge and its periodical collection; over 1,000 vols. of MSS.; Librarian G. R. PENDRILL, M.A., DIP.LIB., F.L.A.

Royal Society of Edinburgh Library: 22–24 George Street, Edinburgh, 2; f. 1783; 150,000 vols.; David Hume MSS.; Librarian W. H. RUTHERFORD, F.C.C.S.

St. Andrews University Library: St. Andrews, Fife; *c.* 500,000 vols., MSS., maps and numerous special collections; Librarian D. MACARTHUR.

Scottish Central Library: Lawnmarket, Edinburgh; f. 1921 to maintain a stock of scarce and expensive books to supplement the reserves of Scottish public libraries, and to act as the headquarters for Scottish inter-library co-operation; photographic dept. for copying; *c.* 30,000 vols.; houses Scottish Union Catalogue recording locations for 500,000 works; Librarian M. C. POTTINGER, D.S.C., F.L.A.

Signet Library: Parliament Square, Edinburgh; date of foundation *ca.* 1722, but there were Writers to H.M. Signet as early as 1460; *ca.* 100,000 volumes; in the Library of the Society of Writers to Her Majesty's Signet are special collections of Scottish literature, genealogies, legal literature, including that of the British Commonwealth; Keeper of the Signet His Grace the Duke of BUCCLEUCH, K.T., G.C.V.O., P.C., LL.D.; Deputy Keeper Sir HUGH WATSON, LL.D.; Librarian JAMES A. CHRISTIE.

University Library: Dundee; f. 1883; 138,000 vols., illuminated MSS. and incunabula; Librarian J. R. BARKER, M.A.

MUSEUMS AND ART GALLERIES

ENGLAND

LONDON

British Museum: Great Russell Street, W.C.1; f. 1753 in pursuance of the will of Sir Hans Sloane, and with the addition of the Cottonian and Harleian Libraries; opened 1759; present buildings begun 1823. Natural History Depts., S. Kensington (*see* below). Collections and exhibitions of prehistoric, ancient, medieval, oriental, ethnographical and other arts; books, manuscripts, prints, drawings, ceramics, coins and stamps. Includes the national library which contains over 6,000,000 printed books and manuscripts, and receives, under the provisions of the Copyright Act, a copy of every book, etc., published in the British Isles. Public Reading Rooms for research, admission by ticket on application to the Museum Director. Newspapers are in a special library at Colindale, London, N.W.9. Many catalogues and reproductions are published. Chair. of Board of Trustees Lord RADCLIFFE; Dir. Sir FRANK FRANCIS, K.C.B.; Sec. B. P. C. BRIDGEWATER; Principal Keeper of Printed Books R. A. WILSON, C.B.; Manuscripts T. C. SKEAT; Oriental Printed Books and Manuscripts K. B. GARDNER; Prints and Drawings E. F. CROFT-MURRAY; Egyptian Antiquities I. E. S. EDWARDS; Western Asiatic Antiquities R. D. BARNETT; Greek and Roman Antiquities DENYS HAYNES; British and Medieval Antiquities R. L. S. BRUCE-MITFORD; Oriental Antiquities B. GRAY, C.B.E.; Ethnography A. DIGBY, C.B.E.; Coins and Medals G. K. JENKINS; Research Laboratory A. E. WERNER.

British Museum (Natural History): Cromwell Road, South Kensington, S.W.7; originates from the Natural History Departments of the British Museum, Bloomsbury, transferred to the present address 1881–85, and a branch comprising the Zoological Museum at Tring, Herts.; in 1963 the Natural History Museum became a separate institution with its own body of trustees; Dir. Sir TERENCE MORRISON-SCOTT, D.S.C., D.SC., F.L.S., F.M.A.; Sec. A. P. COLEMAN; Keeper of Zoology J. P. HARDING, M.A., PH.D.; Deputy Keepers of Zoology J. D. MACDONALD, B.SC., R. H. HEDLEY; Keeper of Entomology J. P. DONCASTER, M.A.; Deputy Keepers of Entomology J. F. PERKINS, AGR.D., B.SC., P. FREEMAN, D.SC., A.R.C.S.; Keeper of Palæontology E. I. WHITE, C.B.E., D.SC., F.R.S.; Deputy Keepers of Palæontology H. D. THOMAS, M.A., PH.D., K. P. OAKLEY, D.SC., F.B.A., F.S.A. (Sub-dept. of Anthropology); Keeper of Minerals G. F. CLARINGBULL, B.SC., PH.D., F.G.S.; Deputy Keeper of Minerals A. A. MOSS, PH.D.; Keeper of Botany J. E. DANDY, M.A.; Deputy Keeper of Botany R. ROSS, M.A.; library: *see* Libraries.

British Railways Board Museums: *See under* Museum of British Transport (London), and *under* Railway Museum (York).

Carlyle's House: 24 Cheyne Row, Chelsea, S.W.3: National Trust property containing a museum of Carlyle relics.

Courtauld Institute Galleries: Woburn Square, London, W.C.1; comprises the Lee collection of Old Masters, the Samuel Courtauld collection of French Impressionist and Post-Impressionist paintings, the Roger Fry collection and the Sir Robert Witt collection of drawings; Dir. Sir ANTHONY BLUNT, K.C.V.O., F.B.A.

Dulwich College Picture Gallery: College Road, Dulwich, S.E.21; built 1814 by Sir John Soane to house the collection of 371 pictures bequeathed by the artist Sir Francis Bourgeois; pictures of the Flemish and Dutch Schools, also fine examples of Murillo, N. Poussin and Watteau; Hon. Surveyor Sir GERALD KELLY, K.C.V.O., P.P.R.A.; Clerk to the Govs. D. G. BANWELL, B.A.

Geffrye Museum: Kingsland Road, E.2; contains a small but excellent collection of furniture and domestic objects arranged in a series of period rooms from 1600 to the present day; Curator Mrs. M. HARRISON.

Geological Museum (Museum of Practical Geology): Exhibition Road, South Kensington, S.W.7; part of the Geological Survey and Museum administered by the Natural Environment Research Council; exhibits include a display of gem and ornamental stones, numerous dioramas, and a large geological globe; fine collections of British minerals, rocks and fossils; there are also extensive reserve collections of fossils, rocks and minerals for reference and research; Dir. Sir JAMES STUBBLEFIELD, D.SC., A.R.C.S., F.R.S.; Curator A. J. BUTLER, O.B.E., M.SC., F.M.A.

Goldsmiths' Hall: Foster Lane, E.C.2; The Hall of the Worshipful Company of Goldsmiths of London; built 1830–35; architect, Philip Hardwick; this is the fourth Hall on the site, and contains one of the finest collections of ancient and modern silver plate, a library, exhibition room, assay office for the hallmarking of gold and silver plate; Clerk of the Company W. A. PRIDEAUX, M.C.

Guildhall Art Gallery: King Street, E.C.2; f. 1886 by the Corporation of London; exhibitions of the Corporation's pictures, loan exhibitions of important works, and the exhibitions of various art societies; Dir. A. H. HALL, F.S.A., F.L.A.

Guildhall Museum: Royal Exchange, E.C.3; f. 1826 to collect and exhibit the antiquities of the City of London; inc. relics from the Temple of Mithras, Roman, mediæval and later pottery, glass, cutlery, weapons, etc.; Curator A. H. HALL, F.L.A.; Keeper NORMAN COOK, B.A., F.S.A., F.M.A.

Hampton Court Palace: Surrey; contains a collection of paintings, cartoons and tapestries, including Andrea Mantegna's nine great tempera paintings of "The Triumph of Julius Cæsar"; Queen's Surveyor of Pictures Sir ANTHONY BLUNT, C.V.O.; Curator E. J. RAINBOW, M.V.O.

Horniman Museum and Library: London Road, Forest Hill, S.E.23; f. 1901; ethnographical collection from all parts of the world, including tools, musical instruments, the arts, magic and religion, and the natural history of animals, are the principal subjects illustrated in the Museum; library of 35,000 volumes, mainly on anthropology, prehistory, art, ethnomusicology and natural history; free lectures and concerts on subjects connected with the exhibits are given in autumn and winter; Curator D. M. BOSTON, M.A.; Deputy Curator and Zoologist G. E. WILLIAMS, M.SC.; Librarian Miss C. M. CONDRY, A.L.A.; Asst. Curator (Ethnology) G. W. JARVIS, M.A.; Asst. Curator (Music) Mrs. J. L. JENKINS, B.A.

Imperial War Museum: Lambeth Road, S.E.1; a national museum and picture gallery; f. in 1917, illustrating and recording every aspect of the various operations in which the Armed Forces of the British Commonwealth have been engaged since 1914; contains exhibits, pictures, films, photographs and a library dealing with war at sea, on land, in the air and its civil aspects; Pres. H.R.H. The Duke of GLOUCESTER; Vice-Pres. and Chair. of the Board of Trustees Admiral of the Fleet Sir ALGERNON WILLIS, G.C.B., K.B.E., D.S.O.; Dir. Dr. A. N. FRANKLAND, D.F.C.; library.

Industrial Health and Safety Centre: (Factory Inspectorate: Ministry of Labour): Horseferry Road, S.W.1; opened 1927; a permanent exhibition of methods, arrangements, and appliances for promoting the safety, health and welfare of industrial workers; Dir. R. G. SECONDE

Iveagh Bequest: Kenwood, Hampstead, N.W.3; left to the nation by the late Edward Cecil Guiness, K.P., first Earl of Iveagh, in 1927; includes paintings of British, Dutch, Flemish and French Schools, housed in an eighteenth-century mansion containing a fine Adam library; Admin. Trustees Greater London Council; Curator ALISTER CAMPBELL.

London Museum: Kensington Palace, W.8; museum galleries and State Apartments; f. 1912 to exhibit collections bearing on the history of London; Chair. Board of Trustees Viscount HARCOURT, K.C.M.G., O.B.E.; Dir. D. B. HARDEN, O.B.E., M.A., PH.D., F.S.A., F.M.A.

Museum of British Transport (British Railways Board): Clapham High Street, London, S.W.4; f. 1961; contains models, lithographs, tickets, and furniture of public transport by rail, road and water; another section, contains actual locomotives, rail saloons, buses and trams; Curator J. H. SCHOLES, F.M.A.

There are other railway museums at Swindon and York (*q.v.*).

National Gallery: Trafalgar Square, W.C.2; f. 1824; contains examples of all the principal European schools (works by living painters are at the Tate Gallery); public lectures on most weekdays; Chair. Lord ROBBINS; Dir. Sir PHILIP HENDY; Keeper MARTIN DAVIES; Deputy Keeper C. H. M. GOULD; Asst. Keepers M. LEVEY, G. H. D. MARTIN, A. BRAHAM; Scientific Adviser R. H. G. THOMSON.

National Maritime Museum: Greenwich, S.E.10; established 1934, opened 1937; illustrates British maritime history as exemplified by the work of the Royal Navy, Merchant Navy, Fishing Fleets, explorers and yachtsmen; the collection includes portraits and sea pieces, models, prints and drawings, instruments, maps and charts, seals, uniforms, weapons, medals and relics, ships' draughts, a library of books and MSS.; Flamsteed House, the oldest of the Royal Observatory buildings, was opened in 1960 as an annexe for navigation and astronomy and a Planetarium in 1965; Dir. FRANK G. G. CARR, C.B.E., M.A., LL.B., F.S.A.

National Portrait Gallery: St. Martin's Place, W.C.2; f. 1857; collection contains over 4,000 portraits of eminent British men and women of the last 400 years; Dir. DAVID T. PIPER, F.S.A.; Chair. of Trustees Sir GEOFFREY KEYNES, F.R.C.P., F.R.C.S.; Vice-Chair. Sir FRANK STENTON, F.B.A., F.R.HIST.S.

Public Record Office: Chancery Lane, London, W.C.2; exhibits include the Domesday Book and two copies of Magna Carta; Keeper of Public Records S. S. WILSON, C.B.

Royal College of Music: South Kensington, S.W.7; f. 1883; the College has a collection of musical instruments, of which the Donaldson gift forms a substantial part.

Royal College of Surgeons' Museum: Lincoln's Inn Fields, W.C.2; formed upon the Hunterian Collection purchased by Parliament in 1799; opened in 1813 when there were about 13,682 specimens; many additions both to buildings and collections have been made since the first opening; part of the buildings and many valuable items were destroyed by enemy action in 1941, about 26,600 specimens being saved; since the War 4 new museums have been built and many specimens replaced; Conservator of the Anatomical Museum GILBERT CAUSEY, F.R.C.S.; Conservator of the Pathological Museum GEORGE CUNNINGHAM, M.B.E., M.D.; Anatomy Curator JESSIE DOBSON, B.A., M.SC., A.C.I.S.; Pathology Curator LANCELOT WALDRON PROGER, M.A., M.R.C.S.

Science Museum: South Kensington, S.W.7; f. 1857; the National Museum of Science and Industry; Dir. D. H. FOLLETT, M.A., PH.D., F.INST.P.; Keeper Physics Department F. A. B. WARD, M.A., PH.D., F.B.H.I., F.INST.P.; Keeper Chemistry Department S. E. JANSON, M.A., PH.D., B.SC.; Keeper Transport and Mining Department F. LEBETER, M.SC.; Keeper Electrical Engineering and Communications Department D. CHILTON, B.SC., A.R.C.S., D.I.C., A.INST.P.; Keeper Aeronautics and Sailing Ships Department W. T. O'DEA, B.SC., M.I.E.E.; Keeper Mechanical and Civil Engineering Department K. R. GILBERT, M.A., D.I.C.; Keeper Astronomy and Geophysics Department H. R. CALVERT, M.A., D.PHIL., B.SC., F.R.A.S.; Museum Supt. J. A. REEVE.

Sir John Soane's House and Museum: 13 Lincoln's Inn Fields, W.C.2; built in 1812 by Sir John Soane, R.A., Architect of Bank of England; est. by Act of Parliament, 1833, for the promotion of the study of architecture and allied arts; Curator Sir JOHN SUMMERSON, C.B.E., F.B.A., A.R.I.B.A.; library: *see* Libraries.

South London Art Gallery (Borough of Southwark): Peckham Road, S.E.5; f. 1891; frequent exhibitions of paintings in oils and water colours, prints, etchings and sculptures; the permanent collection is exhibited from time to time; Curator Miss G. JOHNSON, F.L.A.

Tate Gallery (*National Gallery of British Painting, Modern Foreign Painting and Modern Sculpture*): Millbank, S.W.1; f. 1897 by Sir Henry Tate; contains the National Collections of British Painting, of Modern Foreign Painting, and of Modern Sculpture; the British section, which contains about 4,000 works, is especially rich in examples of Blake, Turner and the Pre-Raphaelites—the collection of foreign paintings and sculptures covers the period from Post-Impressionism to the present day; Dir. N. R. REID, D.A. (EDIN.), F.M.A., F.I.I.C.

Tower of London Armouries: London, E.C.3; the national collection of arms and armour, illustrating their development from the Middle Ages to 1914 and including the armour of the Tudor and Stuart sovereigns, and other historic relics including a non-European Section; Master of the Armouries A. R. DUFTY, A.R.I.B.A., V.P.S.A.; Asst. Master A. N. KENNARD, F.S.A.

Victoria and Albert Museum: S. Kensington, S.W.7; f. 1852, under the Ministry of Education; a museum of Fine and Applied Arts of all countries, periods and styles; also controls Bethnal Green Museum, Osterley Park, Apsley House, and Ham House; Dir. Sir TRENCHARD COX, C.B.E., D.LITT., F.S.A.; Keepers of Museum Depts.: Architecture and Sculpture, J. POPE-HENNESSY, C.B.E.; Ceramics, R. J. CHARLESTON; Circulation, H. G. WAKEFIELD; Prints, Drawings and Paintings, A. G. REYNOLDS; Metalwork, G. C. OMAN; Public Relations, C. H. GIBBS-SMITH; Textiles, G. WINGFIELD DIGBY; Woodwork, H. D. MOLESWORTH; Indian Section, J. C. IRWIN; publ. *Bulletin* (quarterly).

Wallace Collection: Hertford House, Manchester Square, W.1; opened 1900; a collection of pictures, drawings, miniatures, sculpture, French furniture, ceramics, Sèvres porcelain, bronzes, arms and armour and objets d'art, bequeathed to the nation in 1897 by Lady Wallace; Dir. F. J. B. WATSON, C.V.O., F.S.A.

Wellcome Historical Medical Museum: The Wellcome Building, Euston Road, N.W.1; f. 1913 by Sir Henry S. Wellcome, LL.D.; the collection consists of about 200,000 exhibits illustrating the history of medicine and related aspects of the biological sciences from prehistoric times to the 20th century; medieval, instrument and microscope collections especially valuable; print room contains 150,000 engravings and prints; original

paintings, works of art and a large library of photographs; Dir. F. N. L. POYNTER, PH.D., F.R.S.L., F.L.A.; Library: *see* under Libraries.

Wellcome Museum of Medical Science: The Wellcome Building, Euston Road, N.W.1; presents diseases encountered in tropical and sub-tropical areas with illustrations, pathological, entomological and other specimens, photomicrographs and abstracts of recent literature; Dir. Dr. A. J. DUGGAN, M.D.

Wellington Museum: Apsley House, Hyde Park Corner, S.W.1; administered by the Victoria and Albert Museum; formerly the home of the first Duke of Wellington; fine Dutch, Flemish, Spanish paintings, together with historical portraits, silver plate, porcelain, the Duke's decorations and other personal relics; Keeper-in-Charge C. H. GIBBS-SMITH, F.R.S.A., F.M.A.; Officer-in-Charge H. V. PERCIVAL.

Whitechapel Art Gallery: High Street, Stepney, E.1; f. 1901; loan exhibitions held; no permanent collection, supported by local authorities and subscriptions from Friends of the Gallery; Chair. of Trustees Rt. Hon. Viscount BEARSTED, D.L., T.D.; Dir. BRYAN ROBERTSON, O.B.E.

PROVINCES

The following is a selection from the many provincial museums of England:

Bowes Museum, The: Barnard Castle, Co. Durham; f. 1869 by Josephine and John Bowes; the collection was started in France and transferred to England when John Bowes endowed the foundations of the 22 galleries in 1885; museum opened 1892; includes paintings from European schools, metalwork, fine furniture, sculpture and tapestries; now administered by the Durham County Council; Dir. FRANK ATKINSON, B.SC., F.M.A.

Holburne of Menstrie Museum of Art: Bath, Somerset, f. 1882; to exhibit pictures, miniatures, silver, ceramics, glass, furniture, etc., in an 18th-century building; Chair. of Trustees C. J. ROBERTSON; Curator Mrs. A. M. BISHOP, M.A.

The American Museum in Britain: Claverton Manor, nr. Bath; f. 1959, opened 1961; first American museum in Europe; aims at illustrating the development of American decorative arts from 17th to 19th centuries; library; Dir. IAN MCCALLUM.

Birmingham City Museum and Art Gallery: f. 1867; Departments of Art (foreign schools from Renaissance, English from 18th century, early English water-colours and Pre-Raphaelite paintings and drawings, silver, ceramic and textile collections); Archaeology, Ethnography and Birmingham History (collections from Ur, Nineveh, Jericho, Nimrud, Vinca and Vounos (Cyprus) in the Old World, Mexico and Peru in the New, Pre-historic, Roman, and British Medieval antiquities); Natural History; Dir. JOHN LOWE, B.A., F.S.A.

Branch Museums: Department of Science and Industry; f. 1950; early industrial machinery and illustrations of scientific principles; Aston Hall (Jacobean house furnished as English country house); Blakesley Hall, Tudor house with collections of local history and fire engines.

Brighton Art Gallery and Museum: Church Street, Brighton, Sussex; collection of early (chiefly Netherlands) and modern paintings, water colours, prints and drawings; Japanese prints; English pottery and porcelain; 18th-century French and English furniture; primitive art, archæology, geology, natural history, etc.; Dir. CLIFFORD MUSGRAVE, O.B.E.

Royal Pavilion: Brighton; once the marine palace of King George IV and other monarchs (1787-1846); interior decorations restored and original furniture; Dir. CLIFFORD MUSGRAVE, O.B.E.

Bristol Museum and Art Gallery: Queen's Road, Bristol 8; also Red Lodge, Park Row (f. 1957), Georgian House (f. 1792), Chatterton House Museum and Blaise Castle House; Dir. of City Museum ALAN WARHURST, B.A., F.S.A., F.M.A.; Dir. of City Art Gallery H. SCHUBART, M.A., F.M.A.; publs. guides, catalogues, *Quarterly Bulletin*, etc.

Towneley Hall Museum and Art Gallery: Towneley Hall, Burnley, Lancs.; f. 1902; paintings, in oils and water-colours; collections of period furniture, ivories, 18th-century glassware and Chinese pottery; archæological and geological specimens and natural history rooms; also contains East Lancashire Regt. Room; Hall built in 1350; Curator H. C. THORNTON.

National Army Museum: Camberley, Surrey; f. 1960; large collection of uniforms, colours, pictures, relics, medals, documents, etc., illustrating the history of British and Indian Armies and Colonial Forces.

Fitzwilliam Museum: Trumpington Street, Cambridge; f. 1816; art collections of the University; pictures, drawings, prints, MSS., autographs, early printed books, music, coins, ceramics, textiles; Greek, Roman, and Egyptian antiquities, and an art library; Dir. C. WINTER, M.A.; Deputy Dir. J. W. GOODISON, M.A.; Librarian Miss P. M. GILES, M.A.; Keeper Administration L. A. HOLDER, M.A.; Keeper of Department of Antiquities R. V. NICHOLLS, M.A.; Asst. Keepers J. G. POLLARD, M.A. (Coin Room), M. CORMACK, B.A.(LOND.) Paintings and Drawings), J. P. PALMER, M.A. (Ceramics), E. C. CHAMBERLAIN (Prints).

Museum of Archaeology and Ethnology: Downing Street, Cambridge; f. 1883; Curator G. H. S. BUSHNELL, M.A., PH.D., F.S.A.; Asst. Curator Miss M. D. CRASTER, M.A., F.S.A.

Museum of Zoology: Downing Street, Cambridge; f. 1865; Dir. F. R. PARRINGTON, SC.D., M.A., F.R.S.

Corinium Museum: Park Street, Cirencester, Glos.; Corinium was the second largest town in Roman Britain, one of the most important collections in the Kingdom illustrating the Roman occupation; mosaic pavements, sculpture, tombstones (military and civil), household domestic utensils, personal ornaments, pottery, earthenware, bronze, and other articles of varied use, all giving ample evidence of the importance and wealth of Corinium; Custodian J. REAL.

Colchester and Essex Museum: The Castle, Colchester, Essex; f. 1860 from the collections of Essex Archæological Society; local antiquities and natural history; maintained by the Borough Council. The large collections are from Colchester and Essex, and the Roman section is particularly extensive. Curator D. T.-D. CLARKE, M.A., F.S.A., F.M.A.

Wiltshire Archaeological and Natural History Society Museum Long Street, Devizes, Wilts.; Curator F.K. ANNABLE, B.A., F.S.A., A.M.A.

Doncaster Museum and Art Gallery: Chequer Road, Doncaster, Yorks.; f. 1909; general and local museum collections; important Roman material; Art Gallery shows items from permanent collections in addition to temporary periodical exhibitions; Dir. E. F. GILMOUR, F.M.A., F.L.S., M.S.B.E.; publs. *Museum and Art Gallery Publications* 8vo. and 4to. series (irregular), *Catalogues*.

Gloucester Museums: Gloucester; Curator J. NEUFVILLE TAYLOR. The three museums are as follows:

City Museum: Brunswick Road; f. 1859; natural science and archaeology (before A.D. 1500).

Folk Museum: Bishop Hooper's Lodging, Westgate Street; f. 1935; folk material and historical relics (from A.D. 1500).

Regimental Museum: Westgate Street; f. 1950; history of The Gloucestershire Regiment.

Tolson Memorial Museum: Ravensknowle, Huddersfield, Yorks.; opened 1922; illustrates natural and human history of the district; geology, botany, zoology, prehistory, folk-life, development of woollen industry, collection of horse-drawn vehicles; library of 3,000 volumes; meteorological station in the Park; Dir. E. W. AUBROOK, F.M.A.

Leeds Art Gallery: Municipal Buildings, Leeds 1, Yorks.; f. 1888; collection of English and French oil paintings of the 18th and 19th centuries, English water-colours, (including Sydney Kitson and Agnes and Norman Lupton collections); modern English paintings and sculptures; Leeds and Staffordshire pottery; Print Room and Art Library; Dir. ROBERT ROWE, M.A.; publ. *Leeds Art Calendar* (quarterly); (*see also* Temple Newsam House).

Leeds City Museums: Park Row, Leeds 1, Yorks.; f. 1820 for the preservation and display of objects of historical, biological, geological, and archaeological importance, and for the furtherance of adult and child education by visual means; there are two museums in the city. The Central Museum houses natural history and archaeology; the other, the gatehouse of the now ruined Cistercian Monastery of Kirkstall, displays historical and folk material; Dir. C. M. MITCHELL, F.S.A., F.M.A.

Temple Newsam House: Halton, Leeds, Yorks.; Tudor-Jacobean house, previously residence of the Earl of Halifax; opened to the public 1923; art gallery and museum of decorative art; collections include furniture, Oriental and English pottery and porcelain, English paintings of 17th, 18th and 19th centuries, English water-colours and modern paintings; temporary exhibitions of old and modern paintings, sculpture, and furniture; Dir. ROBERT ROWE, M.A.; publs. *Leeds Arts Calendar* (quarterly), *Guides* and *Catalogues*.

Leicester Museums and Art Gallery: New Walk, Leicester; f. 1849; departments of antiquities, archives, art, biology, geology and schools service; the Muniment Room is a repository for the Manorial Rolls; library of 12,000 vols.; branch museums include The Newarke Houses, Belgrave Hall and the Guildhall; Dir. T. A. WALDEN, F.M.A.

Lincoln City and County Museum: Lincoln; f. 1906; exhibits collections from archæological and natural history collections from Lincolnshire; large collection of Roman antiquities from Lindum colonia (Lincoln); fine collection of armour and arms; Dir. F. T. BAKER, M.A., F.S.A.; Deputy Dir. Miss E. M. JOHN, F.L.A.; Keeper J. B. WHITWELL, M.A., A.M.A.

Usher Art Gallery: Lincoln; f. 1927; exhibits the Usher collection of antique watches, miniatures, Nanking porcelain, etc.; special collection of works by Peter De Wint and a general collection of art objects; Tennyson MSS. and personalia; Dir. F. T. BAKER; Keeper Miss M. L. SMITH, A.M.A.

Liverpool City Museums: William Brown Street, Liverpool 3, Lancs.; Museum, William Brown Street, Liverpool 3; f. 1851; buildings destroyed 1941, one gallery re-opened 1956, with selection of specimens from all departments; remainder stored; rebuilding in progress; small Branch Museum at Sudley, Mossley Hill; Departments: Geology, Botany, Invertebrate Zoology, Vertebrate Zoology, Archaeology, Ethnology, Ceramics and Applied Art, Design and Photography, Conservation, Shipping; Zoology Dept. contains the Lord Derby, Tristram and other collections of bird skins, with many specimens; Archaeology Dept. includes the Mayer-Fejérváry Gothic Ivories, etc.. and the Bryan Faussett group of Anglo-Saxon antiquities excavated in Kent in the 18th century; King's Liverpool Regiment Collections; Dir. T. A. HUME, B.A., F.S.A., F.M.A.

Manchester City Art Galleries: City Art Gallery, Mosley Street, Manchester 2, Lancs.; f. 1829; Annexe, Princess Street and branch galleries in Harpurhey, Heaton Park, Rusholme, Wythenshawe, and Didsbury; of these Heaton Hall, Heaton Park, is a Georgian Mansion designed by James Wyatt, and the Gallery of English Costume, Platt Hall, Rusholme, is one of the very few public museums to be wholly devoted to this subject; Dir. G. L. CONRAN, F.M.A.

Manchester Museum: The University, Manchester 13, Lancs.; f. 1821; archaeology, ethnology, geology, botany, zoology, entomology, etc.; Dir. DAVID E. OWEN, PH.D., F.M.A., F.G.S.; Keepers R. M. C. EAGAR, M.A., PH.D., F.M.A., F.G.S. (Geology); J. W. FRANKS, B.SC., PH.D. (Botany); E. L. SEYD, M.A., B.SC., F.L.S., F.M.A. (Zoology); A. BRINDLE, F.R.E.S. (Entomology); J. FORDE-JOHNSTON, M.A., F.S.A. (Ethnology and General Archæology); T. BURTON-BROWN, M.A. (Egyptology and Classical Archæology); Hon. Keeper Prof. F. C. THOMPSON, M.SC., D.MET., F.I.M. (Numismatics).

Hancock Museum: Barras Bridge, Newcastle upon Tyne, 2; f. 1829, present building 1884; general zoology, ornithology, geology, botany and ethnology; administered jointly by the Natural History Society of Northumberland, Durham and Newcastle upon Tyne and the University of Newcastle upon Tyne; Curator A. M. TYNAN, B.SC., F.M.A.

Laing Art Gallery and Museum: Higham Place, Newcastle upon Tyne, 1, Northumb.; f. 1904 to build up and preserve collections of pictorial, decorative and industrial art, to spread and encourage a knowledge of art in all its forms and to raise the standard of public taste; the the Art Gallery contains water-colours of British School from 17th century onwards, British oil paintings 18th to 20th century, engravings and etchings, Japanese colour prints; the Museum contains Egyptian, Greek and Roman antiquities, decorative and industrial art (pottery, porcelain, glass, silver, etc), European and Oriental arms and armour, and collections illustrating the history and industries of Newcastle upon Tyne and district; Dir. B. COLLINGWOOD STEVENSON, M.A., F.M.A., F.R.S.A.

Museum of Antiquities of the University and the Society of Antiquities of Newcastle upon Tyne: The Quadrangle, The University, Newcastle upon Tyne; f. 1960; prehistoric, Roman and Anglo-Saxon collections, a set of scale models of Hadrian's Wall, and life-size reconstruction of a Temple of Mithras; Keeper and Sec. D. J. SMITH, PH.D., F.S.A.; library relating to Hadrian's Wall and local archæology.

Norwich Museums: Norwich, Norfolk; Director F. W. CHEETHAM, B.A., A.M.A.

Bridewell Museum of Local Industries and Rural Crafts: f. 1925; industries and crafts of Norwich, Norfolk and North Suffolk.

Castle Museum: f. 1825; art (particularly of the Norwich School), local archæology and natural history.

St. Peter Hungate Museum of Church Art: f. 1933; medieval ecclesiastical art, MSS., church plate, etc.

Strangers' Hall Museum of Domestic Life: f. 1922; furnished rooms 16th-19th centuries.

Nottingham Natural History Museum: Wollaton Hall, Nottingham; f. 1867; collections of botanical, zoological, geological, archaeological material; extensive British and foreign herbaria, Crowfoot collection of exotic butterflies, Pearson collection of European butterflies, Fowler collection of British Coleoptera, Hollier collection of Wenlock Limestone fossils, Carrington series of

Mountain Limestone fossils; reference library of approx. 4,000 vols.; controlled by Nottingham Corporation; Curator H. C. S. HALTON, B.SC., F.M.A., M.S.B.E.

Ashmolean Museum: Oxford; f. 1683; contains the art and archaeological collections of the University of Oxford; paintings, drawings, sculpture, metalwork, ceramics and other works of art from the Middle Ages to the present day; coins, medals and paper money of all periods, lacquer and painting; Japanese ceramics, lacquer, painting, prints and metalwork; Indian and Tibetan sculpture; Keeper of the Ashmolean R. W. HAMILTON, M.A., F.B.A., F.S.A.

Plymouth Museums and Art Galleries and Cottonian Collection: Tavistock Road, Plymouth, Devon; f. 1897 to illustrate the arts and sciences of the West Country; the Cottonian Collection is of early printed and illuminated books, drawings and manuscripts; portraits by Sir Joshua Reynolds and a fine collection of old master drawings; the Museum administers Buckland Abbey, former home of Sir Francis Drake (vested in National Trust since 1948), now a Drake, Maritime and West Country Folk Museum (f. 1951), and the Elizabethan House, 32 New Street; Curator A. A. CUMMING.

Lady Lever Art Gallery, The: Port Sunlight, Cheshire; gift made to the public in 1922 by William Hesketh, First Viscount Leverhulme in memory of his wife, Lady Elizabeth Ellen Lever; collection includes paintings and drawings of the British School (from the late 17th century), sculpture, 18th-century English furniture, Chinese ceramics, Wedgwood ware, textiles and engravings; Curator RALPH FASTNEDGE, D.F.C., B.A.; publ. *Illustrated Guide.*

Harris Museum and Art Gallery: Market Square, Preston, Lancs.; Art Gallery includes the Devis Family of Painters (pictures and relics); 19th- and 20th-century paintings; drawings and sculpture; Museum contains ceramics, glass, costume, dolls and games, colour prints, Victoriana, numismatics, general and local archæology; Art Dir. and Curator HELENA GIBBON, F.M.A., F.R.S.A.

Reading Museum and Art Gallery: Reading, Berks.; f. 1883 to collect, preserve and exhibit objects of art, archaeology and science, especially of the district; special collections: Silchester collection of Romano-British remains; Dir. T. L. GWATKIN, M.A., F.M.A.

Museum of English Rural Life: 7 Shinfield Road, Reading; Keeper C. A. JEWELL, B.SC.

Salisbury and South Wiltshire Museum: 42 St. Ann Street, Salisbury, Wilts.; f. 1860; Curator H. DE S. SHORTT, T.D., M.A., F.S.A., F.R.N.S., F.M.A.; publ. *Annual Report.*

Sheffield Museum: Weston Park, Sheffield 10, Yorks.; f. 1875; collections of Sheffield silver, Old Sheffield Plate, British and European cutlery, coins and medals, ceramics, local archæology, natural history, etc.; Dir. H. RAYMOND SINGLETON, B.SC., F.R.MET.S., F.G.S., F.Z.S., F.M.A.

Graves Art Gallery: Surrey Street, Sheffield; Dir. RICHARD SEDDON, PH.D., F.M.A., A.R.C.A.

Southampton Art Gallery: Civic Centre, Southampton, Hants.; f. 1892 for purchase and display of works of art, and to further art appreciation and cultural activity; new building opened 1939; the collection emphasises English contemporary and 18th century paintings; Curator H. F. CONSTANTINE, F.M.A.

Atkinson Art Gallery: Lord Street, Southport, Lancs.; f. 1878 for the exhibition of the town's permanent collection, the Spring Exhibition of Modern Art and other exhibitions; Curator H. BARWICK RATCLIFFE, A.R.C.A.

Wakefield City Art Gallery and Museum: Wentworth Terrace, Wakefield, Yorkshire; Dir. R. W. GELSTHORPE.

City Museum: Wood Street, Wakefield.

Wolverhampton Art Gallery and Museum: Lichfield Street, Wolverhampton, Staffs.; f. 1885; permanent collection of works of modern painters, fine collection of Early English Water Colours and a good collection of Bilston Enamels; branch museum at Bantock House, Bantock Park, containing fine examples of early Worcester Porcelain, Antique Chinese Porcelain and Carved Ivories; also Wolverhampton Bygones; Curator F. MASON, B.SC., D.P.A., F.L.A.

Railway Museum (British Railways Board) York: York; f. 1928; contains 12 locomotives and other rail vehicles, equipment and fittings, lithographs and prints; Curator J. H. SCHOLES, A.M.A.

York Art Gallery: Exhibition Square, York; f. 1879; permanent collection consists of paintings of the Italian, Dutch, Flemish, German, French and English Schools and includes the Lycett Green Collection (presented through the N.A.C.F. 1955); there is a collection of works by William Etty, R.A. (a native of York), a gallery of modern art and an extensive collection of prints and drawings, largely devoted to the topography of York Curator HANS HESS, F.M.A.; Art Assistant D. E. RODGERS, B.A.; publ. *Preview* (quarterly).

Castle Museum, York: f. 1938 as a museum primarily for local exhibits; Kirk collection illustrates the life of the region in the 17th, 18th and 19th centuries; the adjacent Debtor's Prison (opened 1952) contains early crafts and costumes and a county military section; Dir. R. PATTERSON, B.SC., F.M.A.

Yorkshire Museum: York; f. 1822; museum of the Yorkshire Philosophical Society; natural history, archaeology, ceramics; important Roman and Danish archaeological collections library of *ca.* 7,000 vols.; Keeper G. F. WILLMOT.

WALES

Museum of Welsh Antiquities, University College of North Wales: College Road, Bangor, Caernarvons.; f. 1890; collects and exhibits antiquities relating to the six counties of Anglesey, Caernarvonshire, Denbighshire, Flintshire, Merionethshire and Montgomeryshire; Curator Prof. A. H. DODD, M.A., HON. D.LITT.

National Museum of Wales (*Amgueddfa Genedlaethol Cymru*): Cathays Park, Cardiff; f. 1907; a museum of the natural sciences, archaeology, industry and art with special reference to Wales; brs.: Welsh Folk Museum at St. Fagans, the Turner House Art Gallery at Penarth and the Legionary Museum at Caerleon; Pres. The Most Hon. The Marquess of ANGLESEY, F.S.A.; Dir. D. DILWYN JOHN, C.B.E., T.D., D.SC., F.M.A.; Keepers of Depts.: D. A. BASSETT, B.SC., PH.D., F.G.S., S. G. HARRISON, B.SC., D. MORGAN REES, M.A., COLIN MATHESON, M.A., B.SC., F.M.A., R. L. CHARLES, M.C., M.A., F.M.A., H. N. SAVORY, M.A., D.PHIL., F.S.A., F.M.A.; Sec. R. J. H. LLOYD, D.L., T.D.; publ. *Annual Report.*

Welsh Folk Museum: St. Fagans; Curator IORWERTH C. PEATE, M.A., D.SC., D.LITT.CELT., F.S.A., F.R.S.A. F.M.A.

County Borough of Newport Museum and Art Gallery: Dock Street, Newport, Mon.; f. 1888; special collections of Roman material from Caerleon and Caerwent; oils, early English water-colours, and prints; natural and local history collections; Dir. R. GREGORY ABSALOM, M.SC., PH.D., F.M.A.

SCOTLAND

Burgh Museum: Corberry Hill, Dumfries; building erected as a windmill 1798; f. 1835 as an observatory; gradually developed into a regional museum; main hall built 1862; reconstructed 1935 as a museum exhibiting natural history and archaeological material and personalia from Dumfries and Galloway, Roman relics and Stone and Bronze Age implements and bygones; collections of dress materials, aerial photographs, ornithological exhibits; *Camera Obscura* installed 1836; MSS. relative to Burns, Carlyle, Scott, Barrie, etc.; portrait gallery and room of local prints, etc.; Old Bridge House (1620) period and historical rooms; Curator A. E. TRUCKELL, F.S.A.(SCOT.), F.M.A., M.A.; Assistant Curator H. TRUCKELL.

Burns Museum: Alloway, Ayrshire; MSS. and correspondence of the poet Robert Burns; Curator THOMAS MCMYNN.

Edinburgh Corporation Museums: Three museums of local history and topography at Huntly House Canongate, Canongate Tolbooth; and at Lady Stair's House, Lawnmarket, also Museum of Childhood, Hyndfords' House, High Street. Special collections Scott, Burns, Stevenson, Highland Dress. City Librarian and Curator C. S. MINTO, F.L.A., Superintendent of Museums GEORGE A. YOUNG, F.M.A.

Glasgow Art Galleries and Museum: Kelvingrove, Glasgow; art collection f. 1856, now extensive, with pictures representative of Italian, Dutch, Flemish and French Schools, including Rembrandt, Rubens and Botticelli; collection of British, especially Scottish art; McInnes Collection of modern French painting, Victor J. Cumming Collection of British domestic silver, Burrell Collection of furniture, tapestries, etc.; sculpture, ceramics, *objets d'art*; museum has the Scott and Whitelaw Collections of arms and armour; archaeological and ethnographic collections; a large section is devoted to ship models and engineering, and the Natural History department contains birds, mammals, and is especially rich in geological material. Dir. STUART M. K. HENDERSON, B.SC., PH.D., F.M.A.

National Gallery of Scotland: The Mound, Princes Street, Edinburgh 1; f. 1859; a collection of European paintings, drawings and prints from Italian primitives onwards and outstanding examples of the Scottish School; Dir. DAVID BAXANDALL, C.B.E., B.A., F.M.A.; Chief Restorer H. R. H. WOOLFORD, F.M.A.; Keeper of Paintings COLIN THOMPSON, M.A.; Keeper of Prints and Drawings KEITH ANDREWS, F.S.A.; Sec. R. J. INGLIS.

Scottish National Portrait Gallery: Queen's Street, Edinburgh; f. 1882; portraits of Scottish historical interest; an extensive reference section of engravings and photographs of portraits; Dir. DAVID BAXANDALL, C.B.E., B.A., F.M.A.; Keeper R. E. HUTCHINSON; Asst. Keeper B. C. SKINNER, M.A.

National Gallery of Modern Art: Inverleith House, Royal Botanic Gardens, Edinburgh, 3; f. 1960; paintings, drawings, prints and sculptures of the 20th century; Dir. DAVID BAXANDALL, C.B.E., B.A., F.M.A.; Keeper W. DOUGLAS HALL, B.A., F.M.A.

National Museum of Antiquities of Scotland: Queen Street, Edinburgh; f. 1780; prehistoric, Roman, medieval and recent collections from Scotland; accessions, etc., published in the *Proceedings of the Society of Antiquaries of Scotland*; Keeper R. B. K. STEVENSON; Asst. Keepers S. MAXWELL, Miss A. S. HENSHALL, A. FENTON.

Royal Scottish Museum: Chambers Street, Edinburgh; f. 1854; museum of art, archaeology, ethnography, natural history, including geology, and technology; Dir. W. I. R. FINLAY, M.A.; Keepers: Art and Archaeology, CYRIL ALDRED, B.A.; Natural History, A. R. WATERSTON, O.B.E., B.SC., F.R.S.E.; Technology, R. W. PLENDERLEITH, B.SC., F.R.S.E.; Geology, Dr. C. D. WATERSTON, PH.D., B.SC., F.R.S.E., F.G.S.

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Number of students (1964-65): 2,340 men, 1,165 women, total 3,505.

Publications: *Aberdeen University Calendar, Aberdeen University Review.*

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Number of teachers: 772, including 102 professors.

Number of full-time students, men and women: 5,333 (Nov. 1964).

Publications: Annually: *Reports, Calender, Prospectus, Faculty Syllabuses and Information Pamphlets, Medical Graduates' News Letter, Shakespeare Survey, English and Germanic Studies, University of Birmingham Historical Journal, University of Birmingham Gazette* (seven issues per year), *Educational Review* (each term), etc.

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16

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The Shakespeare Institute: Stratford-upon-Avon; f. 1951.

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Number of students (1965-66): 3,020 men, 1,640 women, total 4,660.

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GRAYSTON, K., M.A., Theology
GRIMSLEY, R., M.A., D.PHIL., L.-ès-L., French
HALL, K. R. L., M.A., D.PHIL., Psychology
HAMMOND, N. G. L., D.S.O., D.L., M.A., Greek
HORNBY, J. A., M.A., Law
HOWARTH, L., O.B.E., M.A., PH.D., F.R.S., Applied Mathematics
JONES, A. D., M.A., DIP.ARCH., F.R.I.B.A., Architecture
KERMODE, J. F., M.A., English
KÖRNER, S., M.A., PH.D., JUR.DR., Philosophy
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PEEL, R. F. E. W., M.B.E., M.A., Geography
REISS, H. S., M.A., PH.D., German
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Didsbury College: Westbury-on-Trym, Bristol; f. 1842; Theological College.
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Tyndale Hall Theological College: Clifton, Bristol; f. 1925; missionary and theological college.
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Clifton Theological College: Stoke House, Bristol, 9; f. 1907.
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Long Ashton Agricultural and Horticultural Research Station: Long Ashton, Bristol; f. 1903.
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No. of Research and Teaching Staff: 50.

Gloucestershire Training College of Domestic Science: Barrack Square, Gloucester; f. 1891.
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FINLEY, M. I., M.A., Ancient Social and Economic History
GRIFFITH, G. T., M.A., F.B.A., Classics
LUCAS, D. W., M.A., Classics
SANDBACH, F. H., M.A., Classics

Faculty of Divinity:

PROFESSORS:

LAMPE, Rev. G. W. H., M.C., D.D., Divinity—Ely
MACKINNON, D. M., M.A., Divinity Norris-Hulse
MOULE, Rev. C. F. D., M.A., Divinity—Lady Margaret's
NINEHAM, Rev. D. E., B.D., Divinity—Regius

Faculty of English:

PROFESSORS:

BENNETT, J. A. W., M.A., Medieval and Renaissance English
KNIGHTS, L. C., M.A., PH.D., English Literature

READERS:

BRADBROOK, Miss M. C., LITT.D., English
HENN, T. R., C.B.E., M.A., Anglo-Irish Literature
HOUGH, G. G., LITT.D., English

Faculty of Fine Arts:

PROFESSORS:

BLUNT, Sir A. F., K.C.V.O., M.A., F.B.A., Fine Art
MARTIN, Sir J. L., M.A., F.R.I.B.A., Architecture

Faculty of Modern and Medieval Languages:

PROFESSORS:

BARRÈRE, J. B. M., M.A., French Literture
FORSTER, L. W., M.A., German
HARMER, L. C., M.A., PH.D., French
HILL, Miss E. M., M.A., Slavonic Studies
LIMENTANI, U., M.A., Italian
WILSON, E. M., M.A., PH.D., F.B.A., Spanish

READER:

BREDSDORFF, E. L., M.A., Scandinavian Studies

Faculty of Music:

PROFESSOR:

ORR, R. K., MUS.D., Music

Faculty of Oriental Studies:

PROFESSORS:

ARBERRY, A. J., LITT.D., F.B.A., Arabic
BAILEY, Sir H. W., M.A., F.B.A., Sanskrit
PLUMLEY, Rev. J. M., M.A., Eygptology
PULLEYBLANK, E. G., M.A., Chinese
THOMAS, D. W., M.A., Hebrew—Regius

READERS:

GERSHEVITCH, I., M.A., Iranian Studies
ROSENTHAL, E. I. J., LITT.D., Oriental Studies

Faculty of Economics and Politics:

PROFESSORS:

KAHN, Lord., C.B.E., M.A., Economics
MEADE, J. E., C.B., M.A., F.B.A., Political Economy
ROBINSON, Mrs. J. V., M.A., F.B.A., Economics
STONE, J. R. N., C.B.E., SC.D., F.B.A., Finance and Accounting
TURNER, H. A., M.A., Industrial Relations

READERS:

CHAMPERNOWNE, D. G., M.A., Economics
DOBB, M. H., M.A., Economics
KALDOR, N., M.A., Economics

Faculty of History:

PROFESSORS:

BROGAN, Sir D. W., M.A., F.B.A., Political Science
BUTTERFIELD, H., M.A., F.B.A., Modern History—Regius
CHADWICK, Rev. W. O., D.D., F.B.A., Ecclesiastical History
CHENEY, C. R., M.A., F.B.A., Medieval History
COCHRAN, T. C., M.A., American History and Institutions
JOSLIN, D. M., M.A., Economic History
MANSERGH, P. N. S., O.B.E., PH.D., British Commonwealth
RICH, E. E., LITT.D., Imperial and Naval History
WILSON, C. H., M.A., Modern History

READERS:

BISHOP, T. A. M., M.A., Palæography and Diplomatic
ELTON, G. R., LITT.D., Tudor Studies
GRIERSON, P., M.A., F.B.A., Medieval Numismatics
HINSLEY, F. H., M.A., International Relations
KITSON CLARK, G. S. R., LITT.D., Constitutional History
PLUMB, J. H., LITT.D., Modern English History
POLE, J. R., M.A., American History and Government
ULLMANN, W., LITT.D., Medieval Ecclesiastical Institutions

Faculty of Law:

PROFESSORS:

BAILEY, S. J., LL.D., English Law
DUFF, P. W., M.A., Civil Law—Regius
HAMSON, C. J., M.A., LL.M., Comparative Law
JENNINGS, R. Y., M.A., LL.B., International Law
JENNINGS, Sir W. I., K.B.E., Q.C., LITT.D., F.B.A., Laws of England
RADZINOWICZ, L., LL.D., Criminology

READERS:

JACKSON, R. M., LL.D., Public Law and Administration
LIPSTEIN, K., PH.D., Conflict of Laws
PARRY, C., LL.D., International Law
WILLIAMS, G. Ll., LL.D., F.B.A., English Law

Faculty of Moral Science:

PROFESSORS:

BRAITHWAITE, R. B., M.A., F.B.A., Moral Philosophy
WISDOM, A. J. T. D., M.A., Philosophy

READER:

EWING, A. C., LITT.D., F.B.A., Philosophy

Faculty of Engineering:

PROFESSORS:

BAKER, Sir J. F., O.B.E., SC.D., F.R.S., Mechanical Sciences
COALES, J. F., M.A., Engineering
HAWTHORNE, W. R., C.B.E., M.A., F.R.S., Applied Thermodynamics
MAIR, W. A., M.A., Aeronuatical Engineering
OATLEY, C. W., M.A., Electrical Engineering
PARKES, E. W., M.A., PH.D., Mechanics

READERS:

BECK, A. H. W., M.A., Electrical Engineering
BINNIE, A. M., M.A., F.R.S., Engineering
FOX, E. N., SC.D., Engineering
RHODEN, H. G., M.A., Engineering
ROSCOE, K. H., M.A., Engineering
SOFER, C., M.A., Industrial Management

Faculty of Geography and Geology:

PROFESSORS:

BULLARD, Sir E. C., SC.D., F.R.S., Geophysics
BULMAN, O. M. B., SC.D., F.R.S., Geology
DEER, W. A., PH.D., F.R.S., Mineralogy and Petrology
STEERS, J. A., M.A., Geography

READERS:

BLACK, M., M.A., Sedimentary Petrology
BROWNE, B. C., M.A., Experimental Geophysics
HILL, M. N., PH.D., F.R.S., Marine Geophysics
NOCKOLDS, S. R., PH.D., F.R.S., Geochemistry

Faculty of Mathematics:

PROFESSORS:

BATCHELOR, G. K., PH.D., Applied Mathematics
DAVENPORT, H., SC.D., F.R.S., Mathematics—Rouse Hall
DIRAC, P. A. M., PH.D., F.R.S., Mathematics—Lucasian
HALL, P., M.A., F.R.S., Pure Mathematics
HODGE, Sir W. V. D., SC.D., F.R.S., Astronomy and Geometry
HOYLE, F., M.A., F.R.S., Astronomy and Experimental Philosophy
KENDALL, D. G., M.A., F.R.S., Mathematical Statistics
WILKES, M. V., M.A., PH.D., F.R.S., Computer Technology

READERS:

BURKILL, J. C., SC.D., F.R.S., Mathematical Analysis
CARTWRIGHT, Miss M. L., SC.D., F.R.S., Theory of Functions
CASSELS, J. W. S., PH.D., F.R.S., Arithmetic
EDEN, R. J., M.A., PH.D., Theoretical Physics
INGHAM, A. E., M.A., F.R.S., Mathematical Analysis
LYTTLETON, R. A., M.A., PH.D., F.R.S., Theoretical Astronomy
POLKINGHORNE, J. C., PH.D., Theoretical Physics
SMITHIES, F., B.A., PH.D., Functional Analysis
TODD, J. A., B.A., PH.D., F.R.S., Geometry

Faculty of Physics and Chemistry:

PROFESSORS:

EMELÉUS, H. J., C.B.E., M.A., F.R.S., Inorganic Chemistry
FRISCH, O. R., O.B.E., M.A., F.R.S., Natural Philosophy
LINNETT, J. W., M.A., F.R.S., Physical Chemistry
LONGUET-HIGGINS, H. C., M.A., F.R.S., Theoretical Chemistry
MOTT, Sir N. F., M.A., F.R.S., Experimental Physics—Cavendish
PIPPARD, A. B., M.A., PH.D., F.R.S., Physics
REDMAN, R. O., M.A., PH.D., F.R.S., Astrophysics
ROUGHTON, F. J. W., M.A., PH.D., F.R.S., Colloid Science
RYLE, M., M.A., F.R.S., Radio Astronomy
TODD, Lord, M.A., F.R.S., Organic Chemistry
(Vacant—Metallurgy)

READERS:

AGAR, J. N., PH.D., Physical Chemistry
BOWDEN, F. P., C.B.E., SC.D., F.R.S., Physics and Chemistry of Solids
BUDDEN, K. G., PH.D., Physics
COSSLETT, V. E., SC.D., Electron Physics
HARLEY-MASON, J., SC.D., Organic Chemistry
HIRSCH, P. B., M.A., PH.D., F.R.S., Physics
HOAR, T. P., SC.D., Chemical Metallurgy
MADDOCK, A. G., SC.D., Radiochemistry
SHIRE, E. S., M.A., Physics
SHOENBERG, D., M.B.E., B.A., PH.D., F.R.S. Physics
TABOR, D., SC.D., F.R.S., Physics

TAYLOR, W. H., M.A., Crystallography
TOWNSEND, A. A., PH.D., F.R.S., Experimental Fluid Mechanics

Faculty of Agriculture:

PROFESSOR:

HUTCHINSON, Sir J. B., C.M.G., SC.D., F.R.S., Agriculture

READERS:

CHILDS, E. C., SC.D., Soil Physics
HANLEY, F., M.A., Crop Husbandry

Faculty of Archaeology and Anthropology:

PROFESSORS:

CLARK, J. G. D., SC.D., F.B.A., Archæology
FORTES, M., N.A., Social Anthropology
WHITELOCK, Miss D., C.B.E., LITT.D., F.B.A., Anglo-Saxon

READERS:

LEACH, E. R., M.A., Social Anthropology
RICHARDS, Miss A. I., C.B.E., M.A., Smuts Reader

Faculty of Biology: (A)

PROFESSORS:

GODWIN, H., SC.D., F.R.S., Botany
PANTIN, C. F. A., SC.D., F.R.S., Zoology
THODAY, J. M., SC.D., Genetics
WIGGLESWORTH, Sir V. B., C.B.E., M.D., F.R.S., Biology

READERS:

BARKER, J., M.A., PH.D., F.R.S., Plant Physiology
CORNER, E. J. H., M.A., F.R.S., Plant Taxonomy
GARRETT, S. D., SC.D., Mycology
PARRINGTON, F. R., SC.D., F.R.S., Vertebrate Zoology
RAMSAY, J. A., M.B.E., M.A., PH.D., F.R.S., Comparative Physiology
SALT, G., SC.D., F.R.S., Animal Ecology
TATE, P., SC.D., Parasitology
THORPE, W. H., SC.D., F.R.S., Animal Behaviour

Faculty of Biology (B):

PROFESSORS:

BEVERIDGE, W. I. B., M.A., Animal Pathology
BOYD, J. D., M.A., Anatomy
BURGEN, A. S. V., M.A., F.R.S., Pharmacology
GALE, E. F., SC.D., F.R.S., Chemical Microbiology
GREAVES, R. I. N., M.D., Pathology
MATTHEWS, Sir B. H. C., C.B.E., SC.D., F.R.S., Physiology
PARKES, A. S., C.B.E., SC.D., F.R.S., Physiology of Reproduction
YOUNG, F. G., M.A., F.R.S., Biochemistry
ZANGWILL, O. L., M.A., Experimental Psychology

READERS:

COMLINE, R. S., M.A., PH.D., Veterinary Physiology
COOMBS, R. R. A., PH.D., Immunology
DIXON, K. C., M.D., Cytopathology
DIXON, M., SC.D., F.R.S., Enzyme Biochemistry
HICK, W. E. M.A., Experimental Psychology
MILLEN, J. W., SC.D., Anatomy
NEEDHAM, N. J. T. M., SC.D., F.R.S., Biochemistry
NORTHCOTE, D. H., SC.D., Plant Biochemistry
RUSHTON, W. A. H., SC.D., F.R.S., Physiology
WILLMER, E. N., SC.D., F.R.S., Histology

Faculty of Medicine:

PROFESSORS:

BANKS, A. L., M.A., Human Ecology
CALNE, R. Y., M.A., Surgery
MCCANCE, R. A., C.B.E., M.D., F.R.S., Experimental Medicine
MILLS, I. H., M.D., Medicine
MITCHELL, J. S., C.B.E., M.D., F.R.S., Physic—Regius
PHILLIPSON, A. T., M.A., PH.D., Veterinary Clinical Studies
WALSHE, J. M., SC.D., M.B., B.CHIR., Metabolic Disease

READERS:

HICKMAN, J., M.A., Animal Surgery
MANN, T. R. R., C.B.E. SC.D., F.R.S., Physiology of Animal Reproduction

Department of Education:

PROFESSOR:

ARNOLD LLOYD, W., PH.D., Education

Department of Chemical Engineering:

PROFESSOR:

DANCKWERTS, P. V., G.C., M.B.E., M.A., Chemical Engineering

READER:

DAVIDSON, J. F., M.A., PH.D.

MEN'S COLLEGES:
(in order of their foundation)

Peterhouse: f. 1284.
Master: Prof. H. BUTTERFIELD, M.A., F.B.A.

Clare College: f. 1326.
Master: Sir ERIC ASHBY, M.A., F.R.S.

Pembroke College: f. 1347.
Master: Prof. Sir WILLIAM V. D. HODGE, SC.D., F.R.S.

Gonville and Caius College: f. 1348.
Master: Prof. Sir NEVILL F. MOTT, M.A., F.R.S.

Trinity Hall: f. 1350.
Master: Prof. Sir WILLIAM I. JENNINGS, K.B.E., Q.C., LITT.D., F.B.A.

Corpus Christi College: f. 1352.
Master: The Rt. Hon. Sir FRANK G. LEE, G.C.M.G., K.C.B., M.A.

King's College: f. 1441.
Provost: Lord ANNAN, O.B.E., M.A.

Queen's College: f. 1448.
President: A. L. ARMITAGE, M.A., LL.B.

St. Catharine's College: f. 1473.
Master: Prof. E. E. RICH, LITT.D.

Jesus College: f. 1496.
Master: Prof. D. L. PAGE, LITT.D., F.B.A.

Christ's College: f. 1505.
Master: Prof. Lord TODD, M.A., F.R.S.

St. John's College: f. 1511.
Master: Rev. J. S. B. SMITH, M.A.

Magdalene College: f. 1542.
Master: Rt. Hon. Sir HENRY U. WILLINK, Bt., M.C., Q.C., M.A.

Trinity College: f. 1546.
Master: Lord BUTLER, P.C., C.H., M.A.

Emmanuel College: f. 1584.
Master: Sir GORDON B. B. M. SUTHERLAND, SC.D., F.R.S.

Sidney Sussex College: f. 1596.
Master: D. THOMSON, M.A., PH.D.

Downing College: f. 1800.
Master: Prof. W. K. C. GUTHRIE, LITT.D., F.B.A.

Fitzwilliam House: f. 1869.
Censor: W. W. GRAVE, C.M.G., M.A., PH.D., HON.LL.D.

Selwyn College: f. 1882.
Master: Rev. Prof. W. O. CHADWICK, D.D., F.B.A.

St. Edmund's House: f. 1896 (Approved Society 1965).
Master: Very Rev. Canon G. D. SWEENEY, M.A.

Churchill College: f. 1960.
Master: Sir JOHN D. COCKROFT, O.M., K.C.B., C.B.E., PH.D., HON.SC.D., F.R.S.

Darwin College: f. 1963.
Master: Prof. F. G. YOUNG, M.A., F.R.S.

University College: f. 1965.
President: J. S. MORRISON, M.A.

WOMEN'S COLLEGES:

Girton: f. 1869.
Mistress: Miss MARY L. CARTWRIGHT, SC.D., F.R.S.

Newnham: f. 1871.
Principal: Miss RUTH L. COHEN, M.A.

New Hall: f. 1954.
President: Miss ALICE R. MURRAY, M.A.

Lucy Cavendish College: f. 1964.
President: Dr. ANNA BIDDER.

UNIVERSITY OF DURHAM

OLD SHIRE HALL, DURHAM

Telephone: 5261-7.

Founded 1832.

Chancellor: The Rt. Hon. the EARL OF SCARBROUGH, K.G., G.C.S.I., G.C.I.E., G.C.V.O., T.D., LL.D., D.C.L.
Vice-Chancellor: D. G. CHRISTOPHERSON, O.B.E., D.PHIL., F.R.S., A.M.I.C.E., M.I.MECH.E.
Pro-Vice-Chancellor: S. HOLGATE, M.A., PH.D.
Registrar and Secretary: I. E. GRAHAM, M.A.

Number of teaching staff: 287, including 39 professors.

Number of students (1964-65): 1,736 men, 513 women, total 2,249.

Publications: *Durham University Journal, Durham University Gazette, Durham Research Review.*

DEANS:

Theology: C. K. BARRETT, M.A., D.D., F.B.A.
Arts: J. LOUGH, M.A., PH.D.
Science: J. A. CHALMERS, M.A., PH.D.
Music: Prof. A. J. B. HUTCHINGS, PH.D., F.T.C.L.
Education: Prof. E. J. R. EAGLESHAM, M.A.

PROFESSORS:

Faculty of Divinity:
BARRETT, Rev. C. K., M.A., D.D., F.B.A.
JONES, Rev. Canon D. R., M.A.
TURNER, Rev. Canon H. E. W., M.A., D.D.

Faculty of Arts:
ALLEN, E., M.A., Economics
BIRLEY, E., M.B.E., M.A., F.S.A., Roman-British History and Archæology
BOWEN-JONES, H., M.A., Geography
BROOKS, J. L., B.A., Spanish
FISHER, W. B., DOCT. D'UNIV., F.R.A.I., Geography
GRANT, C. K., M.A., D.PHIL., Philosophy
HUTCHINGS, A. J. B., PH.D., A.R.C.O., F.T.C.L., Music
LOUGH, J., M.A., PH.D., French
MORRIS-JONES, W. H., B.SC.(ECON.), Political Theory and Institutions
MOSSOP, D. J., M.A., DOCT. D'UNIV., Modern French Literature
OFFLER, H. S., M.A., Medieval History
REX, J. A., PH.D., Social Theory and Institutions
SCOTT, D. F. S., M.A., DR.PHIL., German
SHARROCK, R., M.A., English
SKEMP, J. B., M.A., PH.D., Greek
SMITH, F. V., M.A., PH.D., F.B.PS.S., Psychology
SMITHERS, G. V., M.A., English Language anf Medieval Literature
THACKER, T. W., M.A., Semitic Philology
WARD, W. R., M.A., D.PHIL., Modern History
WOODCOCK, E. C., M.A., Latin

Faculty of Science:
BARKER, D., M.A., D.PHIL., Zoology
BRANSDEN, B. H., PH.D., F.INST.P., Theoretical Physics
CHALMERS, J. A., M.A., PH.D., F.INST.P., Physics
COATES, G. E., M.A., D.SC., F.R.I.C., Chemistry
DUNHAM, K. C., PH.D., D.SC., S.D., F.R.S., F.G.S., Geology
HIGGINSON, G. R., PH.D., Civil Engineering Science
HOOLEY, C., M.A., PH.D., Pure Mathematics
HOYLE, RUSSELL, PH.D., M.I.MECH.E. Engineering Science
MUSGRAVE, W. K. R., PH.D., D.SC., Organic Chemistry
REUTER, G. E. H., M.A., Pure Mathematics
ROCHESTER, G. D., M.SC., PH.D., F.R.S., F.INST.P., Physics
SQUIRES, E. J., PH.D., Applied Mathematics
VALENTINE, D. H., M.A., PH.D., F.L.S., Botany
WILLMORE, T. J., M.SC., PH.D., D.SC., Pure Mathematics
WOLFENDALE, A. W., PH.D., F.INST.P., Physics
WRIGHT, D. A., M.SC., D.SC., F.INST.P., Applied Physics

Faculty of Education:
EAGLESHAM, E. J. R., M.A., Education

COLLEGES:

University Office: Old Shire Hall, Durham.
Warden: D. G. CHRISTOPHERSEN, O.B.E., D.PHIL., F.R.S., A.M.I.C.E., M.I.MECH.E.

University College: f. 1833.
Master: L. SLATER, M.A., J.P.

Hatfield College: f. 1846.
Master: T. WHITWORTH, M.A., D.PHIL.

Grey College: f. 1958.
Master: S. HOLGATE, M.A., PH.D.

Van Mildert College: f. 1964.
Master: W. A. PROWSE, T.D., PH.D., A.M.I.E.E.

St. Chad's College: f. 1904.
Principal: Rev. J. C. FENTON, M.A.

St. John's College: f. 1909.
Principal: Rev. Canon J. P. HICKINBOTHAM, M.A.

College of the Venerable Bede: d. 1841.
Principal: K. G. COLLIER, M.A.

St. Cuthbert's Society: f. 1871; known as non-Collegriate until 1947.
Principal · Prof. J. L. BROOKS, B.A.

St. Mary's College: f. 1899.
Principal: Mrs. MARY HOLDSWORTH, M.A.

St. Hild's College: f. 1858.
Principal: NINA M. E. JOACHIM, M.A.

Neville's Cross College: f. 1921.
Principal: MARY WHITLEY, B.A.

St. Aidan's College: f. 1895; known as Home Students until 1947, and St. Aidan's Society until 1961.
Principal: Dame ENID RUSSELL-SMITH, M.A.

Trevelyan College: f. 1965.
Principal: JOAN C. BERNARD, M.A.

The Graduate Society: f. 1965.
Principal: Prof. W. B. FISHER, DOCT. D'UNIV., F.R.A.I.

AFFILIATED COLLEGES:

Codrington College: Barbados, British West Indies.

Fourah Bay College: The University College of Sierra Leone; Freetown, Sierra Leone.

UNIVERSITY OF EAST ANGLIA

EARLHAM HALL,
NORWICH, NOR 88C

Telephone: NOR 52651.

Founded 1961.

First students admitted in 1963.

Chancellor: The Rt. Hon. the Lord FRANKS OF HEADINGTON, P.C., G.C.M.G.
Vice-Chancellor: F. THISTLETHWAITE, M.A.
Registrar: G. A. CHADWICK, B.SC.
Librarian: W. L. GUTTSMAN, M.SC. (ECON.).

Number of teachers: 100.

Number of students: 820 (approx.)

Publications: *The University of East Anglia: Prospectus, Calendar.*

DEANS:

School of English Studies: R. ASHTON, PH.D., F.R.HIST.S.
School of European Studies: J. W. MCFARLANE, M.A.

School of Social Studies: C. R. Ross, M.A.
School of Biological Sciences: T. A. Bennet-Clark, M.A., PH.D., F.R.S.
School of Chemical Sciences: A. R. Katritzky, M.A., D.PHIL., PH.D., D.SC., F.R.I.C.
School of Mathematics and Physics: D. V. Osborne, M.A., PH.D.

Professors:

Ashton, R., English History
Bennet-Clark, T. A., Biology
Brooke, N. A., M.A., English Literature
Campbell, R. H., Economic History
Chadwick, P., PH.D., Mathematics
Cusack, N. E., PH.D., F.INST.P., Physics
Dainty, J., Biology
Dick, M. W., Philosophy
Emerson, A. R., Sociology
Glauert, M. B., M.A., D.SC., D.I.C., Mathematics
Katritzky, A. R., Chemistry
Kitching, J. A., Biology
Lasko, P. E., B.A., F.S.A., Visual Arts
McFarlane, J., M.A., European Literature
Mason, S. F., M.A., D.PHIL., Chemistry
Mosse, W. E., M.A., PH.D., European History
Osborne, D. V., M.A., PH.D., F.R.S.E., Physics
Ross, C. R., M.A., Economics
Sheppard, N., M.A., PH.D., Chemistry
Wilkins, M. B., PH.D., Biology

UNIVERSITY OF EDINBURGH

EDINBURGH

Telephone: NEW 1011.

Founded 1583.

Chancellor: H.R.H. The Prince Philip, Duke of Edinburgh, K.G., P.C., K.T., G.B.E., LL.D., F.R.S.
Vice-Chancellor and Principal: Prof. M. Swann, PH.D., F.R.S.E., F.R.S. (*acting*).
Rector: J. Robertson-Justice, D.PHIL., LL.D.
Secretary: C. H. Stewart, O.B.E., J.P., M.A., LL.B., C.A.
Librarian: E. R. S. Fifoot, M.C., M.A., A.L.A.

The library contains over 700,000 bound volumes and 1,000 current periodicals.

Number of teaching staff: 800 including 100 professors.

Numbers of students (1963-64): 5,553 men, 2,399 women, total 7,952.

Publication: *Edinburgh University Calendar.*

Deans:

Faculty of Divinity: Rev. Prof. N. W. Porteous, M.A., D.D.
Faculty of Law: Prof. T. B. Smith, Q.C., M.A., F.B.A.
Faculty of Medicine: Prof. J. W. Crofton, M.A., M.D., F.R.C.P., F.R.C.P.E., Clinical; Prof. W. L. M. Perry, O.B.E., M.D., D.SC., M.R.C.P., Pre-clinical.
Faculty of Arts: Prof. A. J. Beattie, M.A., F.R.S.E.
Faculty of Science: Prof. L. J. Hale, PH.D.,
Faculty of Music: Prof. S. T. M. Newman, C.B.E., M.A., D.MUS., F.R.S.E., HON.R.A.M., F.R.C.O., F.T.C.L.
Faculty of Social Sciences: Prof. J. W. Watson, PH.D., F.R.S.C., F.R.S.E.
Faculty of Veterinary Medicine: Prof. A. Robertson, C.B.E., M.A., B.SC., PH.D., M.R.C.V.S., F.R.I.C., F.R.S.E.

Professors:

Faculty of Divinity:
Anderson, G. W., M.A., D.D., Old Testament Literature and Theology
Cheyne, A. C., M.A., Ecclesiastical History
McIntyre, J., M.A., B.D., D.LITT., D.D., Divinity
Porteous, N. W., M.A., D.D., Hebrew and Semitic Languages
Stewart, J. S., M.A., D.D., New Testament Language, Literature, and Theology
Tindal, W. S., O.B.E., M.A., D.D., Christian Ethics and Practical Theology
Torrance, T. F., M.B.E., M.A., D.THEOL., D.D., Christian Dogmatics

Faculty of Law:
Calder, R., C.B.E., M.A., International Relations
Campbell, A. H., M.A., LL.M., LL.D., Public Law
Henry, G. L. F., B.L., W.S., N.P., Conveyancing
Mitchell, J. D. B., PH.D., Constitutional Law
Montgomery, G. A., Q.C., M.A., Scots Law
Smith, T. B., Q.C., D.C.L., M.A., LL.D., F.B.A., Civil Law

Faculty of Medicine:
Beagrie, G. S., L.D.S., F.D.S.R.C.S.E., Restorative Dentistry
Boyes, J., F.R.C.S.E., F.D.S.R.C.S., F.D.S.R.C.S.E., Dental Surgery
Brown, R., D.SC., F.R.S., Botany
Bruce, Sir John, C.B.E., M.B., CH.B., F.R.C.S.E., F.R.S.E., Clinical Surgery
Carstairs, G. M., M.A., M.D., F.R.C.P.E., D.P.M., Psychiatry
Crofton, J. W., M.A., M.D., F.R.C.P., F.R.C.P.E., Respiratory Diseases and Tuberculosis
Cruickshank, R., M.D., F.R.C.P., F.R.C.P.E., F.R.S.E., D.P.H., Bacteriology
Donald, K. W., D.S.C., M.A., M.D., D.SC., F.R.C.P., F.R.C.P.E., F.R.S.E., Medicine
Fisher, R. B., M.A., D.PHIL., Biochemistry
Forfar, J. O. Mc., M.D., F.R.C.P.E., M.R.C.P., D.CH., Child Life and Health
Gillingham, F. J., M.B.E., M.B., F.R.C.S.E., F.R.C.S., Neurological Surgery
Girdwood, R. H., M.D., PH.D., F.R.C.P., F.R.C.P.E., F.C.PATH., Therapeutics
James, J. I. P., M.B., M.S., F.R.C.S., Orthopædic Surgery
Kellar, R. J., M.B.E., M.B.CH.B., F.R.C.P., F.R.C.S., F.R.C.O.G., Obstetrics and Gynæcology
McWhirter, R., C.B.E., M.B., CH.B., F.R.C.S., F.F.R., D.M.R.E., Medical Radiology
Mansbridge, J., PH.D., H.D.D., L.D.S., Preventive Dentistry
Montgomery, G. L., C.B.E., T.D., PH.D., M.D., F.R.F.P.S.G., Pathology
Morrison, S. L., M.B., CH.B., D.PH., Social Medicine
Percival, G. H., M.D., PH.D., D.P.H., F.R.C.P.E., Dermatology
Perry, W. L. M., O.B.E., M.D., D.SC., M.R.C.P., Pharmacology
Romanes, G. J., PH.D., M.B., CH.B., F.R.C.S.E., F.R.S.E., Anatomy
Scott, G. I., M.A., M.B., CH.B., M.R.C.P.E., F.R.C.S., F.R.S.E., Ophthalmology
Scott, R., M.D., D.P.H., Medicine in Relation to General Practice
Whitby, L. G., M.A., PH.D., M.D., B.CHIR., M.R.C.P., M.C.PATH., Clinical Chemistry
Whitteridge, D., D.M., F.R.S., Physiology
Woodruff, M. F. A., B.E.E., D.SC., M.D., M.S., F.R.C.S., F.R.C.S.E., F.R.A.C.S., Surgical Science
(Vacant—Forensic Medicine)

Faculty of Arts:
Abercrombie, D., B.A., Phonetics
Acton, H. B., M.A., D.PHIL., Philosophy
Beattie, A. J., M.A., F.R.S.E., Greek
Bonsall, F. F., D.SC., Mathematics
Butt, J. E., M.A., F.B.A., Rhetoric and English Literature
Campbell, I. M., M.A., Humanity
Cochran, W., PH.D., M.A., F.R.C., Physics
Donaldson, G., M.A., PH.D., D.LITT., Scottish History and Palæography
Erdelyi, A., DR.RER.NAT., D.SC., F.R.S.E., Mathematics
Feather, N., PH.D., F.R.S., Natural Philosophy
Fielding, K. J., D.PHIL., English Literature
Hay, D., M.A., Medieval History
Hepburn, R. W., M.A., PH.D., Philosophy
Horn, D. B., M.A., D.LITT., Modern History
Jackson, K. H., M.A., LITT.D., D.LITT.CELT., HON. D.LITT.(Wales), F.B.A. Celtic Languages, Literature, History and Antiquities
Kemmer, N., M.A., DR.PHIL., F.R.S., Natural Philosophy
Lyons, J., M.A., PH.D., General Linguistics
McIntosh, A., M.A., A.M., English Language and General Linguistics
McMillan, D., PH.D., DIP.DE L'E. H.E., French Language and Romance Linguistics
MacQueen, J., M.A., English Literature—Medieval and Renaissance
Mason, E. C., M.A., DR.PHIL., D.LITT., German
Parker, A. A., M.A., Spanish
Piggott, S., D.LITT.HUM., F.B.A., Archæology
Rice, D. T., M.B.E., M.A., D.LITT., F.S.A., Fine Art
Rossi, M. M., M.A., PH.D., LIB.DOC. (Rome), Italian
Shepperson, G. A., M.A., Commonwealth and American History
Steele, A. J., M.A., French Literature
Walsh, W. H., M.A., Philosophy
Ward, D., M.A., Russian
Watt, W. M., M.A., PH.D., Arabic
(Vacant—Sanskrit)

Faculty of Science:
Black, J. N., M.A., D.PHIL., Forestry and Natural Resources
Brück, H. A., D.PHIL., PH.D., F.R.S.E., Astronomy—Regius
Calderbank, P. H., D.SC., M.I.CHEM.E., F.R.S.E., Chemical Engineering
Cottrell, T. L., D.SC., Chemistry
Farvis, W. E. J., B.SC.(ENG.), M.I.E.E., F.R.S.E., Electrical Engineering
Hendry, A. W., B.SC., PH.D., D.SC., M.I.C.E., M.I.STRUCT.E., F.S.R.E., Civil Engineering
Hirst, Sir Edmund L., C.B.E., M.A., D.SC., SC.D., LL.D., F.R.S.E., F.R.S., Organic Chemistry
Jaeger, L. G., PH.D., A.M.I.C.E., A.M.I.STRUCT.E., M.E.I.C., Mechanical Engineering

McADAM, R., PH.D., M.I.MIN.E., F.R.S.E., Mining
MITCHISON, J. M., M.A., PH.D., Zoology
POLLOCK, M. R., M.B., B.CH., F.R.S., Biology
STEWART, F. H., PH.D., F.R.S.E., F.R.S., Geology
SWANN, M. M., M.A., PH.D., F.R.S., F.R.S.E., Natural History
WADDINGTON, C. H., C.B.E., M.A., SC.D., D.SC., F.R.S., Animal Genetics
WATSON, S. J., C.B.E., D.SC., F.R.I.C., F.R.S.E., Agriculture and Rural Economy

Faculty of Music:
NEWMAN, S. T. M., C.B.E., M.A., D.MUS., F.R.S.E., F.R.C.O., F.T.C.L., Music

Faculty of Social Sciences:
ANDERSON, D. S., M.A., C.A., Accounting and Business Method
BURNS, T., B.A., Sociology
COPPOCK, J. T., PH.D., Geography
DREVER, J., M.A., F.R.S.E., Psychology
HANHAM, H. J., M.A., PH.D., F.R.HIST.S., Politics
HUNT, N. C., PH.D., Organisation of Industry and Commerce
JOHNSON-MARSHALL. P. E., DIP.ARCH., A.R.I.B.A., A.M.T.P.I., Urban Design and Regional Planning
LITTLE, K. L., M.A., PH.D., Social Anthropology
MATTHEW, Sir R. H., C.B.E., M.A., A.R.S.A., P.R.I.B.A., F.R.I.A.S., F.A.I.A., Architecture
PILLEY, J. G., M.A., Theory, Practice and History of Education
SAUL, S. B., B.COM., PH.D., Economic History
WATSON, J. W., M.A., PH.D., F.R.S.C., F.R.S.E., Geography
WOLFE, J. M., M.A., Economics
YOUNGSON, A. J., M.A., D.LITT., Economic Science

Faculty of Veterinary Medicine:
BODDIE, G. F., B.SC., M.R.C.V.S., F.R.S.E., Veterinary Medicine
BUXTON, A., PH.D., F.R.C.V.S., Veterinary Pathology
IGGO, A., M.AGRIC.SC., D.SC., PH.D., Veterinary Physiology
ROBERTSON, A., C.B.E., B.SC., PH.D., M.R.C.V.S., F.R.I.C., F.R.S.E., Veterinary Hygiene and Preventive Medicine
SPREULL, J. S. A., PH.D., M.R.C.V.S., Veterinary Surgery

CONSTITUENT COLLEGE:

New College: f. 1846.

Principal: Rev. Prof. N. W. PORTEOUS, M.A., D.D.

ASSOCIATED COLLEGE:

Edinburgh and East of Scotland College of Agriculture, The: West Mains Road, Edinburgh, 9; f. 1901.

Principal: Prof. S. J. WATSON, C.B.E., D.SC., F.R.I.C., F.R.S.E.

Secretary and Treasurer: R. S. BOYD, S.C.C.S.

Number of teachers: 37.

Number of students: 184 full-time, 62 part-time.

Publications: *Calendar, Annual Report, Farms Guide, Bulletins, Rural Advisory Leaflets,* etc.

UNIVERSITY OF ESSEX

WIVENHOE PARK, COLCHESTER, ESSEX

Telephone: Colchester 5141.

Founded 1962.

Chancellor: Lord BUTLER, P.C., C.H., M.A., LL.D.

Vice-Chancellor: A. E. SLOMAN, D.PHIL., M.A.

Registrar: A. ROWLAND-JONES, M.A.

Librarian: P. LONG, M.A.

Number of teaching staff: 161.

Number of students (1965): 300 undergraduate and 90 graduate.

DEANS:

School of Comparative Studies: Prof. D. A. DAVIE, M.A., PH.D.
School of Physical Sciences: Prof. A. F. GIBSON, B.SC., PH.D.
School of Social Studies: Prof. R. G. LIPSEY, M.A., PH.D.
Students: Prof. I. PROUDMAN, PH.D.

PROFESSORS:

BARNARD, G. A., Mathematics
BLONDEL, J. F. P., Government
BRADLEY, J. N., B.SC., PH.D., Chemistry
CLOWER, R., Economics
DAVIE, Dr. D., Literature
GIBSON, Dr. A. F., Physics
LIPSEY, R. G., Economics
POTTER, A. M., Government
PROUDMAN, Dr. I., Applied Mathematics
STREVENS, P. D., B.A., Languages
TOWNSEND, P. B., Sociology

UNIVERSITY OF EXETER

EXETER

Telephone: 77911.

University College 1922, University 1955.

Chancellor: The DOWAGER DUCHESS OF DEVONSHIRE, G.C.V.O., C.B.E., LL.D.

Vice-Chancellor: Sir JAMES COOK, D.SC., SC.D., D.de.l'U., PH.D., F.R.I.C., F.R.S.

Secretary: R. ROSS, M.A.(ADMIN.).

Academic Registrar: A. G. BARTLETT, M.A.

Librarian: J. L. LLOYD, M.A., F.R.S.L., F.S.A.

The library contains 160,000 volumes (*see* Libraries).

Number of teachers: 240 full-time, including 27 professors.

Number of students (1965): approx. 2,138 men and women.

Publications: *Calendar, Prospectus, Scholarship Pamphlet* (annual), *Gazette* (termly).

DEANS:

Faculty of Arts: Rev. W. M. MERCHANT, D.LITT.
Faculty of Law: Prof. C. F. PARKER, M.A., LL.B.
Faculty of Science: Prof. H. N. RYDON, D.SC., D.PHIL., PH.D.
Faculty of Social Studies: G. D. MITCHELL, M.B.E., B.SC.ECON.

PROFESSORS AND HEADS OF DEPARTMENTS:

Faculty of Arts:
BARLOW, F. , M.A., D.PHIL., History
CLAYTON, F. W., M.A., Classics
D'AETH, R., A.M., PH.D., Education
GARLAND, H. B., M.A., PH.D., German
MERCHANT, Rev. Dr. W. M., M.A., D.LITT., English
MINCHINTON, W. E., B.SC.(ECON.), Economic History
MIKLAUS, R., PH.D., L. ÈS L., French
O'CONNOR, D. J., M.A., PH.D., Philosophy
PORTER, Rev. J. R., M.A., Theology
TROTTER, G. D., M.A., Spanish

Faculty of Science:
CALDWELL, J., D.SC., PH.D., Botany
CONN, G. K. T., M.A., PH.D., Physics
DAVIES, A., M.SC., Geography
EDMUNDS, H. G., PH.D., Engineering Science
HARVEY, L. A., M.SC., A.R.C.S., D.I.C., Zoology
LACEY, P. M. C., B.SC., Chemical Engineering
McGLASHAN, R. L., D.SC., PH.D., M.SC., Physical Chemistry
PRICE, A. T., D.SC., Applied Mathematics
REES, D., M.A., SC.D., Pure Mathematics
REID, R. L., M.A., Psychology
RYDON, H. N., PH.D., D.PHIL., D.SC., D.I.C., A.R.C.S., F.R.I.C., Chemistry
SIMPSON, S., M.A., DR.RER.NAT., F.G.S., Geology

Faculty of Social Studies:
MITCHELL, G. D., M.B.E., B.SC., Sociology
PARRY LEWIS, J., B.SC., Economics
WALKER, D., M.A., Economics
WISEMAN, H. V., M.A., PH.D., Government

Faculty of Law:
PARKER, C. F., M.A., Law

Extra-Mural Studies:
SELLON, H. G. R., M.A., Extra-Mural Studies

Post Graduate Medical Institute:
MATTINGLY, D., M.B., M.R.C.P. (Director)

Institute of Education:
PEDLEY, R., M.A., PH.D. (Director)

UNIVERSITY OF GLASGOW

GLASGOW, W.2

Telephone: WEStern 8855.

Founded 1451, reconstituted 1577.

Chancellor: Rt. Hon. Lord BOYD ORR OF BRECHIN, D.S.O., M.C., M.A., M.D., D.SC., LL.D., F.R.S.

Vice-Chancellor and Principal: C. H. WILSON, M.A., LL.D.

Rector: The Rt. Hon. the Lord REITH.

Registrar: R. T. HUTCHESON, O.B.E., J.P., M.A., PH.D.

Librarian: R. O. MACKENNA, M.A., A.L.A.

Library, *see under* Libraries.

Number of teaching staff: 1,190, including 90 professors.

Number of students (1964-65): 5,642 men, 2,071 women, total 7,713.

Publications: *Glasgow University Publications, Geology Department Papers, Glasgow University Calendar* (annually).

DEANS:

Faculty of Arts: S. D. NISBET, M.A.
Faculty of Science: R. MILLER, M.A., PH.D.
Faculty of Medicine: C. M. FLEMING, C.B.E., M.A., M.D.
Faculty of Law: J. B. MILLER, M.A.
Faculty of Divinity: J. MAUCHLINE, M.A., D.D.
Faculty of Engineering: J. F. C. CONN, D.SC.

PROFESSORS:

Faculty of Arts:
ALLAN, D. J., M.A., F.B.A., Greek
ATKINSON, W. C., M.A., Hispanic Studies
BRYCE, J. C., M.A., English Literature—Bradley Chair
BUTTER, P. H., M.A., English Language and Literature
CHAMBERS, W. W., M.B.E., M.A., L. ÈS L., PH.D., German
CHECKLAND, S. G., M.A., M.COMM., PH.D., Economic History
DUNCAN, A. A. M., M.A., Scottish History and Literature
FORDYCE, C. J., M.A., LL.D., Humanity
GILL, A., C.B.E., M.A., French
HIRST, R. J., M.A., Logic and Rhetoric
MACLAGLAN, W. G., M.A., PH.D., Moral Philosophy
MEIKLEJOHN, M. F. M., M.A., Italian
NISBET, S. D., M.A., Education
NOVE, A., B.SC., Economics—Bonar Chair
ORR, R., M.A., MUS.D., Music
PICKFORD, R. W., M.A., PH.D., D.LITT., Psychology
RAPHAEL, D. D., M.A., D.PHIL., Political and Social Theory
ROBERTSON, D. J., M.A., Applied Economics
SAMUELS, M. L., M.A., English Language
STONES, E. L. G., M.A., PH.D., F.S.A., Medieval History
THOMSON, D. S., M.A., Celtic
WILSON, T., O.B.E., M.A., PH.D., Political Economy
WRIGHT, E., M.A., Modern History
YOUNG, A. M., M.A., Fine Art

Faculty of Science:
BISHOP, G. R., D.PHIL., Natural Philosophy—Kelvin Chair
BRIAN, P. W., PH.D., Botany
CRUICKSHANK, D. W. J., M.A., PH.D., SC.D., Chemistry—Joseph Black Chair
DEE, P. I., C.B.E., M.A., F.R.S., Natural Philosophy
GEORGE, T. N., D.SC., PH.D., D. ÈS. SC., F.R.S., Geology
GUNN, J. C., M.A., Natural Philosophy—Cargill Chair
MILLER, R., M.A., PH.D., Geography
NEWTH, D. R., PH.D., Zoology
PONTECORVO, GUIDO, DR.AGR., PH.D., F.R.S., SC.D., Genetics
RANKIN, R. A., M.A., PH.D., SC.D., Mathematics
RAPHAEL, R. A., PH.D., D.SC., F.R.S., Chemistry—Regius
ROBERTSON, J. M., C.B.E., M.A., D.SC., PH.D., F.R.S., Chemistry—Gardiner Chair
SNEDDON, I. N., M.A., D.SC., Mathematics—Simson Chair
SWEET, P. A., M.A., PH.D., Astronomy
(Vacant—Agriculture)

Faculty of Medicine:
ALSTEAD, S., C.B.E., M.D., Materia Medica
ANDERSON, D. F., M.D., Obstetrics and Gynæcology
ANDERSON, T., M.D., Public Health
ANDERSON, W. F., O.B.E., M.D., Geriatric Medicine
BARNES, R., M.B., CH.B., Orthopædics
CAPPELL, D. F., C.B.E., M.D., Pathology
DAVIDSON, J. N., M.D., D.SC., F.R.S., Biochemistry
DONALD, I., M.B.E., M.D., Midwifery
EMSLIE, J. W., M.R.C.V.S., Veterinary Surgery
FLEMING, C. M., M.A., M.D., Administrative Medicine
FORBES, G., M.D., Forensic Medicine
FOULDS, W. S., M.D., Ophthalmology
GARRY, R. C., M.B., D.SC., Physiology
GIBSON, W. M., M.B., CH.B., F.D.S., Dental Prosthetics
GRIST, N. R., B.SC., M.B., CH.B., Infectious Diseases
HUTCHISON, J. H., O.B.E., M.D., Child Health
INGLIS, J. S. S., B.SC., M.R.C.V.S., Animal Husbandry and Veterinary Preventive Medicine
KAY, A. W., M.D., CH.M., Surgery
MCGIRR, E. M., M.D., Medicine
MCINTYRE, W. I. M., PH.D., Veterinary Medicine
MACKEY, W. A., T.D., M.B., Surgery
MORGAN, H. G., B.SC., M.B., CH.B., Pathological Biochemistry
MULLIGAN, W., M.SC., PH.D., Veterinary Physiology
RODGER, T. F., M.B., D.P.M., Psychological Medicine
SIMPSON, J. A., M.D., Neurology
STOKER, M. G. P., M.D., M.A., Virology
SYMINGTON, T., M.D., Pathology
WAYNE, Sir EDWARD J., M.SC., PH.D., M.D., Practice of Medicine
WEIPERS, W. L., F.R.C.V.S., D.V.S.M., Veterinary Surgery
WHITE, R. G., M.A., D.M., Bacteriology
WHITE, T. C., F.D.S., D.D.O., Orthodontics
WYBURN, G. M., M.B., D.SC., Anatomy
(Vacant—Dental Surgery and Public Health)

Faculty of Law:
ANTON, A., M.A., Jurisprudence
FLINT, D., T.D., M.A., C.A., Accountancy
HALLIDAY, J. M., M.A., Conveyancing
MILLER, J. B., T.D., M.A., Mercantile Law
WALKER, D. M., Q.C., M.A., PH.D., Law
WATSON, W. A. J., D.PHIL., Civil Law

Faculty of Divinity:
BARCLAY, W., M.A., D.D., Biblical Criticism
FOSTER, J., M.A., D.D., Ecclesiastical History
HENDERSON, I., M.A., D.D., Systematic Theology
MAUCHLINE, J., M.A., D.D., Old Testament Language and Literature
SMITH, R. G., M.A., TH.D., D.D., Divinity
WEIR, C. J. M., M.A., D.D., D.PHIL., Hebrew and Semitic Languages

Faculty of Engineering:
CONN, J. F. C., D.SC., Naval Architecture
HIBBERD, G., PH.D., Mining
LAMB, J., D.SC., PH.D., Electrical Engineering
MARSHALL, W. T., PH.D., Civil Engineering
NONWEILLER, T. R. F., PH.D., Aeronautics and Fluid Mechanics
ROBSON, J. D., PH.D., Engineering—Rankine Chair
SMALL, J., PH.D., D.SC., Mechanical Engineering

ASSOCIATED COLLEGE:

West of Scotland Agricultural College: 6 Blythswood Square, Glasgow, C.2; f. 1899.
Principal: (Vacant).

Courses and advisory services in Agriculture, Dairying, Horticulture, Poultry Husbandry and Bee-keeping.

HERIOT-WATT UNIVERSITY

CHAMBERS STREET,
EDINBURGH 1

Telephone: CALedonian 7121,
S.T.D. Code 031.

Founded 1821 as Heriot-Watt College, University 1965.

Chancellor: The Rt. Hon. Sir ALEC DOUGLAS-HOME, K.T., M.P.
Vice-Chancellor and Principal: H. B. NISBET, C.B.E., PH.D., D.SC., F.H.-W.C., F.R.I.C., F.R.S.E.
Secretary: D. I. CAMERON, B.L., C.A.
Librarian: CATHERINE A. EWING, M.A., F.L.A.

Number of teachers: 103.

Number of students: 1,100 full-time, 700 part-time.

Publications: *Calendar, Students' Handbook.*

PROFESSORS:

BELL, F., PH.D., D.SC., F.R.I.C., F.R.S.E., Chemistry
BOLTON, A., M.SC.,(TECH), PH.D., Civil Engineering
CALDERBANK, P. H., D.SC., M.I.CHEM.E., F.R.S.E., Chemical Engineering
CAMPBELL, H. H., A.H.-W.C., F.P.S., F.R.I.C., Pharmacy
CHILDS, W. H. J., PH.D., D.SC., F.INST.P., F.R.S.E., Mining
GLOAG, J., B.COM., F.C.I.S., F.A.C.C.A., M.B.I.M., Industrial Administration
MANNERS, D. J., M.A., PH.D., D.SC., F.R.I.C., Brewing and Applied Biochemistry
SIDWELL, N. C., M.SC., PH.D., A.R.I.C.S., M.I.STRUCT.E., A.I.O.B., Building
SILVER, R. S., M.A., PH.D., D.SC., M.I.MECH.E., F.INST.P., M.I.MAR.E., F.R.S.E., Mechanical Engineering
TAYLOR, E. O., A.C.G.I., D.I.C., M.I.E.E., F.R.S.E., Electrical Engineering

THE UNIVERSITY OF HULL

COTTINGHAM ROAD, HULL

Telephone: 408960.

Founded 1927.

Chancellor: Rt. Hon. Lord MIDDLETON, K.G., M.C., T.D., L.L., LL.D., J.P.
Vice-Chancellor: B. JONES, PH.D., SC.D., F.R.I.C.
Chairman of Council: H. I. LOTEN, M.B.E., LL.D., J.P.
Treasurer: L. H. DOWNS, C.B.E., M.A., D.SC., M.I.MECH.E.
Pro-Vice-Chancellor: Prof. M. M. GILLIES, M.A., PH.D.
Registrar: W. D. CRAIG, B.L.
Librarian: P. A. LARKIN, M.A., A.L.A., F.R.S.L.

There are over 165,000 volumes in the library.

Number of teachers: 369, including 29 professors.

Number of students (full-time) (1964-65): 1,773 men, 799 women, total 2,572.

Publications: *Calendar, Gazette.*

DEANS:

Faculty of Arts: J. P. KENYON, PH.D.
Faculty of Science: W. H. COCKROFT, M.A., D.PHIL.
Faculty of Social Sciences and Law: A. H. BIRCH, PH.D.

PROFESSORS:

Faculty of Arts:
ARMSTRONG, W. A., M.A., PH.D., English
BRETT, R. L., B.LITT., English Language and Literature
GILLIES, M. M., M.A., PH.D., Classics
HANSON, Rev. A. T., D.D., Theology
KENYON, J. P., PH.D., History
LAND, F. W., M.SC., PH.D., Education
MOORE, G. H., M.A., American Literature
PICKFORD, C. E., M.A., D: ÈS.L., French
REES, G., M.A., D.DE L'UNIV., French
VAUGHAN, R., M.A., PH.D., History
WHITE, A. R., PH.D., Philosophy
WILKINSON, H. R., M.A., Geography

Faculty of Science:
BELL, D. A., M.A., PH.D., Electronic Engineering
CHAPMAN, N. B., M.A., PH.D., F.R.I.C., Chemistry
CLARKE, A. D. B., PH.D., Psychology
COCKROFT, W. H., M.A., D.PHIL., Pure Mathematics
COLE, G. H. A., PH.D., D.SC., F.R.A.S., Theoretical Physics
DAWES, E. A., PH.D., D.SC., Biochemistry
DONOVAN, D. T., PH.D., D.SC., Geology
ESPINASSE, P. G., M.A., Zoology
GARLICK, G. F. J., PH.D., D.SC., F.INST.P., Physics
RING, J., PH.D., F.INST.P., Applied Physics
ROBERTSON, N. F., B.SC., PH.D., M.A., Botany
SLATER, N. B., M.A., PH.D., Applied Mathematics

Faculty of Social Sciences and Law:
BARBACK, R. H., B.SC.(ECON.), B.LITT., Economics
BIRCH, A. H., B.SC.(ECON.), PH.D., Government
CUNNISON, I. G., D.PHIL., Social Anthropology
TAYLOR, F. W., M.A., LL.M., BAR-AT-LAW.
WILSON, J. S. G., M.A., DIP.COM., Economics and Commerce

UNIVERSITY OF KEELE

KEELE, STAFFORDSHIRE

Telephone: Keele Park 371.

Founded as University College of North Staffordshire 1949, University of Keele 1962.

Chancellor: H.R.H. THE PRINCESS MARGARET, COUNTESS OF SNOWDON, C.I., G.C.V.O.
Vice-Chancellor: H. M. TAYLOR, C.B.E., T.D., M.SC., PH.D., F.S.A.
Registrar: J. F. N. HODGKINSON, M.A.
Librarian: S. O. STEWART, M.A.

Number of teaching staff: 144, including 20 professors.
Number of students: 559 men, 442 women, total 1,001 (Undergraduate), 116 (Postgraduate).
Publication: *University Calendar.*

PROFESSORS:

Board of Humanities:
BROOKE, K., B.A., Modern Languages
CHARLTON, J. M. T., M.A., F.S.A., Classics
FLEW, A. G. N., M.A., Philosophy
LAWLOR, J. J., M.A., English Language and Literature
NORTH, R. J., M.A., French
SIMON, W. M., M.A., PH.D., History

Board of Social Sciences:
BEAVER, S. H., M.A., F.G.S., F.R.MET.S., Geography
FINER, S. E., M.A., F.R.HIST.S., Political Institutions
HUGH-JONES, E. M., M.A., Economics
HUNTER, I. M. L., D.PHIL., Psychology
STEWART, W. A. C., M.A., PH.D., Education
TEALE, A. E., B.LITT., Political and Moral Philosophy
THOMPSON, D., PH.D., Law

Board of Natural Sceinces:
COPE, F. W., D.SC., M.I.MIN.E., F.G.S., Geology
GEMMELL, A. R., PH.D., M.S., F.R.S.E., J.P., Biology
INGRAM, D. J. E., M.A., D.PHIL., D.SC., F.INST.P., Physics
MCWEENY, R., D.PHIL., Theoretical Physics and Chemistry
ROBERTSON, A. P., PH.D., F.I.M.A.
SPRINGALL, H. D., M.A., D.PHIL., F.R.I.C., Chemistry and Mathematics

Granada Research Chair in Communications:
MACKAY, D. M., PH.D., F.INST.P.

UNIVERSITY OF KENT AT CANTERBURY

CANTERBURY

Telephone: 66822.

Founded 1965.

Chancellor: H.R.H. THE PRINCESS MARINA, DUCHESS OF KENT.
Vice-Chancellor: G. TEMPLEMAN, M.A., PH.D., F.S.A.
Registrar: E. FOX, M.A.
Librarian: G. S. DARLOW, M.A., A.L.A.

Number of teachers: 70.
Number of students: 500.
Publication: *Prospectus.*

DEANS:

Faculty of Humanities: Prof. G. E. F. CHILVER, M.A., D.PHIL.
Faculty of Social Sciences: Prof. W. HAGENBUCH, M.A.
Faculty of Natural Sciences: Prof. G. R. MARTIN, A.R.C.A., B.SC., F.R.I.C.

PROFESSORS:

BARKER, T. C., M.A., PH.D., Economic History
CHILVER, G. E. F., M.A., D.PHIL., Classical Studies
FOAKES, R. A., M.A., PH.D., English Literature
GIBSON, R. D. D., PH.D., French
HAGENBUCH, W., M.A., Economics
KEITH-LUCAS, B., M.A., Political Studies
LYONS, F. S. L., PH.D., M.A., Modern History
MARTIN, G. R., B.SC., A.R.C.S., F.R.I.C., Chemistry
NOBLE, M. E., M.A., PH.D., Mathematics
NOWELL-SMITH, P. H., M.A., A.M., Philosophy
POWLES, J. G., PH.D., D.-ÈS-SC., Physics
STIRLING, P., D.PHIL., Sociology
WHITEHOUSE, W. A., M.A., D.D., Theology

UNIVERSITY OF LANCASTER

BAILRIGG HOUSE, LANCASTER

Telephone: Lancaster 65201.

Founded 1964.

Chancellor: H.R.H. PRINCESS ALEXANDRA.
Vice-Chancellor: C. F. CARTER, M.A.
Secretary: A. S. JEFFREYS, B.A., B.LITT.
Librarian: A. G. MACKENZIE, M.A.

Number of teachers: 90.
Number of students (1965-66): 650 undergraduate and 50 postgraduate.
Publication: *Prospectus.*

The university has no faculties; Board of Studies are responsible for the co-ordination of the courses, and for the admission of students to the appropriate fields of study.

PROFESSORS:

BEVINGTON, J. C., Chemistry
DOBBS, E. R., Physics
LAWRENCE, R. J., Marketing
LAWRENSON, T. E., French Studies
LLOYD, E. H., Mathematics
MANLEY, G., Environmental Studies
LAWRENCE, R. J., Marketing
MURRAY, W. A., English
PIGOTT, C. D., Biology
REYNOLDS, P. A., Politics
RIVETT, B. H. P., Operational Research
SIBLEY, F. N., Philosophy
STURMEY, S. G., Economics
WILLCOCK, M. M., Classics
WOOLRUCH, A. H., History

UNIVERSITY OF LEEDS

LEEDS, 2

Telephone: 31751.

Founded 1904.

Chancellor: H.R.H. The DUCHESS OF KENT.
Pro-Chancellor: Col. G. H. KITSON, O.B.E., T.D., D.L.
Vice-Chancellor: Sir ROGER B. STEVENS, G.C.M.G., M.A.
Pro-Vice-Chancellor: Prof. W. WALSH, M.A.
Treasurer and Secretary: Brig. J. N. TETLEY, D.S.O., T.D., D.L.
Bursar: E. WILLIAMSON, T.D., B.SC. (ECON.).
Registrar: J. V. LOACH, B.SC., PH.D., F.R.I.C.
Librarian: B. S. PAGE, M.A.

The library contains 755,704 volumes and pamphlets including the Brotherton Collection which contains 45,901 volumes and pamphlets and a large number of MSS., deeds and letters.

Number of students (1964-65): 4,864 men, 1,681 women, total 6,545.

Publications: *University Calendar, University Gazette, Publications and Titles of Theses.*

DEANS:

Faculty of Arts: Rev. Prof. E. J. TINSLEY, M.A., B.D.
Faculty of Economic and Social Studies: M. KIRK, M.A.
Faculty of Law: Prof. P. J. FITZGERALD, M.A.

Faculty of Science: W. H. TRICKETT, M.SC.
Faculty of Technology: A. JOWETT, PH.D.
Faculty of Medicine: A. B. PAIN, T.D., CH.M., F.R.C.S.

PROFESSORS:

Faculty of Arts:
BADIAN, E. M. A., D.PHIL., LITT.D., F.B.A., Ancient History
BELL, Q., M.A., Fine Art
BORRAS, F. M., M.A., Russian
BROWN, R. F., M.A., PH.D., Spanish and Portuguese Language and Literature
CAMERON, J. M., M.A., Philosophy
CAWLEY, A. C., PH.D., English Language and Medieval English Literature
DAVISON, J. A., T.D., M.A., Greek Language and Literature
DENNY, J. R., M.B.E., M.A., MUS.B., Music
DICKENSON, R. E., M.A., PH.D., Geography
FLETCHER, B. A., M.A., Education and *Director of Institute of Education*
GILLIES, A., M.A., DR.PHIL., German Language and Literature
GRANT, W. D. B., M.A., D.PHIL., F.R.S.L., American Literature
GRANVILLE, J. A. S., PH.D., International History
JEFFARES, A. N., M.A., PH.D., D.PHIL., English Literature
LATTIMORE, O., D.LITT., Chinese Studies
LE PATOUREL, J., M.A., D.PHIL., Medieval History
MITCHELL, T. F., B.A., Contemporary English
RAYBOULD, S. G., PH.D., Adult Education, and *Director of Extra-Mural Studies*
TAYLOR, A. J., M.A., F.R.H.S., Modern History
THODY, P. M. W., M.A., French Literature
TINSLEY, Rev. E. J., M.A., B.D., Theology
ULLMANN, S., D.PHIL., D.LITT., Romance Philology
WALSH, W., M.A., Education
WOOD, E. J., M.A., Latin Language and Literature

Faculty of Economic and Social Studies:
BERESFORD, W. M., M.A., Economic History
BROWN, A. J., M.A., D.PHIL., Economics and Commerce
GREBENIK, E., M.SC.(ECON.), Social Studies
HANSON, A. H., M.A., A.R.C.M., Politics
LOMAX, K. S., M.A., Economics
LUPTON, T., PH.D., Industrial Relations

Faculty of Law:
FITZGERALD, P. J., M.A., Law
JAMES, P. S., M.A., Law

Faculty of Science:
COOKE, G. B., PH.D., Computing
COWLING, T. G., M.A., D.PHIL., F.R.S., Applied Mathematics
DODD, J. M., PH.D., Zoology
DUGDALE, J. S., D.PHIL., F.R.S., Physics
GOLDIE, A. E., M.A., Pure Mathematics
GOLDSWORTHY, F. A., M.SC., PH.D., Applied Mathematics
GRAY, P., M.A., SC.D., F.R.I.C., Physical Chemistry
HOARE, F. E., PH.D., A.R.C.A., F.INST.P., Physics
IRVING, H. N. M. H., M.A., D.PHIL., S.DC., F.R.I.C., Inorganic and Structural Chemistry
KENNEDY, W. O., D.SC., F.R.S., Earth Sciences
LYTHGOE, B., M.A., PH.D., Organic Chemistry
MANTON, Miss IRENE, PH.D., SC.D., Botany
MEREDITH, G. P., PH.D., Psychology
PRESTON, R. D., PH.D., D.SC., F.INST.P., F.R.S., Biophysics
PRICE, H. L., M.A., M.SC., PH.D., Mathematics
RUSE, H. S., M.A., D.SC., F.R.S.E., Pure Mathematics
SHACKLETON, R. M., PH.D., F.G.S., Earth Sciences
WILSON, J. G., M.A., PH.D., F.INST.P., Physics

Faculty of Technology:
BYWATER, T. L., M.S., Agriculture
CARTER, G. W., M.A., M.I.E.E., MEM.A.I.E.E., Electrical Engineering
CLARRICOATS, P. J. B., PH.D., A.M.I.E.E., Electrical Engineering
COLE, B. N., PH.D., WH.SC., A.M.I.MECH.E., Mechanical Engineering
EVANS, R. H., C.B.E., D.SC., D-ÈS-SC., PH.D., M.INST.C.E., M.AM.SOC.C.E., M.I.STRUCT.E., M.I.MECH.E., Civil Engineering
GROSBERG, P., M.SC.(ENG.), P.HD., Textile Engineering
HASELDEN, G. G., D.SC., PH.D., A.M.I.CHEM.E., Chemical Engineering
KING, H. J., B.SC.(ENG.), PH.D., A.M.I.MIN.E., Mineral Science
NUTTING, J., M.A., PH.D., Metallurgy
RATTEE, I. B., B.SC., A.R.C.S., Colour Chemistry and Dyeing
ROBERTS, A. L., PH.D., F.INST.F., F.R.I.C., F.I.CERAM., M.INST.GAS E.(HON.), Coal Gas and Fuel Industries
ROBSON, A., PH.D., A.R.I.C., Fibre Science
ROOK, J. A. F., PH.D., F.R.I.C., Agricultural Chemistry
WARD, A. G., O.B.E., M.A., F.INST.P., Leather Science
WESTERN, J. H., PH.D., Agricultural Botany
WHEWELL, C. S., PH.D., F.R.I.C., F.T.I., Textile Technology
(Vacant—Ceramics)

Faculty of Medicine:
BRADSHAW, B. D., M.A., M.B., B.CH., D.P.H., Preventive Medicine and Public Health
CRABB, H. S. M., M.D.S., PH.D., F.D.S., R.C.S., Conservative Dentistry
CRAIG, W. S., M.D., F.R.C.P.E., F.R.S.E., F.R.C.P., Pediatrics and Child Health
DAGLEY, S., M.A., D.SC., F.R.I.C., Biochemistry
FOURMAN, P., M.D., D.SC., F.R.C.P., Chemical Pathology
GOLIGHER, J. C., CH.M., F.R.C.S., Surgery
GREEN, H. N., M.A., M.SC., M.D., Experimental Pathology
HAMILTON, M., M.D., P.R.C.P., M.R.C.S., D.P.M., Psychiatry
HAPPOLD, F. C., PH.D., D.SC., Biochemistry
HEMINGWAY, A., M.B., CH.B., M.SC., Physiology
HOLMES, R. L., M.B., CH.B., PH.D., D.SC., Anatomy
HOPPER, F. E., M.D.S., F.A.S., R.C.S., Dental Surgery
JONHSTONE, A. S., M.D., F.R.C.S.E., F.F.R., D.M.R.E., Radiodiagnosis
LATHE, G. H., M.SC., M.D., C.M., PH.D., Chemical Pathology
LUMSDEN, C. E., M.D., Pathology
NUNN, J. F., M.D., CH.B., PH.D., L.R.C.P., M.R.C.S., D.A., F.F.A.R.C.S., Anæsthetics
OAKLEY, C. L., D.SC., M.D., M.R.C.S., L.C.R.P., F.R.S., Bacteriology
POLSON, C. J., M.D., F.R.C.P., M.R.C.S., BAR.-AT-LAW, Forensic Medicine
SCOTT, J. S., M.D., F.R.C.S.(ED.), F.R.O.C.G. Obstetrics and Gynæcology
SPIERS, F. W., C.B.E., PH.D., D.SC., Medical Physics
TUNBRIDGE, R. E., O.B.E., M.D., M.SC., F.R.C.P., Medicine
WOOD, D. R., B.M., B.CH., B.SC., M.A., Pharmacology
(Vacant—Physics, Physical Chemistry, Engineering, Fluid Mechanics)

AFFILIATED COLLEGES:

College of the Resurrection: Mirfield, Yorks.; f. 1902 by the Community of the Resurrection for the training of priests.
Principal: Rev. H. BISHOP, C.R., M.A. (OXON.).
Vice-Principal: Rev. B. GREEN, C.R., M.A.
Secretary: Bro. Z. BRAMMER, C.R.
Registrar: Rev. H. BEASLEY, C.R., B.A.
Tutor: Rev. V. GIRLING, C.R., M.A.
Number of tutors: 7.
Number of students: 50 men.

St. John's College: York; f. 1846; Diocesan Training College for Schoolmasters.
Principal: Rev. Canon P. J. LAMB, M.A.
Vice-Principals: W. C. CHAPMAN, M.A., Miss J. VALENTINE, B.A.
Bursar: S. WATKIN, B.A.
Number of teachers: 58.
Number of students: 450 men, 200 women.

Leeds College of Technology: Calverley Street, Leeds, 1; Department of Printing and Photography; full-time and part-time courses in Printing Technology and Photography.
Principal: J. F. DICKENSON, B.SC.(ENG.), PH.D., M.I.MECH.E., A.M.I.MAR.E.
Head of Department: D. J. JUNIPER.

Huddersfield College of Technology: Queensgate, Huddersfield.
Principal: W. E. SCOTT, M.B.E., M.SC., PH.D., F.R.I.C.

UNIVERSITY OF LEICESTER

UNIVERSITY ROAD, LEICESTER

Telephone: Leicester 50000.
Telegrams: University, Leicester.

University College founded 1918; Charter 1950; University Charter 1957.

Chancellor: Lord ADRIAN, O.M., M.A., M.D., D.SC., LL.D., F.R.S., F.R.C.P.
Vice-Chancellor: T. A. FRASER NOBLE, M.B.E., M.A.
Registrar: H. B. MARTIN, B.COM., F.C.I.S.
Librarian: D. G. F. WALKER, M.A., LL.B., A.L.A.

The library contains 210,000 volumes.
Number of teachers: 240, including 33 professors.
Number of students (full-time) (1965-66): 3,000.
Publications: *Calendar* (annual), *Handbook* (annual), *Gazette* (three times a year).

DEANS:

Faculty of Arts: F. W. J. HEMMINGS, M.A., D.PHIL.

Faculty of Science: H. P. MOON, M.A., F.L.S.

Faculty of Social Science: H. J. DYOS, B.SC.(ECON.), PH.D.

PROFESSORS:

ALLAWAY, A. J., M.A., Adult Education
BANTOCK, G. H., M.A., Education
COLLINS, P. A. W., M.A., English Literature
DAVIS, R., B.SC.(ECON.), PH.D., Economic History
GOODSTEIN, R. L., M.SC., PH.D., D.LITT., Mathematics
GRODECKI, J. K., M.A., B. EN D., Law
HEMMINGS, F. W. J., M.A., D.PHIL., French Literature
HOSKINS, W. G., M.SC. (ECON.), PH.D., M.A., English History
HUGHES, C. J., M.A., B.PHIL., Politics
HUMPHRYES, A. R., M.A., A.M., English
KEMP, J., M.A., Philosophy
KIRK, W., B.A., Geography
KORNBERG, H. L., D.SC., PH.D., M.A., F.R.S., Biochemistry
LEE, S. G. M., M.A., PH.D., Psychology
MACLELLAN, G. D. S., M.A., PH.D., Engineering
MEEK, R. L., LL.M., M.A., PH.D., Economics
MOON, H. P., M.A., F.L.S., Zoology
NEUSTADT, I., DR.SC.ECON., PH.D., Sociology
PEACOCK, R. D., D.SC., PH.D., Inorganic Chemistry
POWELL, P. H., M.A., D.LITT., PH.D., German
PRITCHARD, R. H., PH.D., Genetics
PYE, N., B.A., Geography
REDFEARN, E. R., B.SC., PH.D., Biochemistry
REES, C. W., D.SC., PH.D., Organic Chemistry
SIMMONS, J., M.A., F.R.S.L., History
STEWARDSON, E. A., M.SC., PH.D., Physics
SYKES, L. C., M.A., D.PHIL., French
SYLVESTER-BRADLEY, P. C., B.SC., Geology
SYMONS, M. C. R., PH.D., D.SC., Physical Chemistry
TIBBLE, J. W., M.A., M.ED., Education
TUTIN, T. G., M.A., F.L.S., Botany
WASSERSTEIN, A., PH.D., Classics
WHITTAM, R., B.SC., PH.D., M.A., General Physiology

UNIVERSITY OF LIVERPOOL

BROWNLOW HILL, LIVERPOOL 3

Telephone: Royal 6022.

Founded by Royal Charter, 1903.

Chancellor: The Most Hon. The MARQUESS OF SALISBURY, K.G., P.C., D.C.L., LL.D., LITT.D., F.R.S., J.P.

Pro-Chancellors: The Rt. Hon. The Viscount LEVERHULME, T.D., B.A., J.P., B. NELSON, C.B.E., J.P. (*President of the Council*).

Vice-Chancellor: W. H. F. BARNES, M.A., D.C.L.

Pro-Vice-Chancellors: Prof. N. A. BURGES, M.SC., PH.D., Prof. W. D. WILLIAMS, M.A., D.PHIL.

Registrar: H. H. BURCHNALL, M.A.

Librarian: D. A. CLARKE, M.A., A.L.A.

Library: *see* Libraries.

Number of teachers (1965): 931, including 81 professors.

Number of students (1964-65): 4,257 men, 1,466 women, total 5,723.

Publications: *The Sphinx, Guild Gazette, Sphincter,* and quarterly: *Journal of Comparative Pathology and Therapeutics, Town Planning Review, Bulletin of Hispanic Studies, Business History.*

DEANS:

Faculty of Arts: Prof. R. W. STEEL, B.SC., M.A.

Faculty of Science: Prof. C. H. BAMFORD, M.A., PH.D., SC.D., F.R.S.

Faculty of Medicine: J. M. LEGGATE, M.B., CH.B., F.R.C.S.

Faculty of Law: Prof. D. SEABORNE DAVIES, M.A., LL.B., J.P.

Faculty of Engineering Science: H. EDELS, PH.D., M.I.E.E.

Faculty of Veterinary Science: Prof. D. L. HUGHES, PH.D., F.R.C.V.S.

PROFESSORS:

Faculty of Arts:

ALLOTT, K. C. B., M.A., B.LITT., Modern English Literature
ARMSTRONG, A. H., M.A., Greek
AUSTIN, R. G., M.A., D.LITT., D. DE L'U., Latin
BROOKE, C. N. L., M.A., F.R.HIST.S., F.S.A., Medieval History
BLYTH, W. A. L., M.A., M.ED., PH.D., Education
CROSS, J. E., M.A., FIL.DR., English Language
FAIRMAN, H. W., M.A., Egyptology
GARDNER-MEDWIN, R., B.ARCH., DIPL. C. DESIGN, F.R.I.B.A., M.T.P.I., Architecture
GORODETZKY, Mrs. NADEJDA, M.A., B.LITT., D.PHIL., Russian
HEARNSHAW, L. S., M.A., Psychology
HYDE, F. E., M.A., PH.D.(ECON.), F.R.HIST.S., Economics
LLOYD, A. C., B.A., Philosophy
MAYER, C. A., PH.D., French
MAYS, J. B., M.A., PH.D., Social Science
MUIR, K., M.A., English Literature
QUINN, D. B., M.A., PH.D., D.LIT., D.LITT., M.R.I.A., F.R.HIST.S., Modern History
RIBBANS, G. W., M.A., Spanish
RIDLEY, F. F., PH.D., Political Theory and Institutions
SHACKLE, G. L. S., B.A., PH.D. (ECON.), D.PHIL., F. ECONOMETRIC S., Economic Science
SIMEY, OF TOXTETH, Lord, M.A., Social Science
SMALLMAN, F. B. R., M.A., C.MUS., A.R.C.O., Music
STEEL, R. W., M.A., Geography
TEMPEST, N. R., M.A., ED.M., Education
WALBANK, F. W., M.A., F.B.A., Ancient History and Classical Archæology
WILLIAMS, W. D., M.A., D.PHIL., German
WRIGHT, H. M., M.A., F.R.I.B.A., M.T.P.I., Civic Design

Faculty of Science:

BAMFORD, C. H., M.A., PH.D., SC.D., F.R.S., Industrial Chemistry
BATTERSBY, A. R., PH.D., D.SC., Organic Chemistry
BAWN, C. E. H., C.B.E., B.SC., PH.D., F.R.S., Inorganic and Physical Chemistry
BOWDEN, K. F., D.SC., F.INST.P., Oceanography
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DONIACH, I., M.D., Morbid Anatomy
DORNHORST, A. C., M.D., F.R.C.P., Medicine
DOUGLAS, C. P., B.A., M.B., CH.B., F.R.C.O.G., Obstetrics and Gynæcology
DOWNMAN, J. L., C.B.E., PH.D., M.R.C.S., L.R.C.P., Physiology
D'SILVA, J. L., M.B., B.S., PH.D., D.SC., M.R.C.P., Physiology
DUMBELL, K. R., M.D., Virology
EAYRS, J. T., PH.D., D.SC., Physiology
ELEK, S. D., M.D., D.SC., D.P.H., Medical Microbiology
ELLIS, H., M.CH., D.M., F.R.C.S., Surgery
EMSLIE, R. D., B.D.S., M.S., F.D.S., Preventive Dentistry
EVANS, D. G., PH.D., D.SC., F.R.S., Bacteriology and Immunology
FAIRBAIRN, J. W., PH.D., D.SC., Pharmacognosy
FISH, S. F., F.D.S.R.C.S., Prosthetic Dentistry
FORMSTON, C., F.R.C.V.S., Veterinary Surgery
FRASER, T. R. C., M.D., F.R.C.P., D.P.M., Clinical Endocrinology
FRIEDMANN, I., M.D., Pathology
FULTON, F., M.A., M.D., Virology
GILLIAT, R. W., M.A., D.M., F.R.C.P., Clinical Neurology
GOLDBY, F., M.A., M.D., F.R.C.P., Anatomy
GOODWIN, J. F., M.D., F.R.C.P., Clinical Cardiology
GRAY, C. H., M.D., D.SC., F.R.C.P., F.R.I.C., Chemical Pathology
GREENFEILD, A. D., M.B., B.S., D.SC., Physiology
HADDOW, A., M.D., D.SC., F.R.S., Experimental Pathology
HAMILTON, W. J., B.A.O., M.D., D.SC., F.R.C.O.G., F.R.S.E., Anatomy
HARRISON, C. V., B.SC., M.D., Morbid Anatomy
HARRISON, D. F., N. M.S., M.D., F.R.C.S., Laryngology and Otology
HARRISON, R. J., M.A., M.D., D.SC., Anatomy
HERBERT, W. E., M.R.C.S., L.R.C.P., F.D.S., Dental Surgery
HILL, J. D. N., M.B., B.S., F.R.C.P., D.P.M., Psychiatry
HILL, K. R., B.SC., M.D., M.R.C.P., F.R.I.C., F.C.PATH., Pathology
HOBBIGER, F., PH.D., M.D., Experimental Pharmacology
HUXLEY, A. F., M.A., D.SC., M.D., F.R.S., Physiology
IRVINE, W. T., CH.M., N.D., F.R.C.S., Surgery
JOHNSON, F. R., B.A.O., M.D., Histology
JONES, B. R., B.SC., M.B., CH.B., F.R.C.S., Clinical Ophthalmology
KATZ, B., M.D., D.SC., F.R.S., Biophysics
KEELE, C. A., M.D., F.R.C.P., Pharmacology and Theraupetics
KERWICK, A., M.A., M.B., B.CHIR., F.R.C.P., Medicine
KILLEY, H. C., M.R.C.S., L.R.C.P., L.D.S., Oral Surgery
KINMONTH, J. B., M.S., F.R.C.S., Surgery
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KOLLER, P. C., D.SC., Cytongenetics
KRAMER, I. R. H., M.D.S., F.D.S., R.C.S.(ENG.), M.C.PATH., Oral Pathology
LACEY, B. W., M.D., Bacteriology
LAING, J. A., PH.D., M.R.C.V.S., Animal Husbandry and Veterinary Hygiene
LAWRENCE, D. R., M.D., F.R.C.P., Pharmacology and Therapeutics
LEDINGHAM, J. M., M.D., F.R.C.P., Experimental Medicine
LE QUESNE, L. P., M.A., M.CH., D.M., F.R.C.S., Surgery
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LONG, C., D.PHIL., F.R.S.E., Biochemistry
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MACDONALD, G., C.M.G., M.D., F.R.C.P., D.P.H., D.T.M., Tropical Hygiene
MACLAGAN, N. F., D.SC., M.D., F.R.C.P., Chemical Pathology
MCMENEMEY, W. H., M.A., D.M., F.R.C.P., D.P.M., Pathology
MCMICHAEL, Sir JOHN, M.D., F.R.C.P., F.R.S.ED., F.R.S., Medicine
MAGNUS, H. A., LL.D., D.SC., M.D., F.R.C.P., Morbid Anatomy
MARTIN, N. H., M.A., B.CH., B.SC., F.R.C.P., Chemical Pathology
MILES, A. E. W., M.R.C.S., L.R.C.P., F.D.S., Dental Pathology
MILES, A. A., C.B.E., M.A., M.D., F.R.C.P., F.R.S., Experimental Pathology
MILNE, M. D., B.SC., M.D., M.R.C.S., F.R.C.P., Medicine
MOLLISON, P. L., M.D., F.R.C.P., Hæmatology
MORGAN, A. D., M.A., M.D., Morbid Anatomy
MORRIS, J. N., M.A., D.SC., F.R.C.P., Social Medicine
MORRIS, N. F., M.D., M.R.C.O.G., Obstetrics and Gynæcology
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NEIL, E., M.D., D.SC., Physiology
NEUBERGER, A., C.B.E., PH.D., M.D., F.R.S. Chemical Pathology
NICOL, T., D.SC., M.D., F.R.C.S.E., F.R.C.S., F.R.S.E., Anatomy
NIXON, W. C. W., C.B.E., M.D., F.R.C.S., F.R.C.O.G., Obstetrics and Gynæcology
PEARSE, A. G. E., M.A., M.D., F.R.C.P., Histochemistry
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PICHARD, H. M., M.R.C.S., L.R.C.P., F.D.S., Conservative Dentistry
PILCHER, R. S., M.S., M.R.C.P., F.R.C.S., Surgery
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POLANI, P. E., M.D., F.R.C.P., D.C.H., Pædiatric Research
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PROPHET, A. S., D.D.S., Dental Surgery
PRUNTY, F. T. G., M.A., M.D., F.R.C.P., Chemical Pathology
PRYCE, D. M., M.D., Morbid Anatomy
QUILLIAM, J. P., M.B., B.S., M.SC., Pharmacology
RAINS, A. J. H., M.S., L.R.C.P., F.R.C.S., Surgery
REID, D. D., D.SC., M.D., F.R.C.P., Epidemiology
RHODES, P., M.A., M.B., D.CHIR., F.R.C.O.G. F.R.C.S., D.(OBST.), R.C.O.G., Obstetrics and Gynæcology
RITHCIE, H. D., M.A. CH.M., F.R.C.S., Surgery
ROBERTS, J. E., PH.D., D.SC., F.INST.P., Physics as applied to Medicine
ROBSON, J. G., M.B., CH.B., D.A., F.F.A.R.C.S., Anæsthetics
ROBSON, J. M., D.SC., M.D., Pharmacology
ROSENHEIM, M. L., C.B.E., M.D., F.R.C.P., Medicine
RUSHTON, M. L., C.B.E., M.A., LL.D., M.D., F.D.S., Dental Medicine
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SCHILLING, R. S. F., M.D., D.P.H., D.I.H., Occupationsl Health
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SEDDON, Sir HERBERT, C.M.G., M.A., D.M., M.D., F.R.C.S., Orthopædics
SHACKMAN, R., M.B., B.S., F.R.C.S., Urology
SHERLOCK, SHEILA P. V., M.D., F.R.C.P., Medicine
SHOOTER, R. A., M.A., M.D., Bacteriology
SHOTTON, E., PH.D., F.R.I.C., Pharmaceutics
SILVER, P. H. S., M.B., B.S., PH.D., Embryology
SIMPSON, C. K., M.D., F.R.C.P., Forensic Medicine
SLACK, G. L., O.B.E., T.D., D.D.S., F.D.S., Dental Surgery
SLOME, D., M.B., CH.B., PH.D., F.R.C.S., Physiology
SMITH, J. F., B.A., M.B., B.CHIR., M.R.C.P., Morbid Anatomy
SMITHERS, D. W., M.D., F.R.C.P., D.M.R., Radiotheraphy
SPECTOR, W. G., M.A., M.B., B.CH., M.R.C.P. Pathology
STACEY, R. S., M.A., M.D., Pharmacology and Therapeutics
STAMP, Rt. Hon. Lord, M.A., M.B., B.CH., M.R.C.S., L.R.C.P., Bacteriology
STEINER, R. E., B.A.O., M.D., F.R.C.P., F.F.R., D.M.R.D., Diagnostic Radiology
STEWART, H. C., M.A., PH.D., M.D., M.R.C.P., Pharmacology
SYMMERS, W. ST.C., PH.D., M.D., F.R.C.P., Morbid Anatomy
TAYLOR, G. W., M.S., F.R.C.S., Surgery
THOMPSON, R. H. S., B.SC., M.A., D.M., Biochemistry
TIZARD, J. P. M., M.A., B.M., B.CH., F.R.C.P., Pædiatrics
TULLEY, W. J., B.D.S., F.D.S., PH.D., Orthodontics
WALLS, E. W., B.SC., M.D., F.R.S.E., Anatomy
WALTHER, D. P., M.R.C.S., L.R.C.P., M.D.S., Orthodontics
WALTON, W. S., G.M., B.HY., M.D., D.P.H., Public Health
WARWICK, R., B.SC., PH.D., M.D., Anatomy
WATERSON, A. P., M.D., M.R.C.P., Medical Microbiology
WEATHERALL, M., B.SC., M.A., D.M., Pharmacology
WELBOURNE, R. B., M.A., M.D., F.R.C.S., Surgery
WETHERBY-MEIN, G., B.A., M.D., Hæmatology
WILKINSON, A. W., CH.M., F.R.C.S., Pædiatric Surgery
WILLIAMS, R. T., PH.D., D.SC., Biochemistry
WILLIAMS, R. E. O., M.D., Bacteriology
WILSON, C., M.A., D.M., M.R.C.S., F.R.C.P., Medicine
WINDEYER, Sir BRIAN W., M.B., B.S., D.SC., F.R.C.P., F.R.C.S.E., F.F.R., D.M.R.E., Radiology-Therapeutics
WINNER, H. I., M.A., M.D., F.C.PATH., Bacteriology
WOLFF, O. H., M.A., M.D., F.R.C.P., D.CH., Child Health
WOODRUFF, A. W., M.D., F.R.C.P., D.T.M., AND H., Clinical Tropical Medicine
WOOTTON, I. D. P., M.A., M.B., B.CHIR., PH.D., Chemical Pathology
YOUNG, J. Z., M.A., D.SC., F.R.S., Anatomy
YOUNG, L., D.SC., F.R.I.C., Biochemistry
ZAIMIS, ELEANOR, M.D., Pharmacology

Faculty of Science:
ABERCROMBIE, M., F.R.S, Zoology
ALLEN, C. W., D.SC., Astronomy

ARNSTEIN, H. R. V., PH.D., D.SC., Biochemistry
ARTHUR, D. R., PH.D., D.SC., African History
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BALDWIN, E. H. F., PH.D., Biochemistry
BARNARD, G. A., M.A., Statistics
BARNARD, T., PH.D., Micropalæontology
BARNICOT, N. A., PH.D., Physical Anthropology
BARRER, R. M., SC.D., D.SC., F.R.I.C., F.R.S.E., F.R.S., Physical Chemistry
BARTLETT, M. S., M.A., D.SC., F.R.S., Statistics
BARTON, D. H. R., D.SC., SC.D., F.R.I.C., F.R.S., Organic Chemistry
BELLAMY, E. H., M.A., PH.D., Physics
BERGEL, F., D.PHIL.NAT., D.SC., F.R.I.C., F.R.S., Chemistry
BERNAL, J. D., M.A., F.R.S., Crystallography
BERTRAM, D. S., D.SC., PH.D., F.I.BIOL., Medical Entomology
BEVAN, E. A., M.A., PH.D., Botany
BLACKETT, P. M. S., C.H., M.A., SC.D., LL.D., F.INST.P., F.R.S., Physics
BLACKMAN, M., PH.D., D.PHIL., F.R.S., Physics
BOAG, J. W., D.SC., M.I.E.E., F.INST.P., Physics as applied to Medicine
BOHM, D. J., PH.D., Theoretical Physics
BONDI, H., M.A., F.R.S., Mathematics
BONNOR, W. B., D.SC., Mathematics
BOURNE, E. J., D.SC., F.R.I.C., Chemistry
BOYD, R. L. F., B.SC.(ENG.), PH.D.
BOYLAND, E., D.SC., Biochemistry
BRADLEY, D. C., PH.D., D.SC., Inorganic Chemistry
BRUCKSHAW, J. McG., M.SC., PH.D., Applied Geophysics
BUCKINGHAM, R. A., PH.D., Computing Science
BULLOUGH, W. S., D.SC., Zoology
BURGE, R. E., PH.D., Physics
BURHOP, E. H., S. PH.D., Physics
BURTON, H., D.SC., F.R.I.C., F.R.S.A., Chemistry
BUSVINE, J. R., D.SC., Entomology
BUTLER, C. C., PH.D., Physics
BUTLER, J. A. V., D.SC., F.R.S., Physical Chemistry
BUTLER, P. M., M.A., PH.D., Zoology
CHAIN, E. B., M.A., PH.D., D.PHIL., DR.PHIL., F.R.S., Biochemistry
CHAMPION, F. C., M.A., PH.D., F.INST.P., Experimental Physics
CHAPMAN, G., M.A., PH.D., Zoology
CLUNIE, J., B.SC., PH.D., Pure Mathematics
COLE, MONICA M., PH.D., Geography
COX, D. R., M.A., PH.D., Statistics
CRAIG, D. P., PH.D., D.SC., Chemistry, Theoretical Chemistry
CROOK, E. M., PH.D., Biochemistry
CROSS, K. W., M.B., B.S., D.SC., F.R.C.P., Physiology
DAVID, FLORENCE N., D.SC., Probability and Statistics
DAWES, B., D.SC., Zoology—Parasitology
DE LA MARE, P. B. D., D.SC., Chemistry
DOMB, C., M.A., PH.D., Theoretical Physics
DUNGEY, J. W., PH.D., Physics
EDELMAN, J., PH.D., Botany
EGGLESTON, H. G., SC.D., Mathematics
EHRENBERG, W., D.SC., Experimental Physics
ELLIOT, H., P.HD., Physics
ESTERMANN, R., D.SC., DR.NAT.SCI., Mathematics
EYSENCK, H. J., PH.D., D.SC., Psychology
FERRARO, V. C. A., PH.D., Mathematics
FISHER, M. E., PH.D., Physics
FOGG, G. E., PH.D., F.R.S., Botany
FOWDEN, L., B.SC., PH.D., G.R.S., Plant Chemistry
FOWLER, J. F., M.SC., PH.D., F.INST.P., Medical Physics
FOXON, G. E. H., M.A., M.SC., F.L.S., Biology
GARNHAM, P. C. C., M.D., D.SC., D.P.H., F.R.S., Medical Protozoology
GARTON, W. R. S., D.SC., Spectroscopy
GILL, S., B.A., PH.D., Computing Science
GILL, W. D., M.A., D.SC., Oil Technology
GODWARD, MAUD, B.E., PH.D., Botany
GOLD, V., PH.D., D.SC., Chemistry
GRAY, J. A. B., M.A., M.B., B.CHIR., SC.D., Physiology
GRIFFITH, J. S., M.A., SC.D., Applied Mathematics
GRUNEBERG, H., M.D., D.SC., F.R.S., Genetics
HALL, A. R., M.A., PH.D., History of Science and Technology
HARDING, D. C. W., M.A., Psychology
HARE, F. K., PH.D., Geography
HARRIS, H., M.A., M.D., Human Genetics
HASELWOOD, G. A. D., D.SC., F.R.I.C., Biochemistry
HAYMAN, W. K., M.A., SC.D., F.R.S., Pure Mathematics
HEWER, H. R., O.B.E., M.SC., Zoology
HEY, D. H., D.SC., F.R.S., Chemistry
HIRSCH, K. A., D.PHIL., PH.D., Pure Mathematics
HOLLINGWORTH, S. E., M.A., D.SC., Geology
HOLMES, W., PH.D., Agriculture
HUNT, J. N., M.D., D.SC., Psychology
INGOLD, C. T., D.SC., Botany
IVES, D. J. G., D.SC., Electrochemistry
JAMES, W. O., PH.D., D.PHIL., F.R.S., Botany
JONES, G. O., M.A., PH.D., Physics
JONES, H., PH.D., F.R.S., Mathematics
KEOGH, F. R., PH.D., Mathematics
KING, B. C., D.SC., Geology
KIRKALDY, J. F., D.SC., Geology
KLYNE, W., M.A., PH.D., D.SC., Chemistry
KNOX, J. A. C., M.D., Physiology
LACY, D., M.A., PH.D., Zoology and Comparative Anatomy
LAMERTON, L. F., PH.D., D.S.C, F.INST.P., Biophysics as applied to Medicine
LAWSON, A., D.SC., Organic Chemistry
LEWIS, D., D.SC., F.R.S., Botany
LONSDALE, Dame KATHLEEN, D.B.E., D.SC., F.R.S., Chemistry
LUDLAM, F. H., D.SC., Meteorology
MACCOLL, A., PH.D., D.SC., Chemistry
MCCREA, W. H., M.A., PH.D., D.SC., F.R.S., Mathematics
MCGEE, J. D., M.SC., PH.D., Applied Physics
MCILWAIN, H., D.SC., Biochemistry
MASSEY, Sir HARRIE S. W., PH.D., LL.D., D.SC., SC.D., F.R.S., Physics
MATTHEWS, P. T., M.A., PH.D., Theoretical Physics
MILES, H. W., D.SC., Horticulture
MILLER, D. J., PH.D., Chemistry
MILLOTT, N., D.SC., Zoology
MORGAN, W. T. J., C.B.E., D.SC., F.R.I.C., F.R.S., Biochemistry
MORRIS, C. J. O. R., M.SC., PH.D., F.R.I.C., Experimental Biochemistry
NEWELL, G. E., D.SC., Zoology
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RICHARDSON, H. O. W., D.SC., Physics
RIMINGTON, C., D.SC., F.R.S., Chemical Pathology
RODGER, A., M.A., Occupational Psychology
ROGERS, C. A., D.SC., F.R.S., Mathematics
ROGERS, D., PH.D., Chemical Crystallography
ROTBLAT, J., C.B.E., M.A., PH.D., D.SC., F.INST.P., Physics
ROTH, K. F., PH.D., Mathematics
SALAM, A., M.A., PH.D., F.R.S., Mathematics
SAUNDERS, L., PH.D., D.SC., Pharmaceutical Chemistry
SCHILD, H. O., PH.D., M.D., D.SC., Pharmacology
SCHWABE, W. W., PH.D., D.SC., Horticulture
SCORER, R. S., PH.D., Theoretical Mechanics
SEATON, M. J., PH.D., Physics
SELMAN, I. W., PH.D., Agricultural Botany
SEMPLE, J. G., M.A., PH.D., Mathematics
SHEPPARD, P. A., C.B.E., B.SC., F.INST.P., F.R.S., Meteorology
SIMONS, H. A. B., M.A., PH.D., Physics
SMITH, C. A. B., PH.D., Biometry
SONDHEIMER, E. H., M.A., PH.D., Mathematics
STEWARTSON, K. ,M.A., PH.D., F.R.S., Mathematics
STOCKER, B. A. D., M.D., Microbiology
STYLE, D. W. G., PH.D., Chemistry
SUMMERFIELD, A., B.SC.TECH., B.SC., Psychology
SUTTON, J., PH.D., Geology
SYKES, K. W., M.A., D.PHIL., Physical Chemistry
TAYLOR, J. H., A.M., PH.D., F.R.S., Geology
TAYLOR, S. J., PH.D., Mathematics
TOLANSKY, S., D.SC., D.I.C., F.R.S., Physics
TOMPKINS, F. C., PH.D., D.SC., F.R.S., Physical Chemistry
UBBELOHDE, A. R. J. P., C.B.E., D.SC., F.R.I.C., F.R.S., Thermodynamics
VALATIN, J. G., D.ING., D.SC., Theoretical Physics
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WARREN, F. L., M.A., D.SC., Biochemistry
WEBB, J. E., D.SC., Zoology
WEBB, J. S., PH.D., Applied Geochemistry
WEEDON, B. C. L., D.SC., Organic Chemistry
WEINER, J. S., M.A., M.SC., PH.D., M.R.C.S., M.R.C.P., Environmental Physiology
WELLS, G. P., M.A., SC.D., F.R.S. Zoology
WEST, T. S., PH.D., D.SC., Analytical Chemistry
WHALLEY, W. B., D.SC., F.R.I.C., Chemistry
WHATELEY, F. R., PH.D., Botany
WHELAN, W. J., PH.D., D.SC., F.R.I.C., Biochemistry
WHITTINGHAM, C. P., PH.D., Plant Physiology
WIDDAS, W. F., M.B., B.S., PH.D., D.SC., Physiology
WILKIE, D. R., M.D., M.R.C.P., Experimental Physiology
WILKINS, M. H. F., C.B.E., M.A., PH.D., F.R.S., Molecular Biology
WILKINSON, G., PH.D., F.R.S., Organic Chemistry
WILLIAMS, D., PH.D., D.SC., Mining Geology
WILSON, K. M., M.SC., PH.D., Botany
WOHLFARTH, E. P., D.SC., Theoretical Magnetism

WOOD, R. K. S., PH.D., Plant Pathology
WRIGHT, W. D., D.SC., Applied Optics
YUDKINS, J., M.A., B.SC., M.D., M.R.C.P., F.R.I.C., Nutrition

Faculty of Engineering:
ALCOCK, C. B., PH.D., Metallurgical Chemistry
ALEXANDER, J. M., PH.D.,D.SC., (ENG.) Engineering Plasticity
ANDERSON, J. C., M.SC., PH.D., Electrical Materials
ARGYRIS, J. H., D.E., D.SC.(ENG.), F.R.AE.S., Aeronautical Structures
ARNOLD, A. H. M., D.ENG., Electrical Engineering
BAKER, A. L. L., D.SC.(ENG.), Concrete Technology
BALL, J. G., B.SC., Physical Metallurgy
BARLOW, H. E. M., PH.D., F.R.S., Electrical Engineering
BISHOP, A. W., M.A., PH.D., D.SC.(ENG), Soil Mechanics
BISHOP, R. E. D., M.A., PH.D., D.SC.,(ENG) Mechanical Engineering
BLACK, R. A. L., B.SC., Mining
BRADSHAW, A. V., B.SC., Applied Metallurgy
BRAILSFORD, F., PH.D., Electrical Engineering
BROWN, J., M.A., PH.D., D.SC.(ENG.), D.SC., Electrical Engineering
BUCHANAN, C. D., C.B.E., B.SC.(ENG.), A.M.I.C.E., Transport Engineering
CHERRY, E. C., D.SC.(ENG.), Telecommunications
CHILVER, A. H., M.A., D.SC., Civil Engineering
DAVIES, M. W. H., M.SC., Electrical Engineering
DENBIGH, K. G., M.A., D.SC., F.R.I.C., F.R.S.E., F.R.S., Chemical Engineering Science
EILON, S., PH.D., Industrial and Management Engineering
FLEMING, M. G., PH.D., Mineral Technology
FORD, H., D.SC.(ENG.), Applied Mechanics
GABOR, D., DR.ING., F.R.S., Applied Electron Physics
GAYDON, A. G., D.SC., F.R.S., Molecular Spectroscopy
GREIG, J., M.SC.(ENG.), PH.D., M.I.E.E., Electrical Engineering
HALL, G. R., B.SC., F.R.I.C., Nuclear Technology
HOPKINSON, R. G., PH.D., Environmental Design and Engineering
JACKSON, Sir WILLIS, D.PHIL., D.SC., F.R.S., Electrical Engineering
JONES, C. W., M.SC., PH.D., Mathematics
KASTNER, L. J., M.A., Mechanical Engineering
KING, J. W. H., M.SC., Civil Engineering
LAITHWAITE, E. R., M.SC., PH.D., Heavy Electrical Engineering
LE FEVRE, E. J., B.SC.(ENG.), Mechanical Engineering
MURGATROYD, W., M.A., PH.D., Nuclear Engineering
NASH, J. D. T. L., M.A., M.A.I., Civil Engineering
NEAL, B. G., M.A. PH.D., Applied Science with special reference to Engineering
OWEN, P. R., M.SC., Aviation
PRATT, P. L., PH.D., Crystal Physics
RICHARDSON, F. D., D.SC., M.I.CHEM.E., M.I.M.M., Extraction Metallurgy
ROSE, H. E., D.SC.(ENG.), Powder Technology
ROSS, A. D., PH.D., A.M.INST.C.E., F.R.S.E., Civil Engineering
ROWE, P. N., PH.D., Chemical Engineering
ROWLINSON, J. S., M.A., D.PHIL., Chemical Technology
SARGENT, R. W., PH.D., D.I.C., Chemical Engineering
SAUNDERS, Sir OWEN A., M.A., M.SC., D.SC.(ENG.), M.I.MECH.E., F.INST.P., F.R.S., Mechanical Engineering
SKEMPTON, A. W., D.SC.(ENG.), D.I.C., M.I.C.E., F.G.S., F.R.S., Civil Engineering
SPAODING, D. B., PH.D., Heat Transfer
SPARKES, S. R., M.SC., PH.D., Engineering Structures
THOMPSON, E. H., O.B.E., B.A., F.R.I.C.S., Surveying and Photogrammetry
THRING, M. W., M.A., Mechanical Engineering
WATKINS, S. B., M.SC., F.R.I.C., Chemical Engineering
WESTCOTT, J. H., PH.D., Electrical Engineering
WHITE, C. M., D.SC.(ENG.), Fluid Mechanics and Hydraulic Engineering
YOUNG, A. D., O.B.E., M.A., F.R.AE.S., Aeronautical Engineering

Faculty of Economics and Political Science (including Commerce and Industry):
ALLEN, G. C., C.B.E., M.COM., PH.D., Political Economy
ALLEN, R. G. D., C.B.E., M.A., D.SC., (ECON.), F.B.A., Statistics
BAUER, P. T., M.A., Economics with special reference to Under-Developed Countries and Economic Development
BAXTER, W. T., B.COM., Accounting
BROWN, E. H. P., M.B.E., M.A., F.B.A., Economics of Labour
DAY, A. C. L., B.A., Economics
DEVONS, E., M.A., Commerce, with special reference to International Trade
DONNISON, D. V., B.A., Social Administration
DORE, R. P., B.A., Sociology with special reference to the Far East
DURBIN, J., M.A., Statistics
EDEY, H. C., B.COM., Accounting
EDWARDS, Sir RONALD S., K.B.E., B.COM., D.SC.(ECON.), Economics with special reference to Industrial Organisation
FISHER, F. J., M.A., Economic History
FOSTER, F. G., D.PHIL., Computational Methods
GOODWIN, G. L., B.SC.(ECON.), International Relations
GREAVES, H. R. G., B.SC.(ECON.), Political Science
HARRISON-CHURCH, R. J., PH.D., Geography
HIMMELWEIT, HILDEGARD T., M.A., PH.D., Social Psychology
JOHN, A. H., PH.D., Economic History
JONES, E., M.SC., PH.D., Geography
KIRK, J. H., C.B.E., B.COM., M.A., Marketing with special reference to Horticulture
MCKENZIE, R. I., PH.D., Sociology with special reference to Politics
MACRAE, D. G., M.A., Sociology
MAIR, L. P., M.A., PH.D., Applied Anthropology
MOSER, C. A., B.SC.(ECON.), Social Statistics
OAKESHOTT, M. J., M.A., Political Science
PENROSE, Mrs. E., M.A., PH.D., Economics with special reference to Asia
PHILLIPS, A. W. H., PH.D., Economic Science and Statistics
POPPER, Sir KARL R., M.A. PH.D., D.LIT., LL.D., F.B.A., Logic and Scientific Method
ROBERTS, B. C., M.A., Industrial Relations
ROBINSON, K., M.A., Commonwealth Affairs
SARGAN, J. D., B.A., Econometrics
SAYERS, R. S., M.A., F.B.A., Economics, with special reference to Money and Banking
SCHAPIRO, L. B., LL.B., Political Science with special reference to Russian Studies
SELF, P. J. O., M.A., Public Administration
SMELLIE, K. B. S., B.A., Political Science
SPRAOS, J., M.A., Political Economy
TITMUSS, R. M., D.SC., LL.D., Social Administration
WIBBERLEY, G. P., M.SC, PH.D., Rural Economy
WILES, P. J. DE LA F., M.A., Russian Social and Economic Studies
WISE, M. J., PH.D., Geography
YAMEY, B.S., B.COM., Economics

SCHOOLS OF THE UNIVERSITY

(Numbers given are appointed and recognised teachers, and students registered with the University)

I. Schools in receipt of U.G.C. Grants

(*a*) Non-Medical

Bedford College: Inner Circle, Regent's Park, N.W.1; f. in Bedford Square by Mrs. E. J. Reid in 1849, incorporated 1869, chartered January 11th, 1909, supplemental charters August 29th, 1911, September 10th, 1957, August 2nd, 1965.
Principal: Mrs. E. M. CHILVER, M.A.
Secretary: Miss K. E. SPEARS, B.A.

Number of teachers: 142, including 23 professors.
Number of students: 974.

DEANS:
Faculty of Arts: Prof. J. S. SPINK, M.A., D.UNIV.
Faculty of Science: Prof. B. C. KING, M.SC., PH.D., D.SC., F.R.S.E., F.G.S.

Birkbeck College: Malet Street, W.C.1; f. 1823; Charter of Incorporation March 17th, 1926.
Acting Master: Prof. E. H. WARMINGTON, M.A., F.R.HIST.S.
Secretary: A. J. CARAFFI, B.SC.
Registrar: J. D. MCCORMACK, B.A.

Number of teachers: 161, including 22 professors.
Number of students: 216 full-time, 1,450 part-time.

DEANS:
Faculty of Arts: Prof. D. W. HAMLYN, M.A.
Faculty of Science: Prof. W. G. OVEREND, D.SC., F.R.I.C.

Imperial College of Science and Technology: Prince Consort Road, South Kensington, S.W.7; formed 1907 by federation of Royal School of Mines, Royal College of Science, and City and Guilds College.
Rector: Sir PATRICK LINSTEAD, C.B.E., D.SC., D.I.C., HON. F.C.G.I., HON. M.I.M.M., F.R.S.
Secretary: M. J. DAVIES, C.M.G., O.B.E., M.A.
Registrar: E. F. CUTLIFFE, M.B.E., M.A.

Number of teachers: 551, including 67 professors.
Number of students: 3,114.

DEANS:

City and Guilds College: Prof. B. G. NEAL, M.A., PH.D., M.I.C.E., M.I.MECH.E., A.M.I.STRUCT.E.
Royal College of Science: Prof. R. M. BARRER, D.SC., SC.D., HON. A.R.C.S., F.R.I.C., F.R.S.
Royal School of Mines: Prof. J. SUTTON, PH.D., A.R.C.S., D.I.C.

King's College: Strand, W.C.2; f. 1829.
Principal: P. S. NOBLE, M.A., LL.D.
Dean: Rev. Canon S. H. EVANS, M.A., B.D.
Secretary: I. P. SHAW, M.A.
Registrar: A. DAVIES, M.A.
Library: *see* Libraries.
Number of teachers: 320, including 56 professors.
Number of students: 2,450.

DEANS:

Faculty of Arts: J. M. COCKING, M.A.
Faculty of Laws: G. D. NOKES, LL.D.
Faculty of Natural Sciences: F. C. CHAMPION, M.A., PH.D., F.INST.P.
Faculty of Medical Sciences: G. BROWNLEE, PH.D., D.SC.
Faculty of Engineering: H. E. ROSE, D.SC., PH.D., M.I.MECH.E., M.I.C.E., M.I.CHEM.E.
Faculty of Theology: The Rev. Canon S. H. EVANS, M.A., B.D.

London School of Economics and Political Science: Houghton Street, Aldwych, W.C.2; f. 1895.
Director: Sir SYDNEY CAINE, K.C.M.G., B.SC.(ECON.), LL.D.
Secretary: H. KIDD, M.A.
Number of teachers: 234.
Number of students: 3,347.
Publications: *Economica* (quarterly journal of economics, economic history, and statistics), *The British Journal of Sociology* (quarterly), *British Journal of Industrial Relations* (three times a year), *New Series, Reprints of Scarce Works on Political Economy, Monographs on Social Anthropology*, Papers on Soviet and East European Politics, Law and Economics.

Queen Elizabeth College: 61 Campden Hill Road, W.8; f. 1908.
Principal: Miss M. J. SARGEAUNT, M.A., B.LITT.
Secretary: Miss D. M. H. GRYLLS, B.A.
Number of teachers: 67.
Number of students: 429.
Library of 18,000 vols.
Publications: *Prospectus, Annual Report.*

Queen Mary College: Mile End Road, London, E.1; f. 1887.
Principal: Sir THOMAS CREED, K.B.E., M.C., Q.C., M.A., LL.D.
Registrar and Secretary: R. P. TONG, O.B.E., J.P., M.A.
Librarian: A. WHITWORTH, M.A.
Number of teaching staff: 169, including 21 professors.
Number of students: 1,502.
Publications: *Calendar, Prospectus, Annual Report.*

DEANS:

Faculty of Arts: Prof. D. M. BALME, C.M.G., D.S.O., D.F.C., M.A.
Faculty of Science: Prof. V. C. A. FERRARO, B.SC., PH.D., D.I.C.
Faculty of Engineering: Prof. W. MURGATROYD, M.A., PH.D.
Faculty of Law: Prof. F. R. CRANE, LL.B.

Royal Holloway College: Englefield Green, Surrey; f. 1883; opened by Queen Victoria in 1886; residential college for men and women.
Principal: Miss E. MARJORIE WILLIAMSON, M.SC., PH.D.
Secretary: R. HARDY, M.A., LL.B.
Registrar: Miss J. FULLER.
Number of teachers: 75, including 11 professors.
Number of students: 550.

Royal Veterinary College, The: Royal College Street, London, N.W.1; f. 1791.
Principal and Dean: Sir JOHN RITCHIE, C.B., M.R.C.V.S., D.V.S.M., F.R.S.E.
Secretary and Bursar: H. W. J. ADAMS, M.A., F.C.I.S.
Number of teachers: 60.
Number of students: 308.

School of Oriental and African Studies: University of London, W.C.1; f. 1916.
Director: Prof. C. H. PHILIPS, M.A., PH.D.
Secretary: Lt.-Col. H. MOYSE-BARTLETT, M.B.E., M.A., PH.D.
Number of teachers: 205, including 35 professors.
Number of full-time students (1963-64): 762 men and women.
Publications: *The Bulletin, Calendar, Annual Report.*

School of Pharmacy: 29-39 Brunswick Square, W.C.1; f. 1842.
Dean: F. HARTLEY, B.SC., PH.D., F.R.I.C.
Clerk to the Council and Secretary: G. SMYTHE, M.B.E., D.F.M., F.C.I.S.
Number of teachers: 40, including 6 professors.
Number of students: 230.

University College: Gower Street, W.C.1; f. 1826.
Provost: Sir IFOR EVANS, D.LIT.
Secretary: A. TATTERSALL, M.A.
Library: *see* Libraries.
Number of teachers: 540, including 76 professors.
Number of students: 4,100.
Publication: *Calendar.*

DEANS:

Faculty of Arts: J. HURSTFIELD, D.LIT.
Faculty of Science: D. LEWIS, D.SC., F.R.S.
Faculty of Laws: E. R. H. IVAMY, PH.D.
Faculty of Engineering: R. E. D. BISHOP, M.A., M.S., PH.D., D.SC., A.M.I.MECH.E., A.F.R.Ae.S.
Faculty of Medical Science: H. O. SCHILD, M.D., PH.D., D.SC.

Westfield College: Kidderpore Avenue, Hampstead, N.W.3; f. 1882; a residential college for men and women.
Principal: Mrs. PAMELA MATTHEWS, B.SC.(ECON.).
Secretary: W. L. BELL, M.B.E.
Registrar: Miss J. M. SIMS, M.A.
Number of teachers: 88, including 13 professors.
Number of students: 650.
Publications: *Prospectus, Annual Report.*

Wye College: Wye, Nr. Ashford, Kent; incorporating the South-Eastern Agricultural College (f. 1894) and Swanley Horticultural College (f. 1888); the original Wye College was founded by Archbishop Kempe on January 14th, 1447; residential.
Principal: D. SKILBECK, C.B.E., M.A.
Secretary: C. W. A. GARLAND, B.SC.
Registrar: A. G. PAGE, M.A.
Number of students: 240.

(*b*) Undergraduate Medical and Dental

Charing Cross Hospital Medical School: 62-65 Chandos Place, London, W.C.2; f. 1834.
Dean: S. J. R. REYNOLDS, M.A., M.B., B.CH., D.M.R.E.
Secretary: B. S. DREWE, E.R.D., T.D., M.A., LL.B., F.T.C.L.
Number of teachers: 84.
Number of students: 241.
Publications: *Charing Cross Hospital Gazette* (every term), *Annual Report.*

Guy's Hospital Dental School: St. Thomas's Street, London Bridge, S.E.1; f. 1888.
Dean: J. C. HOUSTON, M.D., F.R.C.P.
Secretary: W. F. COOK, F.C.C.S.
Number of students: 342 men, 75 women, total 417.

Guy's Hospital Medical School: St. Thomas's Street, London Bridge, S.E.1; f. 1725.
Dean: J. C. HOUSTON, M.D., F.R.C.P.
Secretary: W. F. COOK, F.C.C.S.
Number of students: 499 men, 73 women, total 572.

King's College Hospital Medical School: Denmark Hill, S.E.5; f. 1831.
Dean: D. I. WILLIAMS, M.B., B.S., F.R.C.P.
Secretary: W. F. GUNN, LL.B., F.C.I.S.
Number of teachers: 101 medical, 30 dental.
Number of undergraduate students: 180 medical, 93 dental.

London Hospital Medical College, The: Turner Street, E.1; f. 1785.
Dean: H. B. MAY, M.A., M.D., F.R.C.P.
Secretary: H. P. LAIRD, B.A.
Number of teachers: 162.
Number of students: 420 medical, 125 dental.
Publications: *The London Hospital Gazette* (five per year).

Middlesex Hospital Medical School: Mortimer Street, W.1; f. 1835.
Dean: Prof. Sir BRIAN WINDEYER, D.SC., M.B., M.R.C.P., F.R.C.S., F.F.R.
Secretary: K. V. MACQUIRE, O.B.E., B.A.
Number of students: 478.

Royal Dental Hospital of London, School of Dental Surgery: 32 Leicester Square, W.C.2; f. 1858.
Dean: Prof. R. B. LUCAS, M.D., M.R.C.P., F.C.PATH.
School Secretary: K. R. MCK. BIGGS, B.A.
Number of teachers: 60.
Number of students: 215.

Royal Free Hospital School of Medicine: 8 Hunter Street, Brunswick Square, W.C.1; f. 1874.
Dean: Miss FRANCES V. GARDNER, M.D., F.R.C.P.
Secretary: K. V. MACQUIRE, O.B.E., B.A.
Number of full-time teachers: 62, including 10 professors.
Number of students: 457.

St. Bartholomew's Hospital Medical College: West Smithfield, E.C.1; f. 1662.
Dean: J. W. COPE, M.B., B.CHIR., F.R.C.S.
Secretary: C. E. MORRIS, F.C.A.
Number of teachers: 78.
Number of students: 506 men, 124 women, total 630.

St. George's Hospital Medical School: Hyde Park Corner, S.W.1; f. 1752.
Dean: M. I. A. HUNTER, M.D., F.R.C.P.
Number of students: 150.

St. Mary's Hospital Medical School: Norfolk Place, Paddington, W.2; f. 1854.
Dean: G. B. MITCHELL-HEGGS, O.B.E., T.D., M.D., F.R.C.P.
Secretary: J. E. STEVENSON, LL.B.
Number of students: 450.

St. Thomas's Hospital Medical School: St. Thomas's Hospital, S.E.1; hospital f. 1106.
Dean: R. W. NEVIN, T.D., M.A., M.B., B.CHIR., F.R.C.S.
Secretary: V. H. WARREN, M.A.
Number of students: 425.

University College Hospital Medical School: University Street, W.C.1; f. 1827.
Dean: C. W. FLEMMING, C.B.E., D.M., M.CH., F.R.C.S.
Secretary: D. H. LLOYD MORGAN, B.A.
Number of teachers: 90.
Number of students: 294.

Westminster Medical School: Horseferry Road, Westminster, S.W.1; f. 1849.
Dean: R. I. S. BAYLISS, M.D., F.R.C.P.
Number of teachers: 80.
Number of students: approx. 200.

(*c*) Postgraduate Medical

British Postgraduate Medical Federation: Central Office: 18 Guilford Street, W.C.1; established by the University of London in 1945 for the further development of postgraduate medical education in London; admitted as a School of the University in 1947.
Director: Prof. Sir JAMES P. ROSS, Bt., K.C.V.O., LL.D., M.S., F.R.C.S.

INSTITUTES OF THE FEDERATION:

Postgraduate Medical School of London: Hammersmith Hospital, Ducane Road, Shepherd's Bush, W.12.
Dean: S. TAYLOR, D.M., M.CH., F.R.C.S.

Institute of Basic Medical Sciences: Royal College of Surgeons of England, Lincoln's Inn Fields, W.C.2.
Dean: E. G. MUIR, M.S., F.R.C.S.

Institute of Cancer Research: Royal Cancer Hospital, Fulham Road, S.W.3.
Dean: Prof. F. BERGEL, D.PHIL. NAT., D.SC., F.R.I.C., F.R.S.

Institute of Cardiology: 35 Wimpole Street, W.1 (associated with the National Heart Hospital, Westmoreland Street, W.1).
Dean: A. G. LEATHAM, M.B., B.CHIR., F.R.C.P.

Institute of Child Health: 30 Guilford Street, W.C.1.
Dean: G. H. NEWNS, M.D., F.R.C.P.

Institute of Dental Surgery: Eastman Dental Hospital, Gray's Inn Road, W.C.1.
Dean and Director of Studies: Prof. Sir ROBERT BRADLAW, C.B.E., LL.D., D.C.L., D.D.SC., F.R.C.S., F.D.S.R.C.S.

Institute of Dermatology: St. John's Hospital for Diseases of the Skin, Lisle Street, Leicester Square, W.C.2.
Dean: P. D. SAMMAN, M.D., F.R.C.P.

Institute of Diseases of the Chest: Brompton Hospital, Fulham Road, S.W.3.
Dean: J. R. BIGNALL, M.D., F.R.C.P.

Institute of Laryngology and Otology: The Royal National Throat, Nose and Ear Hospital, 330 Gray's Inn Road, W.C.1.
Dean: M. P. ELLIS, M.D., M.S., F.R.C.S.

Institute of Neurology: The National Hospital for Nervous Diseases, Queen Square, W.C.1.
Dean: J. W. D. BULL, M.A., M.D., F.R.C.P., F.F.R.

Institute of Obstetrics and Gynaecology: Chelsea Hospital for Women, Dovehouse Street, S.W.3; (associated also with the Hammersmith Hospital and Queen Charlotte's Maternity Hospital).
Dean: R. M. FEROZE, M.D., F.R.C.S., F.R.C.O.G.

Institute of Ophthalmology: Judd Street, W.C.1 (associated with the Moorfields Eye Hospital).
Dean: T. K. LYLE, C.B.E., M.A., M.D., M.CHIR., F.R.C.P., F.R.C.S.

Institute of Orthopædics: Royal National Orthopædic Hospital, 234 Great Portland Street, W.1.
Dean: A. T. FRIPP, B.M., F.R.C.S.

Institute of Psychiatry: Maudsley Hospital, Denmark Hill, S.E.5.
Dean: D. L. DAVIES, M.A., D.M., M.R.C.P., D.P.M.

Institute of Urology: 10 Henrietta Street, W.C.2 (associated with St. Peter's, St. Paul's and St. Philip's Hospitals).
Dean: A. C. C. HIGHAM, T.D., F.R.C.S.

London School of Hygiene and Tropical Medicine (incorporating the Ross Institute): University of London, Keppel Street, Gower Street, W.C.1; f. 1924, opened 1929.
Dean: E. T. C. SPOONER, M.A., M.D., F.R.C.P.
Library: *see* Libraries.
Number of teachers: 58.
Number of students: 600 (approx.).
Publications: *Memoir Series*, *The Journal of Helminthology*. The Bureau of Hygiene and Tropical Diseases, which is governed by a Committee appointed by the Secretary of State for the Colonies, and is housed on the School premises, publishes the *Bulletin of Hygiene*, the *Tropical Diseases Bulletin*, and a series of *Review Monographs*.

II. Schools not in receipt of U.G.C. Grants

King's College, Theological Department: Strand, W.C.2; f. 1846.
Dean: Rev. Canon S. H. EVANS, M.A., B.D.
Number of teachers: 15.
Number of students: 250.

Lister Institute of Preventive Medicine: Chelsea Bridge Road, S.W.1; and Elstree, Herts.; inc. 1891.
Director: Prof. A. A. MILES, C.B.E., M.A., M.D., F.R.C.P., F.R.S.

New College, London: 527 Finchley Road, Hampstead, N.W.3; formerly Hackney and New College; New College f. 1850, Hackney College f.

1871; united by Act of Parliament July 14th, 1924, as Hackney and New College, re-named 1936 (parent foundations date back to 1673).

Principal: Rev. C. S. DUTHIE, M.A., D.D.

Secretary: Miss M. A. CANNING.

Library: *see* Libraries.
Number of teachers: 4.
Number of students: 53.

Richmond College: Richmond, Surrey; f. 1843.

Principal: Rev. H. ROBERTS, M.A., PH.D., D.D.

Number of tutors: 5.
Number of students: 65.

UNIVERSITY INSTITUTES

Courtauld Institute of Art: 20 Portman Square, W.1; f. 1931.

Director: Prof. Sir ANTHONY BLUNT, K.C.V.O., M.A., PH.D., D.LITT., F.B.A., F.S.A.

Secretary: C. CLARE.

Number of teachers: 13.
Number of students: 156 full-time, 84 part-time.

Publication: *Journal of the Warburg and Courtauld Institutes* (twice yearly).

Institute of Advanced Legal Studies: 25 Russell Square, W.C.1; f. 1947; aims to provide a centre for post-graduate legal studies and legal research.

Director: Prof. J. N. D. ANDERSON, O.B.E., LL.D.

Secretary and Librarian: K. H. DRAKE, M.A.

Library of 80,000 volumes.

Institute of Archaeology: 31-34 Gordon Square, W.C.1; f. 1936.

Director: Prof. W. F. GRIMES, C.B.E., M.A., D.LITT., F.S.A., F.M.A.

Secretary: E. PYDDOKE, F.S.A.

Number of teachers: 17.
Number of students: 118.

Publications: *Annual Bulletin* and occasional papers.

Institute of Classical Studies: 31-34 Gordon Square, W.C.1; f. 1953; library of basic research books complemented by the library of the Hellenic and Roman Societies (joint library totals 40,000 volumes); research courses and seminars held for postgraduate students.

Director: Prof. R. P. WINNINGTON-INGRAM, M.A., F.B.A.

Publication: *Bulletin* (annual), *Bulletin Supplements* (occasional), *Studies in Mycenaean Inscriptions and Dialect* (annual).

Institute of Commonwealth Studies: 27 Russell Square, W.C.1; f. 1949; for postgraduate research workers, particularly in social sciences and recent history.

Director: (Vacant).

Secretary: T. E. SMITH, O.B.E., M.A.

Librarian: Mrs. V. J. BLOOMFIELD.

Institute of Computer Science: 44 Gordon Square, W.C.1; f. 1959.

Director: Prof. R. A. BUCKINGHAM, PH.D.

Secretary: Miss J. A. SPENCER, B.SC.

Computer Manager: A. A. ROBINSON, PH.D.

Institute of Education: Senate House, Malet Street, London, W.C.1; f. by London County Council as London Day Training College in 1902, transferred to control of University of London 1932.

Director: H. L. ELVIN, M.A.

Dean: Prof. W. R. NIBLETT, B.A., B.LITT.

Secretary: C. W. DIXON, B.LITT., M.A., PH.D.

Number of students: 1,630.

Publications: Studies and Reports, *World Year Book of Education, Studies and Reports I–XIV, Studies in Education I–VIII, Community Development Bulletin, Studies and Impressions, Handbook for Geography Teachers, Education and Philosophic Mind, External Examinations in Secondary Schools.*

Institute of Germanic Studies: 29 Russell Square, W.C.1; f. 1950 for postgraduate research.

Deputy Director: M. O'C. WALSHE, M.A.

Librarian: Mrs. L. M. NEWMAN, B.A.

Institute of Historical Research: Senate House, Malet Street, London, W.C.1; f. 1921.

Director: Prof. F. WORMALD, LITT.D., F.S.A., F.B.A.

Secretary and Librarian: A. T. MILNE, M.A.

Publications: *Annual Report, Bulletin of the Institute of Historical Research, Teachers of History in the Universities of the United Kingdom* (annual), *Victoria County History of England.*

School of Slavonic and East European Studies: University of London, W.C.1; f. 1916.

Director: G. H. BOLSOVER, O.B.E., M.A., PH.D.

Secretary/Registrar: R. G. H. WHITWORTH, B.A.

Number of teachers: 29, including 4 professors.
Number of students: 143 full-time, 40 part-time.

Publications: *The Slavonic and East European Review* (f. 1922; twice yearly).

Warburg Institute: Woburn Square, W.C.1; f. 1905 for the study of the history of the classical tradition.

Director: Prof. E. H. J. GOMBRICH, PH.D., M.A., F.B.A., F.S.A.

Publications: *Studies* (monographs), *Journal of the Warburg and Courtauld Institutes, Corpus Platonicum Medii Aevi, Mediaeval and Renaissance Studies.*

INSTITUTIONS WITH RECOGNISED TEACHERS

The following institutions, although not constituent bodies of the University, have some recognised teachers of the University of London on their staffs.

Battersea College of Technology.

Chelsea College of Science and Technology.

College of Estate Management.

East Malling Research Station.

Jew's College.

Northampton College of Advanced Technology.

Northern Polytechnic.

Sir John Cass College.

West Ham College of Technology.

Woolwich Polytechnic.

Schools of Music

Royal Academy of Music.

Royal College of Music.

Trinity College of Music.

Research Institutes

National Institute for Medical Research (*Medicine*).

Rothamsted Experimental Station (*Agriculture*).

TEACHERS' TRAINING COLLEGES

There are also two Teachers' Training Colleges, with some recognised teachers of the University of London where students may take degree courses.

Goldsmiths' College: Lewisham Way, New Cross, S.E.14; f. 1905.

Warden: D. R. CHESTERMAN, M.SC., PH.D., D.I.C.

Number of recognised teachers: 3; other full-time teachers 107. Number of registered internal students of the university 53; other students 1,185.

Library of 42,000 vols.

Maria Grey Training College: 300 St. Margaret's Road, Twickenham; f. 1878.

Principal: Miss B. E. DEAYTON, M.A.

Number of registered students: 420.

Library of 25,000 vols.

VICTORIA UNIVERSITY OF MANCHESTER

OXFORD ROAD, MANCHESTER, 13

Telephone: ARDwick 3333.

Founded 1903.

Chancellor: His Grace The DUKE OF DEVONSHIRE, P.C., M.C., J.P., D.L.

Vice-Chancellor: Sir WILLIAM M. COOPER, LL.M., LL.D.

Registrar: V. KNOWLES, M.A.

Bursar: R. A. RAINFORD, M.A., F.A.C.C.A.

Librarian: F. W. RATCLIFFE, M.A., PH.D.

The library contains over 770,000 volumes relating to all the faculties, including:

Medical Library: f. 1930; 112,881 volumes and more than 800 journals, etc.; *Librarian:* G. WILSON, M.A.

College of Technology Library: 55,000 volumes; *Librarian:* B. C. VICKERY.

Library for Deaf Education: f. 1919; 8,700 volumes.

Number of teachers (1964-65): 908 full-time.

Number of students (1964-65): 6,170 full-time, 472 part-time.

Publications: *Calendar, The Serpent* (once a term), *Medical School Gazette* (four or five times a year).

Nuffield Radio Astronomy Laboratories, Jodrell Bank: *see under* Research Institutes, Natural Sciences.

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Faculty of Law: Prof. B. A. WORTLEY, O.B.E., LL.D., DOCT. D'UNIV.
Faculty of Medicine: (Vacant).
Faculty of Music: Prof. H. D. WESTLAKE, M.A.
Faculty of Economic and Social Studies: Prof. B. R. WILLIAMS, M.A., M.A. (ECON.).
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Faculty of Technology: Prof. W. E. MORTON, M.SC.TECH., F.T.I.; *see* also Manchester College of Science and Technology.
Faculty of Education: Prof. R. A. C. OLIVER, M.A. B.ED., PH.D.

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BRADSHAW, E., M.B.E., PH.D., M.SC.TECH., M.I.E.E., Electrical Engineering
DEW, R. B., LL.B., M.A., F.C.A., M.B.I.M., Industrial Administration
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ENTWISTLE, K. M., M.SC., PH.D., Metallurgy
FRANCIS, J. D. R., B.SC.(ENG.), F.R.MET.S., A.M.I.C.E., Municipal Engineering
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HASZELDINE, R. N., D.SC., PH.D., M.A., M.SC.TECH., SC.D., F.R.I.C., Chemistry
JOHNSON, W., D.SC., A.M.I.TECH.E., Mechanical Engineering
KYNCH, G. J., PH.D., M.SC.TECH., A.R.C.S., D.I.C., Mathematics
KOENIGSBERGER, F., DIPL.ING., M.SC.TECH., D.SC., M.I.TECH.E., M.I.PROD.E., M.M.A.S.H.E., Machine Tool Engineering
LIPSON, H. S., D.SC., M.A., M.SC.TECH., F.INST.P., F.R.S., Applied Physics
MERCHANT, W., M.A., S.M., D.SC., A.M.I.C.E., M.I.STRUCT.E., A.M.I.MECH.E., Structural Engineering
MORTON, F., M.SC.TECH., PH.D., D.SC., F.R.I.C., M.I.CHEM.E., Chemical Engineering
MORTON, W. E., M.SC.TECH., F.T.I., Textiles
PETERS, R. H., B.SC., PH.D., Polymers and Fibre Science
RHODERICK, E. H., M.A., PH.D., F.INST.P., Solid-State Electronics
ROSS, T. K., M.SC., PH.D., M.I.CHEM.E., Chemical Engineering
VINCENT, J. J., M.SC., F.T.I., Textile Technology

Faculty of Education:
OLIVER, R A. C., M.A., PH.D., Education
TAYLOR, I. G., M.D., D.P.H., Audiology and Education of the Deaf
WALLER, R. D., C.B.E., M.A., Adult Education
WARBURTON, F. W., M.A., PH.D., Experimental Education
WEDELL, E. A. O. C., B.SC.(ECON.), Adult Education
WISEMAN, S., M.ED., Education

UNIVERSITY OF NEWCASTLE UPON TYNE

NEWCASTLE UPON TYNE, 1

Telephone: Newcastle 28511.

Founded 1851, incorporated as separate University in 1963.

Chancellor: His Grace the DUKE OF NORTHUMBERLAND, K.G., T.D., D.C.L., K.ST.J.

Vice-Chancellor: C. I. C. BOSANQUET, M.A., D.C.L., LL.D.

Deputy Vice-Chancellors: Prof. G. H. J. DAYSH, B.LITT., D.C.L., Prof. Lord WYNNE-JONES, D.SC., F.R.I.C., F.INST.F., Prof. A. G. R. LOWDON, O.B.E., M.A., M.B., CH.B., F.R.C.S.

Registrar: E. M. BETTENSON, M.A.

Librarian: W. S. MITCHELL, M.A., PH.D., A.L.C.M.

Number of teachers: 577, including 82 professors.

Number of students (1964-65): 3,384 men, 1,169 women, total 4,553.

Publications: *Calendar, Gazette, Riddell Memorial Lectures, Earl Grey Memorial Lectures, William Henry Charlton Memorial Lectures.*

DEANS:

Faculty of Medicine: Prof. A. G. R. LOWDON, O.B.E., M.A., M.B., CH.B., F.R.C.S.
Faculty of Arts: Prof. H. L. HUDSON-WILLIAMS, B.A., M.A.
Faculty of Science: Prof. G. S. RUSHBROOKE, M.A., PH.D., F.R.S.E.
Faculty of Applied Science: Prof. J. M. COULSON, M.A., PH.D., D.I.C., M.I.CHEM.E.
Faculty of Economic and Social Studies: Prof. S. R. DENNISON, C.B.E., M.A.
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Faculty of Agriculture: Prof. M. McG. COOPER, B.AGR.SC., B.LITT., DIP.RUR. ECON., F.R.S.E.
Faculty of Education: Prof. B. STANLEY, M.A.

PROFESSORS:

Faculty of Arts:
BARROW, G. W. S., M.A., B.LITT., Medieval History
BRENIKOV, P., M.A., DIP.ED., A.M.T.P.I., Town and Country Planning
BRITTON, K. W., M.A., A.M., Philosophy
BURN, W. L., M.A., J.P., Modern History
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FLETCHER, G. B. A., M.A., Classics and Ancient History
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MAXWELL, J. C., M.A., English
MENNIE, D. M., M.A., DR.PHIL., German
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ROWNTREE, K., M.A., Fine Art
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URE, P., M.A., English Language and Literature
YARROW, P. J., M.A.(CANTAB.), D.U.(PARIS), French

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COLLINSON, P. C., PH.D., M.A., Social Studies
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HARPER, A. A., M.A., M.D., CH.B., F.R.S.E., Physiology
HEPPLESTON, A. G., D.SC., M.D., CH.B., M.R.C.P., F.C.PATH., Pathology
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POTTS, E. L. J., M.SC., F.R.I.C.S., M.I.MIN.E., Mining Engineering
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THORNTON, J. D., PH.D., F.R.I.C., M.I.CHEM.E., Chemical Engineering
WILLIAMS, T. E. H., M.SC., PH.D., A.M.I.C.E., A.M.I.STRUCT.E., M.INST.H.E., Highway and Traffic Engineering

Faculty of Agriculture:
ARNOLD, P. W., M.A., PH.D., Soil Science
ASHTON, J., M.A., M.S., Agricultural Economics
CARPENTER, E. M., M.A., Agricultural Marketing
COOPER, M. McG., C.B.E., B.AGR.SC., B.LITT., DIP.RUR., ECON. F.R.S.E., Agriculture and Rural Economy
WILLIAMS, W., D.SC., Plant Science

Faculty of Education:
TUCK, J. P., M.A., Education

Institute of Education:
STANLEY, B., M.A., *Director*

UNIVERSITY OF NOTTINGHAM

UNIVERSITY PARK, NOTTINGHAM

Telephone: 56101.
Telegraphic Address: University, Nottingham.

Founded 1948.

Chancellor: His Grace The DUKE OF PORTLAND, K.G., LL.D.
Pro-Chancellors: W. G. BRIGGS, M.A., LL.D., and Ald. Sir FRANCIS HILL, C.B.E., M.A., LL.M., LITT.D., LL.D.
Vice-Chancellor: F. S. DAINTON, M.A., D.SC., F.R.S.
Registrar: A. PLUMB, M.A.
Librarian: R. S. SMITH, PH.D., F.L.A.

The library contains 221,000 volumes, 83,500 pamphlets.

Number of teachers: 359, including 48 professors.

Number of students (1964-65): 2,475 men, 1,047 women, total 3,552.

Publications: *Calendar* (yearly), *Prospectuses* (yearly), *Gazette* (three times yearly).

DEANS:

Agriculture and Horticulture: P. HUDSON, G.M., M.B.E., M.SC., PH.D.
Arts: I. C. B. KEYS, M.A., D.MUS., F.R.C.O.
Applied Science: R. C. COATES, PH.D.
Education: H. C. WILTSHIRE, M.A.
Law and Social Sciences: F. A. WELLS, O.B.E., B.SC.(ECON.), PH.D.
Pure Science: K. W. H. STEVENS, M.A., D.PHIL.

PROFESSORS:

ADDISON, C. C., PH.D., D.SC., F.R.I.C., F.INST.P., Inorganic Chemistry
ANDREW, E. R., M.A., PH.D., F.INST.P., F.R.S.E., Experimental Physics
BARRINGTON, E. J. W., M.A., D.SC., F.L.S., F.Z.S., Zoology
BEURLE, R. L., PH.D., Electronic Engineering
BOULTON, J. T., PH.D.
BRITTON, D. K., M.A., Agricultural Economics
CAMERON, K., PH.D., English Language
CHESTERS, C. G. C., M.SC., PH.D., F.R.S.E., F.L.S., Botany
COATES, R. C., PH.D., Civil Engineering
COATS, A. W., M.SC.(ECON.), PH.D., Economic History
CUTHBERTSON, J. W., D.SC., Metallurgy
DAVIES, H., J.P., M.A., Education
EDWARDS, K. C., M.A., PH.D., F.R.G.S., Geography
ELEY, D. D., PH.D., SC.D., F.R.S., Physical Chemistry
EVANS, W. D., M.SC., PH.D., A.M.I.M.E., M.I.M.M., F.L.S., F.R.G.S., F.G.S., Geology
GARNER, J. F., LL.M., Public Law
GOULD, S. J., M.A., Sociology
GRANGER, C. W. J., PH.D., Applied Statistics and Econometrics
HALBERSTAM, H., M.SC., PH.D., Pure Mathematics
HALL, G. G., M.A., PH.D., Applied Mathematics
HANSON, Rev. R. P. C., M.A., D.D., Theology
HARRISON, J., M.A., Philosophy
HAYCOCKS, N., M.A., Education
HEGINBOTHAM, W. B., M.SC.TECH., PH.D., Production Engineering
HINSLEY, F. B., D.SC., Mining and Fuels
HOLT, J. C., M.A., D.PHIL., Medieval History
HOWARTH, C. I., M.A., D.PHIL., Psychology
HUDSON, J. P., M.B.E., G.M., M.SC., PH.D., Horticulture
IVINS, J. D., M.SC.(AGRIC.), PH.D., Agriculture
JOHNSON, A. W., M.A., PH.D., SC.D., F.R.S., Organic Chemistry
JONHSTONE, R. E., D.SC., Chemical Engineering
KEYS, I. C. B., M.A., D.MUS., F.R.C.O., Music
KING, K. C., M.A., PH.D., German
KINSLEY, J., M.A., PH.D., English
KOENIGSBERGER, H. G., M.A., PH.D., History
LAMMING, G. E., M.S., PH.D., Animal Physiology
LEWIS, D., M.A., M.SC., PH.D., Agricultural Chemistry
LING, A., B.ARCH., F.R.I.B.A., M.T.P.I., Architecture
MARSH, D. C., M.COM., Social Science
MILTHORPE, F. L., M.SC.AGR., PH.D., Agricultural Botany
PARTON, J. E., PH.D., Electrical Engineering
PARTRIDGE, M. W., PH.D., F.P.S., Pharmaceutical Chemistry
SMART, P. A. M., M.A., Fine Art
SMITH, A. G., A.R.C.S., D.I.C., Thermodynamics
SMITH, J. C., M.A., LL.D., Common Law
SPENCER, A. J. M., M.A., PH.D., Theoretical Mechanics
STEVENS, K. W. H., M.A., D.PHIL., Theoretical Physics
TATE, R. B., M.A., PH.D., Spanish
TEW, J. H. B., PH.D., Economics
THOMPSON, E. A., M.A., F.B.A., Classics
THORPE, L., PH.D., L. ÈS. L., D.DE L'UNIV., French
TREASE, G. E., D. DE L'UNIV., Pharmacognosy
WARBURTON, G. B., M.A., PH.D., Applied Mechanics
WELLS, F. A., O.B.E., PH.D., Industrial Economics
WILTSHIRE, H. C., M.A., Adult Education

UNIVERSITY OF OXFORD

OXFORD, ENGLAND

Telephone: 48491.
Telegraphic Address: University Registry, Oxford.

Founded in the 13th Century.

Chancellor: Rt. Hon. H. MACMILLAN, P.C., D.C.L.
Vice-Chancellor: K. C. WHEARE, C.M.G., M.A., D.LITT., F.B.A.
Registrar: Sir FOLLIOTT H. SANDFORD, K.B.E., C.M.G., M.A.
Secretary of Faculties: C. H. PATERSON, M.A.

Library: *see* Bodleian Library under Libraries.

Ashmolean Museum: *see* Museums.

Number of teachers: about 900, including 108 professors.

Number of students (1964-65): 9,391.

Publication: *Oxford University Gazette.*

UNIVERSITY TEACHING OFFICERS:

Faculty of Theology:

PROFESSORS:

CHADWICK, H., D.D., Divinity—Regius
CROSS, F. L., D.PHIL., D.D., Divinity
DEMANT, V. A., M.A., D.LITT., Moral and Pastoral Theology—Regius
GREENSLADE, S. L., D.D., Ecclesiastical History—Regius
KILPATRICK, G. D., D.D., Exegesis of Holy Scripture
McHARDY, W. D., M.A., D.PHIL., Hebrew—Regius
RAMSEY, I. T., M.A., Philosophy of Christian Religion
SPARKS, H. F. D., D.D., Interpretation of Holy Scripture

Faculty of Law:

PROFESSORS:

CROSS, A. R. N., D.C.L., English Law
DAUBE, D., D.C.L., Civil Law—Regius
HART, H. L. A., M.A., Jurisprudence
KAHN-FREUND, O., M.A., Comparative Law
WADE, H. W. R., D.C.L., English Law
WALDOCK, Sir CLAUD H. M., D.C.L., Public International Law

READERS:

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NICHOLAS, J. K. B. M., M.A., Roman Law
TREITEL, G. H., M.A., English Law

Faculty of Medicine:

PROFESSORS:

ABRAHAM, E. P., M.A., D. PHIL., Chemical Pathology
ALLISON, P. R., D.M., Surgery
BEESON, P. B., M.A., Clinical Medicine
DUTHIE, R. B., M.A., F.R.C.S., Orthopædic Surgery
HARRIS, G. W., D.M., F.R.S., Anatomy
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MACFARLANE, R. G., M.A., Clinical Pathology
MOIR, J. C., D.M., Obstetrics and Gynæcology
PATON, W. D. M., D.M., Pharmacology
PICKERING, Sir GEORGE W., D.M., Medicine—Regius
SMITH, A. C., M.A., Anæsthetics

READERS:

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BULBRING, EDITH, M.A., Pharmacology
GLADSTONE, G. P., M.A., Bacteriology
ING, H. R., M.A., D.PHIL., Chemical Pharmacology
PIRIE, Mrs. ANTOINETTE, M.A., Ophthalmology
ROBB-SMITH, A. H. T., M.A., Pathology
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BLEANEY, B., M.A., D.PHIL., F.R.S., Experimental Philosophy
FOX, L., M.A., D.PHIL., D.SC., Numerical Analysis
HODGKIN, Mrs. DOROTHY M., O.M., M.A., Wolfson Research Professor of the Royal Society
HOLDER, D. W., M.A., Engineering Science
HUME-ROTHERY, W., M.A., D.SC., Metallurgy
JONES, Sir EWART R. H., M.A., Chemistry
KEMP, W. S., M.A., Structural Engineering
PEIERLS, R. E., M.A., Physics
PERKINS, D. H., M.A., Elementary Particle Physics
POWELL, H. M., M.A., Chemical Crystallography
RICHARDS, R. E., M.A., D.PHIL., Chemistry
THOMPSON, H. W., M.A., D.SC., Chemistry
THOMPSON, W. B., M.A., Theoretical Plasma Physics
WILKINSON, D. H., M.A., Experimental Physics

READERS:

BELL, R. P., M.A., Physical Chemistry
BOMFORD, G., M.A., D.SC., Surveying and Geodesy
CHRISTIAN, J. W., M.A., D.PHIL., Metallurgy
ELLIOTT, R. J., M.A., D.PHIL., Theoretical Physics
HOUGHTON, J. T., M.A., D.PHIL., Atmospheric Physics
KUHN, H. G., M.A., Physics
KURTI, N., M.A., Physics
MENDELSSOHN, K. A. G., M.A., Physics
MOTZ, H., M.A., Engineering Science
SMITH, H. C., M.A., D.SC., Organic Chemistry
STAVELEY, L. A. K., M.A., D.SC., Inorganic Chemistry
SUTTON, L. E., M.A., D.PHIL., Physical Chemistry
TAYLOR, J. C., M.A., D.PHIL., Theoretical Physics
TER HAAR, D., M.A. D.SC., Theoretical Physics
WATERS, W. A., M.A., Physical Organic Chemistry

Faculty of Biological Sciences:

PROFESSORS:

BROWN, Sir GEORGE L., C.B.E., M.A., F.R.C.P., F.R.S., Physiology
DARLINGTON, C. D., M.A., F.R.S., Botany
FORD, E. B., M.A., D.SC., F.R.S., Ecological Genetics
KREBS, Sir HANS A., M.A., F.R.S., Biochemistry
PRINGLE, J. W. S., M.B.E., M.A., D.SC., F.R.S., Zoology
VARLEY, G. C., M.A., Zoology (Entomology)
WAGER, L. R., M.A., F.R.S., Geology

READERS:

BAILEY, N. T. J., M.A., D.SC., Biometry
BAKER, J. R., M.A., D.PHIL., D.SC., Cytology
CARTER, C. W., M.A., Biochemistry
COXON, R. V., M.A., D.PHIL., Human Physiology
ELTON, S. C., M.A., Animal Ecology
LACK, D. L., M.A., D.SC., Ornithology
PHILLIPS, C. G., D.M., Neurophysiology
O'BRIEN, J. R. P., M.A., Clinical Biochemistry
SANDFORD, K. S., M.A., D.PHIL., D.SC., Geology
TINBERGEN, N., M.A., Animal Behaviour
WARBURG, E. F., M.A., Plant Taxonomy
ZUSSMAN, J., M.A., D.PHIL., Mineralogy

Faculty of Social Studies:

PROFESSORS:

BELOFF, M., B.LITT., M.A., Government and Public Administration
BERLIN, Sir ISAIAH, C.B.E., M.A., F.B.A., Social and Political Theory
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HEADLAM-MORLEY, AGNES, M.A., International Relations
JEWKES, J., M.A., Economic Organisation
KIRKWOOD, K., M.A., Race Relations
MATTHEWS, R. C. O., M.A., Political Economy

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JACKSON, E. F., M.A., Institute of Economics and Statistics

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HARROD, Sir HENRY R. F., M.A., International Economics
HARTWELL, R. M., M.A., D.PHIL., Recent Social and Economic History
MADEEN, A. F., M.A., D.PHIL., Commonwealth Government
MUNBY, D. L., M.A., Economics and Organisation of Transport

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WILSON, B. R., M.A., Sociology

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HAWKES, C. F. C., M.A., European Archæology

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READER:

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CHORAGUS:

WATSON, S., M.A., D.MUS.

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LAURIE, M. V., M.A., Forestry

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NYE, P. H., M.A., Soil Science

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PROFESSOR:

OLDFIELD, R. C., M.A., F.B.PS.S., Psychology

Faculty of Mathematics:

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COULSON, C. A., M.A., F.R.S., Mathematics
HIGMAN, G., M.A., D.PHIL., Pure Mathematics
TEMPLE, G. F. J., C.B.E., M.A., F.R.S., Natural Philosophy

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WOODS, L. C., M.A., D.PHIL., D.SC., Applied Mathematics

Fine Art:

PROFESSORS:

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WIND, E., M.A., History of Art

Department of Education:

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READER:

LOUKES, H., M.A.

COLLEGES, HALLS

University College: f. 1249.
Master: Sir JOHN P. R. MAUD, G.C.B., C.B.E., M.A.

Balliol College: f. 1263.
Master: J. E. C. HILL, M.A.

Merton College: f. 1264.
Warden: A. R. W. HARRISON, C.B.E., M.A.

St. Edmund Hall: f. *ca.* 1278.
Principal: Rev. Canon J. N. D. KELLY, D.D.

Exeter College: f. 1314.
Rector: K. C. WHEARE, C.M.G., M.A., D.LITT., F.B.A.

Oriel College: f. 1326.
Provost: K. C. TURPIN, M.A.

The Queen's College: f. 1340.
Provost: Sir HOWARD W. FLOREY, M.A., F.R.C.P., P.R.S.

New College: f. 1379.
Warden: Sir WILLIAM G. HAYTER, K.C.M.G., M.A.

Lincoln College: f. 1427.
Rector: W. F. OAKESHOTT, M.A., F.S.A.

All Souls College: f. 1438.
Warden: J. H. A. SPARROW, O.B.E., M.A.

Magdalen College: f. 1458.
President: T. S. R. BOASE, M.C., M.A., HON. D.C.L., F.B.A.

Brasenose College: f. 1509.
Principal: Sir NOEL F. HALL, M.A.

Corpus Christi College: f. 1517.
President: W. F. R. HARDIE, M.A.

Christ Church: f. 1546.
Dean: Very Rev. C. A. SIMPSON, D.D.

Trinity College: f. 1554.
President: A. L. P. NORRINGTON, M.A.

St. John's College: f. 1555.
President: J. D. MABBOTT, C.M.G., M.A.

Jesus College: f. 1571.
Principal: J. T. CHRISTIE, M.A.

Wadham College: f. 1612.
Warden: Sir CECIL M. BOWRA, M.A., D.LITT., F.B.A.

Pembroke College: f. 1624.
Master: R. B. MCCALLUM, M.A.

Worcester College: f. 1714.
Provost: The Rt. Hon. Lord FRANKS, G.C.M.G., K.C.B., C.B.E., F.B.A., M.A., HON. D.C.L.

St. Catherine's College: f. 1868, reconstituted as a full College 1962.
Master: A. L. C. BULLOCK, M.A.

Keble College: f. 1870.
Warden: Rev. A. M. FARRER, D.D.

Hertford College: f. 1874.
Principal: Sir ROBERT HALL, K.C.M.G., C.B., M.A.

St. Peter's College: f. 1929 as St. Peter's Hall.
Master: Rev. J. P. THORNTON-DUESBERY, M.A.

Nuffield College: f. 1937.
Warden: D. N. CHESTER, C.B.E., M.A.

St. Antony's College: f. 1950.
Warden: F. W. D. DEAKIN, D.S.O., M.A.

Linacre College: f. 1962, as Linacre House.
Principal: J. B. BAMBOROUGH, M.A.

St. Cross College: f. 1965.
Principal: Dr. W. E. VAN HEYNINGEN.

Iffley College: f. 1965.

PERMANENT PRIVATE HALLS

Mansfield College: f. 1885.
Principal: Rev. J. MARSH, M.A., D.PHIL.

Campion Hall: f. 1896.
Master: Rev. H. D. HANSHELL, M.A.

St. Benet's Hall: f. 1897.
Master: Rev. C. L. J. FORBES, M.A.

Regent's Park College: f. 1810.
Principal: Rev. G. H. DAVIES, M.A.

Greyfriars: f. 1910.
Warden: Very Rev. P. E. L. PEACOCK, M.A., D.MUS.

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Principal: LUCY S. SUTHERLAND, C.B.E., M.A., D.LITT., F.B.A.

Somerville College: f. 1879.
Principal: Dame JANET M. VAUGHAN, D.B.E., D.M.

St. Hugh's College: f. 1886.
Principal: KATHLEEN M. KENYON, C.B.E., M.A., D.LITT., F.B.A., F.S.A.

St. Hilda's College: f. 1893.
Principal: Mrs. MARY L. SOMERVILLE BENNETT, M.A.

St. Anne's College: f. 1893 (as Society of Oxford Home Students).
Principal: Lady OGILVIE, M.A.

Queen Elizabeth House: f. 1954; a centre for Commonwealth Studies.
Warden: L. C. WILCHER, C.B.E., B.LITT., M.A.

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Telephone: 81771.

University Extension College established 1892; University Charter granted 1926.

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Deputy Vice-Chancellor: Prof. A. GRAHAM, M.A., D.SC.
Registrar: J. F. JOHNSTON, B.A.
Bursar: E. H. CARPENTER, F.C.A.
Librarian: D. T. RICHNELL, M.A., F.L.A.

Number of volumes in the library is over 250,000.

Number of teachers: 310, including 37 professors.

Number of students (Oct. 1964): 1,333 men, 911 women, total 2,244.

Publications: *University Calendar* (September), *University Gazette* (three times yearly), *Abstracts of Theses* (annually).

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Faculty of Agriculture: Prof. A. H. BUNTING, M.SC., D.PHIL.

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BOLTON, W. F., A.M., PH.D., English
CAMPBELL, P. W., M.A., Politics
DOBINSON, C. H., M.A., Education
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GORDON, D. J., M.A., PH.D., F.R.HIST.S., English
HODGES, H. A., M.A., D.PHIL., Philosophy
HUNT, J. N., PH.D., D.I.C., A.R.C.S., Applied Mathematics
LEHMANN, A. G., M.A., D.PHIL., French
MENEGHELLO L., D.FIL., Italian
MILLER, T. G., T.D., M.A., Geography
PALMER, F. R., M.A., Linguistic Science
PICKERING, F. P., PH.D., German
RADO, R., PH.D., DR.PHIL., Mathematics
ROGERS, C. M., O.B.E., Fine Art
VERNON, MAGDELEN D., M.A., SC.D., Psychology
WOODHAM, R., D.MUS., F.R.C.O., A.R.C.M., Music

Faculty of Science:

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BRYCE-SMITH, D., D.SC., Organic Chemistry
DITCHBURN, R. W., M.A., PH.D., F.R.S., Physics
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FELGETT, P. B., M.A., PH.D., F.R.S.E., Applied Physical Sciences
GRAHAM, A., M.A., D.SC., Zoology
GUGGENHEIM, E. A., M.A., SC.D., F.R.S., Physical and Inorganic Chemistry
HARRIS, T. M., M.A., PH.D., F.R.S., Botany
HUNT, J. N., PH.D., D.I.C., A.R.C.S., Applied Mathematics
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MITCHELL, E. W. J., M.SC., PH.D., Physical Properties of Materials
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UNIVERSITY OF ST. ANDREWS

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Number of students (1964–65): 2,308 men, 1,159 women, total 3,467.

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WILLIAMS, G. W., M.A., Humanity
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Number of students: 1,517.

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Number of teachers: 10.
Number of students: 37.

Queen's College: Dundee.
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Number of teachers: 351.
Number of students: 1,718.

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SHEFFIELD, 10

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TUPLIN, W. A., D.SC., M.I.MECH.E., A.I.LOCO.E., Applied Mechanics
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KAY, H., M.A., PH.D., Psychology
KELSALL, R. K., M.A., Sociological Studies
MARSHALL, O. R., M.A., PH.D., Law
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POLLARD, S., PH.D., Economic History
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WOOD, J. C., LL.M., Law

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PAGE, J. K., B.A., Building Science

UNIVERSITY OF SOUTHAMPTON

HIGHFIELD, SOUTHAMPTON

Telephone: 56331.

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Deputy Vice-Chancellor: Prof. H. C. BALDRY, M.A.

Treasurer: A. R. AVENS, F.C.A.

Secretary and Registrar: R. N. M. ROBERTSON, M.A.

Academic Registrar: Miss M. W. PRICE WHITE, B.A.

Librarian: B. M. BLAND, M.COM.

The library consists of approx. 180,000 books and periodicals.

Number of teaching staff: 291 including 43 professors.

Number of students (1964-65): 2,490.

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Faculty of Education: Prof. F. W. WAGNER, M.A.

Faculty of Law: J. F. WILSON, M.A.

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BROMLEY, J. S., M.A., F.R.HIST.S., Modern History
DAVIES, E. T., D.SC., PH.D., D.MATH., Pure Mathematics
EVANS, P. A., M.A., D.MUS., F.R.C.O., Music
GLENDINNING, O. N. V., M.A., PH.D., Spanish
GRIFFITHS, H. B., M.SC., PH.D., Pure Mathematics
HACKETT, C. A., M.A., DR. DE L'UNIV. DE PARIS, French
JAHN, H. A., M.SC., PH.D., Applied Mathematics
LUCAS, W. I., M.A., PH.D., German
MACIVER, A. M., M.A., Philosophy
MONKHOUSE, F. J., M.A., D.SC., Geography
PRINCE, F. T., M.A., English
ROOT, H. E., M.A., Theology
ROTHWELL, H., PH.D., F.R.HIST.S., History
THWAITES, B., M.A., PH.D., Mathematics—Theoretical Mechanics

Faculty of Science:
BRENT, L., B.SC., PH.D., F.I.BIOL., Zoology
COOKSON, R. C., M.A., PH.D., F.R.I.C., Chemistry
DAVIES, E. T., D.SC., PH.D., D.MATH., Pure Mathematics
GAMBLING, W. A., B.SC., PH.D., M.I.E.R.E., A.M.I.E.E., Electronics
GRIFFITHS, H. B., M.SC., PH.D., Pure Mathematics
HILLS, G. J., D.SC., PH.D., F.R.I.C., Physical Chemistry
HODSON, F., PH.D., F.G.S., Geology
HUTCHINSON, G. W., M.A., PH.D., Physics
JAHN, H. A., M.SC., PH.D., Applied Mathematics
MONKHOUSE, F. J., M.A., D.SC., Geography
MUNDAY, K. A., PH.D., Physiology and Biochemistry
RAYMONT, J. E. G., A.M., D.SC., Oceanography
SIMS, G. D., D.I.C., M.SC., PH.D., A.M.I.E.E., Electronics
TAYLOR, A. M., M.A., PH.D., F.INST.P., Physics
THWAITES, B., M.A., PH.D., Mathematics—Theoretical Mechanics
WILLIAMS, W. T., A.R.C.S., PH.D., D.SC., D.I.C., F.L.S., F.I.BIOL., Botany
(Vacant—Zoology)

Faculty of Engineering:
BLACK, A. N., M.A., M.I.MECH.E., Mechanical Engineering
DAVIES, E. T., D.SC., PH.D., D.MATH., Pure Mathematics
GAMBLING, W. A., B.SC., PH.D., M.I.E.R.E., A.M.I.E.E., Electronics
GRIFFITHS, H. B., M.SC., PH.D., Pure Mathematics
HAMMOND, P., M.A., M.I.E.E., A.M.I.MECH.E., Electrical Engineering
JAHN, H. A., M.SC., PH.D., Applied Mathematics
LILLEY, G. M., M.SC.(ENG.), F.R.AE.S., A.M.I.MECH.E., Aeronautics and Astronautics
MORICE, P. B., D.SC., PH.D., M.I.C.E., M.I.STRUCT.E., Civil Engineering
RICHARDS, E. J., O.B.E., M.A., D.SC. F.R.AE.S. Applied Acoustics
SIMS G. D. D.I.C. M.SC. PH.D. A.M.I.E.E. Electronics
THWAITES B. M.A. PH.D. Mathematics—Theoretical Mechanics
(Vacant—Aeronautics and Astronautics)

Faculty of Social Sciences:
FISHER G. R. M.A. Econometrics
FRANKEL, J., M.L., LL.M., PH.D., Politics
PEARCE, I. F., PH.D., Economic Theory
ROWAN, D. C., B.A., Economics
SMITH, J. H., B.A., Sociology
TRASLER, G. B., M.A., PH.D., F.B.PS.S., Psychology
(Vacant—Econometrics and Psychology)

Faculty of Education:
WAGNER, F. W., M.A. B.SC.
WRIGLEY, J., M.ED., PH.D.,

Faculty of Law:
HEUSTON, R. F. V., M.A., Law
MARTIN, A., PH.D., DR.JUR., DR.POL., International and Comparative Law
PHILLIPS, A., O.B.E., M.A., PH.D., English Law
(Vacant—Law)

UNIVERSITY OF STIRLING

STIRLING

Founded 1965.

Principal and Vice-Chancellor Designate: Prof. T. L. COTTRELL, D.SC.

UNIVERSITY OF STRATHCLYDE

GEORGE STREET, GLASGOW, C.1.

Telephone: BEL 4400.

Founded 1796 under the title of the Andersonian Institution; affiliated to the University of Glasgow between 1913 and 1964; presented with University Charter, August 1964.

Chancellor: Lord TODD OF TRUMPINGTON, F.R.S.

Principal and Vice-Chancellor: S. C. CURRAN, M.A., PH.D., D.SC., F.R.S.
Registrar: G. H. THOMSON, B.COM.
Academic Registrar: G. P. RICHARDSON, M.A.
Librarian: C. G. WOOD, F.L.A.

Number of full-time teachers: 512, including 24 professors.
Number of students (1964-65): 2,318. In 1965-66 nearly 4,450 students are expected.

Publication: *Report on Research.*

DEANS:

School of Mathematics and Physics: J. IRVING, M.A., PH.D.
School of Chemical and Material Sciences: P. D. RITCHIE, B.SC., PH.D., F.R.S.E.
School of Mechanical and Chemical Engineering and Naval Architecture: A. W. SCOTT, C.B.E., A.R.C.S.T.
School of Civil and Mining Engineering: G. HIBBERD, A.R.C.S.T., PH.D.
School of Electrical Engineering: F. M. BRUCE, M.SC., PH.D., F.R.S.E.
School of Architecture: F. FIELDEN, M.A., F.R.I.B.A.
School of Biological Sciences: J. HAWTHORN, A.R.C.S.T., B.SC., PH.D., F.R.S.E.
School of Business and Administration: N. BRANTON, M.COM., PH.D.
School of Arts and Social Studies: S. G. E. LYTHE, M.A.

PROFESSORS:

ALEXANDER, K. J. W., B.SC.ECON., D.P.A., Economics
BRANTON, N., M.COM., PH.D., Commerce
BRUCE, F. M., M.SC., PH.D., M.I.E.E., M.I.E.E.E., A.INST.P., F.R.S.E., Electrical Engineering
COLLINS, W. O., B.SC., PH.D., Mathematics
ELLWOOD, E. C., B.SC., PH.D., F.I.M., Metallurgy
FIELDEN, F., M.A., F.R.I.B.A., Architecture
FRAZER, W., B.SC., PH.D., A.R.C.S.T., A.M.I.C.E., A.M.I.MECH.E., Civil Engineering
GORDON, M., PH.D., D.SC., F.R.I.C., F.R.S.E., Chemistry
HAWTHORN, J., B.SC., PH.D., A.R.C.S.T., F.R.I.C., F.R.S.E., Food Science
HIBBERD, G., PH.D., A.R.C.S.T., M.I.MIN.E., F.R.S.E., Mining Engineering
IRVING, J., M.A., PH.D., Natural Philosophy
JAHODA, G., M.SC., PH.D., Psychology
KENEDI, R. M., C.H.(LIMA), B.SC., PH.D., A.R.C.S.T., A.M.I.MECH.E., A.F.R.AE.S., F.R.S.E., Bio-Engineering
LYTHE, S. G. D., B.A., M.A., D.P.A., Economic History
MEREDITH, R., D.SC., F.INST.P., F.T.I., F.R.S.E., Fibre Science
MORRIS, E. O., B.SC., PH.D., F.I.BIOL., Applied Microbiology and Biology
PACK, D. C., M.A., D.SC., F.R.S.E., Mathematics
PATERSON, T. T., M.A., PH.D., F.R.S.E., Industrial Administration
PAUSON, P. L., B.SC., PH.D., F.R.I.C., F.R.S.E., Chemistry
POTTER, A. M., B.A., M.A., PH.D., Political Theory and Institutions
RITCHIE, P. D., B.SC., PH.D., F.R.I.C., F.I.C., F.P.I., M.I.CHEM.E., F.R.S.E., Chemical Technology
SCOTT, A. W., C.B.E., B.SC., PH.D., A.R.T.C., M.I.MECH.E., M.I.CHEM.E., Chemical Engineering
STENLAKE, J. B., D.SC., PH.D., F.P.S., F.R.I.C., F.R.S.E., Pharmacy
THOMSON, A. S. T., D.SC., PH.D., A.R.C.S.T., M.I.C.E., M.I.MECH.E., F.R.S.E., Mechanical Engineering

UNIVERSITY OF SUSSEX

STANMER HOUSE,
STANMER, BRIGHTON
Telephone: Brighton 66755.
Founded 1961.

Chancellor: Lord SHAWCROSS.
Vice-Chancellor: J. S. FULTON, M.A., HON. LL.D.
Pro-Vice-Chancellors: R. J. BLIN-STOYLE, M.A., D.PHIL., F.INST.P., ASA BRIGGS, B.SC.(ECON.), M.A., F.R.HIST.S.
Registrar: A. E. SHIELDS, M.B.E., M.A.
Bursar: J. MANGOLD, M.A.
Librarian: D. COX, B.A., A.L.A.

Number of teachers (Oct. 1965): 249.
Number of students (Oct. 1965): 2,065.
Number of volumes in Library (Oct. 1965): 130,000.

DEANS:

School of Social Studies: (vacant).
School of European Studies: R. J. M. WIGHT, B.A.
School of English and American Studies: Prof. D. DAICHES, M.A., D.PHIL., PH.D., HON. LITT.D.
School of Mathematical and Physical Sciences: R. J. BLIN-STOYLE, M.A., D.PHIL.
School of Molecular Studies: C. EABORN, PH.D., D.SC., F.R.I.C.
School of Educational Studies: R. B. FORD, M.A.
School of African and Asian Studies: Prof. D. A. LOW, M.A., D.PHIL.
School of Biological Sciences: J. M. SMITH, B.A., B.SC.
School of Applied Sciences: J. C. WEST, PH.D., D.SC., M.I.E.E., M.I.E.E.E.

PROFESSORS:

BAILEY, F. G., B.LITT., M.A., PH.D., Social Anthropology
BARNA, T., PH.D., Economics
BLIN-STOYLE, R. J., M.A., D.PHIL., F.INST.P., Theoretical Physics
BREWER, D. F., M.A., D.PHIL., Physics
BRIGGS, ASA, M.A., B.SC.(ECON.), F.R.HIST.S., History
CAHN, R. W., PH.D., D.SC., F.INST.P., Materials Science
CHATT, J., M.A., PH.D., SC.D., F.R.I.C., F.R.S., A.R.C. Unit of Nitrogen Fixation
CORBETT, J. P., M.A., Philosophy
CRUICKSHANK, J., M.A., PH.D., French
CUNLIFFE, M., B.LITT., M.A., American Studies
DAICHES, D., M.A., D.PHIL., English
EABORN, C., PH.D., D.SC., F.R.I.C., Chemistry
ELKINS, T. H., B.A., Geography
FORD, R. B., M.A., Education
HENRIQUES, L. F., M.A., D.PHIL., Research Unit for Study of Multi-Racial Societies
HISCOCKS, C. R., M.A., D.PHIL., International Relations
HODGART, M. J. C., M.A., English
JAHODA, MARIE, D.PHIL., Social Psychology
LEDERMANN, W., PH.D., D.SC., F.R.S.E., F.I.M.A., Mathematics
LEYS, C. T., M.A., Politics
LOW, D. A., M.A., D.PHIL., History
MAYNARD SMITH, J., B.A., B.SC., Biology
MURRELL, J. N., PH.D., Chemistry
POSTGATE, J. R., M.A., D.PHIL., M.INST.BIOL. Microbiology
SANG, J. H., PH.D., Genetics
SCOTT, A. I., PH.D., D.SC., Chemistry
SCOTT, D. B., M.A., D.SC., Mathematics
SMITH, K. F., M.A., PH.D., Experimental Physics
SUPPLE, B. E., PH.D., Economics and Social History
SUTCLIFFE, J. F., B.SC., PH.D., D.SC., Plant Physiology
SUTHERLAND, N. S., M.A., D.PHIL., Experimental Psychology
SYMONDS, N., PH.D., Microbial Genetics
TAYLOR, R. J., M.A., PH.D., L.R.A.M., German
THOMPSON, M. W., D.SC., F.INST.P., Physics
WARD, G. N., M.A., Mathematics
WEST, J. C., PH.D., D.SC., M.I.E.E., M.I.E.E.E., Electrical Engineering
WIGHT, M., B.A., European History

UNIVERSITY OF WALES

CATHAYS PARK, CARDIFF
Telephone: 22656.
Founded 1893.

Chancellor: H.R.H. The PRINCE PHILIP, DUKE OF EDINBURGH, EARL OF MERIONETH, K.G., K.T., LL.D., F.R.S.
Pro-Chancellor: The Rt. Hon. Lord MORRIS OF BORTH-Y-GEST, P.C., C.B.E., M.C., LL.D.
Vice-Chancellor: R. C. EVANS, M.A., D.SC., F.R.C.S.
Registrar: J. G. THOMAS, M.A.

Total number of students (1964) (five colleges): 8,949.

The University of Wales Press publishes learned works and periodicals in Welsh and English.

Includes the following Colleges:

University College of Wales: Aberystwyth; Telephone 2346; f. 1872.

President: Sir BEN B. THOMAS, M.A., HON. LL.D.
Principal: T. PARRY, D.LITT., F.B.A.
Treasurer: J. A. DAVIES, J.P., HON. LL.D.
Registrar: T. M. DAVIES, O.B.E., M.A.
Librarian: A. AP GWYNN, M.A.

Number of volumes in the library: 175,000.
Number of teachers: 260, including 29 professors.
Number of students: 2,050.

Publications: *Courier* (fortnightly), *Dragon* (annual), *Reports* (annual).

DEANS:

Faculty of Arts: H. CARTER, M.A.
Faculty of Science: Prof. A. F. TROTMAN-DICKENSON, M.A., PH.D., D.SC.
Faculty of Education: Prof. J. L. WILLIAMS, PH.D.
Faculty of Economic and Social Studies: Prof. G. CLAYTON, M.A.

PROFESSORS:

AARON, R. I., M.A., D.PHIL., F.B.A., Philosophy
BEYNON, W. J. G., C.B.E., D.SC., PH.D., Physics
BOWEN, E. G., M.A., F.S.A., Geography and Anthropology
BRIGGS, E. R., M.A., PH.D., French Language and Literature
CAERWYN WILLIAMS, J. E., M.A., Irish
CLAYTON, G., M.A., Economics
DAVIES, D. J. LL., M.A., BAR.-AT-LAW, Law
DAVIES, T. V., D.SC., Applied Mathematics
DAVIES, W. H., M.A., Classics
ELLISON, W., PH.D., Agriculture-Crop Husbandry
GOODWIN, T. W., D.SC., Biochemistry and Agricultural Biochemistry
JOHNSTON, A., M.A., D.PHIL., English
JONES, B., D.SC., Zoology
JONES, T., M.A., D.LITT., Welsh Language and Literature
KIDSON, C., PH.D., Physical Geography
LINDLEY, D. V., M.A., Statistics
MAGILL, C. P., M.A., PH.D., German and Germanic Philology
MARTIN, L. W., M.A., PH.D., International Politics
NEVIN, E. T., PH.D., M.A., Economics
NICHOLS, J. E., M.SC., PH.D., F.R.S.E., Agriculture—Animal Husbandry
PARROTT, H. I., M.A., D.MUS., F.T.C.L., A.R.C.O., Music
PENNINGTON, W. B., M.A., PH.D., Pure Mathematics
THOMAS, P. T., PH.D., Agricultural Botany
TREHARNE, R. F., M.A., PH.D., History
TROTMAN-DICKENSON, A. F., M.A., PH.D., D.SC., Chemistry
WAREING, P. F., D.SC., PH.D., Botany
WILLIAMS, D., A.M., D.LITT., Welsh History
WILLIAMS, J. L., PH.D., Education
WOOD, A., D.SC., PH.D., Geology

University College of North Wales: Bangor; Telephone: Bangor 2501; f. 1884.

President: Rt. Hon. Lord KENYON, D.L., LL.D.
Principal: C. EVANS, M.A., D.SC., F.R.C.S.
Secretary and Registrar: K. LAWRENCE, B.SC.
Librarian: E. G. JONES, M.A.

The library contains 280,000 volumes.

Number of teaching staff: 238 including 29 professors.

Number of students: 1,836.

DEANS:

Faculty of Arts: Prof. J. F. DANBY, M.A.
Faculty of Science: Prof. D. J. CRISP, PH.D.

PROFESSORS:

Faculty of Arts:
ALEXANDER, I. W., M.A., D.LITT., French
BLACK, D., M.A., PH.D., Economics
CLARKE, M. L., M.A., Latin
DANBY, J. F., M.A., English
JENKINS, D. W. T., M.A., Education
MILES, T. R., M.A., Psychology
MOWAT, C. L., M.A., PH.D., History
MUNDLE, C. W. K., M.A., Philosophy
RICHARDS, G. M., M.A., PH.D., Welsh
ROBERTS, Rev. B. J., M.A., D.D., Hebrew
SHARP, A. E., M.A., Linguistics
SPALDING, K., M.A., PH.D., German
WILLIAMS, D. E. P., D.MUS., Music
WILLIAMS, J. G., M.A., Welsh History
WYCHERLEY, R. E., M.A., Greek

Faculty of Science:
BRAMBELL, F. W. R., PH.D., D.SC., F.R.S., Zoology
DARBYSHIRE, J., D.SC., Physical Oceanography
DAVIES, D. R., D.SC., Applied Mathematics
EVANS, W. C., M.SC., PH.D., Biochemistry and Soil Science
GAVIN, M. R., M.B.E., M.A., D.SC., Electronic Engineering
HARPER, J. L., M.A., D.PHIL., Agricultural Botany
LITTLEWOOD, D. E., M.A., Pure Mathematics
LUCAS, I. A. M., B.SC., M.SC., Agriculture
MENDOZA, E., M.A., PH.D., Physics
PEAT, S., D.SC., F.R.S., Chemistry
RICHARDS, P. W., M.A., SC.D., Botany
SHERIDAN, J., D.PHIL., D.SC., Chemistry
WILCOCK, W. L., PH.D., Physics

Marine Biology Station: Dir. Prof. D. J. CRISP, M.A., PH.D.

University College of South Wales and Monmouthshire: Cathays Park, Cardiff; Telephone: Cardiff 20781; Telegraphic Address: Coleg, Cardiff; f. 1883.

President: F. C. BAGNALL, C.B.E., M.A.
Principal: A. STEEL, O.B.E., J.P., LITT.D.
Registrar: E. R. EVANS, M.A.
Librarian: R. J. BATES, M.A.

The library contains approx. 196,000 volumes.

Number of teaching staff: 331, including 35 professors.

Number of students: 2,637.

DEANS:

Faculty of Arts: R. J. C. ATKINSON, M.A., F.S.A.
Faculty of Science: G. F. ASPREY, PH.D., D.SC.
Faculty of Theology: Rev. Principal J. I. JONES, M.A., B.D.
Faculty of Education: Prof. E. EVANS, M.A.
Faculty of Economic and Social Studies: M. P. FOGARTY, M.A.

PROFESSORS:

Faculty of Arts:
ATKINSON, R. J. C., M.A., F.S.A., Archaeology
CHRIMES, S. B., M.A., PH.D., LITT.D., History
EVANS, E., M.A., Education
EVANS, J. LL., M.A., D.PHIL., Philosophy
FOGARTY, M. P., M.A., Industrial Relations
HALMOS, P., PH.D., Sociology
JARMAN, A. O. H., M.A., Welsh
JOHNSON, A. R., PH.D., D.D., F.B.A., Hebrew
JONES, G., C.B.E., M.A., English
MORGAN, J., D.MUS., Music
MORITZ, L. A., M.A., D.PHIL., Latin
RECKERT, S., PH.D., M.LITT., Hispanic Studies
REES, B. R., M.A., PH.D., Greek
THOMAS, B., O.B.E., M.A., PH.D., Economics and Social Science
THOMAS, J. H., M.A., D.U.P., French and Romance Philology
WESTBY, G., M.A., Psychology
WILLIAMS, T. P., M.A., German

Faculty of Science:
ANDERSON, J. G. C., M.A., D.SC., PH.D., Geology
ASPREY, G. F., PH.D., D.SC., Botany
BROUGH, J., PH.D., D.SC., Zoology
CROMBIE, L., PH.D., D.SC., Organic Chemistry
DODGSON, K. S., PH.D., D.SC., Biochemistry
EVANS, A. G., PH.D., D.SC., Chemistry
GURNEY, H. C. H., O.B.E., M.A., D.SC., Civil Engineering
HUGHES, D. E., Microbiology
HUTTON, S. P., D.ENG., PH.D., Mechanical Engineering
LANDSBERG, P. T., M.SC., PH.D., D.I.C., Applied Mathematics
LEVER, J. D., M.A., M.D., Anatomy
LLOYD, H. K. M., PH.D., Metallurgy
PETERSON, J. M., D.SC., Physiology
SINCLAIR, J., M.ENG., PH.D., Mining
TAYLOR, C. A., PH.D., D.SC., Physics
WILLIAMS, E., B.ENG., PH.D., Electrical Engineering

University College of Swansea: Singleton Park, Swansea; Telephone: Swansea 25678; f. 1920.

President: The Hon. Sir EDMUND DAVIES, LL.D., B.C.L.
Principal: F. LLEWELLYN-JONES, C.B.E., M.A., D.PHIL., D.SC., F.INST.P.
Registrar: J. MCINTYRE, M.A.
Librarian: F. J. W. HARDING, M.C., M.A.

The library contains 200,000 books and pamphlets.

Number of teaching staff: 279, including 31 professors.

Number of students: 2,371.

DEANS:

Faculty of Arts: H. HILL, M.A.
Faculty of Economic and Social Studies: G. WILLIAMS, D.LITT., M.A.
Faculty of Science: C. H. HASSALL, M.SC., PH.D.
Faculty of Applied Science (Technology): J. F. RICHARDSON, PH.D., D.SC.

PROFESSORS:

Faculty of Arts:
BROWN, J. M., M.A., Political Theory and Government
DAVIES, A., M.A., Modern History
GITTINS, C. E., M.A., Education
HANSEL, C. E. M., M.A., Psychology
JONES, J. R., M.A., D.PHIL., Philosophy
KERFERD, G. B., M.A., Classics
KNIGHT, R. C., M.A., D. ÈS L., French and Romance Studies
LEES, D. S., PH.D., Applied Economics
MORGAN, E. V., M.A., Economics
MORGAN, T. J., D.LITT., Welsh
PRICE, C. J. L., M.A., PH.D., English Language and Literature
WAIDSON, H. M., M.A., D.PHIL., German
WILLIAMS, G., D.LITT., History
WILLIAMS, W. M., M.A., Sociology and Anthropology

Faculty of Science:
BALCHIN, W. G. V., M.A., PH.D., Geography
DAVIDSON, P. M., PH.D., Theoretical Physics
HASSALL, C. H., M.SC., PH.D., Chemistry
KNIGHT-JONES, E. W., D.PHIL., Zoology
LLEWELLYN-JONES, F., M.A., D.PHIL., D.SC., Physics

PURNELL, J. H., M.A., PH.D., Physical Chemistry
RHODES, F. H. T., PH.D., Geology
STREET, H. E., D.SC., Botany
TEMPERLEY, H. N. V., M.A., SC.D., Applied Mathematics
WESTON, J. D., D.SC., Pure Mathematics

Faculty of Applied Science (Technology):
BARWELL, F. T., PH.D., Mechanical Engineering
BURKE, J., PH.D., Physical Metallurgy
FISHWICK, W., M.A., PH.D., Electrical Engineering
JEFFRIES, T. O., M.A., D.PHIL., Industrial Engineering
RICHARDSON, J. F., D.SC., PH.D., Chemical Engineering
SINGER, A. R. E., PH.D., Metallurgy
ZIENKIEWICZ, O. C., PH.D., Civil Engineering

The Welsh National School of Medicine: 34 Newport Road, Cardiff; Telephone: 28434; incorporated as an Independent School of the University of Wales by Royal Charter in 1931.

President: Sir CLEMENT P. THOMAS, K.C.V.O., LL.D., F.R.C.P., F.R.C.S.
Provost: A. T. JONES, M.D., F.R.C.P., D.P.H.
Dean of Clinical Studies: A. S. DUNCAN, D.S.C., M.A., F.R.C.S., F.R.C.O.G.
Dean of Postgraduate Studies: A. G. WATKINS, B.SC., M.D., F.R.C.P.
Dean of Dental Studies: B. E. D. COOKE, M.D.S., F.D.S., L.R.C.P., M.R.C.S.
Academic Registrar: F. DODSWORTH, M.A., F.C.I.S.
Librarian: E. L. JONES, A.L.A.

Number of volumes in the library is 16,400.
Number of teaching staff: 54 full-time, including 13 clinical professors.
Number of Clinical students: 214.

PROFESSORS:

COCHRANE, A. L., M.B.E., M.A., M.B., B.CHIR., Tuberculosis and Chest Diseases
DUNCAN, A. S., D.SC., M.B., CH.B., F.R.C.S.E., F.R.C.O.G., Obstetrics and Gynæcology
FORREST, A. P. M., M.D., CH.M., F.R.C.S., Surgery
GOUGH, J., B.SC., M.D., Pathology
LANDGREBE, F. W., D.SC., Pharmacology
LOWE, C. R., M.D., PH.D., L.R.C.P., M.R.C.S., Public Health and Preventive Medicine
MUSHIN, W. W., M.A., M.B., B.S., D.A., F.F.A., (R.C.S.), F.F.A.(R.A.C.S.), Anæsthetics
RAWNSLEY, K., Psychological Medicine
SCARBOROUGH, H., M.B., CH.B., PH.D., F.R.S.E., F.R.C.P.E., Medicine
THOMSON, S., M.D., F.R.C.P., D.P.H., Bacteriology
WATKINS, A. G., B.SC., M.D., F.R.C.P., M.R.C.S., Child Health

Dentistry:
COOKE, B. E. D., M.D.S., F.D.S., L.R.C.P., Oral Medicine
MILLER, J., M.D.S., D.D.S., Dental Surgery

UNIVERSITY OF WARWICK
COVENTRY, WARWICKSHIRE
Telephone: 24011.

Charter granted March 1965.

Chancellor: The Rt. Hon. Viscount RADCLIFFE, G.B.E.
Vice-Chancellor: J. B. BUTTERWORTH, M.A.
Registrar: A. D. LINFOOT, M.A.
Librarian: P. E. TUCKER, M.A., A.L.A.

Number of students (1965-66): 400.

PROFESSORS:

CHARLTON, D. G., M.A., PH.D., French
CLARK, V. M., M.A., PH.D., Molecular Sciences
CLEGG, H. A., M.A., Industrial Relations
DOUCE, J. L., M.SC., PH.D., Electrical Science
FORTY, A. J., PH.D., Physics
GREEN, J. A., PH.D., Mathematics
GRIFFITHS, A. P., B.A., B.PHIL., Philosophy
HALE, J. R., M.A., History
HARRISON, W., M.A., Politics
HUNTER, G. K., M.A., D.PHIL., English
PYATT, F. G., A.M., M.A., PH.D., Mathematical Economics
SARGENT, J. R., M.A., Economics
SHERCLIFF, J. A., M.A., PH.D., Engineering Science
WADDINGTON, T. C., M.A., PH.D., Molecular Sciences
ZEEMAN, E. C., M.A., PH.D., Mathematics

UNIVERSITY OF YORK
HESLINGTON, YORK
Telephone: York 59861.

Founded 1963.

Chancellor: The Rt. Hon. The EARL OF HAREWOOD, M.A., LL.D., D.MUS.
Vice-Chancellor: The Rt. Hon. Lord JAMES OF RUSHOLME, M.A., D.PHIL., LL.D.
Registrar: J. P. WEST-TAYLOR, M.A.
Bursar: D. M. ALLEN, M.B.E., B.A.
Librarian: H. FAIRHURST, M.A.

Number of teachers: 135.
Number of students (Oct. 1965): 1,000.

Publication: *Prospectus.*

PROFESSORS:

AYLMER, G. E., M.A., D.PHIL., History
BROCKBANK, J. P., PH.D., English
BRONK, J. R., D.PHIL., Biochemistry (from October 1966)
DOSSER, D. G. M., B.SC.(ECON.), Economic Theory
FLETCHER, R., PH.D., Sociology
HEAVENS, O. S., PH.D., Physics
KENNEDY, P. B., M.SC., PH.D., D.SC., Mathematics
LE PAGE, R. B., PH.D., Language
MACKIE, J. L., M.A., Philosophy
MELLERS, W., M.A., D.MUS., Music
MOODIE, G. C., M.A., Politics
NORMAN, R. O. C., M.A., D.PHIL., Chemistry
PEACOCK, A. T., D.S.C., M.A., Economics
REE, H. A., D.S.O., O.B.E., M.A., Education
WILLIAMS, G. A., M.A., PH.D., History
WILLIAMSON, M. H., M.A., D.PHIL., Biology
WISEMAN, J., B.SC.(ECON.), Applied Economics
WOOLFSON, M. M., M.A., PH.D., D.SC., Theoretical Physics

ST. DAVID'S COLLEGE
LAMPETER, CARDS.
Telephone: Lampeter 351.

Founded 1822 by Dr. Thomas Burgess (1756-1837), formerly Bishop of St. David's (1803-1825) and later Bishop of Salisbury; College opened on St. David's Day, 1827; first Royal Charter granted 1829, later Charters in 1852, 1865, 1896, and 1963. It is a residential college of the style, design, and character familiar in the ancient English universities. It provides university education leading to the degrees of B.A. and B.D., and is open to receive and educate any person whatever.

Affiliated to the Universities of Oxford and Cambridge and since 1961 linked under a Sponsorship Agreement with the University College of South Wales and Monmouthshire, Cardiff.

Visitor: Rt. Rev. J. R. RICHARDS, Bishop of St. David's.
Principal: Rev. Chancellor J. R. L. THOMAS, M.A.
Bursar: Group Captain C. H. WIGGINS, O.B.E., F.C.C.S.
Librarian: S. C. BOORMAN, M.A.
Sub-Librarian: R. C. RIDER, M.A.

The library contains about 55,000 volumes.

Number of teaching staff: 36, including 5 professors and 5 Heads of Departments.
Number of students: 260.

PROFESSORS:

BOORMAN, S. C., M.A., English
CHANDAMAN, C. D., B.A., PH.D., History
HARRIS, H. A., M.A., Classics
HUNT, E. W., M.A., Theology
WOOD, T., M.A., Pastoral Theology

HEADS OF DEPARTMENTS:

JONES, R. S., M.A., PH.D., French
LOFMARK, C. J., German
MARKS, D. F., Welsh
MORTON, V. C., Mathematics
RENOWDEN, C. R., Philosophy

COLLEGES OF ADVANCED TECHNOLOGY

H.M. Government has accepted the recommendation contained in the Robbins Report that the Colleges of Advanced Technology should receive university status, thereby having the right to grant their own degrees. Most of them expect to do so within the 1965-66 academic year.

Battersea College of Technology (proposed *University of Surrey*): Battersea Park Road, S.W.11; Tel. MAC 9191; f. 1891.

Chancellor-Designate: Lord ROBENS.

Principal and Vice-Chancellor Designate: D. M. A. LEGGETT, M.A., PH.D., D.SC., F.R.AE.S.

Number of teachers recognised by the University of London: 29.

Total number: 247 full-time, 105 visiting.

Number of students registered with the University of London: 580.

Total number: 1,606 full-time, 229 part-time.

Since October 1964 the College has offered undergraduate courses leading to its own degrees in Chemical Engineering, Civil Engineering, Electrical Engineering, Mechanical and Marine Engineering, Metallurgy and Materials Technology, Chemistry, Modern and Technological Mathematics, Physics, Physical Sciences, Dietetics, Linguistic and Regional Studies.

From October 1965 first degree courses will also include an optional combination of a foreign language and regional studies with Metallurgy and/or Materials Technology and a new course in Microbiology, and students accepted for postgraduate courses or research will be candidates for a higher award (M.Sc., or postgraduate Diploma, by examination and dissertation or M.Phil. and Ph.D. by research) of the new University. Postgraduate courses will be offered in Applied Dynamics and Mechanical Vibrations; Bridge, Highway, and Structural Engineering; Chemical Engineering; Control/Computer Systems Engineering; Crystallography; Microwave, and Rheological Physics; Radiation Protection; Russian for graduate engineers and scientists; and Spectroscopy.

From October 1966, additional first degree courses will be available in Biochemistry and in Human Biology.

Birmingham College of Advanced Technology (proposed *University of Aston in Birmingham*): Gosta Green, Birmingham 4; Tel. ASTon Cross 3611; f. 1895; Designated College of Advanced Technology 1956; awaiting university charter.

Chancellor: Lord NELSON OF STAFFORD.

Vice-Chancellor: Sir PETER VENABLES, PH.D., F.R.I.C.

Registrar: R. J. RACKHAM, M.A., D.C.AE., A.F.R.AE.S., M.I.MECH.E., A.M.I.C.E.

Librarian: E. H. C. DRIVER, F.L.A.

Number of teachers: 311.

Number of students: 1,692 full-time; 1,515 part-time.

Publications: *General Prospectus, Calendar.*

FACULTIES:

Faculty of Engineering.
Faculty of Science.
Faculty of Social Sciences.

PROFESSORS:

DOWNHAM, E., PH.D., A.F.R.AE.S., Mechanical Engineering
FLOOD, J. E., D.SC., PH.D., M.I.E.E., C.G.I.A., Electrical Engineering
GIBSON, I. F., B.SC.(ECON.), PH.D., Industrial Administration (*Head of Department*)
HARPER, N. J., M.SC., PH.D., A.R.I.C., Pharmacy (*Head of Department*)
HUNT, S. E., PH.D., F.INST.P., Physics (*Head of Department*)
JEFFREYS, G. V., M.SC., PH.D., F.R.I.C., A.M.I.CHEM.E., Chemical Engineering (*Head of Department*)
KIRBY, E. S., B.SC.(ECON.), PH.D., Industrial Administration
MATTY, A. J., PH.D., Biological Sciences (*Head of Department*)
MAY, E., M.SC.(ENG.), A.C.G.I., M.I.E.E., Electrical Engineering (*Head of Department*)
MOORE, C. G., PH.D., Chemistry
MULLINEUX, N., PH.D., Mathematics (*Head of Department*)
PARKER, W. G. S., PH.D., F.R.I.C., A.F.R.AE.S. Chemistry (*Head of Department*)
PICK, H. J., B.SC.(ENG.), PH.D., Metallurgy
PRATT, A. W., D.SC., F.INST.P., Building and Civil Engineering
SINGLETON, W. T., M.A., Industrial Administration
SLATER, I. G., M.SC., PH.D., F.I.M., F.INST.P., C.I.MECH.E., Metallurgy (*Head of Department*)
WALSHAW, A. C., D.SC., PH.D., D.I.C., A.C.G.I., M.I.MECH.E., Mechanical Engineering (*Head of Department*)
WORTH, T. B., M.I.MECH.E., M.I.PROD.E., A.M.I.E.E., C.G.I.A., Production Engineering (*Head of Department*)
WRIGHT, J. C., PH.D., A.C.T.(BIRM.), F.I.M., Metallurgy
(Vacant—General Studies)

Bradford Institute of Technology (proposed *University of Bradford*): Bradford 7, Yorks.; Tel.: Bradford 29567; f. 1957.

Chancellor Designate: The Rt. Hon. H. WILSON, O.B.E., M.A., M.P.

Pro-Chancellor Designate: Sir CHARLES MORRIS, K.C.M.G., M.A.

Vice-Chancellor Designate and Principal: E. G. EDWARDS, PH.D., F.R.I.C.

Pro-Vice-Chancellor Designate and Vice-Principal: R. A. MCKINLAY, M.A.

Registrar: M. A. BAATZ, M.A.

Librarian: (Vacant).

Number of teachers: 295.

Number of students: 1,850.

PROFESSORS:

BIJL, D., M.A., DR.SC., F.R.S.E., Solid State Physics
COLES, P. H., M.A., Social Sciences
ELLIOTT, R. L., PH.D., F.R.I.C., F.T.I., F.S.D.C., Chemical Pathology
FREEMAN, J. G., M.A., PH.D., F.R.A.S., F.I.M.A., Mathematics
HAPPEY, F., PH.D., F.INST.P., Textile Industries
JAGGER, J. G., M.A., M.SC., M.I.MECH.E., Mechanical Engineering
KEMPNER, T., B.SC.(ECON.), Management and Administration
LEES, E., M.SC., PH.D., F.I.BIOL., Biological Sciences
MUSGROVE, F., PH.D., Research in Education
PAGE, C. W., F.R.I.C., M.I.CHEM.E., Chemical Engineering
PATCHETT, G. N., PH.D., M.I.E.E., M.I.E.R.E., M.I.E.E.E., Electrical Engineering
ROWSON, J. M., M.SC., PH.D., F.P.S., F.L.S., F.R.M.S., Pharmacy
SMARE, D. L., M.SC.TECH., PH.D., F.INST.P., Physics
WILBY, C. B., PH.D., Civil Engineering

Bristol College of Science and Technology (proposed *University of Bath*): Ashley Down, Bristol 7; Tel. 4-1241; f. 1856, College of Advanced Technology 1960; independent institution with direct-grant status 1962; the College expects to receive its Charter as a University early in 1966.

Chancellor Designate: Lord HINTON OF BANKSIDE, K.B.E., F.R.S.

Vice-Chancellor Designate: G. H. MOORE, M.SC., F.P.S., F.R.I.C.

Pro-Vice-Chancellor Designate: A. M. HARDIE, M.A., PH.D., M.I.E.E., A.INST.P.

Secretary and Registrar: G. S. HORNER, M.A., D.M.A.

Librarian: J. H. LAMBLE, A.L.A.

Number of teachers (1965-66): 225.

Number of students (1965-66): 1,350 full-time, 300 part-time.

HEADS OF SCHOOLS:

Architecture: Prof. K. H. PANTER, A.R.I.B.A., A.R.W.A., F.R.S.A.
Biology: Prof. L. BROADBENT, PH.D., D.SC.
Centre for Adult Studies: K. A. C. HUMPHREYS, M.A., M.SC., A.M.I.E.E. (*Director*).
Centre for Nuclear Studies: J. N. ANDREWS, PH.D., D.I.C., A.R.I.C. (*Director*).
Chemistry: Prof. R. W. BOLLAND, PH.D., F.R.I.C.
Electrical Engineering: Prof. A. J. EALES, B.SC.(ENG.), M.I.E.E.
Engineering: Prof. J. BLACK, M.SC., PH.D., M.I.MECH.E., F.R.AE.S.
Humanities and Social Sciences: Prof. C. T. SANDFORD, M.A.(ECON.).
Management Studies: Prof. R. E. THOMAS, M.COM.

Mathematics: Prof. D. E. BAILEY, M.A., PH.D., A.F.R.AE.S., F.S.S.
Pharmacy: Prof. D. A. NORTON, F.P.S., A.C.T. (BIRM.).
Physics: S. H. AYLIFFE, M.SC., PH.D., F.INST.P.

Brunel College (proposed *Brunel University*): Woodlands Avenue, Acton, London, W.3; Departments of Biology, Chemistry, Electrical Engineering and Electronics, Management, Mathematics, Mechanical Engineering, Physics, Production Technology, Psychological and Social Science and General Studies.

Chancellor-Designate: Lord HALSBURY.
Principal: J. TOPPING, M.SC., PH.D., D.I.C., F.INST.P.

Number of teachers: 140.
Number of students (1964): 750 full-time.

Chelsea College of Science and Technology: Manresa Road, Chelsea, S.W.3; f. 1895; plans to give the College university status are still under discussion.

Principal: C. C. HENTSCHEL, M.SC., F.L.S., F.Z.S.

Number of teachers recognised by the University of London: 28.
Total number: 118 full-time; 86 part-time.
Number of students registered with the University of London: 1,093.
Total number: 755 full-time day; 259 part-time day; 1,102 evening.

Loughborough College of Technology (proposed *Loughborough University of Technology*): Loughborough, Leicestershire; a residential College of Advanced Technology which is about to be granted University status; provides full-time courses (three to four years) in aeronautical, automotive, chemical, civil, electrical, mechanical and production engineering and industrial chemistry, chemistry and administration, ergonomics and cybernetics, industrial engineering and management, foundry technology, humanities and technology, physics and mathematics. The College Diploma carries exemption from certain examinations of the professional engineering institutions; postgraduate courses are provided in industrial, electrical and chemical engineering, industrial chemistry, ergonomics and cybernetics, civil engineering and aeronautical engineering.

Chancellor-Designate: Sir HARRY PILKINGTON.
Principal: H. L. HASLEGRAVE, WH.SC., M.A., PH.D., M.SC.(ENG.), M.I.MECH.E., M.I.E.E., M.I.PROD.E.
Registrar: F. L. ROBERTS, B.A.; approx. 1,460 students.

Northampton College of Advanced Technology (London) (proposed *City University*): St. John Street, E.C.1; f. 1896.

Chancellor Designate: The Lord Mayor of London.
Principal and Vice-Chancellor Designate: J. S. TAIT, B.SC.(ENG.), PH.D.
Secretary: R. G. EATON, M.A., F.C.A.

Number of teachers: recognised by the University of London: 14; Total number: 250.
Number of students registered with the University of London: 400; 1,000 sandwich and Dip.Tech. students, and 2,500 part-time.

The Royal College of Advanced Technology, Salford (proposed *University of Salford*): Salford 5, Lancashire; Tel. PENdleton 5843; f. 1896 (as the Royal Technical Institute).

Principal: C. WHITWORTH, M.SC., PH.D., F.R.I.C., F.INST.F.
Secretary: E. T. SHARMAN, F.C.I.S., D.M.A.
Librarian: A. C. BUBB, B.A., F.L.A.

Number of teachers: 300.
Number of students: 1,970 full-time; 1,700 part-time.
Publications: *Prospectus, Annual Report.*

PROFESSORS:

CALDERWOOD, J. H., M.ENG., PH.D., M.I.E.E., F.INST.P., Electrical Engineering
CHISHOLM, A. W. J., M.I.MECH.E., M.I.PROD., Mechanical Engineering
FITTON, W., A.M.I.MECH.E., M.I.STRUCT.E., Structural Engineering
RAMAGE, D.SC., PH.D., F.R.I.C., F.S.D.C., Chemistry
SCOTT, W. H., PH.D., Sociology

Welsh College of Advanced Technology, The (proposed *Welsh University of Technology*): Cathays Park, Cardiff; Tel. Cardiff 37374; f. 1916; prepares students for the B.Arch., B.Pharm., and Ph.D. degrees; associated with the National Council for Technological Awards for Diplomas in Technology.

Principal: A. HARVEY, B.SC., PH.D., F.INST.P.
Registrar: D. A. YOUNG, B.A., DIP.ED.
Librarian: J. FRY, F.L.A.

The library contains approx. 27,000 volumes and pamphlets.
Number of teachers: 200 full-time; 150 part-time.
Number of students: 1,066 full-time; 1,355 part-time.

PROFESSORS:

BALDWIN, C. T., Electrical Engineering
BRISTOW, C. J., Applied Physics
THOMAS, D. P., Architecture

SENIOR SCOTTISH TECHNICAL INSTITUTES

Dundee Institute of Art and Technology: 40 Bell Street, Dundee; f. 1911; comprises the following colleges:

College of Technology: 40 Bell Street, Dundee; departments of Building, Chemistry and Biology, Electrical Engineering, Marine Engineering, Mechanical, Civil and Production Engineering; Management and Higher Commercial Studies, Mathematics, Navigation, Physics, and Textiles; Principal J. R. WHITTAKER, M.SC., PH.D., M.I.MECH.E., M.I.C.E., F.R.S.E.; 90 full-time lecturers, 150 part-time lecturers and teachers; 295 full-time students, 1,395 part-time students.

Duncan of Jordanstone College of Art: Perth Road, Dundee; School of Architecture; Department of Town Planning; School of Design and Crafts; School of Drawing and Painting; Department of Printing; Department of Modelling, Sculpture and Pottery; Department of Silversmithing and Jewellery; Principal C. L. MATTHEW, DIP. ARCH., F.R.I.B.A., A.M.T.P.I., A.S.I.A. (ED.); 35 full-time lecturers, 70 part-time lecturers and teachers; 380 full-time students, 860 part-time students.

Paisley College of Technology: High Street, Paisley; f. 1897; departments of Physics, Mathematics, Chemistry, Civil Engineering and Building, Electrical Engineering and Mechanical Engineering; 110 full-time teachers; 500 full-time students, 2,000 part-time students; Principal H. N. HENRY, A.R.C.S.T., M.I.MECH.E., HON. M.I.PLANT.E.; Clerk and Treasurer K. L. CALDWELL, F.C.I.S., F.A.C.C.A., F.C.C.S.; library of 12,000 vols.

Robert Gordon's Technical College: Aberdeen; f. 1745; departments of Mechanical Engineering, Electrical Engineering, Mathematics and Physics, Gray's School of Art, School of Architecture, College of Domestic Science, School of Chemistry, School of Pharmacy, School of Navigation, School of Marine Engineering; degree and diploma courses in engineering; Dir. A. C. WEST, PH.D., M.I.MECH.E., M.I.MAR.E.

COLLEGES OF SCIENCE AND TECHNOLOGY

College of Aeronautics, The: Cranfield, Beds.; f. 1946; provides one-year and two-year courses to selected students of graduate standard, providing them with advanced engineering, scientific and technical training in aeronautics and other branches of technology to fit them for senior positions in industry, transport, the Services, research and education; courses open to students from any country; library of 20,000 vols.; Principal Prof. A. J. MURPHY, C.B.E., M.SC., F.I.M., F.R.AE.S.; Registrar H. HARRIS, LL.B., B.SC.(ECON.), D.P.A., F.C.C.S.; Librarian C. W. CLEVERDON, F.L.A.; publ. *College of Aeronautics Reports* (irregular).

Advanced School of Automobile Engineering: Cranfield, Beds.; f. 1959 in assoc. with the College of Aeronautics; to provide a one-year postgraduate course in accordance with the needs of the motor industry; Dir. Prof. J. R. ELLIS, M.SC.(ENG.), PH.D., A.M.I.MECH.E., M.S.A.E.

Manchester College of Science and Technology, The: Sackville Street, Manchester; f. 1824 as Manchester Mechanics Institute; as Faculty of Technology in Manchester Univ. 1905 (*q.v.*); teaching and research in science and technology.

Visitor: H.R.H. The PRINCE PHILIP, DUKE OF EDINBURGH, K.G.

President: Sir JOHN COCKCROFT, O.M., K.C.B., C.B.E., F.R.S.

Acting Principal: Prof. F. MORTON, M.SC.TECH., PH.D., D.SC., F.R.I.C., M.I.CHEM.E.

Registrar: J. BURGESS, M.A.

Librarian: B. C. VICKERY, M.A., F.L.A.

The library contains 55,000 volumes.

Number of teachers: 380, including 24 professors.

Number of students: 2,590 full-time; 3,000 part-time.

Publications: College and Faculty prospectuses: *Monographs on Management, International Journal of Mechanical Engineering Education, International Journal of Electrical Engineering Education.*

Royal Military College of Science: Shrivenham, Swindon, Wilts.; Tel. Shrivenham 551; f. 1864 at Woolwich; officer students and civilians holding Shrivenham Scholarships, County Awards and Army Cadetships are prepared for degrees in engineering and science of the University of London; Army Staff Officers for the Home and Commonwealth armies take postgraduate courses and officers of the three services take more advanced specialist courses; the College is residential.

Commandant: Maj.-Gen. E. J. H. BATES, O.B.E., M.C., M.A.

Dean: Sir DONALD C. BAILEY, Kt., O.B.E., D.ENG., A.M.I.C.E., M.I.STRUCT.E., J.P.

Registrar: C. P. LYNAM, M.A.

The library contains over 80,000 volumes and pamphlets.

Number of teachers: 78, including 7 professors and 13 associate professors. There is also a military directing staff.

Publication: Royal Military College of Science *Annual Report.*

Royal Naval College, Greenwich: London, S.E.10.

Governor: Rt. Hon. Lord CARRINGTON, M.C.

President of the College: Rear-Admiral I. L. M. MCGEOCH.

Secretary and Librarian: G. W. FISHER.

Captain of the College: Capt. D. K. BUCHANAN-DUNLOP, D.S.C.

Director of Studies and Dean of College: Inst. Capt. V. LAMB, B.SC.

PROFESSORS:

BELL, J. F. W., PH.D., F.PHYS.D., A.M.I.E.E., Physics and Engineering
BROADBENT, T. A. A., M.A., Mathematics
DOWSON, A. G., F.I.M., PH.D., Chemistry and Metallurgy
EDWARDS, J., Nuclear Physics
LLOYD, C. C., M.A., F.R.HIST.S., History and English
MORLEY, A. W., M.SC., PH.D., F.R.AE.S., Applied Mechanics
PAFFETT, J. A. H., M.R.I.N.A., R.C.N.C., Naval Architecture
TRAUNCE, M. (Cmdr.), Marine Engineering

NATIONAL COLLEGES

National College of Agricultural Engineering: Silsoe, Bedford; Tel. Silsoe 428; 3-year residential course leading to College Associateship in professional Agricultural Engineering; post-qualifying courses; Chair. of Board of Governors Sir GILBERT FLEMMING, K.C.B.; Principal P. J. C. PAYNE, M.SC., PH.D., M.I.AGR.E., M.A.S.A.E.

National College of Food Technology: St. George's Avenue, Weybridge, Surrey; f. 1951; Principal J. D. MOUNFIELD, O.B.E., M.SC.TECH., PH.D., F.R.I.C.; Registrar H. VIZARD ROBINSON.

National College for Heating, Ventilating, Refrigeration and Fan Engineering: at Borough Polytechnic, Borough Road, London, S.E.1; f. 1948; diplomas and associateships are awarded to full-time students of the College; Dir. J. E. GARSIDE, PH.D., M.SC.; Head D. R. SCOTT, M.SC., PH.D., F.INST.P.; Clerk to the Govs. F. J. PACKER, F.C.I.S., A.M.B.I.M.; 18 full-time academic staff, 12 visiting lecturers; 300 full-time students, 300 evening students.

National College of Rubber Technology: Holloway Road, London, N.7; one-year postgraduate and three-year undergraduate courses leading to the college associateship and the Associateship of the Institution of the Rubber Industry; four-year sandwich associateship course in rubber; one-year postgraduate and three-year undergraduate courses leading to Associateship of the Plastics Institute; postgraduate research leading to fellowships, and higher university degrees; Dir. J. LEICESTER, M.SC., M.SC.(TECH.), PH.D., F.R.I.C.; Head of College F. H. COTTON, PH.D.

National Foundry College: Stafford Street, Wolverhampton, Staffs.; full-time diploma course (two years); Head of College J. BAMFORD, B.SC.

National Leathersellers College: 176 Tower Bridge Road, London, S.E.1; f. 1909; two- and three-year diploma course to full-time students; Principal J. P. DANBY, PH.D.; Registrar W. G. GENTLE.

Royal College of Art: Kensington Gore, London, S.W.7; f. 1837 as School of Design; Schools of Painting, Sculpture, Graphic Design, Furniture Design, Textile Design, Ceramics, Silversmithing and Jewellery Design, Fashion Design, Interior Design, Engineering Design; Departments of Stained Glass, Industrial Glass, Film and Television Design, and General Studies; approx. 500 students; Principal Sir ROBIN DARWIN, C.B.E., D.LITT.; Registrar J. R. P. MOON, M.A.

London Graduate School of Business Studies: Northumberland Avenue, London, W.C.2; f. 1965; courses for postgraduate students in management studies with emphasis on academic disciplines; first course February 1966.

Principal: A. F. EARLE.

Professors: R. J. BALL, M. E. BEESLEY, A. W. MCINTOSH, P. G. MOORE, H. ROSE.

BUSINESS COLLEGES

Manchester Business School: c/o University of Manchester, Oxford Road, Manchester 13; f. 1965; ten appointments to the council and eight academic appointments to the council have been made; first course commenced September 1965.

Oxford Centre for Management Studies: c/o Oxford University, Oxford; f. 1965; to be independent of, but linked with, the University; to award the Certificate of Management Studies and a proposed B.Phil. in Management Studies; Chair. of the Council D. N. CHESTER, C.B.E., M.A.

REGIONAL TECHNICAL COLLEGES

(As designated by the Department of Education and Science, London)

Borough Polytechnic: Borough Road, London, S.E.1; f. 1891; departments of Electrical and Electronic Engineering, Mechanical Engineering, Chemistry and Chemical Technology, Physics, Mathematics, Baking Technology and Food Science and Technology.

Principal: J. E. GARSIDE, M.SC.TECH., PH.D., F.R.I.C., F.I.M., F.INST.F.

Number of teachers: 161 full-time, 385 visiting lecturers.

Number of students: 467 full-time, 7,090 part-time.

Brighton College of Technology: Moulsecoomb, Brighton, 7.

Principal: G. E. WATTS, C.B.E., M.A., PH.D., B.SC., F.R.I.C.

Registrar: R. E. HAWKER, D.S.C., F.C.C.S.

Number of students: 750 full-time, 800 part-time.

Hatfield College of Technology: Hatfield, Herts.; f. 1952.

Principal: W. A. J. CHAPMAN, M.SC.(ENG.), PH.D., M.I.MECH.E., M.I.PROD.E.

Number of teachers: 125.

Number of students: 2,500.

Huddersfield College of Technology: Queensgate, South Huddersfield, Yorks.; f. 1841.

Principal: Dr. W. E. SCOTT, M.B.E., M.SC., PH.D., F.R.I.C.

The library contains approx. 28,000 volumes and 230 periodicals.

Number of teachers: 209 full-time, 400 part-time.

Number of students (approx.): 931 full-time, 3,225 part-time, 2,956 evening only.

Kingston College of Technology: Penrhyn Road, Kingston upon Thames; f. 1899.

Principal: L. E. LAWLEY, PH.D., F.INST.P.

Lambeth, Brixton, L.C.C. School of Building: Ferndale Road, London, S.W.4.

Principal: D. A. G. REID, B.SC.(ENG), M.I.C.E., M.I.STRUCT.E., A.I.O.B.

Number of students: 560 full-time, 5,400 part-time.

Lanchester College of Technology: Coventry; f. 1960.

Principal: A. J. RICHMOND B.SC. (ENG), PH.D., M.I.MECH.E.

Librarian: E. G. BAXTER, M.A., A.L.A.

Registrar: F. A. W. KNIGHT.

HEADS OF DEPARTMENTS:

Mechanical: B. B. OVERY, M.A., M.SC., A.M.I.MECH.E.

Production: R. L. ASTON, M.I.MECH.E., M.I.PROD.E., F.G.S.

Electrical: L. KAY, B.SC., PH.D., A.M.I.E.E.

Aeronautical: H. G. CUMING, M.A., PH.D., D.I.C., A.F.R.AE'S.

Civil Engineering and Building: H. E. WALKER, M.ENG., A.M.I.C.E., M.I.MUN.E.

Town Planning: J. C. HOLLIDAY, B.A., M.T.P.I.

Chemistry and Metallurgy: M. E. FOSS, B.SC., PH.D., F.R.I.C.

Biological Studies: R. BARRASS, B.SC., PH.D., M.I.BIOL.

Applied Physics: F. J. PEARSON, B.SC., PH.D., A.INST.P.

Mathematics: R. WOOLRIDGE, M.C., B.SC.

Management and Business Studies: W. F. FRANK, B.COM., LL.B., M.SC.(ECON.), DR.JUR., M.B.I.M.

Languages and Social Science: W. F. GUTTERIDGE, M.B.E., M.A., DIP.ED.

The library contains 16,000 volumes and 800 periodicals.

Number of teachers: 206.

Number of students (approx.): 1,150 full-time, 1,200 day, 800 evening, 3,500 short advanced courses.

Leeds College of Technology (Leeds Education Committee): Calverley Street, Leeds 1; f. 1824 as Mechanics Institute, Leeds.

Principal: J. F. DICKENSON, B.SC.(ENG), PH.D., A.M.I.MECH.E., A.M.I.MAR.E.

Registrar: H. C. B. COUNSELL.

No resident students. Full- and part-time day courses and evening courses.

Leicester College of Technology: Leicester; full-time degree and diploma courses in Engineering, Chemistry, Physics, Mathematics, Pharmacy, Biology, Business and Management Studies, Textiles and Boot and Shoe Manufacture; 5,800 (full-time, part-time, day and evening) students.

Principal: R. E. WOOD, M.SC., F.INST.P.

Registrar: A. MARTIN, F.C.I.S.

Liverpool College of Building: Clarence Street, Liverpool, 3.

Principal: T. E. HALL, DIP.ARCH., A.R.I.B.A., A.I.O.B.

Number of students: 400 full-time, 3,300 part-time.

Liverpool College of Technology: Byrom Street, Liverpool. 3; f. 1901; Regional College of Technology for Merseyside; professional and postgraduate courses in Chemistry, Biology, Nuclear Studies, Physics, Mechanical, Production, Electrical and Marine Engineering, Pharmacy, Industrial Administration, and Navigation.

Principal: S. A. J. PARSONS, B.SC. (ECON.), M.I.MECH.E., M.I.PROD.E., M.B.I.M.

North Staffordshire College of Technology: College Road, Stoke-on-Trent, Staffs.

Principal: Dr. W. E. LEWIS, B.SC., PH.D., A.M.I.E.E.

Northern Polytechnic: Holloway Road, London, N.7; f. 1892, opened 1896; Departments of Architecture, Chemistry, Physics, Biology, Mathematics, Home Economics and Electronics.

Principal: J. LEICESTER, M.SC., M.SC.(TECH.), PH.D., F.R.I.C.

Secretary: R. H. CURRELL, F.C.A.

Library of 24,000 volumes.

Number of teachers: 154 full-time, 94 part-time.

Number of students: 3,662 part-time, 914 full-time.

Nottingham and District Technical College: Burton Street, Nottingham.

Principal: D. A. R. CLARK, M.SC. (TECH.), M.I.MECH.E., M.B.I.M., A.F.R.AE.S.

Number of students: 525 full-time, 7,724 part-time.

Plymouth College of Technology: Tavistock Road, Plymouth.

Principal: E. BAILEY, B.SC., A.M.I.CHEM.E., F.R.I.C.

Number of students: 1,390 full-time, 6,424 part-time.

Polytechnic, The St. Marylebone: 309 Regent Street, London, W.1; f. 1882; study courses of very wide range: departments of architecture, surveying, town planning, art, chemistry and biology, commerce, cookery and needlecraft, civil and mechanical engineering, electrical engineering, management studies, mathematics and physics, modern languages, and photography.

Director of Education: J. E. RICHARDSON, C.B.E., PH.D., B.ENG., M.I.E.E., A.M.I.MECH.E.

Secretary and Clerk to Governors: E. W. D. H. EARLE, B.A., CERT.ED.

Librarian: E. R. MCCOLVIN, A.L.A.

Number of students: 2,000 full-time, 13,000 part-time.

Publication: *The Polytechnic Magazine* (monthly).

Portsmouth College of Technology: Hampshire Terrace, Portsmouth.

Principal: W. DAVEY, B.SC., PH.D., F.R.I.C.

Number of students: 664 full-time, 1,430 part-time.

Rugby College of Engineering Technology: Eastlands, Rugby, Warwicks.; Tel. Rugby 4601–2; a college of technology concerned with Degree and Dip.Tech. courses, postgraduate courses and research. Sandwich courses for B.Sc.(Eng.) and Dip. Tech.(Eng.) in electrical engineering and mechanical engineering, and for Dip.Tech. Applied Physics. Full-time courses for B.Sc. (Special) Mathematics and B.Sc. (General).

Principal: G. S. ATKINSON, B.SC., PH.D.

Number of students: *c.* 600 undergraduates.

Rutherford College of Technology: Newcastle upon Tyne.

Principal: J. S. ELLIOTT, M.I.MECH.E., M.I.PROD.E., F.R.S.A.

Number of teachers: 135.

Number of students: 3,000.

Sir John Cass College: Jewry Street, Aldgate, London, E.C.3; f. 1902.

Principal: A. M. WARD, D.SC., PH.D.

Number of teachers: recognised by the University of London: 17. Total number: 114.

Number of students: registered with the University of London: 644. Total number: 4,562.

South East Essex College of Technology: Longbridge Road, Dagenham.

Principal: F. HEATHCOAT, J.P., M.SC., PH.D., F.R.I.C.

Number of teachers: 584.

Number of students: 8,707.

Sunderland Technical College: Sunderland; f. 1901; affiliated to the University of Newcastle upon Tyne; full-time degree courses in pure sciences and pharmacy (in association with London University), civil, electrical, marine and mechanical engineering (in association with University of Newcastle upon Tyne); research facilities for advanced degrees; Diploma courses in naval architecture and C.N.A.A. Degree courses in applied physics, civil engineering and electrical engineering; library of 20,000 vols., 300 current periodicals.

Principal: M. HUTTON, PH.D., F.I.M.A.

Registrar: D. S. GOODALL, M.A.

Treforest, Glamorgan College of Technology: Llantwit Road, Treforest, Pontypridd, Glamorgan.

Principal: D. P. EVANS, M.SC., PH.D., F.R.I.C., M.B.I.M.

West Ham College of Technology: Romford Road, Stratford, London, E.15; f. 1898.

Principal: Dr. C. BULMER, M.A., PH.D., F.R.I.C.

Number of teachers recognised by the University of London: 6. Total number: 98 (full-time), 102 (part-time).

Number of students registered with the University of London: 400. Total number: 2,500.

Woolwich Polytechnic: Wellington Street, Woolwich, London, S.E.18; f. 1890.

Principal: H. HEYWOOD, D.SC., PH.D., A.C.G.I., WH.SCH., M.I.MECH.E., M.I.CHEM.E.

Number of teachers recognised by the University of London: 9. Total number: 300.

Number of students registered with the University of London: 589. Total number: 4,500.

SCHOOLS OF ART

Barber Institute of Fine Art: The University of Birmingham, Edgbaston, Birmingham 15; f. 1939 to promote knowledge of art and the study of the history of art and music within the university; sculpture, paintings, and drawings in the Art Gallery; Dir. Prof. E. K. WATERHOUSE.

Birmingham College of Art and Crafts: Aston Road, Gosta Green, Birmingham 6; f. 1821; number of students: 933 full-time, 2,926 part-time; Schools of Architecture, Dress Design, Embroidery and Textiles, Furniture, Gold and Silversmithing, Jewellery, Illustration and Commercial Design, Industrial Design, Painting, Painting and Decorating, Photography, Ceramics, Sculpture, Teacher Training, Theatre Design, Town Planning; library of 15,000 vols.; Principal M. W. HAWES, A.R.C.A., N.R.D., A.R.W.S., F.R.S.A.; Librarian L. E. DAVIES, A.L.A.

Brighton College of Art and Crafts: Grand Parade, Brighton; f. 1865 in part of the Royal Pavilion, transferred to present building on its opening in 1877; recognised by the Ministry of Education as providing a complete training for the Diploma in Art and Design in Fine Art and Graphic Design; courses in all areas of study; teaching staff: 33 full-time, 113 part-time; students: 397 full-time, 1,604 part-time; Principal R. T. COWERN, A.R.A., R.W.S., R.E., A.R.C.A.; Dir. of Education W. G. STONE, M.A.; Registrar A. E. SAUNDERS, A.C.I.S.; Librarian L. G. WILLMOT, M.A., F.L.A.

Central School of Arts and Crafts: Southampton Row, London, W.C.1; f. 1896; depts.: Fine Art (Painting, Sculpture, Stained Glass and Etching), Graphic Design, Industrial Design (Engineering) and Furniture, Ceramics, Textile and Theatrical Design, library of 12,000 vols.; Principal M. PATTRICK, F.R.I.B.A., A.A.DIP.; Vice-Principal P. BIRD, B.A., A.T.D.; Sec. L. J. H. PRUCE, F.C.C.S.; Librarian R. MURRY; 2,000 students.

Chelsea School of Art: Manresa Road, London, S.W.3; f. 1895; drawing, painting, sculpture, graphic design, fabric design; Principal F. BRILL.

City and Guilds of London Art School: 124 Kennington Park Road, London, S.E.11; f. 1879; the school is one of the enterprises controlled and financed by the City and Guilds of London Institute (inc. by Royal Charter), an association formed in 1878; Chair. Major L. M. E. DENT, D.S.O.; full- and part-time courses; Painting, Sculpture, Engraving, Lithography, Lettering, Woodcarving; day, evening and Sunday classes; number of teaching staff: 10.

Edinburgh College of Art: Lauriston Place, Edinburgh, 3; f. 1907; Schools

of Architecture, Town and Country Planning, Drawing and Painting, Design and Crafts, Sculpture; Principal W. G. GILLIES, C.B.E., R.S.A., R.S.W.; Vice-Principal T. ELDER DICKSON, M.A., PH.D., D.A., F.R.S.E.; Sec. J. R. BROWN, J.P., F.C.I.S.

Glasgow School of Art, The: 167 Renfrew Street, Glasgow, C.3; f. 1840; a college of art with a comprehensive curriculum embracing the many recognised branches of the Fine, Graphic and Applied Arts; Hon. Pres. (Vacant); Chair. of Govs. J. D. KELLY, C.B.E., D.L., C.A.; Dir. H. JEFFERSON BARNES, DIP.FINE ART (LOND.); Sec. and Treas. D. C. BLACK, C.A.

Goldsmith's College (*School of Art*): Lewisham Way, New Cross, S.E.14; f. 1893; number of teachers: 60; students: 500 (full-time, part-time and evening); Principal P. F. MILLARD, R.B.A.

Heatherley School of Fine Art: 33 Warwick Square, London, S.W.1; f. 1845; school for painting, drawing and sculpture; 116 students; Principal F. PARKINSON.

Leicester College of Art: Leicester; f. 1870; Faculties of Architecture, Building, Fine Art, Fashion and Textiles, Graphic Design and Printing, Industrial Design, Teacher Training; Depts. of Foundation Garment and Lingerie Design, Metal and Silver Design, Wood and Furniture Design, Ceramics, Interior Design, Sculpture; 3,000 (full-time, part-time day and evening) students; Principal E. E. PULLÉE, A.R.C.A., A.S.I.A.(ED.), F.S.A.E., D.A. (MANC.) HON.; Registrar A. MARTIN, F.C.I.S.; Librarian F. C. ADEY, F.L.A.; library of 14,000 vols.

Manchester Regional College of Art: All Saints, Manchester, 15; f. 1838; instruction in Architecture, Art teaching, Dress, Embroidery, Fine Art, Graphic Design, Interior Design, Pottery, Product Design, Textiles and Sculpture; 1,700 students; library of over 7,000 vols.; Principal J. H. HOLDEN, A.R.C.A., A.T.D., R.B.S.A.; Vice-Principal B. C. C. HIRST, A.T.D.; Keeper of the College Galleries CLAIRE P. BRADLEY; Librarian S. A. WATSON, A.L.A.; Registrar W. BOUTALL.

Nottingham College of Art and Design: Waverley Street, Nottingham; f. 1843; full-time Diploma in Art and Art Design, courses in Fine Art (Painting and Sculpture) and Fashion/Textiles (fashion the chief subject); B.A. hons. Degree Course in Fine Art and Art History in association with Nottingham University; Diploma and Certificate courses in Town and Country Planning; full-time Theatre Design Course; vocational courses; Principal R. LYON, D.A.(GLAS.), F.R.S.A.

Royal Academy Schools: Burlington House, Piccadilly, London, W.1; f. 1768; Schools of Painting, Sculpture and Architecture; Keeper P. GREENHAM, R.A.; Sec. H. BROOKE, B.A., B.LITT.; Curator W. WOODINGTON.

Royal College of Art: Kensington Gore, London, S.W.7; f. 1837; Principal Sir ROBIN DARWIN, C.B.E., D.LITT.; 500 students; *see also* National Colleges.

Ruskin School of Drawing and of Fine Art: Ashmolean Museum, Oxford; f. 1871; classes in Drawing, Painting, Design, Lithography, Anatomy, History of European Painting; the University of Oxford offers a certificate to students satisfying examiners in these subjects (course 3 years); 80 students; Principal P. HORTON, M.A., A.R.C.A.

St. Martin's School of Art: 109 Charing Cross Road, London, W.C.2; f. 1854; depts. of Advertising and Commercial Design, Dress Design (including Fashion Drawing), Millinery, Drawing and Painting, Illustration, Sculpture; 3,000 students; Principal E. J. MORSS, R.B.A., R.O.I., A.R.C.A.

School of Architecture, Architectural Association: 34–36 Bedford Square, London, W.C.1; instituted 1847; Principal W. A. ALLEN, B.ARCH., A.R.I.B.A.; 350 students.

Slade School of Fine Art: University College, Gower Street, London, W.C.1; f. 1871; courses of study in Drawing, Painting and Sculpture, with the history of these arts; instruction is given in Etching and Engraving, Illumination, in Lithography and in Theatrical Design; students may follow a four-year course leading to the Univ. of London Diploma in Fine Art; 240 students; Slade Prof. Sir WILLIAM COLDSTREAM, C.B.E.; Sec. I. E. TREGARTHEN JENKINS, M.A.

West of England College of Art: Queen's Road, Bristol, 8; f. 1853; opened as a Regional Art College 1936; classes in Lithography, Design, Commercial Art, Weaving and Embroidery, Painting, Sculpture, Engraving, Dress Design, etc.; 1,000 students; Principal J. CHALKER, A.R.C.A., R.B.A.

SCHOOLS OF MUSIC AND DRAMATIC ART

Birmingham School of Music: Birmingham and Midland Institute, Paradise Street, Birmingham, 1; f. 1866; Principal G. CLINTON; Sec. E. A. KNIGHT.

Bristol Old Vic Theatre School: 1 and 2 Downside Road, Clifton, Bristol; in association with the Bristol Old Vic Company and Drama Dept. of the Univ. of Bristol; courses in acting, design and technical aspects of the theatre; Principal N. BRENNER.

Central School of Speech and Drama: Embassy Theatre, Swiss Cottage, N.W.3; staff 30 (approx.), students 250 (approx.); three departments: stage, teaching of speech and drama, speech therapy; a non-profit-making school supported entirely by fees; Principal GWYNNETH THURBURN, O.B.E., F.C.S.T.; Registrar VERA SARGENT.

Guildhall School of Music and Drama: John Carpenter Street, London, E.C.4; f. by the Corporation of London in 1880 and administered by the Music Cttee.; Professorial staff 120; students 1,400 (approx.); Principal G. THORNE M.A., MUS.B., F.G.S.M., F.R.C.O.; Sec. E. H. DAY, M.A., HON. G.S.M.; Registrar J. ISARD, HON. G.S.M.

London Academy of Music and Dramatic Art: Tower House, Cromwell Road, London, S.W.5; f. 1861 as a non-profit-making association for the promotion of art; Founder T. H. YORKE TROTTER, M.A., MUS.DOC.; Principal M. MACOWAN; professional theatrical training.

Royal Academy of Dramatic Art (R.A.D.A.): 62 Gower Street, London, W.C.1; f. 1904; two-year course leading to the R.A.D.A. Diploma; Principal H. CRUTTWELL.

Royal Academy of Music: Marylebone Road, London, N.W.1; f. 1822; inc. by Royal Charter 1830; professorial staff 140; students 750–800, full-time study only; Pres. H.R.H. The DUCHESS OF GLOUCESTER; Principal Sir THOMAS ARMSTRONG, M.A., D.MUS., F.R.C.M.; Warden M. FOGGIN, F.R.A.M., HON.R.C.M.; Sec. H. S. CREBER, HON.F.R.A.M.; publs. *R.A.M. Magazine* (3 times a year), *L.R.A.M. Syllabus* (annually).

Royal College of Music: Prince Consort Road, South Kensington, London, S.W.7; f. 1883; 550 pupils; Dir. K.

FALKNER, F.R.C.M., R.A.M. (HON.), G.S.M. (HON.); Registrar J. R. STAINER, B.A., MUS.B. (CANTAB.), F.R.C.M., F.R.C.O.; Bursar Capt. J. T. SHRIMPTON, C.B.E., R.N. (retd.).

Royal College of Organists: Kensington Gore, London, S.W.7; f. 1864, inc. by Royal Charter 1893; Pres. Sir JACK WESTRUP, M.A., D.MUS.; Hon. Treas. W. COLE, D.MUS.; Hon. Sec. Sir WILLIAM MCKIE, M.V.O., M.A., D.MUS.; Clerk J. W. HUGHES.

Royal Manchester College of Music: Devas Street, Oxford Road, Manchester, 15; f. 1893, inc. by Royal Charter 1923; Principal F. R. COX, O.B.E., M.A., R.A.M. (HON.), R.C.M. (HON.).

Royal Military School of Music: Kneller Hall, Twickenham, Middlesex; a military school established 1857 for the purpose of training the non-commissioned officer for the position of bandmaster and young soldiers as solo performers; 50 students, 250 pupils; Commandant Col. A. A. N. TUCK, M.B.E.; Dir. of Music Lt.-Col. B. H. BROWN, M.B.E., A.R.C.M.; Adjutant Major R. D. PITT, M.B.E.

Royal School of Church Music: Addington Palace, Croydon, Surrey; f. by the late Sir Sydney Nicholson in 1927, inc. 1930; Chair. of Council The BISHOP OF ELY; Dir. G. H. KNIGHT, M.A., D.MUS., F.R.C.O., A.D.C.M.; Warden D. HOLMAN, B.MUS., A.R.A.M., F.R.C.O. (Chm.); 7,250 choirs affiliated to the R.S.C.M. in all parts of the world; publ. *RSCM News* and *Promoting Church Music* (quarterly), *English Church Music* (annually).

Royal Scottish Academy of Music: St. George's Place, Glasgow, C.2; f. 1890 as The Glasgow Athenæum, became The Scottish National Academy of Music 1929 and The Royal Scottish Academy of Music 1944; teaching staff 80; 800 students (approx.); Principal H. HAVERGAL, M.A. (OXON.), B.MUS. (EDIN.), HON. D.MUS., HON. R.A.M., HON. R.C.M.; Sec. J. B. MORRISON, M.B.E.

College of Dramatic Art: f. 1950 as an integral part of the Academy; teaching staff 20; 160 students (approx.); Dir. C. CHANDLER, DIP. R.A.D.A.; Sec. J. B. MORRISON, M.B.E.

Trinity College of Music: Mandeville Place, London, W.1; f. 1872; several scholarships, prizes, and awards are awarded annually; Pres. Sir JOHN BARBIROLLI; Chair. Sir WILLIAM MCKIE, M.V.O., M.A., MUS.D., F.T.C.L.; Principal W. GREENHOUSE ALLT, C.B.E., MUS.D., F.T.C.L., F.R.C.O.; Sec. C. A. CORK, B.MUS., F.T.C.L.

AGRICULTURAL COLLEGES

College of Estate Management: St. Alban's Grove, Kensington, W.8; f. 1919; courses for B.Sc.(Est. Man.) degree and for professional societies dealing with the use, development, valuation, and management of land and buildings.

Principal: R. JARDINE BROWN, M.A., LL.B., D.LITT.

Secretary: P. N. BROOK.

Registrars: Mrs. K. M. ALEXANDER (internal students), R. A. FOOTMAN, B.A. (external students).

Number of students (day and evening): 750.

Edinburgh and East of Scotland College of Agriculture: *see* Edinburgh University.

Harper Adams Agricultural College: Newport, Shropshire; courses for National and College diplomas in Agriculture and Poultry Husbandry (2 years); diploma in Poultry Technology (3 years).

North of Scotland College of Agriculture: *see* Aberdeen University.

Royal Agricultural College: Cirencester, Glos.; f. 1846; College Diplomas in Agriculture and Estate Management, and National and Professional qualifications.

Principal: F. H. GARNER.

Seale-Hayne Agricultural College: Newton Abbot, Devon; diploma courses in General Agriculture and Dairying; a postgraduate or post diploma course in Farm Management and ten-week courses in Agricultural Work Study.

Shuttleworth College: Old Warden Park, nr. Biggleswade, Bedfordshire; f. 1944; farms 810 acres, estate of 4,700 acres; residential college for 150 men students; one-year farming course and two-year course in preparation for College and National Diplomas in Agriculture.

Principal: K. N. RUSSELL, B.SC. (AGRIC.), N.D.A. (HONS.), N.D.D. (HONS.).

Studley College: Studley, Warwickshire; an agricultural and horticultural college for women; two-year diploma courses in Agriculture and Horticulture, leading ultimately to N.D.D. or N.D.H.; one-year Farm Secretarial courses.

West of Scotland Agricultural College: *see* Glasgow University.

Wye College: *see* University of London.

NORTHERN IRELAND

Population 1,425,400

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Belfast Natural History and Philosophical Society: Old Museum Buildings, 7 College Square North, Belfast; f. 1821; 91 mems.; Hon. Sec. JOHN GRANT; publs. *Proceedings* and *Reports*.

Arts Council of Northern Ireland, The: 1 Joy Street, Belfast 2; f. 1943; the aims and policy of the Council are to provide throughout Northern Ireland art exhibitions of first-class works, dramatic, musical and ballet performances of the highest standard, and poetry and story readings; Pres. J. RITCHIE MCKEE; Dir. Mrs. S. E. CAPPER; publ. *Annual Report*.

Observatory, The: Armagh; f. 1790 by Primate Robinson; it possesses an 18/12-in. Schmidt telescope, a 10-in. refractor, two special meteor cameras and, together with Dunsink Observatory, a 36/32-in. telescope in South Africa; library of 4,000 vols.; Dir. E. M. LINDSAY; Research Associate Dr. E. J. OPIK; Asst. Astronomer A. D. ANDREWS; Sec. Miss SHEELAGH GREW; publ. *Armagh Observatory Contributions* and leaflets.

Philharmonic Society: 58 Howard Street, Belfast; f. 1874; the object of this society is to encourage the performance of music, including symphony and choral concerts; 800-900 mems. and subscribers; Pres. ROBERT WATTS, C.B.E., M.C.; Sec. R. LESLIE BELL, B.COM.SC., F.C.A.

LIBRARIES

Belfast Library and Society for Promoting Knowledge (Linen Hall Library): Donegal Square North, Belfast; f. 1788; over 150,000 vols.; 2,500 mems. and subscribers; special features are the Gibson Collection of Burns and Burnsiana, the Ewart Collection of books on textile manufactures, Belfast-printed books, etc., and the Belshaw Collection; Librarian JAMES W. VITTY.

Belfast Public Libraries: Central Public Library, Royal Avenue, Belfast; 9 branch libraries and 3 part-time centres; f. 1888; 456,000 volumes. Reference Group of Libraries 172,000 volumes; special collections: General Reference 44,000 volumes; Irish Library 31,000 books, pamphlets and MSS. on all aspects of Ireland, Ulster and Belfast; Commercial and Technical Library 10,000 volumes in public collection and Patents Collection of 18,000 volumes; Music Library 8,000 volumes and scores; Bibliographic Department 3,000 volumes of subject bibliography; Book Headquarters Collection (Central Reserve) 75,000 volumes; Central Lending Library 55,000 volumes; microfilm holdings; photocopying apparatus; City Librarian I. A. CRAWLEY, F.L.A.

Magee University College Library: Londonderry; f. 1865; 60,000 books and pamphlets; special collections: Spalding Collection on Eastern civilisations, Irish Collection, Irish Presbyterianism, Londonderry Local Collection, and Incunabula; MSS. include Steward, Deuchanel and Witherow Collections; Librarian HENRY J. HEANEY, B.A., A.L.A.

Public Library: Armagh; f. 1771 by Primate Richard Robinson; Ref. Dept. about 30,000 vols., Lending Dept. about 10,000; Dean Swanzy's special collection of genealogical works and Army Lists; history, theology, philosophy; largely antiquarian; MSS. include collection of Primatial Registers from 1362; Keeper to be appointed; Deputy Librarian K. M. HAMILTON, M.A., J.P.

Queen's University Library: Belfast; f. 1849; 400,000 books and pamphlets; special collections: Hibernica Collection (incl. R. M. Henry Collection, O'Rahilly Collection), Antrim Presbytery Library, MacDowall Collection (Philology), Hamilton Harty Music Collection, Ross (Rosenzweig) Hebrew Collection; Librarian P. HAVARD WILLIAMS, M.A.

In addition to the above libraries, each of the six counties has its own County Library.

MUSEUMS

Belfast Transport Museum: Witham Street, Belfast; opened June 1962; Curator R. B. BEGGS; collection represents development of Irish Land Transport (Road and Rail) from about 1840.

County Museum: The Mall, Armagh; f. 1935; collection of material illustrative of local history and antiquities; Curator D. R. M. WEATHERUP, F.M.A.

Queen's University: Belfast; has the following six museums, Herbarium, Classical Archæology, Geology, Materia Medica, Medicine and Zoology.

Ulster Folk Museum: 109 Royal Avenue, Belfast, 1; in 1958 legislation was passed in the Northern Ireland Parliament to establish a Folk Museum under a Board of Trustees consisting of representatives from central and local government and the Queen's University, Belfast. Substantial financial support comes from central and local government funds; Chair. of Board of Trustees The Rt. Hon. Alderman R. G. C. KINAHAN, J.P., Lord Mayor of Belfast; Dir. G. B. THOMPSON, M.SC., F.M.A.

Ulster Museum: Stranmillis, Belfast; est. under municipal management 1888 with opening of Central Public Library; transferred to own building 1929; since April 1962 administered by Board of Trustees as national museum; Dir. W. A. SEABY, F.S.A., F.M.A.; contains collections of fine and industrial arts, coins, medals, Irish antiquities, ethnography, and natural history.

UNIVERSITIES AND COLLEGES

QUEEN'S UNIVERSITY OF BELFAST

UNIVERSITY ROAD, BELFAST 7

Telephone: Belfast 30111.

Founded as Queen's College in 1845, received University Charter in 1908.

Chancellor: Sir TYRONE GUTHRIE, D.LIT., LL.D., D.F.A.

President and Vice-Chancellor: M. GRANT, C.B.E., M.A., LITT.D., F.S.A.

Secretary: G. R. COWIE, M.A., LL.B., J.P.

Bursar: G. D. BURLAND, B.A., B.COMM., A.C.A.

Librarian: P. HARVARD-WILLIAMS, M.A., A.L.A., A.N.Z.L.A.

Number of teachers: 504, including 61 professors.

Number of students (1964-65): 4,764.

Publication: *The Queen's University of Belfast Gazette* (termly).

DEANS:

Faculty of Arts: P. CRANMER, M.A., F.R.C.O.

Faculty of Science: Prof. D. A. BATES, M.SC., D.SC., M.R.I.A., F.R.S.

Faculty of Law: L. A. SHERIDAN, LL.D., PH.D.

Faculty of Medicine: Prof. J. H. BIGGART, C.B.E., D.SC., M.D., F.R.C.P.

Faculty of Economics: Prof. J. R. PARKINSON, B.COM.

Faculty of Applied Science and Technology: B. CROSSLAND, PH.D., D.SC., M.I.MECH.E., A.F.R.Ae.S.

Faculty of Theology: Prof. M. J. BOYD, M.A.

Faculty of Agriculture: P. A. LINEHAN, D.SC., M.AGR., A.R.C.S.I.

PROFESSORS:

Faculty of Arts:

ATKINSON, KATHLEEN, M.T., M.A., F.S.A., Ancient History
BARNWELL, H. T., M.A., D. DE L'UNIV., French
BATES, D. R., M.SC., D.SC., M.R.I.A., F.R.S., Applied Mathematics
BECKETT, J. C., M.A., M.R.I.A., Irish History
BLACK, R. D. C., M.A., PH.D., Economics
BOYD, M. J., M.A., Latin
CRANMER, P., M.A., F.R.C.O., Music
DALGARNO, A., PH.D., Quantum Mechanics
EVANS, E. E., M.A., D.SC., SC.D., F.S.A., M.I.R.A., M.T.P.I., Geography
GALLIE, W. B., M.A., Logic and Metaphysics
HARVEY, W. J., M.A., English
HINDERKS, H. E., M.A., D.PHIL., German
HUXLEY, G. L., M.A., F.S.A., Greek
JOPE, E. M., M.A., F.S.A., Archæology
KNOX, H. M., M.A., PH.D., Education
PARKINSON, J. R., B.COM., Applied Economics
ROBERTS, M., M.A., D.PHIL., FIL.DR., F.B.A., Modern History
SETH, G., M.A., PH.D., F.B.PS.S., Psychology
TERRY, A. H., M.A., Spanish
VERBLUNSKY, S., PH.D., Mathematics
WAGNER, H H., D.PHIL., Celtic
WARRENDER, J. H., M.A. Political Science

Faculty of Science:

BATES, D. R., M.SC., D.SC., M.R.I.A., F.R.S., Applied Mathematics
BIGGART, J. H., C.B.E., D.SC., M.D., F.R.C.P., Pathology
BROWNE, J. C., PH.D., Computer Science
CARR, D. J., M.SC., PH.D., Botany
DALGARNO, A., PH.D., Mathematical Physics
DICK, G. W. A., M.D., F.R.C.P.(EDIN.), M.R.C.P.(LOND.), M.P.H., D.SC., Microbiology
EMELEUS, K. G., C.B.E., M.A., PH.D., SC.D., D.SC., M.R.I.A., Physics
EVANS, E. E., M.A., D.SC., SC.D., F.S.A., M.R.I.A., M.T.P.I., Geography
HARRISON, D. C., PH.D., D.SC., A.R.I.C., Biochemistry
HENBEST, H. B., PH.D., D.I.C., A.R.C.S., D.SC., F.R.I.C., Organic Chemistry
JOPE, E. M., M.A., F.S.A., Archæology
KEMBALL, C., M.A., PH.D., SC.D., F.R.I.C., F.R.S., Physical Chemistry
OWEN, G., D.SC., Zoology
PRITCHARD, J. J., M.R.C.S., L.R.C.P., M.A., D.M., Anatomy
RODDIE, I. C., M.D., D.SC., M.R.C.P.I., Physiology
SETH, G., M.A., PH.D., F.B.PS.S., Psychology
VERBLUNSKY, S., PH.D., Mathematics
WILLIAMS, A., PH.D., F.G.S., M.R.I.A., F.R.S.E., Geology
WILSON, C. L., M.SC., PH.D., D.SC., F.R.I.C., F.I.C.I., Analytical Chemistry

Faculty of Law:

NEWARK, F. H., C.B.E., B.C.L., M.A., Civil Law
SHERIDAN, L. A., LL.B., LL.D., PH.D., Comparative Law
TWINING, W. L., M.A., J.D., Jurisprudence

Faculty of Medicine:

BIGGART, J. H., C.B.E., D.SC., M.D., F.R.C.P., Pathology
BULL, G. M., M.D., F.R.C.P., Medicine
CARR, D. J., M.SC., PH.D., Botany
CARRÉ, I. J., M.A., M.D., M.R.C.P., D.C.H., Child Health
CHEESEMAN, E. A., PH.D., Medical Statistics
DICK, G. W. A., M.D., D.SC., F.R.C.P., M.R.C.P., M.P.H. (EDIN.), F.C. PATH., Microbiology
DUNDEE, J. W., M.D., PH.D., D.A., F.F.A.R.C.S., Anæsthetics
EMELEUS, K. G., C.B.E., M.A., PH.D., SC.D., M.R.I.A., Physics
GIBSON, J. G., M.D., M.R.C.P., D.P.M., Mental Health
HARRISON, D. C., PH.D., A.R.I.C., D.SC., Biochemistry
HENBEST, H. B., PH.D., D.I.C., A.R.C.S., D.SC., F.R.I.C., Organic Chemistry
KEMBALL, C., M.A., PH.D., SC.D., F.R.I.C., F.R.S., Physical Chemistry
OWEN, G., D.SC., Zoology
PEMBERTON, J., M.D., M.R.C.P.(LOND.), D.P.H., Social and Preventive Medicine
PINKERTON, J. H. McK., M.D., F.R.C.O.G., Midwifery and Gynæcology
PRITCHARD, J. J., M.R.C.S., L.R.C.P., M.A., D.M., Anatomy
RODDIE, I. C., M.D., D.SC., M.R.C.P.I., Physiology
RODGERS, H. W., O.B.E., F.R.C.S., Surgery
SCOTT, J. H., L.D.S., M.D., D.SC., F.F.D., R.C.S., Dental Anatomy
STOY, P. J., B.D.S., F.D.S.R.C.S., Dentistry
WADE, O. L., M.A., M.D., M.R.C.P., Therapeutics and Pharmacology
WILSON, C. L., M.SC., PH.D., D.SC., F.R.I.C., F.I.C.I., Inorganic and Analytical Chemistry

Faculty of Economics:

BLACK, R. D. C., M.A., PH.D., Economics
EVANS, E. E., M.A., D.SC., SC.D., F.S.A., M.R.I.A., M.T.P.I., Geography
GALLIE, W. B., M.A., Logic and Metaphysics
PARKINSON, J. R., B.COM., Applied Economics
SETH, G., M.A., PH.D., F.B.PS.S., Psychology
VERBLUNSKY, S., PH.D., Mathematics
WARRENDER, J. H., M.A., Political Science

Faculty of Applied Science and Technology:

BATES, D. R., M.SC., D.SC., M.R.I.A., F.R.S., Applied Mathematics
BOOTHROYD, A. R., PH.D., A.M.I.E.E., Electronics
BROWNE, J. C., PH.D., Computer Science
CARR, D. J., M.SC., PH.D., Botany
CHARLTON, T. M., M.A., M.I.C.E., M.I.C.E.I., Civil Engineering
CROSSLAND, B., PH.D., D.SC., M.I.MECH.E., A.F.R.Ae.S., Mechanical Engineering
DALGARNO, A., PH.D., Mathematical Physics
EMELEUS, K. G., M.A., PH.D., SC.D., M.R.I.A., Physics
HENBEST, H. B., PH.D., D.I.C., A.R.C.S., D.SC., F.R.I.C., Organic Chemistry
KEMBALL, C., M.A., PH.D., SC.D., F.R.I.C., Physical Chemistry
OWEN, G., D.SC., Zoology
POTTER, J. A., B.A., F.R.I.B.A., Architecture
STEPHENS, A. V., M.A., F.R.AE.S., Aeronautical Engineering
VERBLUNSKY, S., PH.D., Pure Mathematics
WALLACE, F. J., M.SC., PH.D., M.I.MECH.E., Thermodynamics and Fluid Mechanics
WELLS, A. A., PH.D., A.M.I.MECH.E., A.M.I.W., Structural Science
WILLIAMS, A., PH.D., F.G.S., M.R.I.A., Geology
WILSON, C. L., M.SC., PH.D., D.SC., F.R.I.C., F.I.C.I., Inorganic and Analytical Chemistry

Faculty of Agriculture:

CARR, D. J., M.SC., PH.D., Botany
CHARLTON, T. M., M.A., A.M.I.MECH.E., Civil Engineering
EMELEUS, K. G., M.A., PH.D., SC.D., M.R.I.A., Physics
HENBEST, H. B., PH.D., D.I.C., A.R.C.S., D.SC., F.R.I.C., Organic Chemistry
KEMBALL, C., M.A., SC.D., F.R.I.C., Physical Chemistry
LAMONT, H. G., O.B.E., D.SC., M.R.C.V.S., Comparative Pathology
LINEHAM, P. A., D.SC., M.AGR., A.R.C.SC.I., Agricultural Botany
OWEN, G., D.SC., Zoology
WILLIAMS, A., PH.D., F.G.S., M.R.I.A., Geology
WILSON, C. L., M.SC., PH.D., D.SC., F.R.I.C., F.I.C.I., Inorganic Analytical Chemistry
(Vacant—Agricultural Chemistry, Crop and Animal Husbandry, Agricultural Plant Pathology)

Faculty of Theology:
Boyd, M. J., M.A., Latin
Gallie, W. B., M.A., Logic and Metaphysics
Huxley, G. L., M.A., F.S.A., Greek

MAGEE UNIVERSITY COLLEGE
LONDONDERRY

Telephone: Londonderry 4861.

Opened in 1865. During the existence of the Royal University of Ireland (1879-1908) the college was one of the five recognised institutions composing that university. Since 1909 it has been connected with the University of Dublin, and since 1951 it has also been a Recognised College of the Queen's University of Belfast. The College will in due course be incorporated into Northern Ireland's second university, to be situated at Coleraine, County Londonderry.

President: Prof. W. G. Guthrie, M.A., PH.D., F.R.A.S.
Vice-President: J. G. Clark, B.A., D.DE.L'U. (PARIS).
Secretary of Faculty: Prof. F. J. Lelièvre, M.A.
Bursar: Prof. J. L. McCracken, M.A., PH.D.
Registrar: F. Smyth, LL.B.
Librarian: H. J. Heany, A.L.A.

Number of teachers: 29, including 6 professors.
Number of students: 300 full-time.

HEADS OF DEPARTMENTS:

Clark, J. G., B.A., D. DE L'U. (PARIS), French
Edwards, O. H., M.A., D.PHIL., German
Garmany, J. W., M.A., Economics
Guthrie, W. G., M.A., PH.D., F.R.S.E., F.R.A.S., Mathematics and Natural Philosophy
Lelièvre, F. J., M.A., Greek and Latin
McCourt, D., M.A., PH.D., Geography
McCracken, J. L., M.A., PH.D., History
Nicholl, H. F., M.A., M.LITT., Mental and Moral Philosophy
Warner, A. J., M.A., PH.D., English

THE PRESBYTERIAN COLLEGE
BELFAST

Founded 1847. Also known as Assembly's College, the Faculty of which, with the Theological Professors in Magee Theological College, Londonderry, the other College of the Presbyterian Church in Ireland, constitutes the Presbyterian Theological Faculty, Ireland, and grants the theological degrees of B.D. and D.D. It is situated in close proximity to Queen's University. This institution is for the training of students for the Ministry of the Presbyterian Church.

Principal: Rev. Prof. J. L. M. Haire, M.A., M.TH., D.D.
Vice-Principal and Secretary: Rev. Prof. J. M. Barkley, M.A., PH.D., D.D.
Warden: Rev. Prof. E. A. Russell, B.A., B.D., M.TH.
Librarian: Mrs. Martin.

Library: 20,000 vols.

Number of teachers: 8, including 5 professors.
Number of students: 30 men.

PROFESSORS:

Barkley, Rev. J. M., M.A., PH.D., D.D., Church History, Symbolics
Boyd, Rev. J. R., B.A., B.D., Practical Work
Haire, Rev. J. L. M., M.A., M.TH., D.D., Systematic Theology and Apologetics
McFadden, J. A., M.A., Biblical Theology
Russell, Rev. E. A., M.A., M.TH., New Testament Language, Literature and Theology

THE COLLEGE OF TECHNOLOGY
BELFAST

Erected by the Council of the County Borough of Belfast, under the control of the Education Committee. Founded 1901. Opened in 1907.

Principal: D. H. Alexander, O.B.E., M.SC., WH.SCH., M.I.MECH.E.
Vice-Principal: J. F. Gillies, O.B.E., PH.D., M.I.E.E., F.INST.P.
Registrar: R. Hodgett.

DIRECTORS OF HIGHER ENGINEERING STUDIES:

Boothroyd, A. R., PH.D., A.M.I.E.E., S.M.I.E.E., Electrical Engineering
Crossland, B., PH.D., D.SC., M.I.MECH.E., A.F.R.AE.S., Mechanical Engineering

GREAT BRITAIN
OVERSEAS TERRITORIES

ADEN

LEARNED SOCIETIES

British Council, The: 1 Front Bay, Sh. Abdul-Latif Road, Crater; Rep. W. E. N. KENSDALE.

Aden Society of Arts: Aden; sections on Arts, Music, History and Archaeology.

BAHAMAS

LIBRARIES

There are three public libraries in Nassau and 27 in the Out Islands.

COLLEGE

Queen's College: Nassau; 374 students.

BERMUDA

LEARNED SOCIETIES

The Bermuda Society of Arts: Art Gallery, City Hall, Hamilton; f. 1946; 260 mems.; Pres. GILBERT COOPER, M.C.P.; Sec. Dr. GABRIELE HUMBERT PARKER; Treas. NAT SIMPKINS; Curator CHRISTIAN A. LAELY.

Bermuda Historical Monuments Trust: Hamilton, a government body in charge of colonial archives and concerned with the preservation of historical buildings, etc.; Chair. Dr. HY. C. WILKINSON, C.B.E.; Archivist H. G. MIDDLETON, M.B.E., B.SC.

Bermuda Historical Society: Par-la-Ville, Hamilton; 180 mems.; Pres. A. E. GOSLING; Hon. Sec. N. P. GATES; assists publ. of *Bermuda Historical Quarterly*.

Bermuda Technical Society: c/o B.E.L. Co., Hamilton; Secretary DOUGLAS S. BREWER, c/o B.E.L. Co.

Royal Commonwealth Society, Bermuda Branch: c/o Bank of Bermuda, Hamilton; Hon. Sec. IAN ESSLEMONT.

St. George's Historical Society: St. George; 115 mems.; Pres F. ROBERTS; Sec. E. LARRY.

RESEARCH INSTITUTES

Bermuda Agricultural Experimental Station: Paget East, Hamilton; f. 1898; Dir. G. R. GROVES, A.H.R.H.S.; Staff: I. W. HUGHES, M.SC.(AGRIC.) (Asst. Dir.), E. A. MANUEL, B.SC.(AGRIC.), D.I.C. (Plant Pathologist), J. H. JONES (Horticulturalist), D. J. MOORE (Supt. Botanical Gardens), F. C. HOLLIS (Agricultural Officer), E. E. SHEPPARD (Marketing Officer); publs. *Annual Report, Bulletin* (monthly), occasional special reports.

Bermuda Biological Station: St. George's West; f. 1903; the station is working on marine biology and oceanography; Chancellor H.E. The GOVERNOR; Pres Dr ALFRED C REDFIELD; Dir. W. H. SUTCLIFFE, Jr.; publ. *Contributions of the Bermuda Biological Station*.

LIBRARIES AND MUSEUMS

Bermuda Archives: Par-la-Ville, P.O. Box 432, Hamilton; Archivist: H. G. MIDDLETON, M.B.E., B.SC.

Bermuda Library: Hamilton; f. 1839; consists of reference, circulating and junior departments; serves schools throughout Bermuda; 85,573 vols.; Librarian Miss MARY GRAY, B.A., B.L.S., br. libraries in St. George's and Somerset.

Government Aquarium, Museum and Zoo: The Flatts; live zoological collection, local natural history and other exhibits; Curator LOUIS MOWBRAY.

Henry Tucker House: Hamilton; under the management of the Bermuda Historical Monuments Trust.

BRUNEI

COLLEGES

Adult Education Centres: Brunei Town, Kuala Beilat and Seria.

Sultan Omar Ali Saifuddin College: Brunei Town; library of 5,530 vols.; teachers: 63, students: 1,233.

Principal: I. B. MCKNIGHT, B.SC., A.I.M.

Publications: *Seri Berunai, S.O.A.S. College Magazine* (Annual).

FIJI (WESTERN PACIFIC)

LEARNED SOCIETIES

British Council, The: Fiji Tading Company Building, P.O. Box 56, Suva; Rep. J. M. G. HALSTED; library of 10,000 vols.

Fiji Society, The: Suva; f. 1936; is concerned with subjects of historic, scientific and antiquarian interest to Fiji; publ. *Transactions*.

LIBRARIES AND MUSEUM

Carnegie Library: Suva; public lending library; 14,000 vols.

Library Service of Fiji, Western Regional Library: Lautoka, Viti Levu; f. 1964; 15,000 vols.; 3. brs.; Librarian R. L. PEARCE, F.L.A.

Ramkrishna Library: Nandi; f. 1927; books, periodicals, Braille literature, gramophone records, films, film strips, micro-films; Librarian D. KRISHNAMURTI.

Fiji Museum: Suva; contains archæological and ethnological collections relating to Fiji, the Solomon Islands, and other islands of the South-West Pacific; Dir. Dr. R. KESAVAN NAIR.

COLLEGES

Fiji School of Medicine: Tamavua, Suva; f. 1886, reorganised as Central Medical School 1928; five-year courses in medicine, three-year courses in dentistry, pharmacy and physiotherapy; two-year courses in radiology and hygiene; post-graduate courses.

Principal: Dr. K. J. GILCHRIST.

Number of students (1965): 193.

Nasinu Training College: Suva.

GIBRALTAR

LEARNED SOCIETIES

The Gibraltar Society: John Mackintosh Hall, Gibraltar; f. 1929; for the advancement of general knowledge of Gibraltar and its environs; 115 mems.; Chair. Dr. E. A. Imossi; Hon. Sec. E. A. J. Canessa.

Calpe Institute, The: 277 Main Street; f. 1944; Centre to foster cultural, educational and recreational facilities in Gibraltar; there is also a lending library with some 5,000 vols.; Pres. H.E. The Governor; Dir. E. A. C. Hunt.

LIBRARIES AND MUSEUM

Gibraltar Garrison Library: f. 1793; extensive reference section, 38,000 vols.; Sec. E. F. E. Ryan.

Calpe Institute Library: 277 Main Street; lending library with 5,000 vols.

Gibraltar Museum: Ordnance House, Bomb House Lane; founded 1930; controlled by a Committee of Management appointed by the Governor, houses an important collection of local palaeolithic remains; Curator M. McEwen.

HONG KONG

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council, The: Gloucester Building, Hong Kong; Rep. R. E. Lawry; Kowloon; 23/25 Nathan Road.

Hong Kong Council for Educational Research: c/o University of Hong Kong; f. 1961; independent body founded to stimulate research and to conduct research studies on various aspects of education in the Colony; publishes its findings; Chair. Prof. Norman K. Henderson, PH.D., B.A., M.ED., A.B.PS.S., F.C.P.

Hong Kong Library Association: c/o University Library, University of Hong Kong; Chair. H. A. Rydings, publ. *Bulletin*.

Institute of Higher Studies: New Asia College, Farm Road, Kowloon; library contains microfilm set of 2,720 rare Chinese books held in the Library of Congress, Washington, D.C., U.S.A.

Institute of Oriental Studies: attached to the Dept. of Chinese, Hong Kong University; Dir. H. L. Lo, B.A.; Asst. Curator M. Lau, B.A., DIP.ED., M.A.; Principal of Language School M. Ma, B.A.

Mencius Educational Foundation: 172/174 Boundary Street, Kowloon; incorporates Mencius Hostel, Warden T. H. Ma; Mencius Library 90,000 vols.; Chair. of Foundation F. K. Pan, PH.D.; Exec. Sec. Long-Tin Lo, B.SC. (Acting).

Royal Observatory: Hong Kong; f. 1884; library of 5,000 vols.; Dir. Dr. I. E. M. Watts; publs. *Meteorological Results* (annually), *Seismological Bulletin* (monthly), *Occasional Memoirs and Technical Notes*.

LIBRARIES

British Council Libraries: Hong Kong; 14,500 vols.; Kowloon, 7,500 vols.

Chung Chi College Library: Ma Liu Shui, New Territories; f. 1951; 55,307 vols. in Oriental languages, 22,722 vols. in Western languages; 395 Western periodicals, 115 Chinese.

Hok Hoi Library: f. 1923; private library; 34,000 vols. Chinese books.

Hong Kong Junior Chamber of Commerce Libraries: twenty-four branch libraries for children.

Mencius Library: 172 Boundary Street, Kowloon; 90,000 vols.; Librarian Steven Ku.

Institute of Higher Studies Library: New Asia College, Farm Road, Kowloon; microfilms of 2,720 rare Chinese books held in the Library of Congress, Washington, D.C., U.S.A.

Public Libraries: City Hall, Edinburgh Place, Victoria; f. 1962; *and* Cambridge Court, Waterloo Road, Kowloon; f. 1965; joint book-stock of 50,000 vols. in English, 100,000 vols. in Chinese; 300 periodicals; adult, reference and junior libraries; Librarian John S. Bristow, F.L.A.

University of Hong Kong Library: f. 1911; contains about 126,000 vols. in Western languages, including the Hankow and Morrison collections; over 1,400 current periodicals; Librarian H. A. Rydings, M.B.E., M.A., A.L.A.; Dep. Librarian G. W. Bonsall, M.A.

Füng Ping Shan Library: in the same building; about 124,000 vols. in Chinese and other oriental languages.

UNIVERSITIES AND COLLEGES

UNIVERSITY OF HONG KONG

HONG KONG

Telephone: 432-321

Founded 1912.

Chancellor: H.E. The Governor of Hong Kong.
Vice-Chancellor: Alexander James Smith McFadzean, O.B.E., M.D., F.R.C.P., M.R.C.P., J.P.
Vice-Chancellor Designate: Kenneth Ernest Robinson, M.A., F.R.HIST.S.
Pro-Vice-Chancellor: Prof. Y. C. Wong, O.B.E., B.SC., PH.D., D.SC., J.P.
Registrar: B. Mellor, M.A., J.P.
Librarian: H. A. Rydings, M.B.E., M.A., A.L.A.

Number of teaching staff: 269 full-time and 66 part-time staff.

Number of Students: 1,700.

Publications: *Calendar, Handbook of the Matric. Exam., Matric. Exam. Question Papers, Departmental Reports, Journal of Oriental Studies, Univ. Gazette, Contemporary China, Union Magazine* (students).

DEANS:

Faculty of Arts: Prof. A. W. T. Green, M.A.
Faculty of Science: Prof. W. D. Chesterman, D.SC., F.INST.P., F.R.P.S.
Faculty of Medicine: Prof. A. R. Hodgson, M.B., CH.B., F.R.C.S., F.A.C.S.
Faculty of Engineering and Architecture: Prof. S. Mackey, M.E., B.SC., PH.D., M.I.C.E., M.I.STRUCT.E., F.G.S.

PROFESSORS:

Chang, K. S. F., M.SC., PH.D., (Anatomy).
Cheng, K. K., M.B., B.S., PH.D., F.C.PATH. (Physiology).
Chesterman, W. D., D.SC., F.INST.P., F.R.P.S., (Physics).
Chun, Miss D. W., O.B.E., M.B., B.S., F.R.C.S., F.R.C.O.G., J.P. (Obstetrics and Gynæcology).
Davis, S. G., M.SC., PH.D., F.G.S. (Geography).
Field, Miss C. E., M.D., F.R.C.P. (Pædiatrics).
Gibson, J. B., M.D., F.R.C.P., M.C.PATH. (Pathology).
Green, A. W. T., M.A., (English).
Gregory, W. G., B.ARCH., A.R.I.B.A. (Architecture).
Harrison, B., M.A. (History).
Henderson, N. K., M.ED., PH.D., A.B.PS.S., F.C.P. (Education).
Hodgson, A. R., M.B., CH.B., F.R.C.S., F.A.C.S. (Orthopædic Surgery).
Mackey, S., M.E., PH.D., M.I.C.E., M.I.STRUCT.E., F.G.S. (Civil Engineering).
McFadzean, A. J. S., O.B.E., M.D., F.R.C.P., M.R.C.P., J.P., (Medicine).
Miller, J., PH.D. (Chemistry).
Ong, G. B., M.D., M.B., B.S., F.R.C.S., F.A.C.S., (Surgery).
Phillips, J. G., PH.D. (Zoology).
Teng, P. H., O.B.E., M.B., B.S., D.P.H. (Preventive Medicine).
Thrower, L. B., M.SC., PH.D. (Botany).
Walsh, E. O'Farrell, PH.D., F.P.S., F.R.I.C., (Biochemistry).
Wong, Y. C., O.B.E., PH.D., D.SC. (Mathematics).

THE CHINESE UNIVERSITY OF HONG KONG

HANG SENG BANK BUILDING, NATHAN ROAD, KOWLOON, HONG KONG

Telephone: Hong Kong 802321
Telegrams: Sinoversity Hong Kong

Founded 1963

Chung Chi College, New Asia College and United College of Hong Kong are Foundation Colleges of the University (*see below*). A new campus to house the University is to be built at Ma Liu Shui, on an adjoining site to Chung Chi College, but it is not expected to be complete before 1974. The Constitution provides for a federal university and the principal language of instruction will be Chinese.

Chancellor: H.E. Sir DAVID TRENCH, K.C.M.G., M.C., B.A., Governor of Hong Kong.
Vice-Chancellor: CHOH-MING LI, B.A., M.A., PH.D.
Pro-Vice-Chancellor: C. T. YUNG, B.SC., PH.D., LL.D.
Registrar: H. T. WU, M.A.
Treasurer: Q. W. LEE.

Number of teachers (1964): 217.
Number of students (1964): 1,368

FACULTIES:

Faculties of Arts, Science, Commerce and Social Science.

PROFESSORS:

Chung Chi College:
CHOU, F. K., B.A., M.A. (Chinese Language and Literature).
CHOU, K. R., B.A., PH.D. (Economics and Business Administration).
FEHL, N. E., B.A., B.D., M.A., PH.D. (History and Geography).
HENSMAN, BERTHA, B.A., M.A., PH.D., D.PHIL. (English Language and Literature).
LI, H. L., B.SC., M.SC., PH.D. (Biology).

New Asia College:
HSU, B. S., B.SC., PH.D. (Physics).
MOU, J. S. (History).
TANG, C. I., B.A. (Philosophy and Sociology).

United College:
CHEN, C. S., B.A., D.SC. (History and Geography).

Chung Chi College: Ma Liu Shui, New Territories; f. 1951 by Protestant Churches and Missions in Hong Kong; now receives aid from Hong Kong Government; course in Arts, Science and Business Administration.

President: C. T. YUNG, PH.D., LL.D.

Number of teachers: 92 (74 full-time).
Number of students: 300 men, 233 women, total 533.

New Asia College; Farm Road, Kowloon; f. 1950; Chinese; Acting President T.-C. OU; 500 students.

United College of Hong Kong: Hong Kong; f. 1956; Chair. Hon. FUNG PING-FAN, O.B.E., K.ST.J., J.P.; Pres. T. C. CHENG, B.A., M.A., DIP.ED., J.P.

Eurasia Institute of Technology: 22–36 Wai Ching Street, Jordan Pier, Kowloon.

Hong Kong Technical College: Hunghom, Kowloon, Hong Kong; courses in accountancy and book-keeping, commercial design, dyeing and finishing, electrical engineering, industrial chemistry, management, marine engineering, mechanical engineering, naval architecture, navigation, refrigeration, secretarial work, production engineering, surveying and building technology, structural engineering, telecommunications, textile technology.

Principal: SING-ZAK SUNG, B.SC., A.M.I.MECH.E., M.A.S.E.E., M.I.MAR.E., M.I.NUC.E., 1,270 full-time day students, 10,288 part-tiem day and evening students.

Northcote Training College: Hong Kong; f. 1939; teacher training for 400 students.

MAURITIUS

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Académie Mauricienne de Langue et de Littérature: Curepipe; 16 life members; Sec. C. DE RAUVILLE.

British Council, The: Royal Road, Rose Hill, Port Louis; Rep. D. H. PRITCHARD; library of 10,250 volumes.

Mauritius Institute: P.O. Box 54, Port Louis; f. 1880; administered by a Board appointed by the Governor; research centre for the study of the local fauna and flora; a public library and two museums are also attached to the Institute; Director J. VINSON, O.B.E., F.M.A., DIP.AGRIC.; publs. *Annual Reports, Bulletin.*

Royal Society of Arts and Sciences of Mauritius: Mauritius Institute, Port Louis; f. 1829; Royal title 1847; 4 honorary, 14 corresponding and 107 ordinary mems.; Pres. J. VINCENT, O.B.E.; Hon. Sec. R. ANTOINE; publ. *Proceedings.*

Société de l'Histoire de l'Ile Maurice: Mauritius Institute, Port Louis; f. 1938; 120 ordinary mems.; Pres. OCTAVE BECHET; Hon. Sec. FERDINAND DALAIS; publs. *Bulletin, Dictionary of Mauritian Biography.*

Société de Technologie Agricole et Sucrière de Maurice: Sugar Industry Research Institute, Réduit; f. 1910; 322 mems.; Pres. RENÉ NOËL; Hon. Sec. MAURICE RANDABEL; publ. *La Revue Agricole et Sucrière de Maurice.*

Sugar Industry Research Institute: Réduit; f. 1953; research on cane breeding, agriculture, soils, diseases, pests, botany and sugar manufacture; Dir. P. O. WIEHE, C.B.E., D.SC.; 12 senior research workers; publs. *Annual Report, Bulletins,* occasional papers.

LIBRARIES AND MUSEUMS

Mauritius Archives: Sir William Newton Street, Port Louis; f. 1815; contains records of the French Administration (1721-1815) and the British Administration (1810 onwards); comprises Divisions of Manuscript Records, Printed Records, Notarial Registry, Land Registry and Maps and Plans, and a Photographic Service; Chief Archivist Dr. A. TOUSSAINT, O.B.E.; publs. *Annual Reports, Memoranda of Books, Bulletin.*

Mauritius Institute Public Library: P.O. Box 54, Port Louis; f. 1902; 40,000 vols., including an extensive collection of books, articles and reports on Mauritius; Librarian S. JEAN-FRANÇOIS, B.A., A.L.A.

Municipal Library: Port Louis; 31,000 vols.

Carnegie Library: Curepipe; 22,000 vols.; Librarian C. DE RAUVILLE.

Port Louis Museum: Mauritius Institute, Port Louis; comprises a Natural History Museum; f. 1885; collections of fauna, flora and geology of Mauritius and of the other islands of the Mascarene region.

Art Gallery: Mauritius Institute, Port Louis; f. 1922; includes works of local artists. Curator C. MICHEL, B.SC., A.M.A.

Historical Museum: Mahebourg; f. 1950; a branch of the Mauritius Institute; comprises collection of old maps, engravings, water-colours and naval relics of local interest, exhibited in an 18th-century French house.

The Mauritius Herbarium: Sugar Industry Research Institute, Réduit; f. 1960; public herbarium for education and research; specialises in flora of Mascarene Islands.

UNIVERSITY AND COLLEGE

University of Maruitius: Port Louis; f. 1965; Vice-Chancellor Dr. L. J. HALE.

College of Agriculture: Réduit; f. 1923; enlarged 1956; Principal E. LIMFAT, M.SC., M.S.A.E., A.M.I.AGR.E., A.M.I.CHEM.E., A.C.G.I.; diplomas in tropical agriculture, sugar technology and sugarcane agriculture; 24 lecturers; 81 students.

SOLOMON ISLANDS

COLLEGES

British Solomons Training College: Honiara.

Goldie Theological College: Banga, P.O. Munda; for High School and Pastor training in British Solomons and Eastern New Guinea, supported by the Methodist Church of New Zealand; Principal J. F. Cropp.

St. Peter's Theological College: Siota; supported by the Anglican Church.

TERRITORIES IN SOUTHERN AFRICA

REGIONAL

THE UNIVERSITY OF BASUTOLAND, BECHUANALAND PROTECTORATE AND SWAZILAND

P.O. ROMA, MASERU, BASUTOLAND, SOUTHERN AFRICA

Telephone: Roma 5

The University was established by Royal Charter on the 1st January, 1964. It is the successor to Pius XII College, which was established in 1945. Instruction is in English. The Extension Department co-operates closely with the Governments of Basutoland, Bechuanaland Protectorate and Swaziland. The academic year runs from March to November.

The University does not exclude anyone on the grounds of race, religion, sex, or country of origin, and the present student body is drawn from Basutoland, Bechuanaland Protectorate, Swaziland, The Republic of South Africa, Southern Rhodesia, Malawi, Kenya and Zambia.

Chancellor: Sir Hugh Stephenson, K.C.M.G., C.I.E., C.V.O. O.B.E.

Vice-Chancellor: J. W. Blake, M.A.

Pro-Vice-Chancellor: D. A. Tuohy, M.A.

Registrar: J. M. Normand, M.A.

Librarian: J. Hutton, B.A., LL.B.

Library of 40,500 volumes.

Number of teachers (1964): 35.

Number of students (1964): 220.

Professors:

Macleay, K. N. G., PH.D., F.L.S. (Botany).
Stuart, D. D., M.A., U.E.D. (English).
Sutton, D. A., A.R.C.S., PH.D., F.R.S.A. (Chemistry).
Turner, J. D., M.A., DIP.ED. (Education).

BASUTOLAND

AGRICULTURAL TRAINING SCHOOL

MASERU

Agricultural Education Officer: C. M. K. Seape.
Deputy Director: J. H. Rhodes.

Specialist Officers:

Agricultural Officer (Research): Dr. H. Weinman.
Principal Veterinary Officer: Dr. N. N. Raditapole.
Animal Husbandry Officer: C. Mills.
Veterinary Officer: Dr. D. C. L. Wacher.
Public Relations Officer: J. Presswood.

TECHNICAL SCHOOLS

There are technical schools at Lerotholi and Leloalang. At Lerotholi there is a post-secondary commercial course for the training of government clerical officers, and for Basuto entering commerce.

BECHUANALAND PROTECTORATE

RESEARCH INSTITUTES

Geological Survey Department: Lobatsi; prepares geological maps, conducts mineral surveys and develops underground water resources.

Veterinary Services: P.O. Box 251, Mafeking; also laboratories at Ramathlabama; small veterinary school; Dir. J. Falconer.

TEACHER TRAINING COLLEGE

Completed in 1958. Number of students: 116.

SWAZILAND

RESEARCH INSTITUTES

Agricultural Research Station: P.O.B. 4, Malkerns; Dep. Dir. (Research) P. A. Jones, O.B.E., M.A.

Department of Agriculture: P.O. 162, Mbabane; Dir. A. C. Venn, O.B.E.; Dir. of Botanical Survey Prof. R. H. Compton, M.A., HON. F.R.H.S.

Geological Survey and Mines Department: P.O. Box 9, Mbabane; f. 1942; activities include the mapping of the territory (now completed on a scale of 1 : 50,000), the investigation of mineral occurrences by prospecting, detailed mapping and diamond drilling; Dir. D. N. Davies, O.B.E., M.SC. (Rand.), B.SC. (Stellenbosch); Senior Geologist D. R. Hunter, M.SC. (London), F.G.S.

Health Office and Tuberculosis Control Centre: Manzini; Dir. of Medical Services B. D. Whitworth.

Mpisi Cattle Breeding Experimental Station: Mpisi; to improve indigenous Nguni cattle; Dir. Dr. A. C. Yenn, O.B.E.

LIBRARIES

There are Public Libraries at Mbabane, Bremmersdorp, Goedgegun and Hlatikulu.

TONGA

Teachers' Training College: Nuku'alofa.

WEST INDIES GROUP

LEARNED SOCIETIES AND RESEARCH INSTITUTES

BARBADOS

Historical Society: *see under* Barbados Museum.

BRITISH GUIANA

British Council, The: 125 Carmichael Street, P.O. Box 365, Georgetown; assists cultural and educational groups in the Colony through the distribution of periodicals and educational films to various organisations in Georgetown and the rural districts; br. at New Amsterdam; Rep. S. C. Alexander.

Royal Agricultural and Commercial Society, The: Georgetown.

United States Information Services: Georgetown.

BRITISH HONDURAS

Association for the Improvement of Management, The: Belize City.

British Council, The: 67 Albert Street, P.O. Box 331, Belize City; Rep. I. L. Watts.

The Baron Bliss Institute: Belize City; handed to the Government by the Baron Bliss Trust in 1954; has a dramatic stage and auditorium, lecture rooms, an

exhibition hall; houses the Central Library of the British Honduras Library Service and the Extra-Mural Department of the University of the West Indies.

LIBRARIES

BARBADOS

Public Library: Bridgetown; maintained by the Government; approx. 62,000 vols.

University of the West Indies Library: Bridgetown; f. 1965; 9,700 vols.; Librarian SHIRLEY BARROW.

BRITISH GUIANA

Royal Agricultural and Commercial Society Library: Georgetown; 14,235 vols.

British Council Library: Georgetown; 5,638 vols.; br. at New Amsterdam, 645 vols.

Public Free Library: Georgetown; 90,302 vols.; brs. 36,959 vols.

United States Information Services Library: Georgetown; 5,000 vols.

BRITISH HONDURAS

British Honduras Library Service: Bliss Institute, Belize City; the Central Library contains a reference section, lending section, a National collection, a reading room and a Technical library; total book-stock 44,000 vols.; there is a separate children's library; the Library Service also controls 8 branches and 51 sub-libraries; Chief Librarian LEO H. BRADLEY.

LEEWARD ISLANDS

St. John's Public Library: St. John's, Antigua; over 19,000 vols.

Montserrat Public Library: Plymouth, Montserrat; over 1,390 mems.; 8,319 vols.

WINDWARD ISLANDS

Central Library: Castries, St. Lucia.; br. at Soufrière.

MUSEUMS

BARBADOS

Barbados Museum and Historical Society: St. Ann's Garrison; est. 1933; the museum contains collections illustrating the island's prehistory, history, natural history and marine life; and furniture, silver, china and glass typical of plantation homes; children's gallery; the Society's library specialises in Barbadiana and West Indiana; Dir. NEVILLE CONELL, M.A.; publs. *Journal*, *Bulletin* (both twice yearly).

BRITISH GUIANA

British Guiana Museum: Cultural Centre, North Street, Georgetown; f. 1853 by the Royal Agricultural and Commercial Society; considered to be the finest of its kind in the Caribbean; aquarium; the arts and crafts of the Amerinds and Wai Wai tribes; archaeological collections and magnificent specimens of the Colony's birds and animals; Dir. VINCENT ROTH, O.B.E.; publ. *Journal* (half-yearly).

British Guiana Zoological Park: Botanical Gardens, Georgetown; f. 1952; an adjunct of the British Guiana Museum; Supt. J. S. LEE.

UNIVERSITIES AND COLLEGES

BARBADOS

UNIVERSITY OF THE WEST INDIES

COLLEGE OF ARTS AND SCIENCE

P.O. BOX 64, BRIDGETOWN

Founded 1963.

The College is at present non-residential and is situated on a temporary site at the Deep Water Harbour until 1967. It is an integral part of the University of the West Indies and is intended to serve the dependent territories of the Eastern Caribbean. The teaching programme covers General Honours Degree in Arts and Natural Sciences in a limited range of subjects.

Principal and Pro-Vice-Chancellor: S. L. MARTIN, M.SC., A.R.C.S., D.I.C., F.R.I.C.

Secretary: A. A. ARCHER, M.S.A., F.C.I.C., F.R.I.C.

Librarian: SHIRLEY BARROW, B.A., A.L.A.

Vice-Dean and Chairman, Division of Survey Courses and Social Sciences: S. R. R. ALLSOPP, M.A., PH.D., DIP.ED.

Chairman, Division of Natural Sciences: M. O. CAMPBELL, M.A., PH.D.

Number of teachers: 31.
Number of students: 185.

CODRINGTON COLLEGE

Telephone: 95-226

Founded 1745; affiliated to Durham University 1875; recognised as the Provincial Theological College of the West Indies 1946; administered by the Community of the Resurrection since 1955.

Number of teachers: 6.
Number of students: 30.

Visitor: Most Rev. The Lord ARCHBISHOP OF THE WEST INDIES.

Principal: Rev. ANSELM GENDERS, C.R., M.A.

Vice-Principal: Rev. W. D. WHEELDON, C.R., B.A.

BRITISH GUIANA

UNIVERSITY OF GUYANA

P.O. BOX 841, GEORGETOWN

Telephone: 4965, 3977

Founded 1963

Chancellor: EDGAR MORTIMER DUKE, C.B.E., LL.B.

Vice-Chancellor and Principal: LANCELOT HOGBEN, M.A., D.SC., LL.D., F.R.S.

Deputy Vice-Chancellor and Vice-Principal: HAROLD A. DRAYTON, PH.D.

Secretary and Bursar: E. A. GILBERT.

Librarian: Mrs. YVONNE STEPHENSON.

Number of students: an annual intake of 150-220 is expected during the first five years; the first students arrived in October 1963.

DEANS:

Faculty of Arts: Prof. DAWES.

Faculty of Social Sciences: Prof. DAVIS.

Faculty of Natural Sciences: Prof. MacEWAN.

Faculties of Medicine and Law are designated under the University's second five-year plan.

Government Technical Institute: Georgetown; f. 1951; courses for craftsmen and technicians; commercial education, navigation and seamanship; Principal P. C. A. POORAN, A.M.I.MECH.E.; 45 teachers, 1,071 students.

Domba Trade School, Mackenzie; f. 1958; City and Guilds of the London Institute courses in mechanical engineering craft practices; Principal EDWIN ELCOAT; 2 teachers, 18 part-time and 24 full-time students.

BRITISH HONDURAS

Fletcher College: Cotozal; f. 1963; 4 teachers, 50 students; Principal Rev. JOHN A. MAKEY, B.A.

Wesley College: Belize City; 13 teachers, 325 students.

GREECE

Population 8,388,553

In all cases where the name of a town is not given, the address is Athens.

ACADEMY

Akadimia Athinon (*Academy of Athens*): Odos Panepistimiou; f. 1926.

President: G. ATHANASSIADIS NOVAS.
Vice-President: C. TSATSOS.
Secretary-General: A. C. ORLANDOS.
Secretary for Proceedings: H. VENEZIS.

PRESIDENT OF SECTIONS:

Positive Sciences: C. ALEXOPOULOS.
Literature and Fine Arts: S. KOUGEAS.
Moral and Political Sciences: C. TRIANTAFYLLOPOULOS.
Chief of Bureau: (Vacant).

Library of 50,000 vols.
Number of members: 65.
Publications: *Praktika* (*Proceedings* — annually), *Pragmatie* (Memoirs), *Historical Dictionary of the Greek Language*, etc.

LEARNED SOCIETIES

GENERAL

Archæologiki Hetairia (*Archæological Association*): Odos Panepistimiou 22; f. 1837; publs. *Archæologiki Ephimeris* (periodical), *Praktika* (annual), *Archæological Library* (series of 50 vols.), *Ergon* (annual) 1954-62; library of 30,000 vols.

British Council: 17 Philikis Etairias, P.O. Box 488, Athens 138; Rep. R. A. CLOSE, O.B.E.; library; branch at Salonika, Dir. H. S. HARVEY.

Goethe Institute: Odos Omerou 13, Athens; f. 1952; Dir. Dr. F. RÜMELIN, LL.B.; 5 brs.

Hellenic Geographical Society: f. 1919; 80 mems.; Pres. D. T. NOTI BOTZARIS; Gen. Sec. Dr. DIOMEDES HARALAMBOUS; publ. *Bulletin.*

Historical and Ethnological Society: Old Palace, Constitution Square; f. 1883; Pres. D. T. NOTI BOTZARIS; Sec.-Gen. VLAD T. KOLOKOTRONIS.

Institut Français d'Athènes: 29-31 Odos Sina, Athens 144; Dir. H. EHRET; publ. *Bulletin Analytique de Bibliographie Hellénique* (irregular).

Istituto Italiano di Cultura: Patission 47, Athens; Dir. Prof. UMBERTO CIANCIOLO.

Society for the Study of Social and Political Problems: Odos Amerikis 16A; f. 1923.

Society for Byzantine Studies: Odos Massalias 4; f. 1919; 450 mems.; Pres. P. POULITSAS; Sec.-Gen. N. B. TOMADAKIS; publ. *Epetiris Etairias Byzantinon Spoudon* (annual).

Svenska Institutet i Athen (*Swedish Institute*): 29 Jan Smuts (Voukourestiou) Street, Athens 136; f. 1948; Dir. Dr. CARL-GUSTAF STYRENIUS; 400 mems.; cultural exchange between Sweden and Greece; publs. *Skrifter utgivna av Svenska Institutet i Athen* (*Acta Instituti Atheniensis Regni Succiae*), including *Opuscula Atheniensia.*

ART

Federation of Plastic Art Associations: f. 1937; comprises:

Eleutheroi Kallitechnai (*Free Artists*): Odos Karageorgi 8.

Omas-Techni (*Art Society*): Odos Karageorgi 8.

Somateion Hellinon Glypton (*Association of Greek Sculptors*): Spartis-Jerusalem; f. 1930.

Syndesmos Hellinon Kallitechnon (*Association of Greek Artists*): Odos Patission 28; f. 1910.

Syndesmos Skitsographon (*Association of Cartoonists*): f. 1926.

Epangelmatikon Kallitechnikon Epimelitirion (*Professional Cultural Chamber*): Odos Mitropoleos 38; Pres. Vr. TSOUHOS; Gen. Sec. G. KOSMADOPOULOS.

LITERATURE

Association of Arts and Letters: f. 1938; 1,500 mems.; Pres. G. KORNOUTOS; Gen. Sec. STEF. XEFLOUDAS.

Ethniki Heteria Hellinon Logotechnon (*National Society of Greek Writers*): Odos Mitropoleos 38; Pres. STRATIS MIRIVILIS; Gen. Sec. MARIA RALLI.

Hetairia Hellinon Logotechnon (*Society of Greek Men of Letters*): Odos Franklin Roosevelt 58; f. 1934; 100 mems.; Pres. L. KOUKOULAS; Sec. G. KAZANTZAKI.

Hetairia Hellinon Theatricon Syngrapheon (*Society of Playwrights*): Odos Navarinou 2; f. 1908; 145 mems.; Pres. GEORGES ASSIMACOPOULOS; Sec. DIMITRI YANOUKAKIS.

Syllogos Pros Diadosin ton Hellenikon Grammaton (*Society for the Promotion of Greek Education*): Odos Franklin Roosevelt 54; f. 1869; 9 mems.; Pres. PHILIP DRAGOUMIS; Sec.-Gen. PANOS DIMITRIADIS.

MUSIC

Pan-Hellenic Musical Association: Odos Sappho 10; f. 1914; 1,900 mems.; has library, music school, and symphony orchestra of 80 musicians; Pres. M. HITIRIS; Sec.-Gen. THEO JAVLARIDIS.

Enosis Hellinon Mousourgon (*League of Greek Composers*): Odos Karageorghi Servias 8; f. 1931; Pres. A. EVANGELATOS; Sec.-Gen. TH. KARIOTAKIS.

SCIENCE

Enosis Ellinon Chimikon (*The Hellenic Chemical Society*): 10 Odos Kanningos.

Helliniki Epitropi Atomikis Energhias (*The Hellenic Atomic Energy Committee*): 6 Odos Merlin.

Helliniki Mathimatiki Eteria (*The Hellenic Mathematical Society*): 34 Odos Panepistimiou, Athens 143.

RESEARCH INSTITUTES

Athens Centre of Ekistics (ACE): 24 Strat. Syndesmou St., Athens 136; research in the development of human settlements; Pres. CONSTANTINOS DOXIADIS.

Benakion Phytopathologikon Institouton (*Benaki Phytopathological Institute*): 3 Odos Delta, Kiphissia; subjects include phytopathology, entomology, zoology, plant pharmaceutics; 13 laboratories; staff of 35 scientists;

library containing 20,000 vols.; museum of zoological specimens, including 20,000 insects; publ. *Annales de l'Institut Phytopathologique Benaki*.

Centre of Economic Research: Amerikis 6, Athens; sponsored by the University of California; publs. numerous surveys on the Greek economy.

"Democritos" Nuclear Research Centre: Aghia Paraskevi-Attikis; activities relate to the peaceful uses of atomic energy; library, laboratory, six branches; Scientific Dir. Dr. Th. Kanellopoulos; Librarian Miss Noria Christophoridou.

Hellenikon Kentron Paragochikotitos (*Greek Productivity Centre*): 28 Kapodistriou Street, Athens; Dir.-Gen. Prof. A. Caloyeras.

Hellenic Hydrobiological Institute: 16 Possidonos Avenue, Paleon Phaliron, Athens; f. 1945; activities include fresh-water and marine biological research, oceanographic and technological research, and surveys and development of new fishing grounds; Pres. Admiral Dem. Phokas; Gen. Overseer Prof. John Xanthakis; Dept. of Biological and Fisheries Research Mrs. E. Kassimati; Dept. of Chemical Research A. Hatzikakidis; Hydrobiological Station and Aquarium Rhodos Island, Dir. Dr. M. Ioannou; Dept. of Chemical Research E. Erotocritos; publ. *Praktika of the Hellinikon Hydroviologikon Institouton*.

Hellenic Institute of International and Foreign Law: 73 Solonos Street, Athens; f. 1939; library of 15,000 vols.; Dir. Prof. P. Zepos; Sec.-Gen. Basil Lambadarios; publ. *Revue Hellénique de Droit International* (English, French and German).

Institouton Geologhias ke Erevnon Ypedhaphous (*Institute of Geology and Subsurface Research*): 1 Odos Hippocrates, Athens; activities include mineral surveys, mapping and exploration, groundwater and petroleum exploration, engineering geology, geophysical investigation; library and four laboratories.

Institut Pasteur Hellénique: Leoforos Vasilisis Sophias 127; f. 1919; Dir. Dr. Jean Bruneau; scientific staff of 3 bacteriologists and 1 chemist; publ. *Archives de l'Institut Pasteur Hellénique, 1923-31*, and new series from 1955.

Institute for Balkan Studies: Salonika; research centre concerned with the historical, literary, political, economic and social development of the Balkan peoples from their early times to the present day; Dir. Basil Laourdas; Chair. Ch. Fragistas; publs. *Balkan Studies* (periodical), and 70 vols. on Balkan History.

Laboratory of Astronomy: Univ. of Athens, Odos Solonos 57, Athens; f. 1937; Dir. Prof. S. Plakidis, D.SC., F.R.A.S.; Readers Dr. Demetrius Kotsakis, Dr. William Abbot, Dr. Constantine Macris; Chief Asst. Dr. D. Katsis; Asst. G. Antonakopoulos; publ. *Bulletin*.

National Observatory: Lophos Nymphon, Athens; f. 1842; Pres. of the Administration Board and Dir. of the Astronomical Institute Prof. S. Plakidis, D.SC., F.R.A.S.; Dir. of the Meteorological Institute Prof. E. G. Mariolopoulos, M.A., D.SC.; Dir. of the Geodynamical Institute Prof. A. Galanopoulos, D.SC.; Dir. of the Ionospheric Institute Prof. M. Anastasiadis, D.SC.; library contains 50,000 vols.; publs. *Annals of the National Observatory of Athens*, Vols. I-XII; *Mémoires*, Series I—Astronomy, Series II—Meteorology; bulletins of the Astronomical, Meteorological, Ionospheric and Seismological Institutes.

Social Sciences Centre: 5 Koumbari Street, Athens 138; f. 1960 following agreement between the Greek Government and Unesco; to operate under the Ministry of Education; aims to promote the development of the social sciences in Greece, to organise and conduct social research, to act as a link between Greek and foreign social scientists, to promote international co-operation in this field; publ. *Sociological Journal* (quarterly); Pres. Prof. Stratis Andreadis; Sec.-Gen. Dr. Michael Goutos.

Vassilikon Idryma Erevnon (*The Royal Hellenic Research Foundation*): 4 Vassil Sophias Av. 138, Athens.

LIBRARIES

Athens Academy Library: Odos Venizelou, Athens; 50,000 vols.

National Library: Odos Venizelou; f. 1828; 1,000,000 vols.; Gen. Dir. Evangelos Photiades.

Library of Chamber of Deputies: Paleà Anaktora; f. 1844; burnt 1859, rebuilt 1875; 960,000 vols.; Dir. Alcibiades Provatas; Librarian Constatin Themelis.

Gennadeion (*Research Library attached to American School of Classical Studies*): Odos Souidias; f. 1926; 50,000 vols.; specialised library on Greece, the Near East, the Balkans, and travel accounts; Librarian Francis R. Walton; Asst. Librarian E. Demetracopoulou; publs. *Gennadeion Monographs I, II, III and IV*; *Catalogues of Travels I* and *II* (Cambridge, Mass., Harvard Univ. Press, U.S.A.).

Library of the Athens Graduate School of Economics and Business Science: Odos 28, Octovriou 76, Athens 104; f. 1920; 15,500 vols.; Librarian D. Calozymis.

Library of the National Technological University of Athens: Odos 28, Octovriou 42, Athens; 85,000 vols.; Librarian Maria Savva.

Library of the Technical Association of Greece: Odos Kolokotroni 4, Athens; f. 1926; approx. 10,000 vols. on mechanics, engineering and other technical subjects.

Library of the Three Hierarchs: Odos Demetriados-Ogl, Volos; f. 1907; 20,000 vols.; theological library; Librarian Constantine Gavardinas.

Library of the University of Thessaloniki: Salonika; f. 1927; 300,000 vols.; Dir. Dr. Formozis Pantelis.

Archives of Folklore of the Academy of Athens: Odos Venizelou; f. 1918; 4,050 vols.; 3,020 MSS.; 13,200 songs and dances; texts of folk-songs, folk-tales, proverbs, customs, etc.; Dir. Prof. Georges Spyridakis; publ. *Year-Book of the Archives of Folklore*.

Pan Library ("Circle of the Friends of Progress"): Odos Giorgios 43, Tripolis, Arcadia; vols. on all subjects.

Benaki Library: Odos Anthimou Gazi, Athens; f. 1924; 45,000 vols.; donated by Emmanuel Benakis.

MUSEUMS AND ART GALLERIES

Athens

Acropolis of Athens and Acropolis Museum: museum f. 1878; contains the sculptures discovered on the Acropolis; illustrates the origins of Attic art, sculptures of the Parthenon, Temple of Niké, Erechteion, etc.

Byzantine Museum: Hôtel de la Duchesse de Plaisance, Leoforos Vassilissis, Sophias 22; f. 1914; contains a large collection of icons and sculptures, carvings in wood, ivory and bronze, religious embroidery, jewellery and enamels of the Byzantine era; also post-Byzantine works of art; Dir. Manolis Chatzidakis.

Museum of Decorative Arts: Mosquée de Monastiraki; f. 1916; Dir. Mrs. Zoras.

National Archaeological Museum: Odos Patission 144; f. 1874; contains the collections of Egina, Kaiapanos, Helène, Stathatos, the Theseum, the Tower of the Winds, Hadrians Library and, since 1894, those of the Archaeological Society; Dir. Chr. Karouzos.

Mouseion tis Istorikis kai Ethnologiikis Etairias tis Ellados (*Historical and Ethnological Museum*): Odos Patission 42; f. 1883; 50,000 MSS.; 3,000 vols., 346 codices, pictures and relics from the time of the Turkish dominion; Dir. H. S. Caravias; Curator G. Catsaros.

Zoological Laboratory and Museum: Panepistimiopolis (Kouponia), Athens 621; f. 1958; mammals, birds, reptiles, fish, arthropods, etc.; Dir. Prof. V. KIORTSIS; Curator Dr. J. ONDRIAS; publ. *Acta Biologica Hellenica*.

Benaki Museum: Odos Koumbari 1, Athens; f. 1931; contains historical exhibits of Modern Greece, collections of Oriental arms, Byzantine and post-Byzantine art, Coptic and Islamic art, Islamic textiles, jewellery (Mycenæan to Modern European), Chinese pottery and porcelain, embroidery, Greek national costume and peasant art; Founder ANTONY E. BENAKI; Chair. ARIST. KYRIAKIDIS; Dir. MANOLIS CHATZIDAKIS.

National Picture Gallery and Alexander Soutzo's Museum: Vassilissis Sophias; f. 1900; was closed during the German occupation and has not yet reopened; collections include a small number of Renaissance pictures, four of them by El Greco, 17th/19th-century paintings and drawings of Greek and other European artists; Dir. Dr. MARINOS KALLIGAS.

Loverdo Museum: 58A Academy Street, Athens; offices: 6A Mavromichali Street, Athens; collections of Byzantine icons, ancient wood-carvings and rare embroideries.

Stoa of Attalos: Athens; f. as a museum in 1956; the design of the original building of the 2nd century B.C. has been exactly reproduced in the reconstruction carried out 1953–56 by the American School of Classical Studies; collections include all material found in the excavations of the Athenian Agora, illustrating 5,000 years of Athenian history; Dir. N. PLATON.

PROVINCIAL MUSEUMS

Archaeological Museum: Olympia; contains largest single collection of Greek geometric and archaic bronzes in the world; two pediments from Temple of Zeus, Hermes of Praxiteles, Victory of Paionios; Dir. NICOLAS YALOURIS, Assts. GEORGE PAPATHANASOPOULOS and PETER THEMELIS; publs. on history and remains of Olympia.

Archaeological Museum: Delphi; f. 1903; findings from the Delphic excavations; Dir. Mrs. CONSTANTINOU.

Archaeological Museum: Corinth; f. 1932; findings from excavations made by the American School; Dir. M. VERDELIS.

Archaeological Museum: Rhodes; in the Hospital of the Knights; f. 1940; mainly collection from Rhodes; Dir. M. CONTIS.

Archaeological Museum: Crete; f. 1951; three sections: tourists, students, systematic storage of antiquities; traces the development of the Minoan and early Greek civilisations; Dir. Dr. S. ALEXIOU.

UNIVERSITIES

ATHINISIN ETHNIKON KAI KAPODISTRIAKON PANEPISTIMION
(National and Capodistrian University of Athens)

ODOS PANEPISTIMIOU, ATHENS

Telephone: 620-004.

Founded 1837.

Rector: L. J. PHILIPPIDIS.
Pro-Rector: C. PAPAÏOANNOU.
Vice-Rector: J. CHRYSSICOS.
Secretary-General: G. AMYGDALOS.

Number of teachers: 500.
Number of students: 14,000.

DEANS:

Faculty of Theology: G. KOMDARIS.
Faculty of Law: E. GAFOS.
Faculty of Letters: N. TOMADAKIS.
Faculty of Medicine: B. MALAMOS.
Faculty of Mathematics and Physics: C. FOUSSIANIS.

PROFESSORS:

Faculty of Theology:
BONIS, C.
KARMIRIS, J.
KOMDARIS, G.
MORAITIS, D.
PHILIPPIDES, L.
PHYTRAKIS, A.,
SIOTIS, M.
VELLAS, B.

Faculty of Law:
CHORAFAS, N.
CHRISTOPHILOPOULOS, A.
DENDIAS, M.
EFSTATHIADIS, K.
GAFOS, E.
GARDIKAS, C.
GAZIS, A.
KOULIS, I.
LITZEROPOULOS, A.
MICHAILIDIS-NOUAROS, G.
PETROPOULOS, G.
RAMMOS, G.
ROCAS, K.
SGOURITSAS, C.
SONTIS, J.
STEFANIDES, D.
TSIRINTANIS, A.
VEGLERIS, F.
ZEPOS, P.
ZOLOTAS, X.

Faculty of Letters:
AMROUSSI, F.
BATTAGLIA, S.
BERSANI, I.
DASKALAKIS, A.
DOUNARD, T.
KOLLIAS, G.
KONTOLEON, N.
KORRES, S.
KOURMOULIS, G.
KRUEGER, M.
MARINATOS, S.
MERENTITIS, C.
PAPASTAVROU, I.
PATRIARCHEAS, P.
SPETSIERIS, C.
THEODORAKOPOULOS, J.
TOMADAKIS, N.
TZANNETATOS, T.
UNGER, L.,
VOURVERIS, C.
ZAKYTHINOS, D.
ZORAS, G.

Faculty of Medicine:
ALIVIZATOS, C.
ANTONOPOULOS, D.
CHARAMIS, J.
CHOREMIS, C.
CHRISTEAS, N.
CHRYSICOS, J.
ELEFTHERIOU, D.
ELIAKIS, C.
GAROFALIDES, T.
GIANNOCOPOULOS, A.
GOUTAS, A.
KAÏRIS, Z.
KLISIOUNIS, N.
LOUROS, N.
MALAMOS, B.
MALTEZOS, C.
MICHAELIDES, G.
PHOCAS, E.
PHOTINOS, P.
SCLAVOUNOS, T.
TOOLE, H.
TSAMPOULAS, N.
VALAORAS, B.

Faculty of Mathematics and Physics:
ALEXOPOULOS, C.
ANATASIADES, M.
BRIKAS, M.
DIAPOULIS, H.
FOUSSIANIS, C.
GALANOPOULOS, A.
GEORGÏADES, A.
GIANNACOPOULOS, T.
KAPPOS, D.
KRITICOS, P.
MARIOLOPOULOS, E.
MITSOPOULOS, M.
PANTAZIS, G.
PAPAÏOANNOU, C.
PLAKIDES, S.
PSARIANOS, P.
SARANDOPOULOS, S.
STATHISS, E.
TSATSAS, G.
ZAGANIARIS, J.
ZERVAS, L.

ARISTOTELION PANEPISTIMION THESSALONIKIS
(University of Salonika)

ODOS PANEPISTIMIOU, SALONIKA

Telephone: 21-411.

Founded 1925.

Rector: N. ASPIOTIS.
Pro-Rector: N. KAVAZARAKIS.
Deputy-Director: D. DELIVANIS.
Gen. Secretary: B. SKOUVAKLIS.
Librarian: P. FORMOZIS.

Number of professors: 129.
Number of students: 16,200.

DEANS:

Faculty of Theology: I. KOTSONIS.

Faculty of Philosophy: M. SAKELLARIOU.

Faculty of Physics and Mathematics: G. MARINOS.

Faculty of Law and Economics: D. KONSTANTOPOULOS.

Faculty of Agriculture and Forestry: O. STEFANOPOULOS.

Faculty of Medicine: G. DELIYANNIS.

Faculty of Veterinary Science: A. PANETSOS.

Faculty of Technology: P. KARANTINOS.

Department of Dentistry: S. KRITIKOS (Pres.).

PROFESSORS:

Faculty of Theology:
AGOURIDIS, S., New Testament History
ANASTASSIOU, I., Church History
CHASTOUPIS, A., History of Old Testament
CHRISTOU, P., Patristics and Ecclesiastical Literature
KALOGIROU, J., History of Doctrine and Œcumenism
KOTSONIS, I., Canon Law and Pastoral Works
THEODOROU, E., Homeletics and Liturgy

Faculty of Philosophy:
ANDRIOTIS, N., Philology and Linguistics
BAKALAKIS, G., Classical Archæology
CRIARIAS, E., Medieval Greek Literature
GROLLIOS, C., Latin Literature
KAKRIDIS, J., Ancient Greek Literature
KAPSOMENOS, S., Ancient Greek Literature
MANOUSAKAS, M., Medieval and Modern History
PETROPOULOS, D., Ancient Greek Religion and Modern Greek Folklore
POLITIS, L., Modern Greek Literature
SAKELLARIOU, M., Ancient Greek History
TATAKIS, B., Philosophy
TSOPANAKIS, A., Ancient Greek Literature
VAKALOPOULOS, A., History of Modern Greece

Institute of Foreign Languages and Literatures:
BRON, G., French Language and Literature
FISHER, M., American Language and Literature
HARVEY, H. S., English Language and Literature
POSADOWSKI-WEHNER, K. GRAF VON, German Language and Literature

Faculty of Law and Economics:
DELIVANIS, D., Political Economy
DELOUKAS, N., Commercial Law
DERTILIS, P., Public Finance and Legislation
FRAGISTAS, C., Civil Procedure
KARANIKAS, D., Criminal Law
KONSTANTOPOULOS, D., Public International Law
KOUSOULAKOS, G., Civil Law
KYRÏAKOPOULOS, E., Administrative Law
PANTAZOPOULOS, N., History of Greek and Roman Law
SIMANTIRAS, C., Civil Law
VOYATZIS, B., Social Policy and Industrial Sociology
ZESSIADIS, J., Penal Science

Faculty of Physics and Mathematics:
ANASTASSIADES, J., Mathematics
DIANNELIDIS, T., General Botany
GANIASATS, C., Systematic Botany
GRATSIATOS, J., Mechanics
KANELLIS, A., General Biology
KAPATOS, L., Physical Chemistry
KAWASSIADES, C., Inorganic Chemistry
KOKKOROS, P., Mineralogy
KOMTOPOULOS, G., Astronomy
KYRÏAZOPOULOS, B., Meteorology
MAKRIS, C., Pharmaceutical Chemistry
MARINOS, G., Geology and Palæontology
MARKETOU-PYLARINOU, MARIA, Physics
PYLARINOS, O., Mathematics
VARVOGLIS, G., Organic Chemistry
VASSILIADIS, C., Analytical Chemistry
VOYATZAKIS, E., Chemistry

Faculty of Agriculture and Forestry:
CHRISTIDIS, B., Crop Husbandry
CHRISTOPOULOS, C., Agricultural Hydraulics
DEMETRIADIS, J., Animal Husbandry
GEORGOPOULOS, A., Forest Management and Measurement
KORONAIOS, J., Applied Entomology
LOGHOTHETIS, B., Viticulture
MOULOPOULOS, C., Silviculture and Soil Erosion Control
NICOLITSAS, G., Engineering and Topography
PAPAGEORGIOU, E., Agricultural Economics
PAPAÏOANNOU, J., Wood Chemical Technology and Forest Botany
PAXINOS, S., Soil Science
RAPTOPOULOS, T., Horticulture and Pomology
STEFANOPOULOS, O., Agricultural Technology

Faculty of Medicine:
ANASTASOPOULOS, G., Psychiatry and Neurology
CHRISTOMANOS, A., Biochemistry
CHRISTOPOULOS, C., Surgery
CRETICOS, S., Radiology
DELIYANNIS, G., Internal Medicine
HADJIVASSILIOU, G., Hygiene and Microbiology
KAVAZARAKIS, N., Surgery
LOGARAS, G., Experimental Pharmacology
MAVROS, A., Physiology
PANAYOTOPOULOS, E., Pathology
RELIAS, A., Venereal and Skin Diseases
SAVAS, A., Human Anatomy
SYMEONIDIS, A., Pathology
TOUNTAS, C., Surgery
VALTIS, D., Internal Medicine
YANNOULIS, G., Oto-Rhino-Laryngology

Faculty of Veterinary Science:
ASPIOTIS, N., Physiology and Pharmacology
CHRISTODOULOU, T., Microbiology and Parasitology
MICHAEL, S., Anatomy
PANETSOS, A., Food Hygiene
SPAIS, A., Clinical and General Pathology
TSIROYANNIS, E., Pathology
VIKELIDIS, J., Surgery
VLACHOS, C., Internal Diseases and Obstetrics

Faculty of Technology:
CHORAFAS, N., Hydraulic Works
FLORAS, M., Higher Mathematics
KARANTINOS, P., Architectural Design
LADOPOULOS, P., Geometry
MOLIOTIS, P., Iron Constructions
MOUTSOPOULOS, N., Architectural Morphology
NITSIOTAS, G., Applied Mechanics
PAPADIMITRIOU, C., Building Materials

ETHNIKON METSOVION POLYTECHNEION
(National Technical University of Athens)

ODOS 28 OCTOVRIOU 42, ATHENS

Telephone: 616-918.

Founded 1836.

Rector: Prof. D. KORONAIOS.
Pro-Rector: Prof. D. PIPPAS.
Vice-Rector: Prof. E. KOKKINOPOULOS.
Registrar: A. ATHANASSIADIS.

The Library contains 90,000 vols.

Number of teachers: 450, including 70 professors.

Number of students: 3,100.

Faculties of Civil, Mechanical and Electrical, Architectural, Chemical, Rural and Topographical Engineering.

The Faculty of Chemical Engineering includes a separate School of Mining and Metallurgy.

ORDINARY PROFESSORS:

AGAPITIDES, S., Theoretical and Applied Economics
ARGYRAKOS, J., General Astronomy
BIRIS, K., Building Construction
CATRAKIS, S., Mining Technology
DELIYANNIS, A., Inorganic Chemical Technology
ECONOMOPOULOS, N., Technology of Fuels and Lubricants
FLAMBOURIARIS, J., General Electrical Engineering II
FRANGOULIS, B., Naval Architecture
KALINSKI, A., Agricultural Hydraulics
KALOGERAS, A., Industrial Building Construction
KOKKINOPOULOS, E., Statics
KORONAIOS, D., Theory of Structures
KORONEOS, G., Railway Engineering
KOUYOUMZELIS, T., Physics
KRIEZIS, A., Town Planning
KRIEZIS, P., Applied Mathematics
KYDONIATIS, S., Rural Architecture
LOISOS, A., Stone and Wooden Bridges, Retaining Walls and Foundations
MICHELIS, P., Theory of Architecture
MOUSSOULOS, L., Metallurgy
PANAYOTOUNAKOS, E., Applied Structural Analysis, Steel Bridges
PAPASPYROS, A., Higher Mathematics
PAPATHANASSOPOULOS, B., Engineering Materials
PAPPAS, A., Industrial Organisation and Management
PEZOPOULOS, G., Central Power Stations, Networks and Distribution
PEZOPOULOS, KYR., Telecommunication and Electronics
PIPPAS, D., Harbour Constructions
RAFTOPOULOS, G., Electrical Machines
SPHIKAS, A., Geodesy
STRINGOS, G., Heat Engines and Boilers
THEOPHANOPOULOS, N., Machine Elements
TRYPANIS, A., Theory of Machines, Applied Thermodynamics, Refrigeration and Air Conditioning
VASSILIOU, P., Higher Mathematics

EXTRAORDINARY PROFESSORS:

ANGELOPOULOS, M., Nuclear Engineering
ATHANASSIADIS, N., Fluid Mechanics and Hydrodynamic Machines
BITSAKOS, L., Mechanics

Conophagos, C., Physics of Metals—Metallography—Working of Metals
Constandinidis, D., History of Architecture
Despotopoulos, J., Architectural Design
Dimopoulos, N., Internal Combustion Engines
Frangatos, G., Organic Chemistry
Kassandras, B., Architectural Design
Koumoutsos, N., Engineering for Chemical Engineers
Lameras, L., Plastic Arts
Ladopoulos, P., Descriptive and Projecting Geometry
Liapis, J., Interior Design
Loisos, F., Interior Fittings of Buildings
Papadaniel, E., Machine Shop Laboratory
Papastamatiou, J., Stratilogy and Applied Geology
Parissakis, G., Analytical Chemistry
Prokopiou, A., General History of Arts
Sakellaridis, P., General Chemistry
Skulikidis, Th., Physical Chemistry and Applied Electrochemistry
Sokos, A., Photogrammetry
Tassios, T., Civil Engineering
Tegopoulos, J., General Electrical Engineering
Theophilopoulos, C., General Electrical Engineering I
Thiocharis, P., Strength of Materials
Valentis, Th., Architectural Design
Veis, G., Topography

COLLEGES

Archæology, Greek Studies

American School of Classical Studies at Athens: Odos Souidias 54; f. 1881; post-graduate school for students of classical literature and history and classical archæology, controlled by a committee representing 95 American universities; library of 25,500 vols.; Officers: Dir. H. S. Robinson; Prof. of Archæology E. Vanderpool; Field Dir. in the Athenian Agora H. A. Thompson; Chair. of Managing Cttee. R. H. Howland; publ. *Hesperia*; Library of the Gennadeion see Libraries.

British School of Athens: Odos Souidias 52, Athens 140, and 31-34 Gordon Square, London, W.C.1; f. 1886; library of over 25,000 vols., including Penrose Library (ancient, mediæval and post-mediæval Greek studies and archæological research) and Finlay Library (Greek travel and modern Greek literature, etc.); Chair. Prof. C. M. Robertson; Dir. A. H. S. Megaw; London Sec. Mrs. J. Thornton; publs. *British School Annual, Archaeological Reports.*

Deutsches Archäologisches Institut, Abteilung Athen (*German Archaeological Institute*): 1 Odos Fidiou, Athens 142; f. 1874; library of 40,000 vols.; Dirs. Prof. Dr. E. Kunze, Prof. Dr. F. Willemsen; publ. *Mitteilungen.*

Ecole Française d'Athènes (*French Archaeological School*): Odos Didotou 6; f. 1846; library of approx. 45,000 vols.; Dir. G. Daux; Sec. Ph. Bruneau; 15 mems. and architects; publs. *Bulletin de correspondance hellénique* (annual; f. 1877), *Bibliothèque des Ecoles françaises d'Athènes et de Rome, Fouilles de Delphes, Exploration archéologique de Délos, Recherches Françaises en Turquie, Etudes thasiennes, Etudes crétoises, Travaux et mémoires, Etudes péloponnésiennes, Etudes chypriotes.*

Italian School of Archaeology: 56 Odos Amalias, Athens; f. 1908; Dir. Dr. Doro Levi.

Agriculture and Technology

Anotati Geoponiki Scholi Athinon (*College of Agriculture*): Votanikos, Athens; f. 1920.

Athens Technological Institute: 24 Strat. Syndemou St., Athens 136; f. 1958; courses in ekistics and technological subjects; Chair. C. Doxiadis.

Arts, Drama, Music

Anotati Scholi Kalon Technon (*School of Fine Arts*): Odos Patission; f. 1836; comprises a preparatory section for drawing and sections for painting, sculpture, engraving and applied arts; 14 professors and approx. 150 students.

Dramatiki Scholi (*Dramatic School*): National Theatre, Odos Menandrou 65; f. 1924; open to actors who desire to improve their art and to young people who desire to take up the stage as a career. The staff comprises the Director, 11 professors, and 2 teachers.

Odeion Athenon (*Odeon of Athens*): Odos Piraeus 35; f. 1871; comprises a musical section, a dramatic section, a section for military music, and a section for Byzantine Church music; has 40 professors, 20 teachers, and over 500 students; Dir. M. G. Pallandios.

Odeion Hellenikon: Odos Phidiou 3; f. 1913; 1,000 students; Dirs. Prof. A. Evanghelatos, Prof. M. Varvoglis.

Odeion Ethnikon: Odos Solonos 60; f. 1886; sections for music, drama, and opera.

Economics and Commercial Science

Anotati Scholi Economikon Kai Emborikon Epistimon (*The Athens Graduate School of Economics and Business Science*): Odos Patission 76, Athens 104; f. 1920.

Rector: Prof. S. Andreadis.
Pro-Rector: S. Kalogeropoulos-Stratis.
Secretary-General: G. Moustafellos.
Librarian: D. Calozymis.

Number of teachers: 19, including 12 professors.
Number of students: 2,797 men, 645 women, total 3,442.

Professors:

Andreadis, S., Administrative Law
Athanasiadis, K., Statistics
Christodoulopoulos, P., Economics
Fourkiotis, C., Civil Law
Halkiopoulos, G., Political Economy
Kalogeropoulos-Stratis, S., Private and Commercial International Law
Kokkalis, A., Political Economy
Mantzouphas, G., Civil Law
Miliotis, J., Raw Materials and Merchandise
Spandanopoulos, J., Accounting
Spiliopoulos, K., Commercial Law
Tsimaras, M., Business Economics and Accounting

Anotati Biomichaniki Scholi (*Graduate School of Industrial Studies*): 43 Kyprou Street, Athens 8; f. 1938; provides a university standard professional education for executive staff in economic, administrative and business organisations and units (public and private), and in particular in the industrial and marine enterprises; it is controlled by the Ministry of Education; a four-year course leads to the Diploma of the School; a PH.D. degree can also be taken following the submission of a suitable thesis; Pres. Board of Dirs. St. Costopoulos; Dean Prof. Str. Papaioannou; Chair. of Depts. Profs. S. Agapitidis, I. Chrissouchou, E. Georgantopoulos, I. Koutsoyiannis, E. Margaritis, D. Papademitriou; Research Dir. Prof. Cl. Bandaloukas; Sec. E. Paraskevaidis; library 12,800 vols.; number of teaching staff 38, students 1,760; publs. *Spoudai* (Studies—monthly), *Nea* (Information Bulletin—bi-monthly), books and papers.

Panteios School of Economic and Political Sciences: Leoforos L. Sygrou 146, Athens; f. 1930.

Theology

Rizarios Ecclesiastiki Scholi (*Ecclesiastical School*): Leoforos Basilisis Sophias; f. 1884; teaching staff of 98.

GUATEMALA

Population 3,952,944

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Guatemala City

Academia Guatemalteca (*Guatemala Academy*): 8th in order of foundation in Spanish America; is a correspondent of the Real Academia Española, Madrid.

Director: CARLOS MARTÍNEZ DURÁN.
Secretary-General: CARLOS SAMAYOA CHINCHILLA.
Librarian: PEDRO PÉREZ VALENZUELA.

MEMBERS:

ARCE VALLADARES, MANUEL JOSÉ.
ARÉVALO MARTÍNEZ, RAFAEL
ASTURIAS QUIÑONES, MIGUEL
BELTRANENA, LUIS.
CASTAÑEDA PAGANINI, RICARDO.
HERNÁNDEZ COBOS, HUMBERTO.
HERRERA, FLAVIO
MATA Y GAVIDIA, JOSÉ.
SAMAYOA AGUILAR, CARLOS.
VELA, DAVID
VELÁZQUEZ, ALBERTO

Elected:

AYCINENA SALAZAR, LUIS.
CEREZO DARDÓN, HUGO.
IRIARTE, ISIDRO M.
SALVADOR IMERI MAYORGA, FABIÁN.

Asociación de Ingenieros y Arquitectos de Guatemala (*Association of Engineers*): Avenida Elena 14-45, zona 1; f. 1930; 184 mems.; Pres. Ing. HÉCTOR DAVID TORRES; publ. *Ingeniería y Arquitectura.*

Asociación Centroamericana de Historia Natural (ACAHN): Apdo. 1120; f. 1950; Dir. JORGE A. IBARRA.

Instituto Centro Americano de Investigación y Tecnologia Industrial (ICAITI) (*Central American Research Institute for Industry*): Apdo. 1552; bibliographical centre since 1956; assists technological research of private industry and Governments of Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua and Panama; library of 5,000 vols.; Dir. MANUEL NORIEGA MORALES; publ. *Noticias del ICAITI* (monthly).

Instituto de Antropologia e Historia: Edificio 5 de "La Aurora"; f. 1946; library of 6,000 vols.; research on Middle-American archæology, ethnology, philology, and Spanish Colonial history; supervises archæological sites, monuments, and Indian villages and museums; Dir. CARLOS SAMAYOA CHINCHILLA; publs. *Antropologiae Historia de Guatemala* (biannually); *Boletines* (occasionally) and books on archæological and historical investigations (yearly).

Instituto Guatemalteco-Americano (IGA): 8a Av. 9-12, Zona 1; cultural centre with classes in English and Spanish; library of 15,000 vols.; Dir. JACK C. BROCKMAN.

Instituto Indigenista Nacional (*National Institute of Indian Affairs*) (*Ministerio de Educación Pública*): 6a Avenida 1-30, zona 2; f. 1945; library of 3,000 vols.; social research undertaken for the advice of the Government in economic conditions and the education of the Indians; affiliated to the Inter-American Indian Institute, Mexico; Dir. EPAMINONDAS QUINTANA; publs. *Boletín* (quarterly), *Guatemala Indígena* (quarterly), and special works.

Instituto de Nutrición de Centro América y Panamá—INCAP (*Institute of Nutrition of Central America and Panama*): Carretera Roosevelt, Zona 11, Guatemala City; f. 1949; Dir. M. BÉHAR, M.D., M.P.H.; represents the following countries: Costa Rica, El Salvador, Guatemala, Honduras, Nicaragua, Panama; administered by Pan American Health Organisation (PAHO)/World Health Organisation (WHO); Divisions of Applied Nutrition, Education, Biomedical, Agricultural and Food Sciences, Physiological Chemistry, Microbiology, Statistics; library of 10,000 vols.; publs. scientific articles, monthly nutrition education leaflets, quarterly information bulletin, periodic compilations of scientific publications as part of the *Scientific Publications Series of the Pan American Health Organisation.*

Observatorio Nacional Meteorológico y Sismológico "La Aurora" (*National Meteorological and Seismological Observatory*): f. 1925; Dir. CLAUDIO URRUTIA EVANS; publs. *Anales Meteorológicos, Resumen Anual Sismológico* (annually), *Resumen Mensual, Boletín Sismológico* (monthly), *Reporte Meteorológico* (daily).

Sociedad de Ciencias Naturales y Farmacia (*Society of Natural Science and Pharmacy*).

Sociedad de Geografía e Historia de Guatemala (*Geographical and Historical Society of Guatemala*): 3A Avenida No. 8-35, Guatemala City 1; f. 1923; library of 10,000 vols.; 264 mems.; Pres. Lic. ERNESTO CHINCHILLA AGUILAR; publ. *Anales* (quarterly).

Sociedad Pro-Arte Musical (*Musical Society*): f. 1945; Pres. Sra. JULIA F. DE FOPPA.

Quezaltenango

Academia de la Lengua Maya Quiché (*Academy of the Maya-Quiché Languages and Culture*): 7a, Calle 11-27, Zona 1; f. 1959; to study the philologies of and preserve the most important indigenous languages, especially the Quiché; 20 mems.; Pres. Prof. ADRIÁN INES CHÁVEZ; Sec. Prof. VÍCTOR SALVADOR DE LEÓN TOLEDO; publs. *El Idioma Quiché y su Grafía.*

Casa de la Cultura de Occidente: 7a Calle 11-35, Zona 1; f. 1958; comprises: a Bibliographical Department, controlling a number of libraries; a Museums Department, an auditorium; also directs a number of Academies and Schools; library of 25,000 vols.; Exec. Dir. JULIO CÉSAR DE LA ROCA; Pres. GERARDO HURTADO AGUILAR; publs. *Horas de Bronce, Cuadernos.*

LIBRARIES

There are more than 100 libraries in Guatemala, over half of them in Guatemala City.

Guatemala City

Archivo Nacional de Guatemala (*National Archives*): foundation date unknown; installed in the Casa de la Moneda (The Mint) 1880; comprises two sections: La Colonia, with 8,427 files of 99,157 documents; La República, with 4,143 files of 92,933 documents relating to Guatemala, Chiapas, El Salvador, Honduras, Nicaragua and Costa Rica; Dir. JOAQUÍN PARDO.

Biblioteca de la Corte Suprema de Justicia (*Library of the Supreme Court of Justice*) 9a Avenida 14-31, zona 1; f. 1881; 10,000 vols.; Dir. ALBERTO LUNA CASTELLANOS.

Biblioteca de la Tipografía Nacional (*Library of the Government Printers*): f. 1892; the greater part of the contents of the Library was destroyed by the earthquakes of 1917 and 1918; modern works printed by them now form the collection.

Biblioteca del Congreso Nacional: 9a Ave. 9-42; f. 1823; 7,000 vols.; Dir. CARLOS H. GODOY Z.

Biblioteca "José Batres Montufar": 12 Avda. Sur No. 1; f. 1921 by the Liberal Party; 15,984 vols., of which 7,099 scientific, 1,397 fiction, with 7,488 reviews and periodicals; open to the public; recently incorporated with the State library service; Librarian Br. JORGE JUÁREZ GARCÍA.

Biblioteca Nacional de Guatemala: 10a Calle 9-31, Zona 1, entre Avenidas 9a y 10a; f. 1879 through an agreement between Guatemala and Chile that each should give to the other two copies of every printed book published in either country; the collections of the Sociedad Económica de Amigos del País were incorporated, and a Government decree of the same year provided that two copies of every book published in Guatemala should be given to the Library which was housed by the Society; opened to the public 1880, volumes now number 75,000; in 1881 the Society was dissolved. Contributions and legacies have enriched the collections, and the Government have recently purchased the valuable private library of Gilberto Valenzuela, which also included documents destined for the Archivo Nacional: Dir. BENJAMÍN GODOY.

Biblioteca y Sala de Lectura de la Sociedad El Porvenir de los Obreros (*Library and Reading Room of the Workmen's Benefit Society*): Edificio Social, 2a Avda. Sur 13; f. 1896; 3,018 vols.; Dir. RICARDO DOMÍNGUEZ P.

Biblioteca del Banco de Guatemala: f. 1946; 25,000 vols.; Librarian ROSARIO DOMÍNGUEZ.

Quezaltenango

Biblioteca Pública de Quezaltenango: Palacio Municipal; re-opened 1958; 25,000 vols.; Dir. JULIO CÉSAR.

MUSEUMS

Antigua Guatemala

Museo Colonial: 3a Avda. Sur y Calle de la Universidad; f. 1951; housed in the old San Carlos University building; period furniture, paintings, sculpture; Secretary-Librarian RAFAEL DE LA HOZ.

Museo del Libro Antiguo: Portal Municipal, Plaza Mayor de Antigua; f. 1956; controlled by the Instituto de Anthropología e Historia; books, documents relating to the history of Guatemala; Sec.-Librarian MANUEL REYES.

Museo de Santiago: Portal Municipal, Plaza Mayor de Antigua; f. 1956; arms, furniture, Spanish colonial art; Sec.-Librarian JOSÉ F. MÉNDEZ.

Chichicastenango

Museo Regional de Chichicastenango: Plaza Central; f. 1950; articles of the Maya-Quiché culture; Dir. RAÚL PÉREZ MALDONADO.

Guatemala City

Museo de Artes e Industrias Populares: 10a. Avda. 10-72, Zona 1; f. 1959; collections of metal and wooden objects belonging to indigenous races, also costumes; Dir. RICARDO TOLEDO PALOMO.

Museo Nacional de Historia Natural: Salón 2, 7a Ave. Zona 13, "La Aurora", Apdo. 1120; f. 1964; collection of geological, botanical and zoological specimens; library of 992 vols.; Dir. and Founder JORGE A. IBARRA.

Museo Nacional de Historia y Bellas Artes (*National Museum of History and Fine Arts*): Edificio No. 6, Parque Nacional La Aurora; f. 1935; 5,000 exhibits; painting, sculpture, furniture, engravings, numismatics, etc.; Dir. Prof. DANIEL CONTRERAS; publ. *Revista* (quarterly).

Museo Nacional de Arqueología y Etnología (*Archæological and Ethnographical Museum*): Edificio No. 5, La Aurora; f. 1931; library of 1,700 vols.; numerous and valuable objects in jade, ceramics and carved stone from Maya and Quiché tombs; other collections relating to the cultures of the ancient Indian races of Guatemala; first book with a printer's mark in the Western Hemisphere, 1571; Dir. ANTONIO TEJEDA FONSECA; publ. *Revista* (half-yearly).

Parque Nacional y Zoológico "La Aurora": Apdo. 1120; f. 1924; comprises a botanical and zoological collection, including animals from several continents; Exec. Dir. JORGE A. IBARRA.

UNIVERSITIES

UNIVERSIDAD DE SAN CARLOS DE GUATEMALA

(San Carlos University of Guatemala)

CIUDAD UNIVERSITARIA,
GUATEMALA 12,
GUATEMALA, C.A.

Telephone: 480154-480158.

Founded 1676 by the Consejo Supremo de las Indias, established in its present form 1927, autonomous 1944.

Rector: Ing. JORGE ARIAS DE BLOIS.
Secretary-General: EDMUNDO VÁSQUEZ MARTÍNEZ.
Treasurer: RAÚL NAVAS.

Number of teachers: 510.
Number of students: 7,632.
Publication: *Boletín Universitario* (monthly).

DEANS:

Faculty of Medicine: Dr. CARLOS M. MONSON MALICE.
Faculty of Humanities: Lic. HUGO CEREZO DARDÓN.
Faculty of Juridical and Social Sciences: Lic. RAFAEL ZEA RUANO.
Faculty of Engineering: Ing. ENRIQUE GODOY S.
Faculty of Odontology: Dr. FERNANDO PRADO.
Faculty of Economics: Lic. RAÚL SIERRA FRANCO.
Faculty of Chemistry and Pharmacy: Lic. RICARDO ANTILLÓN.
Faculty of Agronomy: Ing. EDUARDO GOYZUETA.
Faculty of Veterinary Medicine: Dr. FÉLIX KELLER MEJÍA.
Faculty of Architecture: Arq. JORGE MONTES C.
Faculty of Basic Studies: Ing. ROBERTO ZEPEDA.

PROFESSORS (*Catedráticos*):

Faculty of Medicine:

Department of Morphology:
FIGUEROA, LUIS, Histology and Embryology
MOLINA, MIGUEL F., Neuro-Anatomy
RODRÍGUEZ PADILLA, RAÚL, Descriptive Anatomy and Dissection

Department of Physiology:
HERRARTE, ENRIQUE, Bio-chemistry
JIRON TANCHEZ, ÓSCAR, Physiology
MOLINA BELTETON, FERNANDO, Practical Work
QUAN MA, RONALD, Bio-Chemical Practice

Department of Preventive and Social Medicine:
AGUILAR, FRANCISCO J., Parasitology
CABRERA, MARCO A., Microbiology and Pathology
ESTRADA SANDOVAL, CARLOS, Human Ecology
GIRON, MANUEL A., Preventive and Social Medicine
HERRERA, JULIO R., Epidemiology, Biostatistics
LEÓN, ROMEO DE, Parasitology
PADILLA, ENRIQUE, Laboratory Work

Department of Pathology:
MARTÍNEZ DURÁN, CARLOS, Pathology and History of Medicine
SOSA MONTALVO, DAGOBERTO, Neuro-Pathology
TEJEDA VALENZUELA, CARLOS, Practical Work

Department of Medicine:
ALARCÓN BENÍTEZ, ERNESTO, General Medicine
ARMANDO SOTO, CARLOS, Cardiology
BARRASCOUT, ALFREDO, Cardiology
BELTRANENA, MANUEL, General Medicine
CORDERO, FERNANDO, Dermatology
FAJARDO, JOSÉ, Semeiology
FERNÁNDEZ MENDIA, JORGE, Cardiology
MEJÍA, VÍCTOR M., Semeiology
MERIDA, JULIO C., Pneumology and Phthsiology
PASSARELLI, CÉSAR A., Gastro-Enterology
TORIELLO DE LEÓN, JULIO, Radiology

Department of Surgery:
ARROYAVE, ROBERTO, Surgery
AZPURO, CARLOS E., General Surgery
HERRERA LLERANDI, R., Surgery
LIZARRALDE, EDUARDO, Experimental Surgery
MEDRANO, JOSÉ M., Ophthalmology
PALOMO, ALEJANDRO, Urology
QUEVEDO, JULIO, Otorhinolaryngology
SAMAYOA DE LEÓN, RICARDO, Anæsthesiology
SOLIS HEGEL, RODOLFO, Surgical Semeiology
VON AHN, JORGE, Orthopædics and Traumatology

Department of Paediatrics:
ARGUETA VON KAENEL, VÍCTOR, Pediatrics
MONSON MALICE, CARLOS M., Pharmacology

Department of Gynaecology:
BAUER PAIZ, FRANCISCO, Gynæcology
DÍAZ DURÁN, JOSÉ M., Gynæcology
JIMENEZ PINTO, AQUILES, Obstetrics

Department of Psychiatry:
MORA, CARLOS F., Psychiatry and Psycho-Biology

Forensic Medicine:
CARRILLO, ARTURO, Legal Medicine and Toxicology

Faculty of Humanities:

Department of Philosophy:
FIGUEROA C., FRANCISCO, Propædeutics
GUZMÁN BÖCKLER, CARLOS, Sociology
JUAREZ-PAZ, RIGOBERTO, Theory of Science
MATA BAVIDIA, JOSÉ, Ancient Philosophy
PINEDA V., GILBERTO, Elements of Logic
ROLDÁN M., MANUEL, Philosophy of Education

Department of Letters:
ALEMÁN G., JOSÉ M., Greek and Latin Literature
CEREZO DARDÓN, HUGO, Literature
ECHEVERRÍA, AMILCAR, National Literature
GALLOU, GENEVIÉVE, French
GRUNDIG, ALEJANDRO, German
HERRERA, FLAVIO, Modern Spanish Literature
LAVALLE, ROBERTO, French
LUKENS, GEORGE J., English
SCHEEL, RUTH A. DE, Latin and Greek
SEPE, MARCELO, Italian
WEVER, MARGARITA C. DE, Greek and Romantic Philology

Department of History:
CONTRERAS R., DANIEL, History and Geography
LUJÁN MUÑOZ, JORGE, Spanish History
LUJÁN MUÑOZ, LUIS, Early History of Guatemala
PARDO G., JOAQUÍN, Palæography
RAÚL TOLEDO, MARIO, History of Greece
RODRÍGUEZ, JOSEFINA DE, History of Art
TOBAR CRUZ, PEDRO, History of Culture

School of Librarianship:
BENDFELDT R., LOURDES, General Bibliography
DARDÓN C., GONZALO, Classification and Cataloguing
PALMA R., GUILLERMO, Library Techniques

Department of Education:
ARÉVALO G., RAMIRO, Fundamentals of Pedagogy
CORDERO, MANUEL, Didactics
LEMUS, LUIS A., Pedagogy

Department of Psychology:
AGUILERA, AUGUSTO, Hygiene
ANTILLÓN M., JOSEFINA, Experimental Psychology
BARAHONA, ELBA A., Measurement of Intelligence
BARRIOS DE HAAS, PILAR, Technical Projects
FERNÁNDEZ R., ELISA, Child Psychology
GILBERT, OTTO, Experimental Psychology
LÓPEZ, BLANCA P., Introduction to Psychology
MACVEAN, ROBERT, Technique of Investigation
MOLINA, MIGUEL F., General Psychopathology
MOLÍNA S., BEATRÍZ, Statistical and Applied Psychology
MORALES, RAÚL DE J., Child Psychology
OCANO, FRANCISCO, Biological Problems
ROCA DE LICARDIE, ELSA M., Statistical Psychology

School of Journalism:
CARRANZA V., ENNIO, Modern Journalism
CASTELLANOS, LEOPOLDO, Reporting and Editing
CHALULEU G., ENRIQUE, Social Journalism
HERNÁNDEZ C., JOSÉ H., Radio Journalism
RAMÍREZ M., ANGEL, Modern Journalism
SANTA CRUZ, ENRIQUE, Introduction to Economics
VELA, DAVID, History of Journalism
ZEA RUAN, EDMUNDO, Reporting and Editing

Faculty of Engineering: 49 professors
Faculty of Chemistry and Pharmacy: 47 professors
Faculty of Economics: 44 professors
Faculty of Odontology: 38 professors
Faculty of Basic Studies: 70 professors
Faculty of Veterinary Medicine and Zootechnics: 25 professors
Faculty of Architecture: 23 professors

AFFILIATED SCHOOLS AND INSTITUTES:

Escuela de Ciencias Económicas de Occidente (*School of Economics*).
Director: Lic. SAÚL OSORIO.

Escuela de Ciencias Juridicas y Sociales de Occidente (*School of Juridical and Social Services*).
Director: Lic. JOSÉ A. MAZARIEGOS FLORES.

Escuela de Humanidades de Occidente (*School of Humanities*).
Director: Lic. HERMINIO GARCÍA MENDOZA.

Escuela de Servicio Social Rural (*School of Rural Social Service*).
Director: Lic. T. S. JULIO HERNÁNDEZ SIFONTES.

Escuela de Periodismo (*School of Journalism*).
Director: Lic. FLAVIO HERRERA.

UNIVERSIDAD RAFAEL LANDIVAR

APDO. 1273, GUATEMALA, C.A.
Telephone: 680337-680835.
Founded 1961.

Rector: Lic. JORGE R. TORUÑO.
Registrar: ANTONIO CALDERÓN.
Librarian: Dr. EUGENIO HERNÁNDEZ.

Number of teachers: 70.
Number of students: 783.
Publications: *El Landivariano, Lex.*

DEANS:

Faculty of Economics: Dr. RAFAEL R. BOSCH.
Faculty of Juridical and Social Sciences: Dr. LUIS BELTRANENA.
Faculty of Humanities: Dr. LUIS AYCINENA.

SCHOOLS OF ART AND MUSIC

Conservatorio Nacional de Música (*National Academy of Music*): f. 1880; oldest in Central America; 36 teaching personnel; 700 students; library of 900 vols.; Dir. ERNESTO J. ALBERTO MENDOZA.

Escuela Regional de Artes Plásticas: Guatemala City; drawing and painting; Dir. RAFAEL MORA.

GUINEA

Population 3,139,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Institut National de Recherches et de Documentation: B.P. 561, Conakry; f. 1958; formerly the Guinea branch of the Institut Français d'Afrique Noire; administers the National Archives, the National Library and Museum and the Mt. Nimba National Reserve; Dir. MAMADOU RAY AUTRA TRAORE; publs. *Recherches Africaines* (quarterly), *Cahiers, No. 1 Inventaires des Archives.*

Institut de Recherches Fruitières: Kindia.

Institut Pasteur: Kindia.

U.S. Information Center: c/o American Embassy, Cultural Dept., B.P. 711, Conakry.

LIBRARIES

Bibliothèque Nationale: Conakry; f. 1960; 10,000 vols., also special collection on slavery (about 500 books, pamphlets and MSS.); 300 current periodicals; Librarian Mrs. LALANDE ISNARD, M.A., DIP.LIB.

Archives Nationales: Conakry; f. 1960; Archivist MARIUS SINKOUN.

MUSEUMS

Musée National: Conakry; f. 1960; Curator MAMADOU SAMPIL.

Mount Nimba National Reserve: nature reserve for wild animals.

There are regional museums at Youkounkoun, Kissidougou and N'Zérékoré.

UNIVERSITY

Université de la Guinée et du Mali. Under the programme for the development of higher education in Africa, worked out at the Tananarive (Madagascar) Conference in September 1962, plans were made for the establishment of the Université de la Guinée et du Mali. When established, the science faculties will be at Conakry, Guinea, and the arts faculties at Bamako in Mali.

COLLEGE

Institut Polytechnique de Conakry: Conakry; f. 1963; built, equipped and financed by the Soviet Union, with teaching staff drawn principally from Russia, France and Belgium; to train engineers and teachers; the library will hold 15,000 vols.

The Faculties of Science, Civil Engineering, Geology and Mining and the Faculty of Letters have already been set up. For the academic year 1964-65, Faculties of Agriculture, Medicine and Pharmacy, Chemistry and a Faculty of Electrical Engineering have been planned.

Students arriving at the Institut spend their first year undertaking propaedeutic studies. Total capacity: 1,500 students.

Director of Studies: A. BOISRAYON.

Number of students (1963-64): 65.

HAITI

Population 3,700,000

LEARNED SOCIETIES

Alliance Française: Port-au-Prince; Pres. Dr. GERARD BOYER.

Le Bibliophile: Cap Haïtien; f. 1923 to extend and increase knowledge of world literature and love of good books; 28 mems.; Pres. SILVIO FASCHI; Sec. LOUIS TOUSSAINT; publs. *La Citadelle* (weekly), *Stella* (monthly).

Bureau d'Ethnologie: Place des Héros de l'Indépendance Port-au-Prince; f. 1941; Departments: African-Haitian Ethnography, pre-Columbus Archæology; Dir.-Gen. EMMANUEL C. PAUL; Hon. Dir. Dr. FRANÇOIS DUVALIER; Sec.-Gen. and Asst. in the Archæological Section JACQUES M. ORIOL; Hon. Dir. and Asst. in the Africo-Haitian Ethnographical Section GERSON ALEXIS; publ. *Bulletin* (quarterly).

Institut d'Ethnologie d'Haïti: Rue Capois, Port-au-Prince f. 1941; Dir. LOUIS MARS; Sec. MAURICE DIEUDONNE.

Institut Français d'Haïti: Cité de l'Exposition, P.O. Box 131, Port-au-Prince; f. 1945; 1,018 mems.; library of 30,000 vols.; Dir. GILBERT BRON; publ. bi-monthly journal *Conjonction*.

Institut Haitiano-Américain: Avenue Boyer, Port-au-Prince; f. 1942; 470 mems.; library of 5,000 vols.; Executive Sec. Dr. JOHN P. WONDER; publ. *Liaison* (monthly).

Institut Mopique: Rue Mgr. Guilloux, Port-au-Prince; f. 1948; Pres. RODRIGUE CASIMIR.

Société Bolivarienne d'Haïti: Port-au-Prince; f. 1939; Pres. VICTOR GAUVIN; Secs. SERGE CORVINGTON, E. BELLAROLE.

Société des "Amis du Roi": Port-au-Prince; Pres. M. ZEPHIRIN; Sec. ERNEST TROUILLOT.

Société d'Etudes Scientifiques: Port-au-Prince; f. 1937; Pres. CAMILLE HÉRISSON.

Société Haïtiano-Cubaine: Port-au-Prince; Pres. R. CAMILLE.

Société Haïtienne des Lettres et des Arts: Port-au-Prince; Pres. (Vacant)

Société Haïtiano-Mexicaine: Port-au-Prince; Pres. ANDRÉ MONPLAISIR.

Société d'Histoire et de Géographie: Port-au-Prince; f. 1923; Pres. Dr. PRICE MARS.

LIBRARIES

Bibliothèque Nationale d'Haïti: rue Hammerton Killick, Port-au-Prince; f. 1940; 19,000 vols.; 12 brs.; Dir. Mme MAX ROSALIE ADOLPHE.

Bibliothèque du Petit Séminaire: Port-au-Prince.

Bibliothèque Saint Louis de Gonzague: Port-au-Prince.

Centre of Documentation: Port-au-Prince; f. 1960; UNESCO aided; library; educational training for librarians; publ. *Review* (for teachers).

MUSEUMS

Musée National: Port-au-Prince; f. 1938; documents, numismatics, paper money, paintings, stones, utensils, arms; Dir. GÉRARD M. LAURENT.

Musée du Peuple Haïtien: Cité de l'Exposition, Port-au-Prince; f. 1949; Dir. MICHELSON HIPPOLYTE.

Le Centre d'Art: Rue de la Révolution, Port-au-Prince; f. 1944; Dir. DEWITT PETERS; arranges representative exhibitions of Haitian art in the Americas and Western Europe.

UNIVERSITY

UNIVERSITÉ D'HAITI

PLACE DES HÉROS DE L'INDEPENDENCE,
PORT AU PRINCE

Rector: Dr. CLOVIS KERNISAN.

Secretary General: CHARLES A. AUGUSTE.

Librarian: JEAN L. FAUBLAS.

The library contains 7,000 volumes.
Number of teachers: 135.
Number of students: 963.

DEANS:

Faculty of Law: CLOVIS KERNIZAN.
Faculty of Medicine: FRANCK BAZILE.
Faculty of Odontology: WEBER HYPPOLITE.

DIRECTORS:

Ecole Normale Supérieure: PRADEL POMPILUS.
National School of Agriculture: FREDERIC KEBREAU.
School of Land Survey: LOUIS ED. ABRAHAM.
Ecole Polytechnique (Engineering): MAURICE LATORTUE.

As no professor list has been received this year or last from the Université d'Haiti, the list has been deleted from the present edition.

COLLEGES

Ecole Polytechnique d'Haïti: Port-au-Prince; f. 1947; Dean MAURICE LATORTUE.

Ecole Libre de Droit: Cap Haïtien; Dir. V. LECONTE

Ecole Libre de Droit de Cayes: Cayes.

HONDURAS

Population 2,023,603

ACADEMY

Academia Hondureña (Honduran Academy): Tegucigalpa; 18th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid.

Director: CARLOS M. GÁLVEZ.

Censor: LUIS LANDA.

Secretary: JORGE FIDEL DURÓN.

Treasurer: EUFEMIANO CLAROS.

Librarian: JUAN B. VALLADARES.

MEMBERS (BY SENIORITY):

NAVARRO, MIGUEL A.
ALVARADO, MARTÍN
ZÚÑIGA, LUIS ANDRÉS.
ARRIAGÁ, ALEJANDRO ALFARO.
MURILLO SOTO, CÉLEO.
OCHOA ALCÁNTARA, ANTONIO.
BONILLA, JOAQUÍN.
AGUILAR PAZ, JESÚS.
PALACIOS, JULIO CÉSAR.
CÁCERES LARA, VÍCTOR.
CRUZ, RAMÓN E.
GÁLVEZ, VIGILIO R.

LEARNED SOCIETIES

Asociación de Bibliotecarios y Archivistas de Honduras: 5a Avda. 517 Comayagua, D.C., Tegucigalpa; publ. *Honduras Bibliotecológica y Archivística.*

Instituto Hondureño de Cultura Interamericana: Avenida Paulino Valladares, Apdo. 201, Tegucigalpa; f. 1939; 195 active, 125 associate mems.; library of 7,500 vols.; Dir. Dr. MALCOM D. MCLEAN.

Instituto Hondureño de Historia: Tegucigalpa; f. 1948; Pres. JOSÉ REINA VALENZUELA.

Instituto Nacional de Antropología e Historia de Honduras: Comayagüela, D.C.; f. 1952; Dir. JESÚS NUÑEZ CHINCHILLA; Sec. ALICIA MAGDALENA PEDILLA.

International P.E.N. Centre: Tegucigalpa.

Servicio Técnico Interamericano de Cooperación Agrícola: Tegucigalpa; f. 1952; library of 1,500 vols.

Sociedad de Geografía e Historia de Honduras: Avenida de la Policía Central, Tegucigalpa; f. 1927; Dir. ERNESTO ALVARADO GARCÍA; Sec. JUAN VALLADARES R.

Sociedad de Filosofía y Estudios Sociológicos: Tegucigalpa.

LIBRARIES

TEGUCIGALPA

Archivo Nacional de Honduras: 6a Ave. No. 408; f. 1880; 40,000 vols.; Dir. Lic. ADYLIA CARDONA DE ANGULO; publ. *Anales del Archivo Nacional de Honduras.*

Biblioteca Nacional de Honduras: 6a Ave. "Salvador Mendieta"; f. 1880; 55,000 vols.; Dir. MIGUEL ANGEL GARCÍA; publ. *Anuario Bibliográfico.*

Biblioteca de la Escuela Agrícola Panamericana: Biblioteca "Wilson Popenoe", Apdo. 93; f. 1946; 8,000 vols.; Librarian ANTONIO MOLINA ROSITTO.

Biblioteca del Instituto Hondureño de Cultura Interamericana: Biblioteca "James G. Blaine", Apdo. No. 201; f. 1939; 5,000 vols.; Librarian MARIANA ZEPEDA.

Biblioteca del Ministerio de Relaciones Exteriores: f. 1913; 5,000 vols.; Dir. ERNESTO ALVARADO GARCÍA.

Biblioteca de la Universidad Nacional: Plaza de la Merced; f. 1848; 3,290 vols.; Librarian FRANCISCO LAGOS.

MUSEUMS

Museo Nacional: Plaza Merazán, Tegucigalpa.

Museo Regional de Arqueología y Colonial: Ciudad de Comayagua; f. 1946; archaeological and colonial collections, the former dating back to 1,000 B.C.; some contemporary items; Dir. Prof. FEDERICO MAYES BOQUÍN.

Museo Histórico "Miguel Paz Baraona": Aldea de Pinalejo, Municípío de Quimistán; f. 1953; archaeological, colonial and contemporary art items of the region; Dir. ESTEBAN MADRID.

Museo Regional de Arqueología Maya: Ciudad de Copán Ruinas o Ruinas de Copán; f. 1939; objects relate exclusively to Maya culture; Dir. MANUEL DE JESÚS PINEDA V.

Museo Nacional de Historia Colonial: Puerto de Omoa, Cortés; f. 1959 in former prison; colonial and historical items; Cur. RAMÓN ZÚÑIGA ANDRADE.

UNIVERSITY

UNIVERSIDAD NACIONAL AUTÓNOMA DE HONDURAS

TEGUCIGALPA, D.C.

Founded 1847

Rector: Ing. ARTURO QUESADA.
Vice-Rector and Director of the University Centre of General Studies: Ing. EDGARDO SEVILLA IDIÁQUEZ.
Secretary-General: MIGUEL R. ORTEGA.
Treasurer: SERAPIO HERNÁNDEZ C.
Secretary of the Council of Administration: Lic. MARCO A. BATRES.

Number of students: 1,600

DEANS:

Faculty of Juridical and Social Sciences: Lic. ALBERTO GALEANO M.

Faculty of Economics: Lic. CECILIO Z. LOZANO.

Faculty of Medicine: Dr. ENRIQUE A. PAZ.

Faculty of Chemistry and Pharmacy: Dr. MARIO G. ROBELO.

Faculty of Odontology: Dr. MANUEL G. CARÍAS.

Faculty of Engineering: Ing. ROBERTO VALENZUELA.

Faculty of Economics at San Pedro Sula: Lic. JORGE O. PAVÓN.

PROFESSORS (*Catedráticos*):

Faculty of Juridical and Social Sciences:
ALFARO ARRIAGA, ALEJANDRO (Administrative Law).
ALFARO ARRIAGA, ALEJANDRO (Diplomatic Law).
BATRES, MARCO A. (International Private Law).
BATRES, CÉSAR A. (Labour Law).
CALLEJAS, POLICARPO (Introduction to the Study of Law).
CRUZ, E., RAMÓN (General Theory of the State).
CRUZ, E., RAMÓN (History of Honduras Law).
CÁRCAMO TERCERO, HERNÁN (Civil Law).
CRUZ, BRAULIO (Roman Law).
CRUZ, REYNALDO (Roman Law).
CISNE GUZMÁN, JOSÉ (Civil Law).
CHAVARRÍA, HÉCTOR (Civil Law).
ELVIR COLINDRES, RAÚL (Procedural Law).
FÚ PEÑALVA, GUSTAVO (Statistics).
GALEANO M., ALBERTO (Civil Law).
LÓPEZ CANTARERO, ALEJANDRO (Civil Law).
LÓPEZ RODEZNO, GUILLERMO (Notary Law).
LEÓN GÓMEZ, ADOLFO (Procedural Law).
MONDRAGÓN, RUBÉN (Economics).
MONTES, DARÍO H. (Penal Law).
PADILLA M., VÍCTOR (Procedural Law).
PINEDA GÓMEZ, JOSÉ (Criminology).
PINEDA MADRID, PEDRO (Public Finance).
RIVERA HERNÁNDEZ, ALEJANDRO (International Public Law).
RIVERA WILLIAMS, CARLOS (Forensic Medicine).
RIVERA TEJO, CORONADO (Philosophy of Law).
ROBERTO RAMÍREZ (Mercantile Law).
VALLADARES, FRANCISCO (Introduction to the Study of Law).
SANDOVAL, JERÓNIMO (Notary Law).
ZACAPA, FRANCISCO (Mercantile Law).

Faculty of Economics:
ARMIJO, ARMANDO (Agrarian Economy).
BONILLA, ALFONSO (Mathematics).
CARÍAS, VIRGILIO (Research Groups).
EUCEDA, ARTURO (Principles of Economics, Economic Theory).
FUNEZ, MIGUEL A. (Technique of Investigation).
GONZÁLES, GLORIA DE (Economic Theory).
KAWAS, ANTONIO (Theory of Economic Development).
MADARIAGA, ARMANDO (Principles of Political Administration).
MARTÍNEZ, PRAXEDES (Public Finance).
MEJÍA, MEDARDO (History of Economic Thought and Economic Doctrine).
MEJÍA, VALENTINA (Money and Banking).
MONDRAGÓN, RUBÉN (Economic Problems).
MORRIS, LUZ L. DE (Labour Economics).
NAPKY, MARINA O. DE (Social Accountancy).
NERY PINEDA, HÉCTOR (Statistics).
RENDÓN, MARIO A. (Economic Geography).
RODENZO, RUBÉN (Statistics).
SEVILLA, I., EDGARDO (Mathematics).
VINELLI, RAÚL (International Commerce).

Faculty of Medicine:
60 professors *catedraticos*.

Faculty of Chemistry and Pharmacy:
ALVARADO TRÓCHEZ, LUIS (Pharmaceutical Technology).
CERNA BUSTAMANTE, MARIO (Organic Chemistry).
CRUZ ZAMBRANO, MIGUEL (General Botany).
DURÓN GALVEZ, FERMÍN (Applied Mathematics).
FIALLOS SILVA, MIGUEL (Qualitative Chemical Analysis).
FIGUEROA SARMIENTO, MANUEL (Microbiology and Parasitology).
LÓPEZ Y LÓPEZ, RAFAEL (Applied Mineral Chemistry).
MUNGUÍA GUERRERO, LUIS (Physics).
PAREDES, MARCO L. (Operative Pharmacy).
POUJOL, EDMUNDO R. (General Studies).
RAMIREZ, JAIME (Organic Analysis).
REINA VALENZUELA, JOSÉ (Pharmacognosy).
RIVERA, MARÍA TERESA DE (Applied Quantitative Chemical Analysis).
SAGASTUME CASTILLO, RENÉ (Applied Physics).
TULIO SANDOVAL, MARCO (Operative Pharmacy).
VALLE TURCIOS, FLORENCIO (Organic Chemistry).
VÁSQUEZ ALVARADO, RAMÓN (Operative Pharmacy).
ZELAYA VALDÉZ, JULIO (Pharmacology).

Faculty of Odontology:
ACOSTA, CELINA (Oral Surgery).
AGUILAR PAZ, ENRIQUE (Oral Surgery).
ALMENDARES, JOSÉ (Bridges).
CERRATO, REGINALDO (Oral Hygiene, Ethics).
COOPER, ROBERTO B. (Operational Dentistry).
CORRALES, CORNELIO (Roentgen Radiology).
CORRALES, EMILIO (Prosthesis of Crowns).
COSENZA, FRANCISCO (Orthodontics).
CUSTODIO, RAMÓN (Oral Pathology).
DELCID, RODOLFO (Oral Anatomy).
FERNÁNDEZ, EDUARDO (Oral Pathology).
FUNÉS R., RAINEL (Total Prosthesis).
GÓMEZ CARÍAS, MANUEL (Diagnostics and Surgery).
HADDAD, JORGE (Internal Medicine).
LAÍNEZ, HÉCTOR (Oral Pathology).
LARA, ALEJO (Oral Diagnostics).
LOZANO CABALLERO , CÉSAR (Dietetics and Nutrition).
MATUTE, ANGEL V. (Oral Pathology).
MONTES, FRANCISCO (Oral Surgery).
PINEDA, ORLANDO (Jurisprudence).
RAUDALES, OSCAR (Oral Histology).
RIVERA, ARMANDO (General Anaesthetics).
RIVERA, JESÚS (Oral Diagnostics).
RODRÍGUEZ, GONZALO (Oral Surgery).
RODRÍGUEZ, MARTÍN (Odontology and Public Health).
VALLADARES, MARÍA ELENA (Periodontics).
VÁSQUEZ, OSCAR (Oral Surgery).
VELÁSQUEZ, ARMANDO (General Pathology).
ZAMBRANA, LISANDRO (Roentgen Radiology).
ZAMORA C., JULIO (Materia Dentica).
ZEPEDA, CARLOS R. (Child Dentistry).

Faculty of Engineering:
BATRES, ANGEL (Statistical Methods).
BREVÉ, ANTONIO (Legal Land Surveying).
CABALLERO, J. DALMIRO (Hydraulics).
CALDERÓN, TIBURCIO (Development Engineering).
CALLEJAS Z., RAÚL (Analytical Mechanics).
CASCO, ANGEL A. (Geology).
CASTILLO, MATÍAS (Highways).
CERNA, HÉCTOR (Irrigation).
DIAZ ZELAYA, FERNANDO (Architectural Drawing).
DOMÍNGUEZ A., ROBERTO (Building Analysis).
MAIRENA, ROBERTO (Water Supply).
MIDENCE, ROBERTO (Structural Analysis).
MONCADA, JUAN A. (Drawing).
REYES, ROBERTO (Masonry and Concrete).
RIVERA, RAFAEL (Topography).
SEVILLA, EDGARDO (Calculus).
SCOTT C., ARTURO (Town Planning).
ULLOA, LUIS S. (Resistance).
VALENZUELA, ROBERTO C. (Materials of Construction).
VALLE, JORGE (Drawing).
YNESTROZA P., GUILLERMO (Descriptive Geometry).

Faculty of Economics (San Pedro Sula):
COBOS CAMINOS, PEDRO (Mathematics).
DURÓN, MEDARDO (Money and Banking).
LÓPEZ, ANDRÉS F. (Economics).
MEJÍA CÁCERES, E. (Philosophy).
MORILLO, ARTURO (Mathematics).
OSORIO PAYÓN, JORGE (Overseas Commerce).
PINEDA AYALA, PEDRO (Labour Economy).
SEVILLA, LUIS L. (Public Administration).
SOSA, ARTURO (History of Economic Thought, Public Finance).
THOMPSON, WILTON (Agrarian Economy and Economic Development).
WEIZEMBLUT, MAURICIO (Economic Development).

University Centre of General Studies:
34 professors *catedraticos*.

HUNGARY

Population 10,135,000

ACADEMY

Magyar Tudományos Akadémia (*Hungarian Academy of Sciences*): Budapest, V. Roosevelt tér 9; Telephone: 113-400, and 126-777; f. 1825.

President: István Rusznyák.

Vice-Presidents: Ferenc Erdei, Gyula Hevesi, Lajos Jánossy, Lajos Ligeti, Rezsö Manninger, Károly Novobátzky.

General Secretary: Tibor Erdey, Grúz.

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Library: *see* Libraries.

Publications: *Acta Linguistica, Acta Antiqua, Acta Orientalia, Acta Historica, Acta Historiae Artium, Acta Archaeologica, Acta Physica, Acta Agronomica, Acta Veterinaria, Acta Medica, Acta Physiologica, Acta Technica, Acta Chimica, Acta Ethnographica, Acta Mathematica, Acta Biologica, Acta Botanica, Acta Litteraria, Acta Morphologica, Acta Microbiologica, Acta Zoologica, Acta Paediatrica, Acta Chirurgica, Acta Juridica, Acta Geologica, Studia Historica, Studia Slavica, Studia Musicologica, Studia Archaeologica, Magyar Tudományos Akadémia Osztályközleményei* (Bulletins of the Sections of the Academy, appearing in eight series), *Magyar Tudomany* (Review of the Hungarian Academy of Sciences).

SECTION I

Linguistics and Literary Sciences:
Secretary: Lajos Tamás.

Honorary Members:

Collinder, Björn.
Hartke, Werner.
Kuo, Mo-Jo.
Köprülü, Fuad.
Meister, Richard.
Shirendeb, B.
Steinitz, Wolfgang.
Vilkuna, Kustaa.

Ordinary Members:

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Ortutay, Gyula.
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Sötér, Istuan.
Szabolcsi, Bence.
Tamás, Lajos.
Tolnai, Gábor.
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Waldapfel, József.

Corresponding Members:

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Hadrovics, László.
Kardos, László.
Kardos, Tibor.
Klaniczay, Tibor.
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Sötér, István.
Szabolcsl, Miklós.

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Molnár, Erik.
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Debye, Peter.
Gábor, Dénes.
Hertz, Gustav.
Herzberg, Gerhard.
Infeld, Leopold.
Komogorov, Andrei Nikolaevich.
Kuratowski, Kazimierz.
Mazur, Stanislaw.
Raman, Chandrasakara Venkata.
Szegö, Gábor.
Vinogradov, Ivan Matyevich.

Ordinary Members:

Alexits, György.
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Erdös, Pál.
Gombás, Pál.
Gyulai, Zoltán.
Hajós, György.
Jánossy, Lajos.
Kalmár, László.
Novobátzky, Károly.
Rédei, László.
Rényi, Alfréd.
Szalay, Sándor.
Szőkefalvi-Nagy, Béla.
Turán, Pál.
Varga, Ottó.

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Fejes Tóth, László.
Ónya, Albert.
Kovács, István.
Nagy, Sándor.
Pál, Lénárd.
Tandori, Karoly.

SECTION IV

Agricultural Sciences:
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Skryabin, Konstantin Ivanovich.
Stubbe, Hans.

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Kotlán, Sándor.
Manninger, Rezső.
Mócsy, János.
Schandl, József.
Somos, András.
Surányi, János.

Corresponding Members:

Horn, Artur.
Láng, Géza.
Mathé, Imre.
Obermayer, Ernő.
Salyi, Gyula.
Ubrizsy, Gábor.
Westsik, Vilmos.

SECTION V

Medical Sciences:
Secretary: Antal Babics.

Honorary Members:

Dembowski, Jan.
Friedrich, Walter.
Hadjioloff, Asséne.
Palladin, Alexandr Vlagyimirovich.
Parhon, Constantin I.
Petrovsky, Boris.
Sabin, A. B.
Sergeyev, Piotr Grigoryevich.

Ordinary Members:

Babics, Antal.	Jancsó, Miklós.
Gegesi Kiss, Pál.	Lissák, Kálmán
Haynal, Imre.	Miskolczy, Dezső.
Issekutz, Béla, Sen.	Petényi, Géza.
Ivánovics, György.	Rusznyák, István.

Corresponding Members:

Baló, József.	Környey, István
Gömöri, Pál.	Radnót, Magda.
Haranghy, László.	Rajka, Ödön.
Kellner, Béla.	Sós, József.
Kerpel-Fronius, Ödön.	Weiszfeiler, Gyula

SECTION VI

Technical Sciences:

Secretary: Géza Bognár.

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Nadaçan, Stefan.
Olszak, Waclaw.
Rompe, Robert
Samarin, Alexandr Mihaylovich.

Ordinary Members:

Benedikt, Ottó.	Mihailich, Győző.
Bognár, Géza.	Millner, Tivadar.
Gelbji, Sándor.	Szigeti, György.
Heller, László.	Verő, József.
Major, Máté.	Winter, Ernö.

Corresponding Members:

Bárány, Nándor.	Kovács, Károly Pál.
Barta, István.	Kozma, László.
Bogárdi, János.	Lévai, András
Borbély, Samu.	Liska, József.
Csáki, Fifyes.	Mosonyi, Emil.
Csanádi, György.	Seidner, Mihály.
Fonó, Albert.	Széchy, Károly.
Gillemot, László.	

SECTION VII

Chemical Sciences:

Secretary: Béla Lengyel.

Honorary Members:

Dubinyin, Mihail Mihajlovics.	Nowotny, Hans.
Hevesy, György.	Rienäcker, Günther.
Heyrovsky, Jaroslav.	Semyonov, Nikolay Nikolayevich.
Nesmeyanov, Alexander Nyikolayevich.	Sorm, Frantisek.

Ordinary Members:

Bognár, Rezső.	Freund, Mihály.
Bruckner, Győző.	Gerecs, Árpád.
Csűrös, Zoltán.	Korach, Mór.
Erdey, László.	Schay, Géza.
Erdey-Grúz, Tibor.	Szabó, Zoltán.
Fodor, Gábor.	Vargha, László.

Corresponding Members:

Cholnoky, László.	Nagy, Ferenc.
Földi, Zoltán.	Polinszky, Károly.
Kiss, Árpád.	Proszt, János.
Lengyel, Béla.	Vas, Károly.
Müller, Sándor.	

SECTION VIII

Biological Sciences

Secretary: F. Bruno Straub.

Honorary Members:

Mothes, Kurt.	Roche, Jean.

Ordinary Members:

Ábrahám, Ambrus	Soó, Rezso.
Dudich, Endre.	Straub, F. Bruno.
Ernst, Jeno.	Törö, Imre

Corresponding Members:

Balogh, János.	Kromphecher, István.
Donhoffer, Szilárd.	Szentágothai, János.
Farkas, Gábor.	Zólyomi, Bálint.
Kolosváry, Gábor.	

SECTION IX

Economics and Jurisprudence:

Secretary: István Friss.

Honorary Members:

Chernokolev, Titko Nikolov.
Heady, Earl O.
Honkasalo, Brynolf.

Ordinary Members:

Búza, László.	Hevesi, Gyula.
Erdei, Ferenc.	Nizsalovszky, Endre.
Friss, István.	Szabó, Imre.

Corresponding Members:

Bognár, József.	Osztrovszki, György.
Eörsi, Gyula.	Szalai, Sándor.
Háy, László.	Szászy, István.
Kovács, István.	

SECTION X

Earth and Mining Sciences:

Secretary: Elemér Szádeczky-Kardross.

Honorary Member:

Krastanov, Ljubomir.

Ordinary Members:

Szádeczky-Kardross, Elemér.	Vadász, Elemér.
Tárczy-Hornoch, Antal	Vendel, Miklós.
	Vendl, Aladár.

Corresponding Members:

Egyed, László.	Pécsi, Márton.
Kertai, György.	Tarján, Gusztáv.
Pantó, Gábor.	Zambó, János.

LEARNED SOCIETIES

Allami Dij és Kossuth-dij Bizottság (*Committee for the State Prize and Kossuth Prize*): Budapest, V, Kossuth Lajos tér 1-3; f. 1948, reorganised 1964.
President: Dr. Miklós Ajtai.
Vice-Presidents: János Brutyó, Pál Ilku, Arpád Kiss, Dr. Erik Molnár, Dr. István Rusznyák.

Müszaki és Természettudományi Egyesületek Szövetsége (*Federation of Technical and Scientific Societies of Hungary*): Budapest, V, Szabadságtér 17; f. 1948; Pres. Arpád Kiss; Sec.-Gen. Endre Valkó; publs. *Muszaki Elet* (Technical Life), *Ipargazdaság* (Industrial Economy). There are twenty-three member societies, marked below with an asterisk:

Agriculture

***Magyar Agrártudományi Egyesület** (*The Hungarian Society of Agricultural Sciences*): Budapest, V, Szabadság-tér 17; f. 1951; Pres. Dr. Gábor Petoházi; Sec.-Gen. István Tamássy; publ. *Agrártudomány* (Agricultural Science).

Magyar Élelmezésipari Tudományos Egyesület (*Hungarian Scientific Society for the Food Industry*): Budapest, V, Akadémia-u. 1-3; Gen. Sec. Chem.-Ing. G. Karpati; publs. include *Elelmezési Ipar* (Food Industries) and journals on many branches of the food industry.

***Országos Erdészeti Egyesület** (*National Society of Forestry*): Budapest, V, Szabadság tér. 17, III 338; f. 1866; Pres.

Dr. András Madas; Sec.-Gen. Dr. Emil Sali; publ. *Az Erdő* (Forest).

Archæology, Antiquities

Magyar Régészeti, Müvészettörténeti és Éremtani Társulat (*Hungarian Society of Archæology, History of Fine Arts and Numismatics*): Budapest, XIV, Dózsa György-ut 41; Pres. Zoltán Oroszlán; Vice-Pres. Geza Entz; Sec. Gyula Soós; publs. *Archaeológiai Értesitö, Müvészettörténeti Értesitö Numizmatikai Közlöny, Érem.*

Architecture

***Épitöipari Tudományos Egyesület** (*Scientific Society of Building*): Budapest, V, Szabadság tér. 17; f. 1949; Pres. Prof. Dr. Ing. Kornél Rados; Sec.-Gen. György Gabos; publs. *Magyar Épitöipar* (Hungarian Building Industry), *Épületgépészet* (Sanitary Engineering), *Városépités* (Town Planning).

***Szilikátipari Tudományos Egyesület** (*Scientific Society of the Silicate Industry*): Budapest, V. Szabadság tér 17; f. 1949; Pres. Dr. Mór Korach; Sec.-Gen. Dr. József Talabér; publ. *Épitöanyag* (Building Material).

The Arts

Magyar Müvészeti Tanács (*Hungarian Arts Council*): Budapest, V, Szent István-tér 15; f. 1945; Chair. Z. Kodály; Sec.-Gen. F. Farkas.

Magyar Táncmüvészek Szövetsége (*Association of Hungarian Dancers*): Budapest, XIV, Népstadion út 97; f. 1954; Sec. Géza Körtvélyes.

Rippl-Rónai József Társaság (*József Rippl-Rónai Society*): Budapest, VII, Nagyatádi Szabó-utca 36; f. 1946; Chair. J. Egry; Admin. Dir. G. Beron; Sec.-Gen. L. Bényi.

Szinháztudományi Intézet (*Institute of Theatrical Sciences*): Budapest, I, Krisztina krt. 57; Pres. Ferenc Hont; controls the following institute:

National Historical Museum of the Theatre.

Publs. *Theatrum, Szinházi Tanulmdyok, Szinháztörténeti Könyvtar, Théâtre en Hongrie.*

Astronomy

Uránia Bemutató Csillagvizsgáló (*Urania Observatory*): Budapest, I, Sánc-utca 3B; f. 1946; Dir. György Kulin; 16-inch Nasmyth reflector; publ. *Csillagos Ég* (quarterly).

Biology, Entomology

Magyar Biológiai Társaság (*Hungarian Biological Society*): Budapest, VII, Gorkij fasor 17-21; f. 1952; 720 mems.; Pres. Imre Törö; Sec.-Gen. Dr. Ottó Eiben; publs. *Anthropológiai Közlemények, Allattani Közlemények, Biológiai Közlemények, Botanikai Közlemények.*

Magyar Biológiai Társaság Botanikai Szakosztálya (*Botanical Department of the Hungarian Biological Society*): Budapest, VII, Gorkij-fasor 17-21; f. 1940, until 1952 the Hungarian Botanical Society; 200 mems.; Pres. Dr. Z. Kárpáti; Sec. Dr. D. Vágújfalvi; publs. *Botanikai Közlemények, Communicationes Sectionis Botanicae Societatis Biologicae Hungariae.*

Magyar Rovartani Társaság (*Hungarian Society of Entomology*): Budapest, VIII, Baross-utca 13; f. 1910; Pres. Á. Soós; Vice-Pres. E. Dudich and L. Móczár; Sec. L. A. Gozmány; publs. *Rovartani Közlemények* (*Folia Entomologica Hungarica ser. nov.*).

Chemistry, Hydrology, Physics

***Eötvös Loránd Fizikai Társulat** (*The "Eötvös Loránd" Society of Physics*): Budapest, V, Szabadság-tér 17; f. 1949; Pres. Zoltán Gyulai; Sec.-Gen. György Szigeti; publ. *Fizikai Szemle* (Physical Review).

***Magyar Geofizikusok Egyesülete** (*Association of Hungarian Geophysicists*): Budapest, V, Szabadság-tér 17; f. 1954; 574 mems.; Gen. Sec. István Czeglédi; publs. *Geofizikai Közlemények, Magyar Geofizika.*

***Magyar Hidrologiai Társaság** (*Hungarian Hydrological Society*): Budapest, V, Szabadság-tér 17; f. 1917; Pres. Dr. Sándor Vitális; Sec.-Gen. Zoltán Elek; publ. *Hidrologiai Közlöny* (Journal of Hydrology).

***Magyar Kémikusok Egyesülete** (*Association of Hungarian Chemists*): Budapest, V, Szabadság-tér 17; f. 1907; Pres. Géza Schay; Sec.-Gen. Miklós Preisich; publs. *Magyar Kémikusok Lapja, Magyar Kémiai Folyóirat* (Chemical Review).

Education, Culture

Institut Français: Szegfü-utca 6, Budapest, VI; Dir. A. Beyer.

Istituto Italiano di Cultura: Bródy Sándor, utca, 8, Budapest; Dir. Prof. Giuseppe Garino.

Kulturális Kapcsolatok Intézete (*Institute of Cultural Relations*): Budapest, V, Dorottya-utca 8; Pres. Prof. József Bognár.

Magyar Tudományos Ismeretterjesztö Társulat (*Society for Popularisation of Scientific Knowledge*): Budapest, VIII, Bródy Sándor u. 16; f. 1841; Pres. Gyula Ortutay; Gen. Sec. Jozsef Honfi; publs. *Elet és Tudomány* (Life and Science) weekly, 175,000 copies), *Természettudományi Közlöny* (Bulletin of Natural Sciences) (monthly 16,600 copies), *Valóság* (Reality) (two-monthly 11,000 copies), *Buvár* (Explorer) (quarterly 8,300 copies), *Elövilág* (The World Alive) (two-monthly 9,100 copies), *Müemlékvédelem* (Care of Ancient Monuments) (quarterly 3,600 copies), *Világosság* (Light) (monthly), *Borsodi Szemle* (Borsodi Review) (quarterly, 3,000 copies), *Jászkunság* (quarterly), *Tudomány és Mezögazdaság* (Science and Agriculture) (two-monthly).

Ethnography, Social Sciences

Magyar Néprajzi Társaság (*Hungarian Ethnographical Society*): Budapest, VIII, Könyves Kálman-körut 40; f. 1889; Pres. Gyula Ortutay; Vice-Pres. Sándor Balint, Tibor Bodrogi, Béla Gunda, István Tálasi; Sec.-Gen. Imre Katona; publ. *Ethnographia.*

Népmüvelési Intézet (*Institute of Adult Education and Folk Art*): Budapest, I, Corvin tér 8; f. 1951; Dir. Imre Kiss.

Országos Néptanulmányi Egyesület (*Hungarian Society of Ethnology*): Budapest, VII, Elemér-utca 41.11.7; f. 1913; Pres. D. Fokos-Fucha; Vice-Pres. Rubinyi; Sec. L. Gombos; publ. *Magyar Nyelvör.*

Geology, Geography and Mineralogy

Geodéziai és Kartográfiai Egyesület (*Society for Geodesy and Cartography*): Budapest, V, Szabadság-tér 17; f. 1956; Pres. Lajos Homoródi; Sec.-Gen. Frigyes Raum; publ. *Geodézia és Kartográfia.*

Magyar Földrajzi Társaság (*Hungarian Geographical Society*): Budapest, VI, Népköztársaság ut. 62; f. 1872, reorg. 1953; Pres. Pál Zoltán Szabó; Gen. Sec. László Simon; 2,500 mems.; publ. *Földrajzi Közlemények* (quarterly); library: *see* Libraries.

***Magyarhoni Földtani Társulat** (*Hungarian Geological Society*): Budapest, VIII, Muzeum-körut 4A; f. 1848; Hon. Pres. E. Vadász; Pres. G. Kertai; publ. *Földtani Közlöny.*

***Országos Magyar Bányászati és Kohászati Egyesület** (*Hungarian Mining and Metallurgical Association*): Budapest, V, Szabadság-tér 17; f. 1892; Pres. Ferenc Lévátdi; Gen. Sec. Béza Selmeczi; publs. *Bányászati Lapok* (Journal of Mining), *Kohászati Lapok* (Journal of Metallurgy), *Öntöde* (Foundry).

History and Literary History

Magyar Irodalomtörténeti Társaság (*Society of Hungarian Literary History*) Budapest, V, Pesti Barnabás utca 1; f. 1912; Pres. Gyula Földessy; Gen. Sec. Pál Kardos; Scientific Sec. Antal Wéber; publ. *Irodalomtörténet* (History of Literature).

Magyar Történelmi Társulat (*Hungarian Historical Society*): Budapest, I, Uri ut. 51-53; f. 1867; Pres. Erik Molnár; Vice-Pres. G. Ember, Z. P. Pach, I. Révész; Gen. Sec. György Székely; publs. *Századok, Magyarország ujabbkori történetének forrásai* (*Fontes historiae Hungaricae aevi recentioris*).

Literature, Linguistics

Batsányi János Irodalmi Társaság (*János Batsányi Literary Society*): Pécs, Apáca-utca 8; f. 1945; Pres. Endre Angyal.

Magyar Irók Szövetsége (*Association of Hungarian Writers*); Budapest, VI, Bajza u. 18; f. 1945; Pres. J. Darvas.

Magyar Nyelvtudományi Társaság (*Hungarian Linguistic Society*): Budapest, V, Pesti Barnabás utca 1; f. 1904; Pres. Prof. Géza Bárczi.

Magyar P.E.N. Club (*Hungarian P.E.N. Club*): Budapest, Dorottya u. 8; Pres. István Sötér; Vice-Pres. Iván Boldizsár; Gen. Sec. László Kéry.

Vajda János Társaság (*János Vajda Society*): Budapest, XII, Sallay 1, utca 26; f. 1926, reorganised 1947; Pres. I. Pál Vajda; Gen. Sec. A. Tiszay; Sec. M. Pándy.

Mathematics

***Bolyai János Matematikai Társulat** (*János Bolyai Mathematical Society*): Budapest, V, Szabadság tér 17; f. 1947; Pres. G. Hajós; Exec. Vice-Pres. J. Surányi; Gen. Sec. L. Fuchs; publ. *Matematikai Lapok* (Mathematical Papers) (one vol. a year), and *Középiskolai Matematikai Lapok* (Mathematical Papers for Schools) (two vols. a year).

Medicine, Pharmacy

Magyar Gyógyszerésztudományi Társaság (*Hungarian Society of Pharmaceutical Science*): Budapest, VIII, Üllői-utca 26; f. 1922; Pres. Prof. A. Végh; Gen. Sec. K. Zalai; publ. *Gyógyszerésztudományi Értesitő* (*Acta Pharmaceutica Hungarica*).

Meteorology

***Magyar Meteorológiai Társaság** (*Hungarian Meteorological Society*): Budapest, V, Szabadság tér 17; f. 1925; Pres. Dr. F. Dési; Gen. Sec. J. Szakály.

Music

Magyar Zeneművészek Szövetsége (*Association of Hungarian Musicians*): Budapest, V, Semmelweis u. 1; f. 1949; Hon. Chair. Zoltán Kodály; Sec.-Gen. Tibor Sarai; Sec. Magda Szávai.

Országos Magyar Cecilia Egyesület (*National Hungarian Cecilia Association*): Budapest, II, Mártirok-utja 64-B; f. 1897; Ecclesiastical Chair. L. Shvoy; Secular Chair. L. Bárdos; *c.* 2,000 mems.

Psychology

Magyar Psychológiai Társaság (*Hungarian Psychological Society*): Budapest, II, Pengő-utca 5; f. 1928; Pres. (Vacant).

Technology

***Bőripari Tudományos Egyesület** (*Scientific Society of Leather Processing*): Budapest, V, Szabadság tér 17; f. 1930; Pres. István Fehér; Sec.-Gen. Péter Weitzner; publ. *Bőr és Cipőtechnika* (Leatherware).

***Energiagazdálkodási Tudományos Egyesület** (*Society for the Distribution and Use of Electrical Energy*): Budapest, V, Szabadság tér 17; f. 1949; Pres. Ferenc Vály; Sec.-Gen. István Varga; publ. *Energia es Atomtechnika* (Energy Economy and Atomic Technics).

***Faipari Tudományos Egyesület** (*Scientific Society of the Timber Industry*): Budapest, V, Reáltanoda utca 13-15; f. 1950; Pres. János Villám; Sec.-Gen. László Somogyi; publ. *Faipar* (Timber Industry).

***Gépipari Tudományos Egyesület** (*Society of Mechanical Engineers*): Budapest, V, Szabadság tér 17; f. 1949; Pres. Prof. Dr. Ing. József Varga; Sec.-Gen. Ing. Géza Láng; publs. *Gép* (Machinery), *Járművek Mezőgazdasági Gépek* (Vehicles and Agricultural Machines), *Gépgyártás Technologia* (Machine Production Technology), *Műanyag* (Plastics).

***Hiradástechnikai Tudományos Egyesület** (*Scientific Society of Telecommunication*): Budapest, V, Szabadság tér 17 III 377; f. 1949; Pres. Dr. István Barta; Gen. Sec. Miklos Izsák; publ. *Hiradástechnika* (Communication).

***Kozlekedéstudományi Egyesület** (*Scientific Asscn. of Communications and Civil Engineering*): Budapest, V, Szabadság tér 17/3; f. 1949; Pres. Dr. György Csanádi; Sec.-Gen. Károly Rödönyi; publs. *Közlekedéstudományi Szemle* (Communications Review), *Melyépitéstudományi Szemle* (Civil Engineering Review).

***Magyar Elektrotechnikai Egyesület** (*Hungarian Electrotechnical Association*): Budapest, V, Szabadság tér 17; f. 1900; Pres. Árpád Kiss; Gen. Sec. Sándor Szepessy; publs. *Elektrotechnika* (Electrotechnical Transactions), *Villamosság* (Electrotechnical Practices).

***Méréstechnikai és Automatizálási Tudományos Egyesület:** (*Scientific Society for Measurement and Automation*): Budapest, V, Szabadság tér 17; f. 1952; Gen. Sec. Prof. A. Frigyes; publ. *Mérés és Automatika* (Measurement and Automation).

***Optikai, Akusztikai és Filmtechnikai Egyesület** (*Society of Optics, Acoustics and Cinematography*): Budapest, V, Szabadság tér 17; Pres. J. Molnar; Sec.-Gen. T. Barna; publs. *Kép és Hangtechnika* (Cinematography and Optics), *Finommechanika* (Precision Mechanics).

***Papir- és Nyomdaipari Muszaki Egyesület** (*Technical Association of the Paper and Printing Industry*): Budapest, V, Szabadság tér 17; f. 1949; Pres. László Földi; Sec.-Gen. Péter Gáti; publ. *Papiripar és Magyar Grafika* (Paper Industry and Hungarian Graphics).

***Textilipari Müszaki és Tudományos Egyesület** (*Hungarian Technical and Scientific Society of the Textile Industry*): Budapest, V, Szabadság tér 17; f. 1948; Gen. Sec. Fusti Pál; publs. *Magyar Textiltechnika* (Hungarian Textile Processing), *Textilipari Tervgazdaság* (Planned Economy in the Textile Industry).

RESEARCH INSTITUTES

Agriculture

Magyar Tudományos Akadémia Talajtani és Agrokémiai Kutató Intézete (*Research Institute of Soil Science and Agricultural Chemistry of the Hungarian Academy of Sciences*): Budapest, II, Herman Ottó ut. 15; f. 1949; research in soil physics, chemistry, genesis, geography and cartography, reclamation, conservation, fertilisation, plant physiology and biochemistry, soil microbiology; isotope laboratory; library of 13,494 vols.; Dir. Dr. I. Szabolcs; publ. *Agrokémia és Talajtan* (Agrochemistry and Soil Science).

Magyar Tudományos Akadémia Állategészségügyi Kutató Intézete (*Veterinary Medical Research Institute of the Hungarian Academy of Sciences*): Budapest, XIV, Hungáriakörút 21; f. 1949; research in infectious and parasitic diseases of domestic animals; library of 3,016 vols.; Dir. János Mészáros.

Magyar Tudományos Akadémia Erdészeti Talajmikrobiológiai Kutató Csoportja (*Research Section for Soil Microbiology of the Hungarian Academy of Sciences*): University of Forestry and Timber Industry, Sopron; f. 1960; Dir. Dr. György Pántos.

Magyar Tudományos Akadémia Mezőgazdasági Kutató Intézete (*Agricultural Research Institute of the Hungarian Academy of Sciences*): Martonvásár, Fejér megye; f. 1949; research in problems of plant genetics, plant physiology, plant breeding and plant cultivation; library of 14,000 vols.; Dir. Dr. Sandor Rajki.

Magyar Tudományos Akadémia Talajtani és Agrokémiai Kutató Intézet Talajmikrobiológiai Osztálay (*Division for Soil Microbiology of the Research Institute of Soil Science and of Agricultural Chemistry of the Hungarian Academy of Sciences*): Budapest, II, Herman Ottó ut 15; f. 1960; Dir. Dr. József Szegi.

Növényvédelmi Kutató Intézet (*Hungarian Research Institute for Plant Protection*): Budapest, II, Herman Ottó-utca 15; f. 1880, reorganised 1950; 74 mems.; library of 4,845 vols.; Dir. Dr. G. Ubrizsy; publs. *Növényvédelmi Kutató Intézet Évkönyve* (Year-book); each section publishes its own reports.

Országos Állatélettani és Takarmányozási Kisérleti Intézet (*Hungarian Research Station for Animal Physiology and Nutrition*): Budapest, II, Kitaibel Pál-utca 4; f. 1896; Acting Chief Harald Tangl.

Országos Gyapju- és Selyemminösitő Intézet (*National Institute for Grading of Wool and Silk*): Budapest, II, Kitaibel Pál-utca 1; f. 1898; Dir. József Schandl.

Országos Vetőmagfelügyelöség Intézet (*Hungarian Seed-Testing Institute*): Budapest, II, Kis Rókus-utca 15A; f. 1881; Head of the Institute László Nagy.

Szőlészeti Kutató Intézet (*Institute for Research in Vine Growing*): Budapest, II, Herman Ottó-út. 15; f. 1896; Dir. J. Katona; Section Chiefs A. Asvány, L. Borbás; publs. *Szőlészeti Kutató Intézet Évkönyve* (*Annales de l'Institut Ampélologique*).

Tejgazdasági Kisérleti Intézet (*Hungarian Dairy Experimental Institute*): Mosonmagyaróvár, Lucsony utca; f. 1903; Dir. Dr. Ferenc Ketting; Dep. Chief Dr. Gábor Pulay.

Vizgazdálkodási Tudományos Kutató Intézet (*Research Institute for Water Resources*): Budapest, VIII, Rákóczi út 41; Dir. Károly Stelczer.

Biology and Medical Sciences

Hungarian National Cancer Institute: Budapest, XII, Ráthe György ú. 5 sz.; Dir. Dr. J. Vikol.

Magyar Tudományos Akadémia Biokémiai Intézete (*Institute of Biochemistry, Hungarian Academy of Sciences*): Budapest, XI, Karolina ut 29; research into the relation between the structure and biological function of proteins; library of 4,500 vols.; Dir. Dr. F. Bruno Straub.

Magyar Tudományos Akadémia Botanikai Kutató Intézete és Botanikus Kertje (*Botanical Research Institute and Botanic Garden of the Hungarian Academy of Sciences*): Vácrátot; theoretical and experimental research; library of 1,450 vols.; Dir. Dr. Bálint Zólyomi.

Magyar Tudományos Akadémia Genetikai Intézete (*Institute of Genetics of the Hungarian Academy of Sciences*): Budapest, II, Herman Ottó-ut 15; f. 1940; plant and microbial genetics; library of 6,173 vols.; Dir. Dr. Barna Györffy.

Magyar Tudományos Akadémia Gyermeklélektani Intézete (*Institute of Child Psychology of the Hungarian Academy of Sciences*): Budapest. VI. Szondy-utca 83-85; f. 1902; library of 8,450 vols.; Dir. Dr. Lajos Bartha.

Magyar Tudományos Akadémia Kisérleti Orvostudomanyi Kutató Intézete (*Institute of Experimental Medicine of the Hungarian Academy of Sciences*): Budapest, VIII, Szigony u. 43; f. 1952; research work in experimental morphology, pathophysiology, pharmacology, etc.; library of 6,000 vols.

Magyar Tudományos Akadémia Tihanyi Biológiai Kutató Intézete (*The Biological Research Institute of the Hungarian Academy of Sciences*): Tihany; f. 1926; research particularly in experimental biology, hydrobiology, plant physiology and experimental zoology; library of 33,334 vols.; Dir. Dr. Béla Entz; publ. *Annales Instituti Biologici (Tihany) Hungaricae Academiae Scientarum.*

National Oncological Institute of Hungary: Budapest; f. 1950; Dir. J. Vikol; Sci. Dir. Prof. Dr. B. Wald.

State Institute of Hygiene: Budapest, IX, Gyáli ut 2-6; f. 1927; library of 22,000 vols.; Dir. Dr. T. Bakács.

Chemistry, Physics and Mathematics

Magyar Állami Eötvös Loránd Geofizikai Intézet (*Loránd Eötvös State Geophysical Institute*): Budapest, XIV, Népstadion ut. 99; f. 1919; Dir. Pál Müller; Deputy Dirs. Oszkár Ádám and Ferenc Honfi; library of 12,000 vols.; publs. *Évkönyv* (Year-book), *Geofizikai Közlemények* (Geophysical Transactions); attached to the Institute:

Geomagnetic Observatory: Lake Balaton, Tihany; f. 1954; Dir. György Barta.

Magyar Tudományos Akadémia Matematikai Kutató Intézete (*Mathematical Institute of the Hungarian Academy of Sciences*): Budapest, V, Reáltanoda u. 13-15; f. 1950; research in fields of pure and applied mathematics; Dir. Dr. Alfréd Rényi; publs. *Publications of the Mathematical Institute of the H.A.S.*

Magyar Tudományos Akadémia Atommag Kutató Intézete (*Institute of Nuclear Research of the Hungarian Academy of Sciences*): Debrecen, Bem-tér 18/c; f. 1954; basic research in low-energy nuclear reactions and nuclear spectroscopy, applications of nuclear methods in other sciences, geo-chemistry of uranium; Dir. Dr. Alexander Szalay; publ. *Atomki Közlemények.*

Magyar Tudományos Akadémia Elméleti Fizikai Kutató Csoportja (*Research Group for Theoretical Physics, The Hungarian Academy of Sciences*): Budapest, XI, Budafoki-ut 8; f. 1954; researches particularly in many-body problem; Dir. Prof. Dr. Pál Gombás.

Magyar Tudományos Akadémia Geodéziai Kutató Laboratóriuma (*Geodetical Research Laboratory of the Hungarian Academy of Sciences*): Sopron, Múzeum utca 6; f. 1955; research in advanced problems of geodesy; Dir. Dr. Ing. h.c. Dr. ANTAL TÁRCZY-HORNOCH.

Magyar Tudományos Akadémia Geofizikai Kutató Laboratóriuma (*Geophysical Research Laboratory of the Hungarian Academy of Sciences*): Sopron, Múzeum utca 6; f. 1955; research in general and applied geophysics; observations and study of the variations in the electromagnetic field of the earth; Dir. Dr. Ing. h.c. Dr. A. TÁRCZY-HORNOCH.

Magyar Tudományos Akadémia Geokémiai Kutató Laboratóriuma (*Geochemical Research Laboratory of the Hungarian Academy of Sciences*): Budapest, VIII, Múzeumkörút 4/a; f. 1955; research in the problems of geochemistry and petrology, with particular regard to migration of elements in the mineral resources in Hungary; Dir. Dr. ELEMÉR SZÁDECZKY-KARDOSS.

Magyar Tudományos Akadémia Központi Fizikai Kutató Intézete (*Central Research Institute of Physics of the Hungarian Academy of Sciences*): Budapest, Konkoly-Thege-ut.; f. 1950; comprises cosmic ray, physical optics, nuclear physics, reactor physics, solid state physics, radio-chemistry laboratories and department of electronics and mathematics; library of 30,000 vols.; Dir. Dr. LAJOS JÁNOSSY; publ. *Magyar Tudományos Akadémia Központi Fizikai Kutató Intézetének Közleményei*.

Magyar Tudományos Akadémia Számitástechnikai Központja (*Computing Centre of the Hungarian Academy of Sciences*): Budapest, V, Nádor-u. 7; f. 1956; Dir. TAMÁS FREY.

Magyar Tudományos Akadémia Központi Kémiai Kutató Intézete (*Central Institute of Chemical Research of the Hungarian Academy of Sciences*): Budapest, II, Pusztaszeri ut 57/69; library of 10,000 vols.; Dir. Dr. GÉZA SCHAY.

Magyar Tudományos Akadémia Müszaki Fizikai Kutató Intézete (*Research Institute for Technical Physics of the Hungarian Academy of Sciences*): Budapest, 114, Pf. 1; f. 1958; fundamental research in the field of technical physics; library of 5,000 vols.; Dir. Dr. GYÖRGY SZIGETI.

Magyar Tudományos Akadémia Sztereokémiai Kutató Csoportja (*Stereochemical Research Laboratory of the Hungarian Academy of Sciences*): Budapest, X, Gém-u. 3; f. 1958; Dir. GÁBOR FODOR.

Nehézvegyipari Kutató Intézet (*Research Institute for Heavy Chemical Industries*): Veszprém, Wartha Vince-u. 1-3; f. 1949; applied research in inorganic chemistry, agricultural chemistry, automation and corrosion; Dir. FERENC MAJDIK; library of 15,000 vols., 8,000 periodicals; publs. *A Nehézvegyipari Kutató Intézet Közleményei* (Communications of the Research Institute) (annually); Documentation Section, Budapest, XI, Budafoki-ut 15.

GEOGRAPHY, GEOLOGY AND METEOROLOGY

Magyar Állami Földtani Intézet (*Hungarian State Geological Institute*): Budapest, XIV, Népstadion ut. 14; f. 1869; library of 130,000 vols.; Dir. J. FÜLÖP; publs. *Évi Jelentés* (Annual Report), *Evkönyv* (Yearbook), *Geologica Hungarica: (a) Series Geologica, (b) Series Palaeontologica*.

Magyar Országos Meteorológiai Intézet (*Hungarian Institute of Meteorology*): Budapest, II, Kitaibel Pál-utca 1 (P.O. Box 114); f. 1870; library of 17,622 vols.; Dir. Dr. Prof. FRIGYES DÉSI; Deputy Dir. Dr. ALFRED ZÁCH; publs. *Idöjárási Napijelentés* (Daily Synoptic Map), *Idöjárási Jelentés Magyarországrol* (Monthly Weather Report of Hungary), *Az Országos Meteorológiai Intézet Évkönyvei* (Yearbooks of the Central Institute of Meteorology), *Az Országos Meteorológiai Intézet "Marczell György Aerológiai Obszervatóriumának Évkönyvei* (Year books of the Aerological Observatory "Marczell György" of the Central Institute of Meteorology), *Ionoszféra Jelentés* (Ionospheric Data), *Magyarország Éghajlata* (The Climate of Hungary), *Idöjárás* (The Weather).

Magyar Tudományos Akadémia Földrajztudományi Kutatócsoport (*Institute of Geography, Hungarian Academy of Sciences*): Budapest, VI, Népköztársaság utca 62; f. 1950, re-org. 1952; research in physical and economic geography; library of 70,000 vols. and maps; Dir. Prof. BÉLA BULLA; publs. *Földrajzi Értesitö* (quarterly).

LANGUAGE, LITERATURE AND MUSIC

Magyar Tudományos Akadémia Irodalomtörténeti Intézete (*Institute of the History of Literature of the Hungarian Academy of Sciences*): Budapest, XI, Ménesi-ut 11-13; f. 1955; research in Hungarian and world literature; library of 120,000 vols.; Dir. Prof. ISTVÁN SÖTÉR; publs. *Irodalomtörténeti Közlemények*, *Helikon*, *Kritika* (periodicals), *Irodalomtörténeti Füzetek* (Essays in Literary History), *Irodalomtörténeti Könyvtár* (Monographs in Literary History), *Irodalom és Szocializmus* (Literature and Socialism), *Fontes* (Sources of Literary History), *Bibliotheca Antiqua Hungarica* (Facsimile Edition), *Az irodalomelmélet klasszikusai* (The Classics of Literary Theory), Critical Edition of Hungarian Classics.

Magyar Tudományos Akadémia Népzenekutató Csoport (*Folk Music Department of the Hungarian Academy of Sciences*): Budapest, V, Roosevelt tér 9; f. 1953; collects and publishes Hungarian folk music; library of 2,500 vols., 40,000 recorded melodies; Dir. Dr. ZOLTÁN KODÁLY; ubls. *Corpus Musicae Popularis Hungaricae*, *Follemusic Library*, etc.

Magyar Tudományos Akadémia Nyelvtudományi Intézete (*Institute of Linguistics of the Hungarian Academy of Sciences*): Budapest, V, Szalay-utca 10; f. 1950; library of 26,000 vols.

OBSERVATORIES

Haynald-Observatorium (*Haynald Observatory*): Kalocsa, Szent Hunyadi Janos-u. 23-25; f. 1878; publ. *A Haynald-Observatorium Közleményei*.

Konkoly-Alapitványi Akadémiai Csillagvizsgáló Intézet (*Konkoly Observatory of the Hungarian Academy of Sciences*): Budapest, XII, Szabadsághegy, Konkoly Thege Miklós-utca 13-17; f. 1899; Mountain Station: Piszkéstetö, u.p. Galyatetö; f. 1962; Dir. LÁSZLÓ DETRE; publs. *Mitteilungen der Sternwarte Budapest-Szabadsághegy*, *Information Bulletin on Variable Stars of Commission 27 of the I.A.U.*

Magyar Tudományos Akadémia Napfizikai Obszervatoriuma (*Heliophysical Observatory of the Hungarian Academy of Sciences*): Debrecen; f. 1958; Dir. LORÁNT DEZSÖ; publ. *Publications of Debrecen Heliophysical Observatory of the Hungarian Academy of Sciences* (in English with Russian and Hungarian summaries).

ORNITHOLOGY

Magyar Madártani Intézet (*Hungarian Institute of Ornithology*): Budapest, II, Garas-utca 14; f. 1893; Acting Dir. ALBERT VERTSE; library; publ. *Aquila* (Yearbook).

POLITICAL, ECONOMIC AND HISTORICAL SCIENCES

Magyar Tudományos Akadémia Allam- és Jogtudományi Intézete (*Institute of Legal and Political Sciences of the Hungarian Academy of Sciences*): Budapest, V, Szemere-utca 10; f. 1949; departments of political and legal theory, international law, constitutional and administrative law, civil law, criminal law, comparative law, documentation; library of 18,000 vols.; Dir. Prof. IMRE SZABÓ.

Magyar Tudományos Akadémia Dunántuli Tudományos Intézete (*West Hungarian Research Institute of the Hungarian Academy of Sciences*): Pécs, Kulich-utca 22; f. 1943; research into geography, ethnography, and history; library of 15,000 vols.; Dir. PÁL ZOLTÁN SZABÓ; publ. *Dunántuli Tudományos Gyüjtemény, Ertekezések.*

Magyar Tudományos Akadémia Filozófiai Intézete (*Institute for Philosophy*): Budapest, V, Nádor-utca 18; f. 1957 for research into problems of dialectical and historical materialism; Dir. JÓZSEF SZIGETI; publ. *Filozófiai Szemle* (Review of Philosophy).

Magyar Tudományos Akadémia Közgazdaságtudományi Intézete (*Institute of Economics of the Hungarian Academy of Sciences*): Budapest, V, Nádor-utca 7; f. 1954; research in the economic problems of modern capitalism and the transition from a capitalist to a socialist system; library of 20,000 vols.; Dir. Dr. ISTVÁN FRISS; publ. *Közgazdasági Szemle* (Economic Review, monthly, with English and Russian summaries), *Yearbook of the Institute of Economics, Bulletin of the Institute of Economics.*

Magyar Tudományos Akadémia Régészeti Kutató Csoportja (*Research Group for Archaeology of the Hungarian Academy of Sciences*): Budapest, I, Uri u. 49; f. 1958; Dir. LÁSZLÓ GEREVICH.

Magyar Tudományos Akadémia Szociologiai Kutató Csoportja (*Research Centre for Sociology, Hungarian Academy of Sciences*): Budapest, I, Uri u. 51-53; f. 1963; Dir. ANDRÁS HEGEDUS.

Magyar Tudományos Akadémia Történettudományi Intézete (*Institute of Historical Research of the Hungarian Academy of Sciences*): Budapest, I, Uri u. 53; departments of Hungarian history, world history, documentation and bibliography; library of 65,000 vols.; Dir. ERIK MOLNÁR; Vice-Dir. GYÖRGY RÁNKI; publ. *Történelmi Szemle.*

TECHNOLOGY

Optical and Fine Mechanics Research Laboratory: Budapest, XI, Fehérvari utca 81.

Papíripari Kutatóintézet (*Research Institute of the Paper Industry*): Budapest, XXI, Duna u. 57; f. 1949; Dir. Dr. GYÖRGY VÁMOS; publ. *Bulletin.*

LIBRARIES AND ARCHIVES

Army Archives and War History Museum: Budapest, I, Tóth Arpád Sekany 40.

Budapesti Orvostudományi Egyetem Könyvtára (*Library of the Medical University of Budapest*): Budapest, VIII, Ullöi ut 26; f. 1828; 319,000 vols.; Dir. Prof. Dr. ENDRE RÉTI.

Egyetemi Földrajzi Tanszékek és Könyvtár (*Library of the Geographical Institute of the Loránd Eötvös University*): Budapest, VIII, Muzeum-körut 6-8; f. 1869; 37,000 vols.

Egyetemi Konyvtár (*University Library*): Budapest, V, Károlyi-u. 10; f. 1635; 1,134,866 vols., 191 codices, 1,131 incunabula, 2,590 old Hungarian printed works (to 1711); Dir. Dr. Phil. LÁSZLO MÁTRAI.

Erdészeti és Faipari Egyetem Központi Könyvtára (*Central Library of the University of Forestry and of the Timber Industry*): Sopron, Bajcsy-Zsilinszky-utca 4; f. 1735; 70,000 vols.; Dir. Dr. ISTVÁN SZABÓ; Librarians JÁNOS ZAKAR, ISTVÁN HILLER, TERÉZ HORVÁTH, MARTA ESZTÓ, ZSUZSÁNNA SIKLÓSI.

Főszékesegyházi Könyvtár (*Library of the Esztergom Cathedral*): Esztergom, Bajcsy-Zsilinszky-u. 28; 200,000 vols.; Dir. Dr. ZOLTÁN KOVÁCH.

Fővárosi Szabó Ervin Könyvtár (*Ervin Szabó Municipal Library*): Budapest, VIII, Szabó Ervin tér 1; f. 1904; 636,000 vols.; 46 brs.; 6 children's libraries; 1,150,000 vols.; special section, Budapest Gyüjtemény, Zenei Könyvtár (Musical Library); Dir. FERENC RÉVÉSZ.

"Gorkij" Library: Budapest, V, Molnár u. 11; f. 1947; br. at Budapest, VII, Gorkij Fasor 45 with collection of musical compositions; Dir. KOMLÓS IMRÉNÉ; publ. *Books of the Month.*

József Attila Tudományegyeten Központi Könyvtára (*Central Library of the József Attila University*): Szeged, Dugonics tér 13; f. 1921; 576,000 vols.; Dir. Dr. ZOLTÁN HAVASI; publs. *A Szegedi Egyetemi Könyvtár Kiadványai, Acta Universitatis Szegediensis.*

Konkoly Obszervatórium Könyvtára (*Library of the Konkoly Observatory*): Budapest, XII, Konkoly-Thege Miklos-u. 13-17; f. 1922; 21,000 vols.

Kossuth Lajos Tudományegyetem Egyetemi Könyvtár (*Lajos Kossuth University Library*): Debrecen, 10; f. 1916; 660,000 vols.; Dir. Dr. ISTVÁN CSÜRY.

Központi Papnevelő Intézet Könyvtára (*Library of the Central Catholic Seminary*): Budapest, V, Eötvös Loránd u. 7; f. 1775; 29,300 vols.; incunabula and MSS. from XI-XV centuries; Dir. Dr. JOSEPH FELEGYHÁZY.

Központi Statisztikai Hivatal Könyvtára (*Library of Central Office of Statistics*): Budapest, II, Keleti Károly 5-7; 350,000 vols.; publ. *Közgazdasági és Statisztikai Irodalmi Tájékoztató* (monthly); Dir. D. DÁNYI.

Library of the College of Horticulture and Viticulture: Budapest, XI, Ménesi Road 45; 81,411 vols., 690 current periodicals; 22 brs. with 43,627 vols.; Chief Librarian Dr. BARBARA GESMEY.

Library of the Institute of the History of the Party: Budapest, V, Alkotmány u. 2; f. 1948; 50,000 vols.; Librarian MIKLÓS PRÁGER; publ. *Párttörténeti Közlemények.*

Library of the Technical University for Chemical Industries: Veszprém.

Library of the University of Agricultural Sciences: Gödöllö; 200,000 vols., 1,500 current periodicals; Dir. Dr. GY. LÖRINCZ; publs. Annual Report, bibliographies and studies.

Magyar Állami Földtani Intézet Könyvtára (*Library of the Hungarian State Geological Institute*): Budapest, XIV, Népstadion út 14; *c.* 130,000 vols.; Librarian Dr. ILONA SCHEY.

Magyar Földrajzi Társaság Könyvtára (*Library of the Hungarian Geographical Society*): Budapest, VI, Népköztársaság ut 62; f. 1873; 21,000 vols.; 505 maps; Librarian LÉCES KÁROLYNÉ.

Magyar Izraeliták Országos Könyvtára (*Library of the Hungarian Jews*): Budapest, VIII, József-körut 27; comprises:

Library of the Jewish Community: Budapest, József-körut 27; public circulating library for Jews; *c.* 22,000 vols.; Librarian Prof. Dr. A. SCHEIBER.

Library of the Jewish Theological Seminary of Hungary: Budapest, VIII, Rökk Szilard-utca 26; f. 1877; 40,000 vols.; Librarian Prof. Dr. A. SCHEIBER.

Magyar Nemzeti Muzeum-Iparmüvészeti Muzeum Könyvtára (*Library of the Museum of Decorative Arts*): Budapest, IX, Ullöi ut 33-37; f. 1872; scientific research library for the decorative arts; 21,800 vols.;

7,176 periodicals; Dir. Dr. phil. habil. JUDITH KOOS; publs. *Yearbooks of the Museum of Decorative Arts*.

Magyar Nemzeti Museum Régészeti Könyvtára (*Archaeological Library of the Hungarian National Museum*): Budapest, VIII, Muzeum körut 14-16; f. 1952; 62,000 vols. of Hungarian and foreign archaeology, numismatics and history; Dir. Dr. ENDRE NÉMETH; publ. *List of Exchange Publications*.

Magyar Nemzeti Muzeum—Természettudományi Muzeum, Könyvtár (*Library of the Hungarian National Museum of Natural History*): Budapest, VIII, Baross-u. 13; f. 1810; 215,000 vols.; Librarian Mrs. K. BÁTORI; publ. *Annales Hist. Nat. Musei Nationalis Hungarici*.

Magyar Népköztársaság Legfelsöbb Biróság Könyvtára (*Library of the Supreme Court of the Hungarian People's Republic*): Budapest, I, Fö-utca 1; f. 1882; 42,464 vols.; Librarian JÓZSEF MÁRKUS.

Magyar Országos Levétár (*Hungarian National Archives*): Budapest, I, Bécsikapu-tér 4; f. 1874; Gen. Dir. GYŐZŐ EMBER; Dirs. IVAN BORSA and OSCAR SASHEGYI; publ. *Levéltári Közlemények* (Journal of the Hungarian National Archives).

Magyar Országos Levéltár Könyvtára (*Library of the Hungarian National Archives*): Budapest, I, Bécsikapu-tér 4; 50,100 vols.; Librarian ISTVÁN BOGDÁN.

Magyar Történettudományi Intézet Könyvtára (*Library of the Institute of Historical Science of the Hungarian Academy of Sciences*): Budapest, I, Uri u. 51-53, 65,000 vols.; Librarian MARTA PAPP.

Magyar Tudományos Akadémia Földrajz-tudományi Kutatócsoportja Könyvtára (*Library of the Geographical Research Institute of the Hungarian Academy of Sciences*): Budapest, V, Nádor-utca 7 (53 P.O. Box 37); f. 1945; 28,000 vols., 35,000 maps, 800 MSS; Librarian ERNOWALLNER, PH.D.; publ. *Földrajzi Dokumentáció* (irreg.).

Magyar Tudományos Akadémia Gyermeklélektani Intézete Könyvtára (*Library of the Institute for Child Psychology of the Hungarian Academy of Sciences*): Budapest, VI, Szondy ut. 83-5; f. 1902; 8,450 vols.; Dir. Dr. L. BARTHA; Librarian Mrs. M. DÉZSI-CZIBERE.

Magyar Tudományos Akadémia Konyvtára (*Library of the Hungarian Academy of Sciences*): Budapest, V, Akadémia-u. 2; f. 1826; 652,000 vols., 143,000 periodicals, 259,000 MSS.; collection includes Oriental manuscripts, old prints and incunabula; centre for exchange of publications between Hungarian Academy of Sciences and other countries; microfilm service; Dir. GYÖRGY RÓZSA; publ. *Publicationes Bibliothecae Academiae Scientiarum Hungaricae, Tájékoztató a Tudományos Kutatás Tervezésének, Igazgatásának és Szervezésének Nemzetközi Irodalmáról*.

Marx Károly Közgazdaságtudományi Egyetem Központi Könyvtára (*Library of the Karl Marx University of Economic Science*): Budapest, IX, Dimitrov-tér 8; 408,239 vols.; Dir.-in-Charge Dr. L. MISZTI.

Meteorológiai Intézet Könyvtára (*Library of the Meteorological Institute*): Budapest, II, Kitaibel Pál-u. 1; 17,569 vols.; Chief Librarian GISELE BÁNSÁGI.

Müszaki Egyetem Központi Könyvtára (*Central Library of the Technical University*): Budapest, XI, Budafoki ut 4-6; 365,000 vols.; Dir. Dr. KÁROLY HÉBERGER.

National Board of Archives: Budapest, I, Uri-u. 54-56; f. 1950; functions as supervising board of all archives in Hungary; Gen. Dir. ANTAL SZEDŐ.

Nehézipari Müszaki Egyetem Központi Könyvtára (*Central Library of the Technical University of Heavy Industry*): Miskolc; 237,000 vols.; Chief Librarian Dr. ZSIDAI JÓZSEF.

Néprajzi Muzeum Könyvtára (*Library of the Museum of Ethnography*): Budapest, VIII, Könyves Kálmán-körut 40; 60,000 vols.; Librarian ZOLTÁN KOVÁCS; publs. *Néprajzi Értesito, Néprajzi Közlemények, Index Ethnographicus, Értesitő, Történeti-néprajzi Füzetek, Utmutató Füzetek a Néprajzi Adatgyüjtéshez, Népmesekatalógus Füzetei*.

Országgyülési Könyvtár (*Library of Parliament*): Budapest, V, Kossuth Lajos-tér 1-3; f. 1849; 410,000 vols.; Dir. GEORGE VÉRTES.

Országos Állategészségügyi Intézet Könyvtára (*Library of the Central Veterinary Institute*): Budapest, XIV, Tábornok-u. 2; 3,013 vols.; Librarian MARGARET BALLA.

Országos Közegészégügyi Intézet Könyvtára (*Library of the State Institute of Hygiene*): Budapest, IX, Gyáli-ut. 4; 22,000 vols.; Librarian Mrs. THÉRÈSE GÁL.

Országos Magyar Bányászati és Kohászati Egyesület Könyvtára (*Library of the Association for Mining and Metallurgy*): Budapest, V, Szabadság-ter 17; 5,000 vols.

Országos Mezögazdasági Könyvtár és Dokumentációs Központ (*National Agricultural Library and Centre for Documentation*): Budapest, I, Attila-u. 53; Librarian Dr. ANDRÁS MIKÓ.

Országos Müszaki Könyvtár (*National Technical Library*): Budapest, VIII, Reviczky 6; f. 1883; 200,000 vols.; 5 million patent specifications; reading-rooms; bibliographical section; microfilm service; periodicals exchanged with foreign countries; Dir. LAJOS JÁNSZKY; publs. *Hungarian Technical Abstracts* (quarterly in three languages), *Müszaki Lapszemle* (Technical Reviews, published in twelve sections monthly), Quarterly Bulletin for Technical Librarians.

Országos Orvostörténeti Könyvtár (*Library of Medical History*): Budapest, II, Török u. 12; Dir. ÁKOS PALLA.

Országos Orvostudományi Könyvtár és Dokumentációs Központ (*Hungarian Medical Library and Documentation Centre*): Budapest, VIII, Szentkirályi-utca 21; centre for medical libraries and documentation; Hungarian and foreign medical and biological literature documented, and medical bibliographies and reviews compiled; library of 10,000 vols.; Dir. Dr. S. SZÉKELY; publs. *Hungarian Medical Bibliography* (quarterly; English edition yearly), *Medical Librarian* (quarterly), *Horus* (medical documentation, in periodical *Orvosi Hetilap*).

Országos Pedágógiai Könyvtár (*Central Library of Education*): Budapest, V, Honvéd u. 19; f. 1958; 160,000 books and periodicals; Dir. Dr. ESTHER WALDAPFEL; publs. *Neveléstudományi Tájékoztató* (Educational Research Bulletin), *Iskolai Könyvtárosok Tájékoztatója* (Bulletin for School Librarians), *Magyar Pedagógiai Irodalom* (Bibliography of Hungarian Educational Literature).

Országos Széchényi Könyvtár (*The National Széchényi Library*): Budapest, VIII, Muzeum-körut 14-16; f. 1802; 1,824,909 books and periodicals, 2,820,040 manuscripts, maps, prints, microfilms, etc.; Dir.-Gen. Dr. MAGDA JÓBORÚ; publs. include *Magyar Nemzeti Bibliográfia* (Hungarian National Bibliography), *Magyar Folyóiratok Repertóriuma* (Bibliography of Hungarian Periodicals), *Az Országos Széchényi Könyvtár Kiadványai* (Publications of the National Széchényi Library, main series), *Az Országos Széchényi Könyvtár Évkönyve* (Yearbook) *Uj Bibliográfiai füzetek* (Bibliographical series); *Külföldi Könyvek Országos Gyarapodási Jegyzéke* (monthly list of current foreign acquisitions); the following libraries are administered by the Országos Széchényi Könyvtár:

- **Könyvtártudományi és Módszertani Központ** (*Centre for Library Science and Methodology*): Budapest, VIII, Muzeum u. 3; f. 1959; 25,386 vols.; Dir. REZSŐ BARABÁSI; publs. *Könyvtári Figyelő* (Library Bulletin), *Könyvtári és Dokumentációs Szakirodalom* (Library Literature), *A Könyvtárépites Füzetei* (Library Building Series), *A Könyvtároskèpzés Füzetei* (Professional Educational Series), etc.

Bajza Jóseph Library: Gyöngyös; f. 15th century; 19,449 vols.

Helikon Scientific Library: Keszthely; f. 1745; 75,757 vols.

Reguly Antal Scientific Library: Zirc, Rákóczi-tér 1; f. 1720; 64,942 vols.

Pannonhalmi Szent-Benedek-Rend Kozponti Fókönyvtára (*Benedictine Abbey Library*): Pannonhalma, Györ vm.; f. 1802; collection of early records, MSS., codices, source material for the Magyar language; 280,000 vols.; Dir. Dr. DAVID SÖVEGES.

Pécsi Tudományegyetem Könyvtára (*Library of the University of Pécs*): Pécs, Leonardo da Vinci-utca 3; f. 1774; 300,000 vols.; Dir. MIKLÓS FÉNYES.

Szegedi Orvostudományi Egyetem Könyvtára (*Library of the Medical University of Szeged*): Szeged, Lenin körut 109; f. 1926; 80,852 vols.; Librarian ANDOR ZALLÁR.

Szépmüvészeti Múzeum Könyvtára (*Library of the Hungarian Museum of Fine Arts*): Budapest, XIV, Dózsa György-ut 41; 50,000 vols.: Librarian MÁRIA AGGHÁZY.

Tiszáninneni Református Egyházkerület Nagykönyvtára (*Library of the Reformed Church*): Sárospatak, Rákóczy u. 1.; f. 1531; 181,520 vols.; Dir. KÁLMÁN UJSZÁSZY; Librarian IMRE CZEGLE.

Tiszántuli Református Egyházkerület Nagykönyvtára (*Library of the Calvinist College*): Debrecen, Kálvin-tér 16; 485,000 vols.; Dir. Prof. Dr. LÁSZLÓ MÓDIS.

Török Filológiai és Magyar Östörténeti Intézet Könyvtára (*Library of the Institute of Turkish Studies and Hungarian Ancient History*): Budapest, V, Pesti Barnabás utca 1; 8,000 vols.; Dir. GYULA NÉMETH.

Városi Somogyi Könyvtár (*Somogyi Library*): Szeged; f. 1881; 300,000 vols.; Dir. BEZERÉDY ISTVÁN.

MUSEUMS

BUDAPEST

Bélyegmuzeum: Budapest, VII, Dob-utca 75-79; f. 1930; collections of Hungarian and foreign stamps; Curator IMRE HAMZA.

Budapesti Történeti Muzeum (*Historical Museum of Budapest*): Budapest, I, Szentháromság utca 2; f. 1886; 83 mems.; Dir.-Gen. SÁNDOR TARJÁNYI; Sec.-Gen. ANTAL FAZEKAS; Dirs. MIKLÓS GÁBORI, VILMOS BERTALAN, LAJOS KUMOROVITZ; publs. *Budapest Régiségei* (Antiquities of Budapest; yearbook), *Tanulmányok Budapest Multjából* (Studies of the History of Budapest; year book); administers:

- **Aquincumi Muzeum:** Budapest, III, Szentendrei ut 193; relics of Roman camp, stone, mosaic, glass and jewellery; on the site of an old Roman colony.
- **Kiscelli Muzeum:** modern history of Budapest.
- **Vármuzeum** (*Castle Muzeum*): Budapest I, Szentháromság utca 2; exhibits illustrating the medieval and Turkish history of Buda fortress and Budapest.

Földalatti Muzeum: Budapest, V, Március 15 and Egyetem ut 16 (Curator); remains of Diocletian's Roman fortress.

Hadtörténelmi Muzeum (*War History Museum*): Budapest, I, Tóth Árpád sétány 40; collection of arms and documents of Hungarian military history.

Közlekedési Muzeum (*Communications Museum*): Budapest, Városliget; replicas and models of railway locomotives and rolling stock, old vehicles, nautical and aeronautic collections, etc.

Legujabbkori Történeti Muzeum (*Museum of Contemporary History*): Budapest, V, József nádor tér 7; modern history of the Hungarian people from 1849 to the present day; important collection of photographs; Dir. EDE GERELYES.

Magyar Mezőgazdasági Muzeum (*Hungarian Agricultural Museum*): Budapest, XIV, Városliget, Vajdahunyad Vára; f. 1896; Dir.-Gen. JÁNOS MATOLCSI.

Magyar Nemzeti Galéria (*Hungarian National Gallery*): Budapest, V, Kossuth Lajos tér 12; Dir.-Gen. Dr. E. G. POGÁNY.

Magyar Nemzeti Muzeum—Iparmüvészeti Muzeum (*Hungarian National Museum of Applied Arts*): Budapest, IX, Üllői-ut. 33; f. 1872; library; Dir.-in-Chief PIROSKA WEINER; publs. catalogues, Annals of the Museum of Applied Art, *Az Iparmüvészeti Muzeum Évkönyvei*. There are two component museums:

- **Hopp Ferenc Keletázsiai Müvészeti Muzeum** (*Hopp Museum of Eastern Asiatic Arts*): Budapest, VI, Népköztársaság-utja 103; f. 1919; library; Dir. T. HORVATH.
- **Keletázsiai Muzeum Kina Muzeuma** (*Chinese Museum*): Budapest, VI, Gorkij-fasor 12; f. 1955; Dir. T. HORVATH.

Magyar Nemzeti Muzeum—Természettudományi Muzeum (*Hungarian National Museum of Natural History*): Budapest, VIII, Baross-utca 13; f. 1820; Depts.: Mineralogy and Petrography, Geology and Palæontology, Botany, Zoology, Anthropology; library (see above); Chief Dir. Dr. V. SZÉKESSY; publs. *Annales Historico-Naturales Musei Nationalis Hungarici, Folia Entomologica Hungarica, Anthropologica Hungarica, Vertebrata Hungarica, Fragmenta Botanica.*

Magyar Nemzeti Muzeum (*Hungarian National Museum*): Budapest, VIII, Muzeum-körut 14-16; f. 1802; Dir.-Gen. Dr. FERENC FÜLEP; Depts.: Historical, Archæological, Numismatic; library of 60,000 vols.; publs. *Régészeti Füzetek* (Archaeological Dissertations), *Folia Archaeologica.*

Mücsarnok (*Art Gallery*): Budapest, XIV, Dózsa György-ut 37; temporary exhibitions of Hungarian and foreign art.

Nagytétényi Kastélymuzeum (*Nagytétény Castle Museum*): Budapest, XXII, Csókási Pál-utca 9; Dept. of Budapest Museum of Applied Arts; furniture of the 18th century; Curator ESZTER GESZTI.

Néprajzi Museum (*Ethnographical Museum*): Budapest, VIII, Könyves Kálmán-körút 40; f. 1872; Dir. Dr. TIBOR BODROGI.

Országos Szinháztörténeti Muzeum (*National Historical Museum of the Theatre*): Budapest, I, Krisztina-krt. 57; Dir.-in-Chief FERENC HONT; library of 40,000 vols.; publs. *Szinháztörténeti Könyvtár, Szinháztörténeti Füzetek, Théâtre en Hongrie.*

Petőfi Irodalmi Muzeum: (*Petőfi Museum of Hungarian Literature*): Budapest, V, Károlyi utca 16; f. 1954; Dir.-in-Chief HORVÁTH MÁRTON; library of 10,000 vols.

Postamuzeum (*Postal Museum*): Budapest, XII, Krisztina-körut 6-8; research and documentation institute and permanent exhibition of the history of post and telecommunications; Curator Dr. ENDRE VAJDA.

Szépmüvészeti Muzeum (*Museum of Fine Arts*): Budapest, XIV, Dózsa György ut 41; f. 1896; Dir. Dr. KLÁRA GARAS; collections and galleries include: Egyptian and Greco-Roman antiquities, Hungarian and foreign old masters, sculptures, drawings and engravings; library; publs. *Orsz. Magyar Szépmüvészeti Muzeum Évkönyve* (Annals of the Museum of Fine Arts), *Szépmüvészeti Muzeum Közleményei* (Bulletin of the Hungarian Museum of Fine Arts), catalogues.

Táborvárosi Muzeum (*Roman Museum*): Budapest, III, Korvin Ottó-utca 63; on the site of a Roman military camp.

PROVINCIAL MUSEUMS

Provincial museums in Hungary are organised on a regional basis but the following list is arranged alphabetically by titles.

Arany János Muzeum: Nagykörös; f. 1928; Curator Dr. BÉLA BALANYI.

Bakonyi Muzeum: Veszprém; f. 1902; natural history, ethnographic, archaeological and historical exhibits from the Bakony Mountains; Curator ISTVÁN ÉRI.

Balatoni Muzeum: Keszthely; f. 1898; prehistoric and historic collections relating to Lake Balaton; Curator KÁROLY SÁGI.

Balogh Adám Muzeum: Szekszárd; f. 1895; collections of folk art and archæology; Curator GYULA MÉSZÁROS.

Damjanich Muzeum: Szolnok; f. 1938; archæology, palæontology, applied art and local history collections; Curator GYULA KAPOSVÁRI.

Déri Muzeum: Debrecen; f. 1902; Dir. Dr. ANDRÁS BÉRES.

Erkel Ferenc Muzeum: Gyula, Béke sugárút 53; f. 1868; archæological and ethnographic collections; Dir. MIKLÓS SZILÁGYI.

Ferenczy Károly Muzeum: Szentendre; f. 1951; archæological, ethnographic and local history collections; Dir. SÁNDOR SOPRONI.

Göcseji Muzeum: Zalaegerszeg; f. 1947; collections of regional folk art and ethnography; Curator IMRE SZENTMIHÁLYI.

Hajdúsági Múzeum: Hajdúböszörmény; f. 1924; Sections: Archæology, Ethnography, History and Fine Arts; Curator PÉTER H. FEKETE.

Hansági Muzeum: Mosonmagyaróvár; f. 1883; library 4,447 vols.; Curator REZSŐ PUSZTAI.

Helytörténeti Muzeum: Pápa; f. 1960; ethnographical, archæological and industrial collections from the town and environment; Dir. SÁNDOR MITHAY.

Herman Ottó Muzeum: Miskolc, Papszer 1; f. 1898; collections of archæology, regional ethnography, fine arts and applied arts; library 24,000 vols.; Curator JÓZSEF KOMÁROMY.

István Király Muzeum: Székesfehérvár; f. 1873; prehistoric Roman and mediaeval collections, flora and fauna of Lake Velence, regional ethnography, art gallery; library 30,000 vols.; Acting Dir. JENŐ FITZ.

Janus Pannonius Muzeum: Pécs; f. 1904; natural science and archæological collections, folk art exhibits; Dir. Dr. phil. IMRE DANKÓ.

Jász Muzeum: Jászberény; f. 1874; collections from the Stone, Bronze and Iron Ages; library, 2,600 vols.; Curator Dr. SÁNDOR ERDÉSZ.

Jókai Emlékmuzeum (*Jókai Memorial Museum*): Balatonfüred; f. 1954; exhibition and library from the bequest of the Hungarian novelist, Mór Jókai.

Jósa András Muzeum: Nyíregyháza; f 1868; collections of archæology, ethnography and local history; Acting Dir. Dr. DEZSŐ CSALLÁNY.

Jurisich Miklós Muzeum: Koszeg; f. 1928; Curator ISTVÁN SZŐVÉNYI.

Kalocsa Muzeum: Kalocsa; f. 1949; Curator ERNÓ LASZCZIK.

Kanizsai Dorottya Muzeum: Mohács; f. 1923; ethnographical and folk art collections; Curator JÁNOS ETE.

Katona József Muzeum: Kecskemét; f. 1898; archæological and ethnographical collections; Dir. ATTILA HORVÁTH.

Kisfaludy Emlékmuzeum: Sümeg; f. 1913; documents relating to Sándor and Károly Kisfaludy, eminent in 19th-century Hungarian literature; Curator JÓZSEF A. KOVÁCS.

Kiskun Muzeum: Kiskunfélegyháza; f. 1902; Curator GÁBOR LŰKŐ.

Kossuth Lajos Muzeum: Cegléd; f. 1917; relics of Lajos Kossuth; ethnography, archæology, arts; Dir. Dr. phil. FERDINAND IKVAI.

Koszta József Muzeum: Szentes; f. 1897; archæological and ethnographical collection and paintings by Koszta; Acting Dir. JÓZSEF CSALOG.

Kuny Domokos Muzeum: Tata; f. 1938; archæological and applied art collections; Curator Dr. AKOS KISS.

Liszt Ferenc Muzeum: Sopron; f. 1867; relics of Liszt, folk art and local Baroque art collections; Dir. OTTO DOMONKOS.

Móra Ferenc Muzeum: Szeged; f. 1883; archæological, ethnographic and biological collections, history of arts and regional history collections; Curator ALAJOS BÁLINT; publ. *Móra Ferenc Múzeum Evkönyve.*

Munkácsy Mihály Muzeum: Békéscsaba; f. 1899; archæological and regional ethnographic collections, modern Hungarian paintings; Curator GYÖRGY TÁBORI.

Nádasdi Muzeum: Sárvár; f. 1951; Curator ENDRE CZATKAI.

Palóc Muzeum: Balassagyarmat; f. 1891; Roman relics, local folk art and shepherds' art; collections of Nógrád costumes, childrens toys and folk instruments; archaeological and natural history collections; second largest macrolepidopterological collection in Hungary; library, 3,500 vols.; Dir. JÓZSEF ZÓLYOMI.

Rákóczi Muzeum: Sárospatak; f. 1950; housed in the Castle of Sárospatak; historical, ethnographic and applied art collections; Curator IVÁN BALASSA.

Rippl-Rónai Muzeum: Kaposvár; f. 1909; archæological and ethnographic collections, paintings by Rippl-Rónai; Curator GYULA TAKÁTS.

Savaria Muzeum: Szombathely, Kisfaludy Sándor-utca 9, szám; f. 1872; Curator TIHAMÉR SZENTLÉLEKY.

Szántho Kovács János Muzeum: Orosháza; f. 1947; Acting Chief GYULA NAGY.

Thorma János Muzeum: Kiskunhalas; f. 1950; collection of laces; Curator ÁKOS JANÓ.

Tornyai János Muzeum: Hódmezővásárhely; f. 1905; archæological and ethnographic, folk-art and mineral collections, Tornyai paintings; Curator J. DÖMÖTÖR.

Turi György Muzeum: Nagykanizsa; f. 1924; archæological collections, local history displays, numismatics; Curator Mrs. B. HULESCH.

Türr István Muzeum: Baja; f. 1936; archæological and ethnographic collections, modern Hungarian painters; Curator Dr. EDE SOLYMOS.

Vák Bottyán Muzeum: Vác; f. 1896; local history exhibits; Dir. Mrs. P. CIFFKA.

Vörösmarty Emlékmuzeum: Kápolnásnyék; f. 1950.

Xántus János Muzeum: Györ; f. 1859; archæological collection containing relics of the ancient town of Arrabona (now Györ); art, anthropology, natural science, Roman lapidarium; picture gallery; library of 12,500 vols.; Curator ANDRÁS UZSOKI.

Zrinyi Miklós Muzeum: Szigetvár; f. 1917; local history collection, relating particularly to the period of Turkish occupation (16th-17th centuries); Curator VALÉRIA KOVÁTS.

UNIVERSITIES

EÖTVÖS LORÁND TUDOMÁNYEGYETEM
(Eötvös Lóránd University)

BUDAPEST, V, EGYETEM-TÉR 1

Telephone: 180-820.

Founded 1635.

Rector: ISTVÁN SŐTÉR.

Pro-Rectors: KÁLMÁN SZTRÓKAY, SÁNDOR BALOGH.

Number of teaching staff: 794.

Number of students: 9,128.

Publications: *Annales, Egyetemi Ertesitö, Acta Facultatis Politico-Iuridicae, Dissertationes Archaeologicae, Opuscula Zoologica.*

DEANS:

Faculty of Political Science and Jurisprudence: T. KIRÁLY.

Faculty of Science: K. NAGY.

Faculty of Arts: I. SINKOVICS.

PROFESSORS:

Faculty of Political Science and Jurisprudence (Budapest, V. Egyetem-tér 1-3):
BARNA, P., Penal Law
BEÉR, J., Hungarian Constitutional Law
BERÉNYI, S., Hungarian Administrative Law
HAJDU, G., International Law
HORVÁTH, P., Legal History
KÁDÁR, M., General Penal Law
KOVÁCS, K., Legal History of Hungary
KOVACSICS, J., Statistics
MÓRA, M., Roman Law
NÉVAI, L., Civil Law
SAMU, M., General Theory of State and Law
SERES, I., Agricultural Law
SIPOS, A., Political Economy
VILÁGHY, M., Civil Law
WELTNER, A., Labour Law

Faculty of Science (Budapest, VIII. Múzeum-Körut 6-8):
ANTAL, Z., Economic Geography
BÁNHEGYI, J., Microbiology
BOGSCH, L., Palæontology
BRUCKNER, G., Organic Chemistry
CSÁSZÁR, A., Mathematical Analysis
DÉSI, F., Meteorology
DETRE, L., Astrology
DUDICH, E., Zootaxy
EGYED, L., Geophysics
FALUDI, B., Genetics
FRENYÓ, V., Plant Biology
GERECS, A., Chemical Technology
HAJÓS, G., Higher Geometry
IRMÉDY-MOLNÁR, L., Topography
JÁNOSSY, L., Nuclear Physics
KÁRTESZI, F., Descriptive Geometry
KISS, L., Physical Chemistry
KOCH, F., Regional Geography
KÓSA, A., Applied Mathematical Analysis
LÁNG, S., Geography
LENGYEL, B., General and Inorganic Chemistry
MÖDLINGER, G., Zootomy
NAGY, E., Experimental Physics
NOVOBÁTZKY, K., Theoretical Physics
RÉNYI, A., Mathematics
SÁRKÁNY, S., Botany
SOÓ, R., Botanical Taxonomy and Botanical Geography
SZABÓ, Z., Inorganic and Analytical Chemistry
SZÁDECZKY-KARDOSS, E., Geochemistry and Petrology
SZTRÓKAY, K., Mineralogy
TURÁN, P., Algebra and Theory of Numbers
VITÁLIS, S., Applied Geology
WOLFRAM, E., Colloid Chemistry and Colloid Technology

Faculty of Arts (Budapest, V, Pesti-Barnabas-u 1):
ANDICS, E., Modern History
BALECZKY, E., Russian Philology
BANNER, J., Archæology
BÁRCZI, G., Hungarian Language
BENKÖ, L., Hungarian Philology
CSONGOR, B., Chinese and Far Eastern Languages
CZEGLÉDYI, K., Arabic Literature
DOBROVITS, A., Ancient History
ELEKES, L., Medieval Hungarian History
HADROVICS, L., Slavonic Philology
HAHN, I., Ancient History
HARMATTA, J., Indo-European Linguistics
KARDOS, LAJOS, Psychology
KARDOS, LÁSZLO, Literature
KARDOS, T., Italian Language and Literature
KIRÁLY, I., History of Hungarian Literature
KÖPECZY, B., French Language and Literature
KOVÁCS, M., Librarianship
LAKÓ, G., Finno-Ugrian Linguistics
LÁSZLO, G., Archæology
LEDERER, EMMA, Auxiliary Science
LIGETI, L., Central Asian Languages
MOLNÁR, E., Historical Materialism
MORAVCSIK, G., Greek Philology
MÓD, A., Modern Hungarian History and Principles of Scientific Socialism
NAGY, S., Education
NÉMETH, G., Turkish Philology
OROSZLÁN, Z., Archæology
ORTUTAY, G., Folklore
PERÉNYI, J., History of Southern European Countries
SÁNDOR, P., Dialectic Materialism
SŐTÉR, I., History of Hungarian Literature
SZÉKELY, G., Medieval History
SZENCZI, M., English Language and Literature
SZIGETI, J., Aesthetics
TÁLASI, I., Ethnography
TAMÁS, L., Romance Philology
TELEGDI, Z., Linguistics
TOLNAI, G., History of Hungarian Literature
TRENCSÉNYI-WALDAPFEL, I., Latin Philology
VAYER, L., History of Art
VILMOS, J., Political Economy
WALDAPFEL, J., History of Hungarian Literature
ZSIGMOND, L., Modern History

BUDAPESTI ORVOSTUDOMANYI EGYETEM
(Medical University of Budapest)

BUDAPEST VIII, ÜLLOI UT 26

Telephone: 134-610.

Founded 1769 as Medical Faculty of Eötvös Lóránd University; independent 1951.

Rector: Prof. Dr. J. SÓS.

Vice-Rectors: Prof. Dr. MAGDA RADNÓT, Prof. Dr. J. KNOLL, Dr. E. BOGINA.

Registrar: MÁRTA RAJHÁTHY.

Librarian: Dr. E. RÉTI.

Number of teaching staff: 981.

Number of students: 3,886.

DEANS:

Faculty of Medicine: Prof. Dr. I. ZOLTÁN.

Faculty of Odontology: Prof. Dr. I. VARGA.

Faculty of Pharmacology: Prof. Dr. A. VÉGH.

PROFESSORS:

Faculty of Medicine:
ALFÖLDY, Z., Microbiology
BABICS, A., Urology
BÁLINT, P., Physiology
BALÓ, J., Pathological Anatomy
FÖLDVARI, F., Dermatology
GERLÓCZY, F., Pædiatrics
GERÖ, S., Internal Medicine
GLAUBER, A., Orthopædics
GÖMÖRI, P., Internal Medicine
GOTTSEGEN, G., Internal Medicine
HARANGHY, L., Pathological Anatomy
HORÁNYI, B., Neurology
HORAY, G., Ophthalmology
HORN, B., Obstetrics and Gynæcology
KISS, P. G., Pædiatrics
KNOLL, J., Pharmacology
KUDÁSZ, J., Surgery
MESTER, E., Surgery
MISKOVITS, G., Pneumology
NAGY, D., Surgical Anatomy and Surgery
NÓNAY, T., Ophthalmology
NYIRÖ, G., Psychiatry
ÖKRÖS, S., Forensic Medicine
PETÉNYI, G., Pædiatrics
RADNÓT, MAGDA, Ophthalmology
RUBÁNYI, P., Surgery
SIMONOVITS, I., Social Medicine
SÓS, J., General Pathology
STEFANICS, J., Surgery
STRAUB, B., Medical Chemistry
SZÉKESSY, V., Biochemistry
SZENTÁGOTHAY, J., Anatomy
TARJÁN, I., Medical Physics
TORÖ, I., Histology and Embryology
VARGA, G., Oto-Rhino-Laryngology
VEDRES, I., Public Health
ZOLTÁN, I., Obstetrics and Gynæcology
ZSEBÖK, Z., Radiology

Faculty of Odontology:
BALOGH, K., Oral Surgery
BOROS, S., Preservation Dentistry
MOLNAR, L., Dental Prosthetics
VARGA, I., Dentistry for Children and Orthodontics

Faculty of Pharmacology:
CLAUDER, O., Pharmaceutical Organic Chemistry
FRITZ, G., Pharamcology
HALMAI, J., Pharmacognosy
PANDULA, E., Pharmaceutics
VÉGH, A., Pharmaceutical Chemistry

MARX KÁROLY KÖZGAZDASÁGTUDOMÁNYI EGYETEM
(Karl Marx University of Economic Science)

BUDAPEST, IX, DIMITROV-TÉR 8

Telephone: 186-850.

Founded 1948.

Rector: Dr. Z. P. PACH.

Vice-Rector: I. BIKICS.

Scientific Vice-Rector: Dr. S. VARGA.

Number of professors: 12.

Number of students: 2,276 (711 women).

DEANS:

Faculty of Industrial Economics: E. MEGYERI.
Faculty of Trade Economics: F. VÁGI.
Faculty of General Economics and Finance: G. KOVÁCS.

PROFESSORS:

BEREI, A., Political Economy
BEREND, T. I., Economic History
BOGNÁR, J., Trade Economics
LÁSZLÓ, I., Planning of National Economy
NAGY, T., Political Economy
PACH, Z. P., Economic History
RADO, S., Geography
RECZEY, L., Law and International Law
SZABÓ, K., Political Economy
SZÉP, J., Mathematics and Economic Mathematics
VAJDA, I., Foreign Trade
WILCSEK, J., Industrial Economics

KOSSUTH LAJOS TUDOMÁNYEGYETEM
(Lajos Kossuth University)

DEBRECEN 10

Telephone: 20-61.

Founded 1912.

Rector: Dr. P. SZARVAS.

Number of teaching staff: 246, of which 56 professors.

Number of students: 1,945.

DEANS:

Faculty of Arts: Dr. J. HERMAN.
Faculty of Science: Dr. A. RAPCSÁK.

PROFESSORS:

Faculty of Arts:
BÁN, I., Hungarian Literature
BARTA, J., Hungarian Literature
BORZSÁK, I., Classical Philology
GUNDA, B., Ethnography
HERMAN, J., Romance Philology
IGLÓI, R., Russian Philology
JAUSZ, B., Education
KÁLMÁN, B., Finno-Ugrian Philology
KÓNYA, I., Marxism and Leninism
NÉMEDI, L., German Philology
ORSZÁGH, L., English Philology
PAPP, I., Hungarian Philology
SULÁN, B., Slavonic Philology
SZABOLCSI, M., Hungarian Literature
SZENDREY, I., History of Hungary
TOKODY, G., History

Faculty of Science:
BERÉNYI, D., Meteorology
BOGNÁR, R., Organic Chemistry
ENYEDI, G., Economic Geography
FÖLDVÁRI, A., Geology
GÁSPÁR, R., Theoretical Physics
GYIRES, B., Probability
HARASZTY, A., Botany
IMRE, L., Physical Chemistry
KÁDÁR, L., Physical Geography
KERTÉSZ, A., Algebra
LUTTER, B., Applied Chemistry
ORBÁN, G., Applied Physics
RAPCSÁK, A., Higher Geometry
SZALAY-SANDOR, EVA, Experimental Physics
SZARVAS, P., Inorganic Chemistry
WOYNAROVICH, E., Zoology

DEBRECENI ORVOSTUDOMÁNYI EGYETEM
(Debrecen University of Medicine)

DEBRECEN

Founded 1912 as the Faculty of Medicine of Lajos Kossuth University; independent 1949.

Rector: Dr. P. JUHÁSZ.

Number of students: 600 men, 421 women, total 1,021.

PROFESSORS:

ADLER, P., Dentistry
ARVAY, S., Obstetrics and Gynæcology
BOT, G., Medical Chemistry
ENDES, P., Pathological Anatomy
FORNET, B., Internal Medicine
FÜLÖP, T., Sanitary Organising Institute
JAKABFI, I., Oto-Rhino-Laryngology
JENEY, E., Preventive Medicine and Hygiene
JUHÁSZ, P., Neurology and Psychiatry
KESZTYÜS, L., Bacteriology
KETTESSY, A., Ophthalmology
KROMPECHER, I., Anatomy
KULIN, L., Pædiatrics
LADÁNYI, J., Surgery
NAGY, J., Medical Jurisprudence
PAP, K., Orthopædics
PETRÁNYI, G., Internal Medicine
SZABÓ, G., Biological Institute
SZELECKY, G., Surgery
SZODORAY, L., Dermatology and Venereal Diseases
TANKO, B., Biochemistry
TÓTH, L., Medical Physics
VÁCZI, L., Microbiological Institute
VÁLYI NAGY, T., Pharmacology

PÉCSI TUDOMÁNYEGYETEM
(University of Pécs)

PÉCS, 48-AS TÉR I

Telephone: 28-34, 28-35, 25-05.

First founded in 1367, newly founded in 1922.

Rector: (Vacant).
Registrar: J. KRAUTH.
Librarian: M. FÉNYES.

Number of teaching staff: 40.

Number of students: 1,012.

Publication: *Studia Juridica Auctoritate Universitatis Pécs Publicata.*

DEAN:

Faculty of Law and Political Science: A. CSIZMADIA.

PROFESSORS:

Faculty of Law and Political Science:
BENEDEK, F., Roman Law
BIHARI, O., Public Law
CSIZMADIA, A., History of Law
FÖLDES, I., Agricultural Law
FÖLDVARI, J., Criminology
HARASZTI, G., International Law
HOÓZ, I., Statistics
JÓRI, J., Philosophy
KOCSIS, M., Civil and Criminal Procedure
KULCSÁR, M., Sociology
LOSONCZY, I., Criminal Law
PAP, T., Civil Law
RUDOLF, L., Civil Law
SZAMEL, L., Administrative Law
SZOTÁCZKI, M., Theory of Law and State
VARGHA, L., Criminalistics
ZINHOBER, F., Political Economy

PÉCSI ORVOSTUDOMÁNYI EGYETEM
(Medical University of Pécs)

PÉCS RÁKÓCZI-UT, 80

Telephone: 11-26.

Founded 1912 as the Faculty of Medicine of the University of Pécs; independent 1951.

Rector: Prof. Dr. S. DONHOFFER.
Vice-Rectors: Prof. Dr. K. RAUSS, Prof. Dr. B. BOROS, Dr. D. SZABÓ.
Registrar: Dr. J. HAJNAL.
Librarian: Mrs. LAJOS RÚSZÁS, Dr. Phil.

Number of teachers: 351.

Number of students: 588 men, 512 women, total 1,100.

PROFESSORS:

ALFÖLDY, J., Oto-Rhino-Laryngology
BALOGH, F., Urology
BARTA, I., Pharmacology
BENKÖ, G., Radiology
BOROS, B., Ophthalmology
BUDVÁRI, R., Forensic Medicine
CHOLNOKY, L., Chemistry
CSER, L., Foreign Languages Department
DONHOFFER, S., Pathophysiology
ERNST, J., Physics
FLERKÓ, B., Anatomy and Histology
GRÓF, P., Dermatology
HÁMORI, A., Internal Medicine
KARLINGER, GY. T., Surgery
KERPEL-FRONIUS, O., Pædiatrics
KISS, I., Marxism and Leninism
KÖRNYEY, I., Mental Diseases
LOJOS, L., Obstetrics and Gynæcology
LISSÁK, K., Physiology
MÉHES, G., Pharmacology and General Therapeutics
PÁTER, J., Public Health
PÓKA, L., Surgery
RAUSS, K., Public Health
ROMHÁNYI, G., Pathological Anatomy
SCHRANZ, D., Stomatology

JOZSEF ATTILA TUDOMÁNYEGYETEM SZEGED
(University of Szeged)

SZEGED, DUGONICS TÉR 13

Telephone: 35-80.

Founded 1872.

Rector: Prof. Dr. Z. SZABÓ.
Pro-Rectors: Prof. Dr. G. FODOR, Dr. F. HERCZEG, Prof. Dr. T. WITTMAN.
Chief Administrative Officer: L. GRUBER.
Librarian: Z. HAVASI.

Number of teachers: 320, including 49 professors.

Number of students: 2,660 men, 977 women, total 3,964.

Publication: *Acta Szegediensis.*

DEANS:

Faculty of Law: Dr. B. KEMENES.
Faculty of Philosophy: Dr. J. SZAUDER.
Faculty of Natural Science: Dr. B. SZOKEFALVI-NAGY.

PROFESSORS:

Faculty of Law:
ANTALFFY, G., Jurisprudence and Political Science
BÓLYA, L., Procedural Law
BUZA, L., International Law
FONYÓ, A., Criminal Law
HORVÁTH, R., Statistics
KEMENES, B., Private Law
KOVÁCS, I., Constitutional Law
MADAY, P., History of Law
MARTONYI, J., Administrative Law
NAGY, LAJOS, Political Economy
NAGY, LÁSZLÓ, Agricultural and Labour Law
PÓLAY, E., Private Law and Roman Law

Faculty of Philosophy:
ÁGOSTON, G., Education and Psychology
BÁLINT, S., Ethnography
GAZDAPUSZTAI, G., Archæology
HAJDU, P., Finno-Ugric Philology
HALÁSZ, E., German Philology
JUHÁSZ, J., Slavonic Studies
KALOCSAI, D., Philosophy
KOLTAY-KASTNER, J., Roman Philology
KOROM, M., Scientific Socialism
MÉREI, G., Hungarian History
NYIRI, A., Hungarian Philology
SZÁDECZKY-KARDOSS, S., Classical Philology
SZAUDER, J., Hungarian Literature
SZÉKELY, L., Modern History
TAMÁS, A., Hungarian Literature
WITTMAN, T., Medieval History

Faculty of Science:
ABRAHÁM, A., General Zoology and Biology
BUDÓ, Á., Experimental Physics
GAL, D., Nuclear Chemistry
GREGUSS, P., Botany
HORWÁTH, J., Theoretical Physics
JAKUCS, L., Geology and Geography
KALMÁR, L., Mathematics
KOCH, S., Mineralogy
KOLOZSVÁRY, G., Zoological Classification
KOVÁCS, K., Organic Chemistry
KRAJKÓ, G. Economic Geography
LIPTÁK, P., Anthropology
MÁRTA, F., Physical Chemistry
RÉDEI, L., Algebra
SIPOS, G., Applied Chemistry
SZABÓ, Z., Inorganic Chemistry
SZALAI, I., Plant Physiology
SZÁNTÓ, F., Colloidal Chemistry
SZŐKEFALVY-NAGY, B., Mathematics
TANDORI, K., Mathematics
WAGNER, R., Climatology

SZEGEDI ORVOSTUDOMÁNYI EGYETEM
(Medical University of Szeged)

SZEGED, DUGONICS-TÉR 13

Founded 1921 as the Faculty of Medicine of the University of Szeged; independent 1951.

Rector: Prof. Dr. K. TÓTH.
Vice-Rector: Prof. Dr. G. KEDVESSY.
Librarian: A. ZALLÁR.

Number of teaching staff: 359, including 26 full professors.

Number of students: 726 men, 727 women, total 1,453.

Publications: *Studia Medica Szegedinensia, Évkönyv.*

DEANS:

Faculty of Medicine: Prof. Dr. A. KRÁMLI.
Faculty of Pharmacy: Prof. Dr. I. NOVÁK.

PROFESSORS:

Faculty of Medicine:
BODA, D., Pediatrics
FAZEKAS, I. G., Forensic Medicine
FÖLDI, M., Internal Propædeutics
GELLÉRT, A., Anatomy and Histology
HATTYASY, D., Dentology
HUSZÁK, I., Neurology and Psychiatry
IVÁNOVICS, G., Microbiology
JANCSÓ, M., Pharmacology
JULESZ, M., Internal Medicine
KARÁDY, I., Pathophysiology
KISZELY, G., Biology
KRÁMLI, A., Medical Chemistry
KUKÁN, F., Ophthalmology
LÁNG, I., General Surgery and Neurosurgery
OBÁL, F., Physiology
ORMOS, J., Pathological Anatomy
PETRI, G., Clinical Surgery
SZABON, J., Oto-Laryngology
SZENES, T., Radiology
SZONTÁGH, F., Obstetrics and Gynæcology
TÓTH, K., Oral Surgery and Dental Prosthetics
VILMON, G., Organisation of Public Health
(Vacant—Biochemistry, Dermatology and Venereal Diseases, Public Health)

Faculty of Pharmacy:
DIRNER, Z., Pharmacodynamics
KEDVESSY, G., Pharmaceutics
NOVÁK, I., Medical Botany and Pharmacognosy
VINKLER, E., Pharmaceutical Chemistry

TECHNICAL UNIVERSITIES

BUDAPESTI MŰSSAKI EGYETEM
(Technical University of Budapest)

BUDAPEST XI,
MŰEGYETEM-RKP. 3
Telephone: 258-930.

Founded 1857 as Hungarian Palatine Joseph University of Technical Sciences.

Rector: Prof. Dr. C. FRIGYES.
Vice-Rectors: L. GILLEMOT, Prof. Dr. G. RETTER, Dr. J. DEVICS, Dr. O. PETRIK.
Registrar: I. NEMESKÉRI.
Librarian: Dr. Eng. K. HEBERGER.

Number of teachers: 950, including 69 professors.

Number of students: 11,588.

Publications: *Periodica Polytechnica, Chemical, Electrical and Mechanical Engineering Series* (quarterly), *A Budapesti Műszaki Egyetem Évkönyve.*

DEANS:

Faculty of Mechanical Engineering: Prof. Dr. J. VARGA.
Faculty of Chemical Engineering: Prof. Dr. J. HOLLÓ.
Faculty of Electrical Engineering: Prof. Dr. A. FRIGYES.

PROFESSORS:

Central Chairs:
DEVICS, J.
ELEK, T.,
HOLLÓS, E.
PULAI, F.
SZÉKELY, E.

Faculty of Mechanical Engineering:
BALOGH, B.
BÁRÁNY, N.
BORBÉLY, S.
BRODSZKY, D.
FÁTH, J.
GILLEMOT, L.
GONDAR, J.
GRESCHIK, G.
GRUBER, J.
HELLER, L.
IUREK, A.
KÉGL, J.
KOZMANN, G.
LETTNER, F.
LÉVAI, A.
LUKÁTS, M.
MACSKASSY, A.
MAGOS, G.
RÁCZ, E.
REUSS, E.
RUDNAI, G.
STROMMER, G.
SVÁB, J.
SZÁNTAY, B.
VARGA, J.
VÉKÁSSY, A.
VÖRÖS, I.
ZALKA, A.

Faculty of Electrical Engineering:
BARTA, I.
BEDE, I.
BENEDIKT, O.
BOSZNAY, Á.
CSÁKI, F.
EISLER, J.
FÁBER, G.
FENYŐ, I.
FRIGYES, A.
FÜVES, Ö.
GESZTI, P. O.
GOMBÁS, P.
ISTVÁNFFY, E.
KOLOS, R.
KÓNYA, A.
KOVÁCS, I.
KOZMA, L.
MAGYAR, J.
PROHÁSZKA, J.
RÁCZ, I.
RETTER, I.
SIMONYI, K.
VALKÓ, I.
VASVÁRI, F.

Faculty of Chemical Engineering:
ALEXITS, G.
CSŰRÖS, Z.
ERDEYI, L.
HARDY, G.
HOLLÓ, J.
KÖRMENDI, G.
LEMPERT, K.
NAGY, J.
TELEGDY KOVATS, L.
TETTAMANTI, K.
VAJTA, L.
VARSÁNYI, G.

EPITÖIPARI ÉS KÖZLEKEDÉSI MÜSZAKI EGYETEM
(Technical University of Building and Transport Engineering)

BUDAPEST XI,
MÜEGYETEM-RKP.3
Telephone: 258-840.
Founded 1952.

Rector: Prof. Dr. I. HAZAY.
Vice-Rectors: Prof. Dr. E. BOLCSKEI, Prof. Dr. L. GABOR, Prof. Dr. A. KEZDI, Dr. Z. LÉVAI, Prof. L. LUX.
Chief Administrative Officer: Dr. B. TRUTZ.

Central Library: shares with the Technical University of Budapest, *see under* Libraries.

Number of teachers: 425, including 47 professors.
Number of students: full-time 2,506, part-time 859, external 780.

Publications: *Épitöipara és Közlekedési Müszaki Egyetem Tudományos Közleményei* (Proceedings), *Jövö Mérnöke* (Engineer of the Future—publ. jointly with the Technical University of Budapest), *Telepuléstudomanyi Közlemények* (Proceedings of the Chair of Town Planning), *Évkönyv* (Yearbook).

DEANS:

Faculty of Architecture: Dr. J. BONTA.
Faculty of Transport: Prof. Dr. L. SILBERSDORFF.
Faculty of Civil Engineering: Prof. Dr. L. HOMORÓDI.

PROFESSORS:

Central Chairs:
BENKE, I., Political Economy
BODÓ, Z., Experimental Physics
MIKOLÁS, M., Mathematics
PATOLÁS, L., Building Materials
SIMEK, F., Physical Culture
SZEMERE, I., Philosophy
VARGA, O., Mathematics
ZIGÁNY, F., Descriptive Geometry

Faculty of Civil Engineering:
BOBÁRDI, J., Hydromechanics
BÖLCSKEI, E., Timber and Reinforced Concrete
BORSOS, J., Town Planning
CHOLNOKY, T., Mechanics
GERENDÁS, I., Building Construction
HAZAY, I., Surveying
HOMORÓDY, L., Advanced Geodesy and Geophysics
KERKÁPOLY, E., Railway Construction and Operation
KÉZDI, A., Soil Mechanics
LUX, L., Design and Structures
NEMESDY, E., Road Construction
PAPP, F., Geology
RÉDEY, I., Surveying
SABATHIEL, J., Hydraulic Engineering
SALAMIN, P., Hydraulic Engineering
SZALAY, G., Foreign Languages
SZÉCHY, K., Foundations
SZÉPE, F., Steel Structures

Faculty of Architecture:
FARAGÓ, K., Town Planning
GABOR, L., Building Construction
GÁDOROS, L., Drawing, Interiors
HORNYÁK, E., Engineering Services
KARDOS, A., Building Operations
MAJOR, M., History of Architecture
MARSÓI, L., Foreign Languages
PELIKÁN, J., Strength of Materials
POGÁNY, F., History of Architecture
RADOS, K., Industrial and Agricultural Design
REISCHL, A., House Design
SZÉLL, L., Building Construction
WEICHINGER, K., Design of Civic Biuldings

Faculty of Transport Operations:
BIACS, N., Electrotechnics
FODOR, E., Foreign Languages
HORVÁTH, K., Railway Traction
KÁDAS, K., Transport Economics
KESZLER, G., Technology
LÉVAI, Z., Motor Vehicles
SILBERSDORFF, L., Mechanics
TURÁNYI, I., Transport Operations

AGRÁRTUDOMÁNYI EGYETEM
(University of Agricultural Sciences)

GÖDÖLLÖ
Telephone: Gödöllö 1.
Founded 1945.

Rector: A. MAGYARI.
Pro-Rectors: I. VÁGSELLYEI, J. VÁRADI.
Registrar: Mrs. JÁNOS FLÓRIS.
Librarian: G. LÖRINCZ.

Number of teaching staff (including professors): 280.
Number of students: 2,644.

DEANS:

Faculty of Agricultural Sciences: D. PENYIGEY.
Faculty of Agricultural Engineers: L. LEHOCZKY.

PROFESSORS:

BACSÓ, N., Meteorology
BAINTNER, K., Animal Nutrition
BÁLINT, A., Plant Improvement
BASKAY TÓTH, B., Pastures
BEREND, J., Economics
CSELÖTEY, L., Horticulture
FÁBIÁN, G., Zoology
HORTOBÁGYI, T., Botany and Plant Physiology
HORVÁTH, J., Microbiology
KISS, A., Statistics
KOLBAY, K., Plant Breeding
LEHOCZKY, L., Agricultural Mechanics
MAGYARI, A., Animal Husbandry
PECZNIK, J., Chemistry
PENYIGEY, D., Plant Breeding
POGÁCSÁS, G., Agriculture
SIPOS, G., Agronomy
VÁGSELLYEI, I., Agricultural Management
VÁRADI ,J., Tractors and Automobiles

Central Chairs:
There are 15 Lecturers holding independent chairs

NEHÉZIPARI MÜSZAKI EGYETEM
(Technical University of Heavy Industry)

MISKOLC

Founded 1735 in Selmecbánya; est. in Sopron in 1919 and in Miskolc in 1949.

Rector: J. ZAMBÓ.

Number of teachers: 293.
Number of students: 2,561.

DEANS:

Faculty of Mechanical Engineering: G. PETRICH.
Faculty of Metallurgical Engineering: Z. HORVÁTH.
Faculty of Mining and Engineering: Z. GYULAY.

PROFESSORS:

Faculty of Mechanical Engineering:
BÁLINT, L.
FABRY, G.
GÁSPÁR, G.
KORDOSS, J.
PETRICH, G.
SÁLYI, I.
SUSÁNSZKY, J.
SZABÓ, J.
TERPLÁN, Z.
URAY, V.
VANKÓ, R.
ZORKÓCZY, B.

Faculty of Metallurgical Engineering:
BOGNÁR, J.
DIÓSZEGHY, D.
GELEJI, S.
HORVÁTH, Z.
SIMON, S.
SZELE, M.
VERÖ, J.

Faculty of Mining Engineering:
BENKÖ, F.
BOLDIZSAR, T.
CSÓKÁS, J.
FALK, R.
GYULAY, Z.
MILASOVSZKY, B.
POJJÁK, T.
TARJÁN, G.
VÖRÖS, I.
ZAMBÓ, J.

ERDSÉZETI ÉS FAIPARI EGYETEM
(University of Forestry and Timber Industry)

SOPRON,
BAJCSY-ZSILINSKY UT. 4
Telephone: Sopron 11-00.
Founded 1808.

Rector: Dr. J. GÁL.
Chief Administrative Officer: Dr. M. VÁRALLYAY.
Librarian: Dr. I. SZABÓ.

Number of teachers: 93.
Number of students: 736.

DEANS:

Faculty of Forestry: Dr. E. SOMKUTI.
Faculty of Timber Industry: D. SZABÓ.

PROFESSORS:

BEZZEGH, L., Forestry, Surveying and Mapping
GÁL, J., Afforestation
HARACSI, L., Forest Protection
KÁLDY, J., Forestry Mechanics
KISS, I., Mathematics
MAGYAR, J., Forestry Management
MAJER, A., Sylviculture
NEMKY, E., Botany
PÁNTOS, G., Soil Science
PANKOTAI, G., Forestry Transport
SOMKUTI, E., Forestry Economics
SZABÓ, D., Mechanics of Timber Industry
WINKLER, O., Forestry Architecture

VESZPRÉMI VEGYIPARI EGYETEM
(Technical University of Chemical Engineering)

VESZPRÉM, SCHÖNHERZ Z u. 12

Telephone: 125-50.

Founded 1949.

Rector: Dr. A. LÁSZLÓ.
Secretary-General: Dr. G. PACZOLAY.
Librarian: Mrs. GY. STRAUB.

Number of teachers: 145.
Number of students: 1,070, including 96 postgraduate.

Publications: *A Veszprémi Vegyipari Egyetem Közleményei* (includes abstracts in English, German, Russian).

PROFESSORS:

BÉNEDEK, P., Chemical Physics
BODOR, E., Inorganic Chemistry
DÉRI, MÁRTA, Silicate Chemistry
DÉVAI, J., Physical Chemistry
LÁSZLÓ, A., Chemical Engineering
MÜLLER, S., Organic Chemistry
NEMECZ, E., Mineralogy
POLINSZKY, K., Chemical Technology
PUNGOR, E., Analytical Chemistry
STRAUB, G., Radiochemistry
TALABÉR, J., Silicate Chemistry

COLLEGES

Evangelical-Lutheran Theological Academy: Budapest, VIII, Üllöi ut 24; f. 1964.

PROFESSORS:

GROÓ, G., Practical Theology
NAGY, G., Systematic Theology
OTTLYK, E., Church History
PÁLFY, M., Old Testament Exegesis and Theology
PRÖHLE, K., New Testament and Theology, *Dean*

Agrártudományi Föiskola (*Agricultural College*): Debrecen; f. 1866.

Rector: I. BENCSIK.

Number of teachers: 88.
Number of students: 750.

Agrártudományi Föiskola (*Agricultural College*): Keszthely; f. 1797.

Rector: Dr. S. BELÁK.

Number of teachers: 76.
Number of students: 799.

Agrártudományi Föiskola (*College of Agricultural Sciences*): Mosonmagyaróvár; f. 1818.

Number of teachers: 84.
Number of students: 743.

Allatorvostudományi Egyetem (*Veterinary University*): Budapest, VII, Landler Jenö u. 2; f. 1787.

Director: J. KOVÁCS.

Number of teachers, 103, including 18 professors.
Number of students: 603.

College of Agricultural Mechanical Engineers (*Mezögazdasági Gépészmérnöki kar, Agrártudományi Egyetem*): Budapest; f. 1951.

College of Horticulture and Viticulture: Budapest, XI, Ménesi-ut 44; f. 1853.

Rector: Prof. Dr. S. ANDRÁS.

Number of professors: 18.
Number of students: 1,250.

Institute of Experimental Physics: Szeged, Dóm-tér 9; f. 1872.

Director: Prof. Dr. A. BUDÓ.

Number of teachers: 27.
Publication: *Acta Physica et Chemica.*

Department of Theoretical Physics: Szeged; Dir. Dr. J. I. HORVÁTH.

Jewish Theological Seminary (*Országos Rabbitképzö Intézet*: Budapest, VIII, József-krt. 27; f. 1877.
Dir. Dr. A. SCHEIBER.

Pannonhalmi Szent Gellért Hittudományi és Tanárkepzö Föiskola (*Theological and Philosophical College of the Benedictine Order*): Pannonhalma.

Reformed Theological Academy (*Református Theologiai Akadémia*): Debrecen, Kálvin-tér 16; f. 1538, later Faculty of Theology in the Kossuth Lajos University; incorporated with the Református Kollégium in 1950.

Dean: L. A. SZABÓ.
Vice-Dean: A. CZEGLÉDY, TH.D.

Number of volumes in the library: 50,000.
Number of professors: 8.

SCHOOLS OF ART, DRAMA AND MUSIC

ART

Magyar Ipari Müvészeti Föiskola (*Hungarian High School of Arts and Crafts*): Budapest, XII, Zugligeti-ut. 11-25; f. 1870; Academy 1946; High School 1948; Dir. GY. HINCZ; 13 sections; 46 teachers; 230 students.

Magyar Képzömüvészeti Föiskola (*National Academy of Fine Arts*): Budapest, Népköztársaság utja 69-71; Dir. E. DOMANOVSKY; 28 teachers; 169 students.

Országos Magyar Iparmüvészeti Föisköla (*Hungarian State Academy of Applied Art*): Budapest, IX, Kinizsi utca 39; f. 1880.

DRAMA

Szinház- és Filmmüvészeti Föiskola (*Theatrical and Film High School*): Budapest, VIII, Vas-u. 2/c.; f. 1864; Dir.-in-Chief K. NADASDY; Dir. L. VADÁSZ; the High School comprises 4 courses.

MUSIC

Béla Bartók Conservatoire of Music (formerly National Conservatory): Budapest,V, Semmelweis-utca 12; f. 1840; Dir. A. FASANG; library of 51,000 vols.; 765 students; teaching staff: 76 professors and 32 external teachers.

Liszt Ferenc Zenemüvészeti Föiskola (*National Hungarian Franz Liszt Musical Academy*): Budapest, VI, Liszt Ferenc Place 8; f. 1875; Dir.-in-Chief F. SZABO; Vice-Dir. Mrs. S. TAKÁCS; Librarian M. J. KARPÁTI; library of 173,000 vols.; 86 professors, 37 supplementary teachers; 350 pupils.

ICELAND

Population 186,912

LEARNED SOCIETIES AND RESEARCH INSTITUTES

AGRICULTURE

Búnadarfélag Islands (*Agricultural Society of Iceland*): Búnadarfélag Islands, Baendahöllinni, Reykjavík; f. 1899; carries out advisory services, administrative duties, promotion of the agricultural industry and research; publs. on agriculture and statistics; 3,600 mems.; Dir. Dr. HALLDÓR PÁLSSON; Board of Directors: THORSTEINN SIGURDSSON (Chair.), PETUR OTTESEN, GUNNAR THORDARSON; publs. *Freyr* (fortnightly), *Búnadarrit* (annual).

ARCHÆOLOGY

Íslenzka fornleifafélag, Hid (*Icelandic Archæological Society*): Reykjavík; f. 1879; Pres. Prof. JÓN STEFFENSEN; Sec. KRISTJÁN ELDJÁRN; 500 mems.; publ. *Árbók* (Year Book).

THE ARTS

Bandalag Íslenzkra Listamanna (*Union of Icelandic Artists*): P.O. Box 629, Reykjavík; Chair. BRYNJÓLFUR JÓHANNESSON; 338 mems.; organised in the following divisions:

- **Arkitektafélag Íslands** (*Icelandic Architects' Association*): Chair.: ADALSTEINN RICHTER; 34 mems.
- **Félag Íslenzkra Leikara** (*Icelandic Actors' Association*): Chair. JÓN SIGURBJÖRNSSON; 65 mems.
- **Félag Íslenzkra Listdansara** (*Association of Icelandic Dance Artists*): Chair. SIGRÍDUR ÁRMANN; 26 mems.
- **Félag Íslenzkra Myndlistarmanna** (*Icelandic Association of Pictorial Artists*): Chair. SIGURDUR SIGURDSSON; 45 mems.
- **Félag Íslenzkra Tónlistarmanna** (*Icelandic Musicians' Association*): Chair. HERMÍNA KRISTJÁNSSON; 28 mems.
- **Rithöfundasamband Íslands** (*Icelandic Writers' Association*): Chair. STEFÁN JÚLÍUSSON; 120 mems.
- **Tónskáldafélag Íslands** (*Icelandic Composers' Society*): Chair. JÓN LEIFS; 20 mems.

INTERNATIONAL CULTURAL SOCIETIES

Alliance Française: P.O. Box 1303, Reykjavík; f. 1911; 300 mems.; Chair. M. ALBERT GUDMUNDSSON; Sec. MAGNÚS G. JÓNSSON; publ. *Islande-France* (annual).

Anglia (*Anglo-Icelandic Society*): P.O. Box 154, Reykjavík, f. 1921; 250 mems.; library contains 2,000 vols.; Chair. HILMAR FOSS; Sec. KRISTIN HALLSSON.

Danske Selskab i Reykjavik (*Danish Society*): Reykjavík, f. 1923; Chair. J. C. KLEIN; Librarian K. BRUUN; P.O. Box 222, Reykjavík.

Dansk-Íslenzka Félagid (*Danish-Icelandic Society*): Reykjavík; Chair. Dr. med. FR. EINARSSON.

Íslenzk-Ameríska Félagid (*Icelandic-American Society*): Hafnarstraeti 19, Reykjavík; Chair. Dr. BENJAMÍN EIRÍKSSON.

Kvenfélagasamband Íslands (*Union of Women's Societies*): Laufásvegur 2, Reykjavík; f. 1930; 14,350 mems.; Chair. Mrs. HELGA MAGNUSDOTTIR; publ. *Húsfreyjan*.

Neytendasamtökin (*The Consumers' Union*): Austurstraeti 14, Reykjavík; f. 1953; 6,000 mems.; Pres. SVEINN ÁSGEIRSSON; publ. *Neytendabladid*.

Norraena Félagid (*Nordic Society*): P.O. Box 912, Reykjavík; f. 1922; 2,000 mems.; Pres. GUNNAR THORODDSEN; Sec. SVEINN ÁSGEIRSSON; Dir. MAGNÚS GÍSLASON; publ. *Norraen tídindi*.

EDUCATION

Menntamalaráð (*Educational Board*) (which includes **Menningarsjodur** (*Cultural Fund*)): P.O. Box 1398, Reykjavík; f. 1928; Chair. HELGI SÆMUNDSSON; Man. Dir. GILS GUDMUNDSSON; publishes Icelandic literature, translation of well-known foreign books, etc., also *Thjódvinafélagid, Andvari* and *Almanak*.

Samband íslenzkra barnakennara (*Icelandic Association of Elementary School Teachers*): Pósthólf 616, Reykjavík; f. 1921; Pres. SKULI THORSTEINSSON; Sec. ARSÆLL SIGURDSSON; 700 mems.; practically all primary school teachers in Iceland are members of the Association; publ. *Menntamal* (4 numbers yearly).

FISHERIES

Rannsóknastofa Fiskifélags Íslands (*Icelandic Fisheries Laboratories*): Reykjavík; f. 1937, technological research for the fish industry; Dir. of Laboratories T. THORBJARNARSON; publs. *Arsrit Fiskifélags Islands, Fiskionrannsóknir* (semi-annual).

GENERAL SCIENCE

National Research Council: c/o Atvinnudeild haskolans, Reykjavík; f. 1940; mems.: TÓMAS TRYGGVASON, FIL.LIC. (Chair.), ÁSGEIR THORSTEINSSON, CAND.POLYT., JAKOB BJÖRNSSON, CAND.POLYT., STEINGRIMUR HERMANNSSON, M.SC. (Dir.), PÁLMI PÉTURSSON (Office Man.).

University Research Institute (*Atvinnudeild háskólans*): Reykjavík; f. 1937; Administrative Board, the National Research Council (*see* above).

Department of Agriculture: Dir. PÉTUR GUNNARSSON, CAND.AGRIC.

- *Animal Breeding and Animal Physiology:* HALLDÓR PÁLSSON, PH.D.
- *Animal Genetics:* STEFÁN ADALSTEINSSON, CAND. AGRIC.
- *Animal Nutrition:* PÉTUR GUNNARSSON, CAND. AGRIC.
- *Entomology:* GEIR GÍGJA.
- *Plant Pathology and Taxonomy:* INGÓLFUR DAVÍDSSON, MAG. SCIENT.
- *Soil Science:* INGVI THORSTEINSSON, CAND.AGRONOM. M.SC., BJARNI HELGASON, B.A., PH.D.

Plant Breeding and Genetics: STURLA FRIDRIKSSON, B.A., M.SC., BJÖRN SIGURBJÖRNSSON, B.S.A., M.SC., PH.D., JÓNAS JÓNSSON, CAND.AGRIC., GUNNAR ÓLAFSSON, CAND.AGRIC.

Department of Fisheries: Dir. JÓN JÓNSSON, MAG. SCIENT.

Codfishes: JÓN JÓNSSON, MAG. SCIENT.

Herring: JAKOB JAKOBSSON, B.S.

Hydrography: UNNSTEINN STEFÁNSSON, M.SC.

Flat-fishes: ADALSTEINN SIGURDSSON, MAG. SCIENT.

Plankton: INGVÁR HALLGRÍMSSON, MAG. SCIENT.; THÓRUNN THÓRDARDÓTTIR, MAG. SCIENT.

Redfish Research: JAKOB MAGNÚSSON, DR.RER.NAT.

Department of Industrial Testing and Research: Dir. OSKAR BJARNASON, CAND.POLYT.

Industrial and Analytical Chemistry—Food Control: OSKAR BJARNASON, CAND.POLYT., GUNNLAUGUR ELÍSSON, CAND.MAG., HÖRDUR THORMAR, DIPL.-CHEM.

Bacteriology: SVERRIR VILHJÁLMSSON, M.SC., ADALSTEINN JÓNSSON, CIV.ENG.

Material Testing: HARALDUR ÁSGEIRSSON, M.SC., SVERRIR SCHEVING THORSTEINSSON, PHIL.CAND., KÁRI EYSTEINSSON, Technician.

Geology and Petrology: TÓMAS TRYGGVASON, PHIL. LIC., THORLEIFUR EINARSSON, DR.PHIL., GUDMUNDUR SIGVALDASON, DR.PHIL.

Visindafélag Islendinga (*Icelandic Scientific Society*): University of Iceland, Reykjavík; f. 1918; 72 mems.; Pres. STURLA FRIDRIKSSON, PH.D.

HISTORY

Íslenzka sögufélag, Hid (*The Icelandic Historical Society*): Reykjavík; f. 1902; Pres. THORKELL JÓHANNESSON.

LITERATURE

Íslenzka bókmenntafélag, Hid (*The Icelandic Literary Society*): Reykjavík; f. 1816; 1,450 mems.; Pres. Prof. Dr. EINAR OL. SVEINSSON; Sec. Prof. Dr. HALLDÓR HALLDÓRSSON; publs. *Annual Journal, Skírnir.*

METEOROLOGY

Vedurstofa Íslands (*Meteorological Institute*): Reykjavík; f. 1920; weather forecasts, climatology, aerology, seismology; Dir. H. SIGTRYGGSSON; staff of about 60; library of 6,000 vols.; publs. *Seismological Bulletin* (annual), *Vedráttan* (monthly).

MUSIC

Tónlistarfélagid (*Music Society*): Reykjavík; f. 1930; operates a College of Music; affiliated societies in major towns; Chair. RAGNAR JÓNSSON; Man. BJÖRN JONSSON; Headmaster of College ARNI KRISTJÁNSSON.

NATURAL HISTORY

Íslenzka náttúrufrædifélag, Hid (*The Icelandic Natural History Society*): P.O. Box 846, Reykjavík; f. 1889; Pres. EYTHÓR EINARSSON; Sec. THORLEIFUR EINARSSON; 924 mems.; publ. *Náttúrufraedingurinn* (quarterly journal of natural history).

PATHOLOGY

Rannsóknastofa Háskólans (*University Institute of Pathology and Bacteriology*): P.O. Box 150, Reykjavík; f. 1934; Dir. Prof. NIELS DUNGAL; Scientific Staff: Dr. OLAFUR BJARNASON (surgical pathology), Dr. THORARINN SVEINSSON (morbid anatomy), Dr. ARINBJORN KOLBEINSSON (bacteriology), Dr. BALDUR JOHNSEN (morbid anatomy), Dr. JONAS HALLGRIMSSON (morbid anatomy).

Tilraunastöd Háskólans í meinafraedi á Keldum (*Institute for Experimental Pathology, University of Iceland, Reykjavík*): P.O. Box 110, Reykjavík; f. 1948; affiliated to University Medical School; Scientific Staff: PÁLL A. PÁLSSON, CAND. MED. VET., HALLDÓR GRÍMSSON, FIL. MAG., MARGARÉT GUDNADÓTTIR, CAND. MED., GUDMUNDUR GÍSLASON, CAND. MED., HALLDÓR THORMAR, MAG.SCIENT

STATISTICS

Hagstofa Íslands (*Statistical Bureau of Iceland*): Reykjavík; f. 1914; Dir. KLEMENS TRYGGVASON; publs. *Hagtídindi* (monthly) *Statistical Bulletin* (quarterly), *Hagskýrslur Islands* (statistical reports).

LIBRARIES

Háskólabókasafn (*University Library*): Reykjavík; f. 1940 102,000 vols.; Dir. BJÖRN SIGFÚSSON, PH.D.

Landsbókasafn Islands (*National Library of Iceland*): Reykjavík; f. 1818; Dir. FINNBOGI GUÓMUNDSSON, DR. PHIL.; 250,000 printed vols., 11,700 MSS.; open to the public; publ. *Árbók* (Year Book), contains an annual list of Icelandic publications.

Thjodskjalasafn (*National Archives*): Safnahús, Reykjavík; f. 1882; Dir. STEFÁN PJETURSSON.

MUSEUMS

Listasafn Einars Jónssonar (*The Einar Jónsson Art Gallery*): Reykjavik; f. 1920; contains the sculpture of Einar Jónsson

Náttúrufraedistofnun Islands (*Museum of Natural History*): P.O. Box 532, Reykjavík; f. 1889 by Hid Íslenzka Náttúrufraedifélag (*The Icelandic Natural History Society*) and maintained by this Society until 1946; taken over by the State 1947; (1(Dept. of Geology and Geography, Dir. Dr. SIGURDUR THORARINSSON; (2) Dept. of Botany, Dir. EYTHÓR EINARSSON, M.SC.; (3) Dept. of Zoology, Dir. Dr. FINNUR GUDMUNDSSON; publ. *Acta Naturalia Islandica* and miscellaneous papers.

Thjódminjasafn (*National Museum*): Reykjavík; f. 1863- the main collection is of Icelandic antiquities; collection of art and coins; Dir. KRISTJÁN ELDJÁRN, Stats, Antiquary; publs. *Skýrsla um Forngripasafn Islandns Thjódminjasafn Islands, Leidarvísir, Árbók hins, íslenzka Fornleifafélags.*

UNIVERSITY

HÁSKÓLI ÍSLANDS
(University of Iceland)

REYKJAVÍK

Telephone: 13372

Founded 1911.

Rector: Prof. ARMANN SNAEVARR.
Vice-President: Prof. N. DUNGAL.
Secretary: J. L. L. HELGASON, CAND. JUR.
Librarian: BJÖRN SIGFÚSSON, PH.D.

Library: *see* above.
Number of professors: 37.
Number of students: 850.
Publication: *Árbók Háskóla Islands.*

DEANS:

Faculty of Theology: Prof. BJÖRN MAGNÚSSON.
Faculty of Medicine: Prof. NÍELS DUNGAL.
Faculty of Law: Prof. MAGNÚS TORFASON.
Facylty of Economics: Prof. ÓLAFUR BJÖRNSSON.
Faculty of Philosophy: Dr. HALLDÓR HALLDÓRSSON.
Faculty of Engineering: Prof. MAGNÚS MAGNÚSSON.

PROFESSORS:

Faculty of Theology:
HANNESSON, JÓHANN (Dogmatics, History of Religion).
LÁRUSSON, MAGNÚS MÁR (Church History, New Testament Isagogics and Exegesis).
MAGNÚSSON, BJÖRN (Ethics, New Testament Theology and Exegesis, Pastoral Theology).
THÓRDARSON, THÓRIR (Old and New Testament Exegesis, Pastoral Theology).

Faculty of Medicine:
BALDURSSON, STEINGRIMUR, PH.D. (Chemistry).
DAVÍDSSON, DAVÍD (Physiology, Biochemistry).
DUNGAL, NÍELS (Pathology, Bacteriology).
HALLGRÍMSSON, SNORRI, M.D. (Surgery).
HELGASON, TÓMAS (Psychiatry).
SAMUELSSON, SIGURDUR, M.D. (Medicine).
SIGTRYGGSON, JÓN (Dental Surgery).
SIGURJÓNSSON, JÚLÍUS, M.D. (Hygiene).
STEFÁNSSON, KRISTINN (Pharmacology).
STEFFENSEN, JÓN (Anatomy, Histology).

Faculty of Law and Economic Science:
JÓHANNESSON, OLAFUR (Constitutional Law, Administrative Law, Property Law).
LÍNDAL, THEÓDÓR B. (Procedural Law).
SNAEVARR, ÁRMANN (Criminal Law, Family Law, Law of Successions and Donations, Law of Persons.
TORFASON, MAGNÚS (Contract Law, Law of Torts, Maritime Law, Company Law).

Faculty of Economics:
BJÖRNSSON, OLAFUR (Economic Theory and Policy, Public Finance, Economic System of Iceland).
GISLASON, GYLFI TH. (Business Economics, Accounting).
VILHJÁLMSSON, ÁRNI (Business Economics).

Faculty of Philosophy:
ÁGÚSTSSON, SÍMON JÓH. (Philosophy).
BENEDIKTSSON, HREINN (Icelandic Philology).
GUDNASON, BJARNI (Icelandic Literature).
HALLDÓRSSON, HALLDÓR (Icelandic Philology).
JÓNSSON, GUDNI (History of Iceland).
JÓNASSON, MATTHÍAS, PH.D. (Pedagogy).
NORDAL, SIGURDUR, PH.D. (Icelandic Literature).
SVEINSSON, EINAR ÓL. (Icelandic Literature).
THORSTEINSSON, STEINGRÍMUR J. (Icelandic Literature).
VILMUNDARSON, THORHALLUR (Icelandic History).

Faculty of Engineering:
ÁSGEIRSSON, LEIFUR (Mathematical Analysis).
EINARSSON, TRAUSTI (Mechanics, Physics).
MAGNUSSON, MAGNÚS (Physics).
SIGURGEIRSSON, THORBJÖRN (Physics).
THORSTEINSSON, LOFTUR (Surveying, Statics).

COLLEGES

Búnadarskólinn á Hólum í Hjaltadal (*Agricultural School of Holar*): Hólum i Hjaltadal; f. 1882.
Director: KRISTJÁN KALSSON.
The library contains 6,000 vols.
Number of teachers: 4 professors.
Number of students (men and women): 50.
Publication: *Bufraedingurinn* (Agriculturist; once a year).

Bændaskólinn á Hvanneyri (*Agricultural School*): pr. Borgarnes; f. 1889.
President: MINISTER OF AGRICULTURE.
Principal: GUÐMUNDUR JÓNSSON.
Number of teachers: 5.
Number of students: 60 men.

Framaldsdeildin á Hvanneyri (*Agricultural College*): Hvanneyri, pr. Borgarnes.
President: MINISTER OF AGRICULTURE.
Principal: GUÐMUNDUR JÓNSSON.
Number of teachers: 6.
Number of students: 7.

Handicrafts and Art School: Reykjavík; f. 1939.

Reykjavik College of Music: Skipholt 33, Reykjavík; f. 1930; teaching in piano, organ and orchestral music, singing, theory, composition, music history, including training for music teachers; Dir. JÓN NORDAL; 250 students.

Verzlunarskóli Íslands (*Commercial College*): Reykjavík; f. 1905; co-educational, non-residential secondary school.
Principal: JÓN GÍSLASON, DR.PHIL.

INDIA

Population 461,000,000

LEARNED SOCIETIES

Abdul Bari Academy: Ferangi Mahal, Lucknow; f. 1959; literary and cultural activities; library of 5,000 vols. and historical MSS.

Academy of Zoology: 164 Civil Lines, Agra; f. 1954 500 mems.; library of 5,000 vols., exchange service with other zoological institutions; international organisation and forum for the advancement of zoology; Pres. Dr. B. C. MAHENDRA; Sec. C. P. SINGH; publs. *The Annals of Zoology, The Zoological Memoirs, The Fauna of India, Ceylon, Burma and Pakistan.*

Agri-Horticultural Society of Madras: Cathedral P.O., Madras 6; f. 1835; 500 mems.; Patron H.E. THE GOVERNOR OF MADRAS; Chair. V. T. RANGASWAMY, B.A.B.L.; Hon. Sec. C. S. KRISHNASWAMY, J.P.; Hon. Treas. S. PARTHASANATHY, B.A., M.L.

Andhra Historical Research Society: Godavari Bund Road, Rajahmundry, Andhra Pradesh, South India; f. 1922; 190 mems.; library of 2,800 vols., Oriental MSS. library of 7,700 palm-leaf books in Sanskrit, Telugu, etc.; free reading room and public library; also maintains a museum of copper-plates, coins, archæological exhibits, etc.; Pres. N. KAMESWA RA RAO, B.A., B.L.; Gen. Sec R. SUBBA RAO, M.A., L.T.; publ. *Journal of Historical Research* (in English), *Histories of Telugu Dynasties.*

Anthropological Society of Bombay: 136 Apollo Street, Fort Bombay; f. 1863; Pres. Dr. V. M. KAIKINI, B.A., F.R.C.S.; Hon. Sec. Dr. P. CABINETMAKER; publ. *Journal.*

Asian Relations Organisation: Sapru House, New Delhi; f. 1947 by the first Asian Relations Conference; objectives: (*a*) to promote the study and understanding of Asian problems and relations in their Asian and world aspects; (*b*) to foster friendly relations and co-operation among the peoples of Asia and between them and the rest of the world; and (*c*) to further their progress and well-being; Hon. Sec. B. SHIVA RAO; Joint Gen. Sec. A. APPADORAI.

Asiatic Society, The: 1 Park Street, Calcutta; f. 1784; 616 mems.; Pres. Dr. K. N. BAGGHI, B.SC., M.B., D.T.M., F.N.I., F.R.I.C.; Gen. Sec. Dr. P. C. GUPTA, M.A., PH.D., F.A.S.; publs. *Journal* (4 issues a year), *Year Book, Bibliotheca Indica, Monographs,* etc.

Asiatic Society of Bombay, The: Town Hall, Bombay; f. 1804; 1,039 mems.; library of 160,000 vols.; Pres. The Hon. Mr. M. C. CHAGLA; Hon. Sec. Prof. G. C. JHALA, M.A., Librarian N. A. GORE; publ. Journal and Monographs.

Bar Association of India: Room No. 20, Supreme Court Building, New Delhi.

Bharata Ganita Parisad (formerly Benares Mathematical Society); Dept. of Mathematics and Astronomy, University, Lucknow; f. 1950; Pres. Dr. R. S. VARMA; Sec. Dr. D. CHANDRA; Treas. Dr. J. P. JNISWAL; Librarian Dr. S. K. BOSE; publs. *Ganita* (Vols. I-XIV), *Proceedings of the Benares Mathematical Society* (Vols. I-IX).

Bharata Itihasa Samshodhaka Mandala: 1321 Sadashiva Peth, Poona, 2; f. 1910 for collecting, conserving and publishing historical materials; collection of 5,200 coins; 27,000 Persian, Sanskrit and Marathi MSS; 1,500,000 documents; about 1,200 old Indian paintings, 1,000 copperplates, sculptures and other antiquarian objects; over 750 mems.; library of 13,000 vols.; Pres. THE RAJA SAHEB OF PHALTAN; Chair. MM. D. V. POTDAR, B.A.; Secs. Dr. B. M. HANITKAR, G. H. KHARE, V. T. SHETE; publs. *Journal* (quarterly), *Sviya Granthamala Series* (105 issued), *Purashrita Granthamala* (55 issued).

Bihar Research Society: Museum Buildings, Patna, Bihar; f. 1915; 167 mems.; library of 10,687 vols.; Pres. H.E. THE GOVERNOR OF BIHAR; Sec. S. V. SOHONI, I.C.S.; Librarian Dr. TARAPADA CHOWDHURY, M.A., PH.D.; publ. *Journal.*

Bombay Art Society: Jehangir Art Gallery, Museum, Fort, Bombay; f. 1888; holds one-man shows, lectures and demonstrations; portrait exhibition in Sept., annual exhibition in Dec. or Jan.; Pres. (vacant); Hon. Sec. S. S. BATLIVALA; publ. illustrated catalogues of exhibitions.

Bombay Historical Society: Prince of Wales Museum, Bombay, 1; f. 1925; Pres. P. V. VAIDYE; Hon. Sec. BRAZ A. FERNANDES; publ. *Journal.*

Bombay Medical Union: Blavatsky Lodge Building, Chowpatty, Bombay, 7; f. 1883; 388 mems.; Pres. Dr. THOMAS C. DA SILVA; Jt. Hon. Secs. Dr. H. S. PATEL, Dr. Kum. K. P. THACKER; Jt. Hon. Librarians Dr. M. C. KOTHARY, Dr. Smt. PADMA J. MEHTA.

Bombay Natural History Society: Hornbill House, Apollo Street, Bombay, 1-BR.; f. 1883; 1,200 mems.; 5,000 vols.; Pres. H.E. THE GOVERNOR OF MAHARASHTRA; Hon. Sec. ZAFAR FUTEHALLY; publ. *Journal.*

British Council, The: headquarters and regional office, Northern India: 21 Jor Bagh, New Delhi 3, Rep. W. H. EARLE, O.B.E.; Reg. Rep. D. BLACKETT; regional offices: French Bank Building, Homji Street, Bombay 1, Reg. Rep. P. L. ROUSSEL; 5 Shakespeare Sarani, Calcutta 16, Reg. Rep. A. MACKENZIE SMITH, M.C.; 150a Mount Road, Madras 2, Reg. Rep. S. E. HODGSON.

Calcutta Mathematical Society: 92 Acharya Prafulla Chandra Road, Calcutta 9; f. 1908; 260 mems.; 4,400 vols.; Pres. Prof. R. N. SEN, M.A., PH.D., F.N.I.; Sec. A. GUPTA; publ. *Bulletin.*

Geological, Mining and Metallurgical Society of India: 35 Ballygunge Circular Road, Calcutta 19; f. 1924; Pres. S. N. MULLICK; Joint Secs. N. N. CHATTERJEE, S. K. BOROOAH; 575 fellows, 233 associates; publs. *Journal* (quarterly), *Bulletin.*

Goethe Institut: Max Mueller Bhavan 3, Curzon Road, New Delhi; also at Bangalore, Calcutta, Hyderabad, Madras, Poona and Rourkela.

Indian Academy of Sciences: Hebbal P.O., Bangalore 6; f. 1934; 227 Fellows; Pres. Sir C. V. RAMAN; publ. *Proceedings* (monthly).

Indian Adult Education Association: 17B Indraprastha Marg, New Delhi; f. 1939; central organisation of adult education workers; recognised by national Govt.; 500 mems.; library of 10,000 vols.; Pres. Dr. MOHAN SINHA MEHTA; Sec. S. C. DUTTA; publ. *Indian Journal of Adult Education* (monthly), *Prouh Shiksha* (Hindi bi-monthly), *Kamgarr Shiksha* (Hindi monthly).

Indian Botanical Society: University Botany Laboratory, Madras-5; Pres. Prof. T. S. Sadasivan; Sec. Dr. V. Puri; Treasurer and Editor Prof. T. S. Sadasivan; publ. *Journal*.

Indian Ceramic Society: Dept. of Ceramics, Banaras Hindu University, Banaras; f. 1929, Sec. Prof. H. N. Roy; publ. *Transactions* (quarterly).

Indian Chemical Society: University College of Science Buildings, Acharya Prafulla Chandra Road, Calcutta 9; f. 1924; 850 mems.; library of 3,700 vols.; Pres. Dr. R. C. Shah, B.A., M.SC., PH.D., F.N.I.; Hon. Sec. Dr. M. M. Chakrabarty, M.SC., PH.D.; publs. *Indian Journal of Applied Chemistry* (bi-monthly), *Journal of Indian Chemical Society* (monthly).

Indian Council for Cultural Relations, The: Azad Bhavan, Indraprastha Estate, New Delhi 1; f. 1950 to strengthen cultural relations between India and other countries; head office in Delhi and branch offices in Bombay, Calcutta and Madras; activities include exchange visits between scholars, artists and men of eminence; publications interpreting India abroad; work with overseas students; library of approx. 18,000 vols. including exchange with foreign periodicals; Pres. M. C. Chagla; Sec. Inam Rahman; publs. *Indo-Asian Culture* (English quarterly), *Cultural News from India* (English bi-monthly), *Thaqafat-ul-Hind* (Arabic quarterly), *Indo-Iranica* (Persian and English quarterly) and 25 publications in English, Arabic, Persian, Portuguese, Turkish and Korean.

Indian Council of World Affairs: Sapru House, Barakhamba Road, New Delhi 1; f. 1943; non-governmental institution for the study of Indian and International questions; 1,500 mems.; Pres. Dr. H. N. Kunzru; Sec.-Gen. S. L. Poplai; Over 50 publs., periodicals *India Quarterly* 1944-, *Foreign Affairs Reports* (monthly), 1952-.

Indian Dairy Science Association: Hosur Road, Bangalore 1; Pres. V. Kurien; Secs. Dr. M. L. Mathur, Dr. H. Laxminarayana; publs. *Indian Journal of Dairy Science* (quarterly), *Indian Dairyman* (monthly).

Indian Institute for Educational and Cultural Co-operation: N. M. Wadia Trust Buildings, 22D Parsi Bazar Street, Bombay; objects: to promote collaboration among men and women of learning and among literary and educational institutions, and to promote studies in international relationships; the Institute also functions as the Bombay Association for the U.N. and the Bombay Chapter for World Brotherhood; Pres. H.E. Mr. Sri Prakasa, Governor of Maharashtra; Chair. Exec. Cttee. Sir Rustom Masani, M.A.; Hon. Secs. Prof. N. A. Nadvi, B. K. Karanjia, J. F. Kapadia; Hon. Treas. Ramnath A. Podar.

Indian Institute of Metals: 31 Chowringhee Road, Calcutta 16; f. 1946; 2,200 mems.; Pres. Dr. B. R. Nijhawan; Vice-Pres. Dr. M. N. Dastur and J. W. McCracken; Hon. Sec. R. D. Lalkala; Jt. Hon. Sec. Dr. M. N. Parthasarathi; Hon. Treas. Dr. A. K. Seal; publ. *Transactions* (quarterly).

Indian Institute of World Culture, The: 6 Shri B.P. Wadia Road, Basavangudi, Bangalore 4; London Branch: 62 Queen's Gardens, W.2; objects: to provide opportunities for cultural and intellectual development, to promote exchange of thought between India and other countries and to raise the consideration of national and world problems to the plane of moral and spiritual values; Pres. Mme. Sophia Wadia; Hon. Dir. M. Jacques Dedeyn; publs. *Annual Reports, Transactions,* Reprints and Books.

Indian Law Institute: Opp. Supreme Court, New Delhi; f. 1956; purpose of the Institute is to promote advanced studies and research in law and reform of administration of law and justice; Patron-in-Chief, the President of India; Hon. Exec. Chair. Shri B. P. Sinha; Dir. of Research Dr. M. P. Jain; publs. *Journal of the Indian Law Institute* (quarterly), *Index to Indian Legal Periodicals* (half-yearly), and research publications.

Indian Library Association: 4 Chittaranjan Avenue, Calcutta; f. 1933; 200 mems.; Pres. B. S. Kesavan, M.A., DIP.LIB.; Hon. Sec. G. B. Ghosh; publ. *Annals, Bulletin* and *Granthalaya* (Abgila) (quarterly).

Indian Mathematical Society: Hans Raj College, Delhi 7; f. 1907; 800 mems.; 2,000 vols.; Pres. Prof. P. L. Bhatnagar; Sec. Shanti Narayan; Editors Prof. M. Venkataraman and Prof. T. P. Srinivasan; Librarian Prof. C. T. Rajgopal; publs. *Journal of the Indian Mathematical Society, Mathematics Student*.

Indian Medical Association, The: I.M.A. House, Indraprastha Marg, New Delhi 1; f. 1928; 26,000 mems.; Pres. Dr. A. P. Mittra; Hon. Gen. Sec. Dr. Ved Prakash; publs. *Journal* (fortnightly), *Your Health* (monthly), *Apa Ka Swasthya* (Hindi, monthly); affiliated with the British Medical Association.

Indian Music Association: Lucknow; f. 1939; only institution of its kind in India; object: to revive and reorganise the decaying art of Indian music.

Indian Pharmaceutical Association: "Bharati Bhavan", 3rd fl., 213-219 Frere Road, Fort, Bombay 1; Pres. A. Raptakos; Hon. Gen. Sec. Dr. J. N. Banerjee; Jt. Hon. Gen. Secs. Dr. R. S. Baichwal, Dr. K. N. Kaul; publ. *Indian Journal of Pharmacy*, Editor Dr. G. B. Ramasarma.

Indian Research Society: 78 Serpentine Lane, Calcutta; publs. *Research and Review, Transactions*.

Indian Science Congress Association: 64 Dilkhusa Street, Calcutta 17; f. 1914; 4,379 mems.; Pres. B. N. Prasad, M.P. (Rajya Sabha); Gen. Secs. Dr. Atma Ram and C. S. Ghosh; publs. *Proceedings* (annual, in four parts), *Progress of Science in India* (25 a year), *Reviews* (occasional), *Outline of Field Sciences of India*.

Indian Society of Agricultural Economics: 46–48 Esplanade Mansions, Mahatma Gandhi Road, Fort, Bombay; f. 1939; 750 mems.; Pres. Prof. D. G. Karve; Hon. Sec. G. B. Kulkarni; publ. *The Indian Journal of Agricultural Economics* (quarterly).

Indian Society of Oriental Art (Calcutta): 15 Park Street, Calcutta 16; f. 1907; 350 mems.; to promote all aspects of ancient and contemporary Indian art; Pres. Acharya Nandolal Bose; Sec. K. P. Tagore; publs. *Journal* (annual), portfolios and monographs on Indian art, prints, albums, etc.

Indian Standards Institution (ISI): 9 Bahadur Shah Zafar Marg, New Delhi 1; f. 1947; library contains 137,205 standards and technical publications and 452 periodicals; Pres. T. N. Singh; Dir. Lal C. Verman.

Institut Français: Pondicherry; f. 1955; Dir. J. Filliozat.

Institute of Chartered Accountants of India: Indraprastha Marg, New Delhi 1; f. 1949; Pres. Raghu Nath Rai; Sec. G. Balakrishnan.

Institution of Engineers (India): 8 Gokhale Road, Calcutta 20; f. 1920; incorp. by Royal Charter 1935; 56,809 mems.; twenty-two libraries; Pres. Prof. N. S. Govinda Rao; Sec. B. Seshadri; publs. *Journal, Bulletin*.

Iran League: Navsari Building, (Second Floor), Dr. Dadabhai Navroji Road, Fort, Bombay 1, B.R.; f. 1922; 700 mems.; Pres. Noshirwan Hormasji Cowasji Dinshah of Aden; Sec. Sohrab H. Batlivala, PH.D.; publs. *Iran League Journal*, translations and commentaries in modern Persian of Avestan texts, etc.

Iran Society: 12 Kyd Street, Calcutta 16; f. 1944; 180 mems.; Pres. Dr. N. Dutt, M.A., PH.D., D.LITT., F.A.S.; Gen. Sec. Dr. M. Ishaque, M.A., B.SC., PH.D.; Hon. Treas. R. T. Saklath, B.A.; publ. *Indo-Iranica* (quarterly).

Ismaili Society, The: P.O. Box 6052, Bombay 5; f. 1946; Pres. G. H. Bundally; Hon. Ed. W. Ivanow; publ. Editions of Texts and Translations of original Ismaili works, monographs on Ismailism.

Kalakshetra: Tiruvanmiyur, Madras 41; f. 1936; centre for education in classical music, dancing, theatrical art, painting and handicraft; maintains a weaving-centre for the production of silk and cotton costumes in traditional design; maintains Tamil manuscript library and undertakes cultural research; Pres. SRIMATHI RUKMINI DEVI; Sec. K. SANKARA MENON; publ. material relating to education, art and literature.

Madras Literary Society and Auxiliary of the Royal Asiatic Society: College Road, Nungumbakam, Madras 6; Pres. K. KRISHNA MENON; Hon. Sec. S. V. B. ROW; Librarian C. N. RAMAKRISHNA IYER, B.A.

Maha Bodhi Society: 4A Bankim Chatterjee Street, Calcutta 12; f. 1891; 11 brs. in other cities; 1,800 mems.; Pres. H.H. MAHARAJAH OF SIKKIM; Gen. Sec. D. VALISINHA; Joint Secs. Ven. N. JINARATANA THERA and Rev. M. SANGHARATANA; publs. *Mahabodhi Journal* (English monthly), *Dharmaduta* (Hindi monthly), books on Buddhism.

Mysore Engineers' Association: Bangalore 1; f. 1863.

Mythic Society: Cenotaph Road, Bangalore 2; f. 1909; Pres. K. GURU DUTT; publ. *Journal* (quarterly).

National Academy of Art (Lalit Kala Akademi): Rabindra Bhavan, 35 Ferozeshah Road, New Delhi; f. 1954; to encourage and promote study and research in fields of painting, sculpture, architecture and the applied arts; co-ordination of activities of State Academies and art associations; arrangement of exhibitions; Gen. Council includes the Director of National Museum of India, the Curator of the National Gallery of Modern Art, representatives of the Central and State Governments and recognised art associations and eminent artists; Chair. MEHDI NAWAZ JUNG; Vice-Chair. N. S. BENDRE; Sec. B. C. SANYAL; publs. art books and brochures; *Lalit Kala* (bi-annual art journal), *Lalit Kala Series of Indian Art, Lalit Kala Series of Contemporary Indian Art, Lalit Kala Contemporary* (bi-annual).

National Academy of Music, Dance and Drama for India (Sangeet Natak Akademi): Rabindra Bhavan, Ferozeshah Road, New Delhi 1; f. 1953 for the development of dancing and drama and music; governed by a General Council; co-ordinates activities of regional and state academies; offers financial assistance to institutions and organisations throughout the country; maintains National School of Drama and Asian Theatre Institute, New Delhi, and Manipuri Dance College, Imphal; conducts national festivals, seminars, competitions; awards distinctions, prizes etc.; Chair. JAYA CHAMARAJA WADIYAR BAHADUR, Maharaja of Mysore; Sec. Prof. MOHAN KHOKAR.

National Academy of Letters (Sahitya Akademi): Rabindra Bhavan, 35 Ferozeshah Road, New Delhi; f. 1954 for the development of Indian literature, the co-ordination of literary activities in the Indian languages and research in Indian languages and literature; publication of literary works; promotion of cultural exchanges with other countries; Gen. Council consists of eminent persons in the field of letters, nominees of the Central and State Governments, representatives of the universities and one representative of each of the 16 languages of India recognised by the Academy; awards annual prizes in 16 Indian languages; Pres. Dr. S. RADHAKRISHNAN; Vice-Pres. Dr. ZAKIR HUSAIN; publs. *Indian Literature* (English, twice yearly), *Sanskrita Pratibha* (Sanskrit, twice yearly), *Monthly News Bulletin*, books and translations into Indian languages.

National Academy of Sciences: Allahabad; f. 1930 for the cultivation and promotion of science in all its branches; Pres. Dr. M. S. RANDHAWA; Vice-Pres. Prof. K. BANERJEE, Prof. P. S. GILL; Secs. Dr. R. N. TANDON, Dr. K. N. MATHUR; 258 mems. including 110 fellows and 31 honorary fellows; publs. *Proceedings* in two sections—*Section A: Physical Sciences, Section B: Biological Sciences.*

National Book Trust, India: 23 Nizamuddin East, New Delhi 13; an autonomous body set up by the Government to produce and encourage the production of good literature and to make such literature available at moderate prices to the public; to bring out booklists, arrange exhibitions and seminars and take all necessary steps to make the people book-minded. The Trust has planned a series, "India—The Land and People", which will give information about every aspect of the country. The Trust organises national and regional book exhibitions. Chair. B. KESKAR; Sec. M. C. MINOCHA.

National Council of Education, Bengal: Calcutta 32; f. 1906; 300 mems.; Pres. P. C. SEN, Chief Minister of West Bengal; Sec. A. N. HALDAR, A.M.E.E.

National Council of Educational Research and Training: 38a Friends Colony, Mathura Road, New Delhi 14; f. 1963; groups nine institutes, covering all aspects of educational research; post-graduate education facilities; Dir. Dr. T. A. KOSHY; controls the:

National Fundamental Education Centre: f. 1956; trains District Officers in charge of Social Education and Adult-Literacy Instructors; conducts research projects; produces prototype material, including audio-visual aids; organises seminars, especially on adult literacy; library of 12,000 vols.; Dir. Dr. T. A. KOSHY; Asst. Dir. H. P. SAKSENA; Asst. Dir. Literacy Unit N. A. ANSARI; publs. numerous reports, *N.F.E.C. Bulletin.*

National Institute of Sciences of India: Mathura Road, New Delhi 1; f. 1935; 328 Ordinary Fellows, 42 Hon. Fellows; Pres. Dr. A. N. KHOSLA; Secs. S. BASU, Dr. P. MAHESHWARI; Treas. Dr. RAM BEHARI; Foreign Sec. Dr. B. MUKERJI; Editor of Publications Dr. R. C. MAJUMDAR; publs. *Proceedings, Transactions, Bulletins, Progress of Science in India.*

P.E.N. All-India Centre: "Theosophy Hall", 40 New Marine Lines, Bombay 1; f. 1933; over 500 mems.; Founder-Organiser SOPHIA WADIA; Pres. Dr. S. RADHAKRISHNAN; Sec.-Treas. NISSIM EZEKIEL; publs. *The Indian P.E.N.* (monthly), P.E.N. series on Indian literatures, *P.E.N. Conference Proceedings.*

Rajasthan Academy of Sciences: Pilani; f. 1951; Pres. Prof. S. M. MITRA, D.SC.; Sec. Prof. D. K. SANTRA, PH.D. (LOND.), M.PHARM.; Editor Prof. B. N. MULAY, PH.D., F.B.S.; publ. *Proceedings.*

Royal Agri-Horticultural Society of India: Alipur Road, Calcutta 27; f. 1820; 1,000 mems.; Pres. THE MAHARAJADHIRAJ BAHADUR OF BURDWAN, K.C.I.E.; Officer in charge, V. N. TANKHA, M.A., M.SC.; publ. *Monthly Garden News Sheet.*

Servants of India Society: Poona 4; f. 1905 to train national missionaries for the service of India and to promote, by all constitutional means, the interests of the Indian people; training period, 5 years; 13 mems.; 100,000 vols.; brs. Madras, Bombay, Allahabad, Nagpur, and other centres in many parts of India; Pres. PANDIT H. N. KUNZRU; Sec. S. G. GOKHALE; publ. *Hitavada* (daily).

Society of Biological Chemists, India: Bangalore 12; f. 1930; 500 mems.; Pres. Dr. A. SREENIVASAN; Secs. Dr. S. MAHADEVAN, Dr. G. D. KALYANIKAR, Dr. N. APPAJI RAO; publs. *Review of Biochemical and Allied Research in India*(annual), *Proceedings* (annual).

Theosophical Society, The: International Headquarters, Adyar, Madras 20; f. in New York 1875; 31,174 mems. throughout the world; library of 72,000 volumes and

17,100 palm-leaf and paper MSS.; aims: to form a nucleus of the Universal Brotherhood of Humanity; to encourage the study of comparative religion, philosophy and science, and to investigate unexplained laws of nature and the powers latent in man; Pres. N. Sri Ram; Vice-Pres. James S. Perkins; Recording Sec. Katherine A. Beechey; Treas. Stuart G. Nicholls; publ. *The Theosophist* (monthly).

U.S. Information Centers: 24 Curzon Road, New Delhi; also at Bangalore, Bombay, Calcutta, Hyderabad, Lucknow, Madras, Trivandrum.

Zoological Society of India: 34 Chittaranjan Avenue, Calcutta 12; Pres. Dr. A. B. Misra (Lucknow); Hon. Sec.-Gen. Dr. M. M. Girl (Bareilly); Hon. Treas. Dr. B. S. Chauhan (Calcutta); publ. *Journal of the Zoological Society of India* (bi-annually).

RESEARCH INSTITUTES

Agriculture and Fisheries

Agricultural College and Research Institute: Lawley Road, Coimbatore, Madras 3; f. 1921.

Agro-Economic Research Centre: Visva-Bharati University, Santiniketan, West Bengal.

Central Arid Zone Research Institute: Jodhpur; f. 1959; five divisions: Basic Resource Studies, Resource Utilisation Studies, Physical and Chemical Engineering Liaison, Human Factor Studies, Special Animal Studies; Dir. P. C. Raheja.

Central Coconut Research Station: Kasargod; f. 1947; Dir. Dr. K. M. Pandalai; publs. *Coconut Bulletin, Indian Coconut Journal.*

Central Inland Fisheries Research Institute: P.O. Barrackpore, via Calcutta; Branch laboratories: Pond Culture Sub-station at Allahabad, Fish Culture Unit at Joysager, Chilka Lake Unit at Balugaon, Pulicat Lake Unit at Ponner, Krishna-Godavari Unit at Rajahmundry, Narbada-Tapti Unit at Hoshangabad, Ganga Survey Unit at Bhagalpur, Cold Water Fisheries Unit at Kangra, Tank and Lacustrine Fisheries Units at Tungabhadra Dam, Brackishwater Fish Farming Unit at Calcutta, Estuarine, Pathology, Documentation, Water Pollution and Statistical Units and Training Section at Barrackpore; Dir. Dr. B. S. Bhimachar, D.SC., F.A.SC., F.N.I.

Central Marine Fisheries Research Institute: Mandapam Camp (South India); f. 1947; Dir. Dr. S. Jones, D.SC., F.N.G.S., F.A.SC., F.Z.S.I.; publ. *Indian Journal of Fisheries.*

Central Potato Research Institute: Simla; Dir. Dr. Pushkarnath, M.SC., PH.D., A.I.A.R.I.; publ. *India Potato Journal.*

Central Rice Research Institute: Cuttack 6; Dir. Dr. R. H. Richharia, M.SC., PH.D. (CANTAB.).

Central Tobacco Research Institute: Rajahmundry, Andhra Pradesh; f. 1947; under the Indian Central Tobacco Cttee. (Ministry of Food and Agriculture, Govt. of India); applied and fundamental research on all types of tobacco grown in India; regional stations at Guntur, Vedasandur, Pusa, Hunsur and Dinhata; Dir. Dr. D. M. Gopinath.

Indian Agricultural Research Institute: New Delhi; f. 1905; Divisions of Agricultural Engineering, Agronomy, Botany, Soil Science and Agricultural Chemistry, Agricultural Physics, Agricultural Economics, Agricultural Extension, Mycology and Plant Pathology, Microbiology, Entomology, Horticulture, Plant Introduction, All-India Soil and Land Use Survey; library of 165,000 vols.; Dir. Dr. B. P. Pal, M.SC., PH.D., F.L.S., F.B.S., F.N.I.; publ. *Scientific Reports* (annually).

Indian Council of Agricultural Research: Krishi Bhavan, New Delhi; f. 1921 to promote agricultural and animal husbandry research in conjunction with State Governments, Central and State Research Institutions, etc.; Pres. C. Subramanyam; Vice-Pres. A. D. Pandit; Sec. I. D. Khanna; Agricultural Commissioner Dr. S. M. Sikka; Animal Husbandry Commissioner Dr. P. Bhattacharya; Statistical Adviser Dr. V. G. Panse.

National Dairy Research Institute: Karnal, Punjab; f. 1923; Dir. Dr. Noshir N. Dastur, M.SC., PH.D., A.I.I.SC.; publ. *Indian Journal of Dairy Science.*

National Sugar Institute: Kalyanpur, Kanpur; f. 1936; Dir. Shri Suresh Chandra Gupta; Hon. Professor S. N. Gundu Rao; Professors G. R. Athavale, S. L. Phansalkar, Dr. S. Mukherjee, N. C. Varma, S. L. Saxena, A. C. Raha, J. P. Shukla, S. K. Ghosh, H. C. Bhattacharya, Dr. Kripa Shanker, Dr. N. A. Ramaiah; publ. *Sharkara.*

Rubber Board and Rubber Research Institute of India: Rubber Board P.O., Kottayam; f. 1955 to promote the development of the industry; scientific technological and economic research in improved methods of planting, cultivation; 25 mems.; Chair. P. S. Habeeb Mohammed, I.A.S.; Sec. T. V. Joseph; Dir. of Research Dr. K. T. Jacob; publs. *Rubber Board Bulletin, Rubber, Indian Rubber Statistics, Report of Activities.*

State Agricultural Laboratory: P.O. Barbheta, Jorhat, Assam; extensive research on rice, pulses, oilseeds, maize and cotton is carried out at the various stations of the State under the supervision of the Rice Specialist Dr. D. N. Borthakur, M.SC., PH.D.

Archaeology, Anthropology

Anthropological Survey of India: c/o The Indian Museum, 27 Chowringhee Road, Calcutta 13; f. 1946; field work and research; Dir. Dr. D. K. Sen, M.SC., PH.D.(LOND.); publs. *Bulletin, Memoir, Anthropology in India,* etc.

Archaeological Survey of India: Government of India, New Delhi; f. 1902; Dir.-Gen. A. Ghosh, M.A.; publs. numerous articles on Indian history, archaeology and epigraphy.

Ethnographic and Folk Culture Society, The: Anthropology Laboratory, Lucknow University; f. 1945; Pres. Dr. A. V. Rao, PH.D.(CANTAB.); Hon. Sec. Dr. K. S. Mathur, PH.D.(ANU.); publs. *The Eastern Anthropologist* (thrice yearly), *Prachya Manav Vaignanic* (Hindi), Monographs, Folk Culture Series, Rural Profiles, etc.

Kamarupa Anusandhan Samiti (*Assam Research Society*): Gauhati, Assam; f. 1912; historical and archaeological research; 200 mems.; Pres. P. D. Chaudhury, M.A., B.L.; Joint Secs. M. C. Das, M.A., P. D. Goswami, M.A., D.PHIL.; publ. *Journal of Assam Research Society* (quarterly).

Art, The Arts, Education, Oriental Studies

Abdul Kalam Azad Oriental Research Institute: Hyderabad; f. 1959; research in history, philosophy, culture and languages.

All-India Oriental Conference: Bhandarkar Oriental Research Institute, Poona 4; f. 1919; 700 mems.; Pres. Prof. A. N. Upadhye; Secs. Dr. R. N. Dandekar, M.A., PH.D., Prof. P. N. Pushp; Treas. Dr. S. M. Katre; publs. *Proceedings of its Sessions, Index of Papers* (in three volumes).

Bhandarkar Oriental Research Institute: Poona 4; f. 1917; Sec. Dr. R. N. Dandekar, M.A., PH.D.; Curator A. D. Pusalker, M.N., LL.B., PH.D.; Gen. Editor Dr. P.L.

Vaidya, M.A., D.LITT.; library of 23,860 vols. 20,200 MSS.; publs. *Annals of the Bhandarkar Oriental Research Institute* (quarterly), *Bhandarkar Oriental Series*, *Bombay Sanskrit and Prakrit Series*, *Government Oriental Series*, Critical Editions of the *Mahabharata* and *Harivamsa*, and many miscellaneous volumes.

Bharatiya Vidya Bhavan: Chaupatty Road, Bombay 7; f. 1938; objects are to conserve, develop and diffuse Indian culture; post-graduate courses in Indology; colleges of arts, science and engineering, college of journalism, advertisement and printing; schools of music, dancing, dramatic art; 530 mems.; library of 65,000 vols.; Pres. Dr. K. M. Munshi, B.A., LL.B., D.LITT.; Vice-Pres. Sir H. V. Divatia, Mrs. Lilavati Munshi; Hon. Dir. Prof. J. H. Dave, M.A., LL.B.; Jt. Dir. and Exec. Sec. S. Ramakrishnan; publs. *Bharatiya Vidya* (quarterly), *Samvid* (Sanskrit quarterly), *Bhavan's Journal* (fortnightly), *Bharati* (Hindi fortnightly), *Samarpan* (Gujerati fortnightly), 7 volumes out of 10 of the *History and Culture of the Indian People*, and 52 research works under the *Singhi Jain Series*.

Deccan College Post-Graduate and Research Institute: Yeravda, Poona 6; f. 1939; post-graduate research in linguistics, history and sociology; library of 60,000 vols.; Chair. of Council of Management Prof. D. V. Potdar; Dir. Dr. S. M. Katre, M.A., PH.D.; joint Dir. Dr. H. D. Sankalia, M.A., LL.B., PH.D.; Registrar Sri T. R. Satakopan; Curator of Archaeological Museum Dr. Z. D. Ansari, M.A., PH.D.; Curator of Maratha History Museum Sri P. L. Saswadkar, M.A.; Librarian V. B. Belsare, M.A., DIP.LIB.; publs. *Quarterly Bulletin*, *Monograph Series*, *Dissertation Series*, *Sources of Indian Lexicography*, *Handbook Series*.

Ganganatha Jha Research Institute: Allahabad, U.P.; f. 1943; research into Sanskrit and other Oriental languages; 219 mems.; library of 8,000 vols., 8,000 manuscripts; Pres. Dr. S. Radhakrishnan, D.LITT.; Sec. MM. Dr. U. Mishra, M.A., D.LITT.; publ. *Quarterly Research Journal*.

Hyderabad Educational Conference: 19 Bachelors' Quarters, Jawaher Lal Nehru Road, Hyderabad, Deccan; f. 1913; to promote academic research, assist needy students and to further education in Andhra Pradesh, India; over 3,900 vols. in library; Pres. Mehdi Nawaz Jung Bahadur; Vice-Pres. Azamuddin, M.L.C.; Hon. Secs. V. Narayan Karan Reddy, Burhanuddin Hussain; publs. (in Urdu) *Proceedings of Public Sessions*, *Educational Annual*, theses on topics of academic interest.

Indian Institute of Advanced Study: Rashtrapati Nivas, Simla 5; f. 1965 to undertake post-doctoral research, especially in the humanities; library of 10,000 vols. and 500 periodicals; Dir. Prof. Niharranjan Ray; Registrar K. Venkataraman.

Islamic Research Association: 8 Shepherd Road, Bombay 8; f. 1933; Pres. Prof. A. A. A. Fyzee; Sec. S. S. Desnavi; publs. 12 vols. of research work on *Islamic Studies*.

Jammu and Kashmir Academy of Arts, Culture and Languages: Srinagar, Kashmir; f. 1958; to promote arts and languages of the State; Patron Sadri Riyasat Yuvraj Karan Singh; Chair. Bakshi Ghulman Mohamad.

K. R. Cama Oriental Institute and Library: 136 Apollo Street, Fort, Bombay; f. 1916; 150 mems.; 8,000 vols. and about 600 journals; Pres. Sir Rustom Masani, Kt.; Sec. J. C. Tarapore, M.A., LL.B. Advocate; Librarian K. P. Dastoor, M.A.; publ. *Journal*.

Kuppuswami Sastri Research Institute, The: Sanskrit College, Madras 4; f. 1944; promotion of Oriental learning; 300 mems.; library of 7,000 vols. (including palm-leaf manuscripts); Pres. Dr. S. Radhakrishnan; Secs. K. Balasubrahmanya Aiyer, A. Shan-Mukha Mudaliar, Dr. V. Raghavan; publ. *Journal of Oriental Research* (quarterly).

Mumbai Marathi Granth Sangrahalaya; Bombay; f. 1898; research in Marathi language and literature; Pres. S. K. Patil.

National Design Institute: Paldi, Ahmedabad 7; f. 1961; established by the Government of India with the aid of the Ford Foundation and the State of Gujarat as a research, training and service organisation in product design, industrial design, architectural planning, graphics and visual communication and allied fields; library of 9,000 vols.; Chair. Gautam Sarabhai; there are 12 instructors.

National Institute of Basic Education: 41A, 43 and 55 Friends Colony, New Delhi 14; f. 1956; carries out research, training of high-level personnel, production of literature and organisation of programmes, etc.; functions as a clearing-house for information on basic education in Indian and provides guidance on research; Dir. J. K. Shukla; publs. *Basic Education Abstracts* (bi-annual), *Buniyadi Talim* (bi-lingual quarterly) and occasional pamphlets, research monographs, etc.

Oriental Institute: Tilak Road, Baroda; f. 1915; library of 18,097 vols. on Indology and Sanskrit, MSS. library of 21,000 bundles; 10 mems.; publication office of the famous *Gaekwad's Oriental Series*, of which 126 have been edited or translated; Dir. Prof. B. J. Sandesara; publs. *S.R.G. Lecture Series*, *M.S. University Oriental Series* and *Archaeology Series*, *Prachina Gurjara Granthamala Journal*, *Critical and Illustrated Edition of Valmiki Ramayana*.

Oriental Research Institute: Mysore; library of 44,495 vols.; collection of 12,000 ancient MSS.; Dir. Sri. H. Deveerappa, M.A.

Sri Venkateswara University Oriental Research Institute: Tirupati, Andhra Pradesh; f. 1939; handed over by T. T. Devasthanams to Sri Venkateswara University on Nov. 1, 1956; research, particularly in Sanskrit and Telugu; Dir. Prof. K. Pampapathi Rao, M.A., PH.D.; publs. Institute *Journal*, and other treatises, including the *Glossary of Indian Philosophical Terms*, and *Bharata Kosa*, a dictionary of technical terms used in Sanskrit, treatises on Music, Dance and Dramaturgy.

Vishveshvaranand Vedic Research Institute: Sadhu Ashram P.O., Hoshiarpur; f. 1903; post-graduate teaching, research and study in Indology, including language, literature, philosophy, religion, history, arts, sciences, etc., and publication of books and journals; 3,000 mems.; library of 50,000 vols.; Pres. Justice Mehr Chand Mahajan; Sec. Diwan Harikrishna Das Darhiwala; Joint Sec. and Dir. Prof. Vishva Bandhu, M.A., M.O.L.; publs. *Vishva Jyoti* (cultural Hindi monthly); 250 research and general publs. issued so far.

Astronomy and Mathematics

Allahabad Mathematical Society: Lakshmi Niwas, George Town, Allahabad 2; f. 1958; 400 mems.; Pres. Prof. B. N. Prasad; Sec. Dr. S. R. Sinha; publ. *Indian Journal of Mathematics*.

Indian Institute of Astronomical and Sanskrit Research: New Delhi; f. 1959; to promote study and research on ancient Indian systems of astronomy, meteorology and other subjects, including astrology.

Biology

Birbal Sahni Institute of Palaeobotany: 53 University Road, Lucknow; f. 1946; research on fossil plants in its purely scientific aspects and its application to problems of economic geology; coal and petroleum prospecting; library of 3,500 vols., 16,500 reprints and 146 microfilms, etc.; Hon. Dir. Mrs. Savitri Sahni; Officer-in-Charge Dr. K. R. Surange; publs. *Palaeobotany in*

India, Sir Albert C. Seward Memorial Lectures, The Palaeobotanist.

Botanical Survey of India: 14 Madan Street, Calcutta 13; f. 1890; botanical and ecological surveys and researches; Dir. Dr. H. SANTAPU, S.J.; Central National Herbarium and Industrial Section, Indian Museum at Calcutta and Central Botanical Laboratory at Allahabad; regional circles at Allahabad, Poona, Coimbatore, Shillong and Dehra Dun; publs. *Bulletin of the Botanical Survey of India: Bobsi* (quarterly), Records and Reports, Indian Floras.

Indian Association of Systematic Zoologists: c/o Zoological Survey of India, 34 Chittaranjan Avenue, Calcutta 12; f. 1947; Pres. Dr. M. L. ROONWAL.

Institute of Plant Industry: Indore, Madhya Pradesh; f. 1924; research in cotton genetics, and in crop improvement of cotton and rotation crops; Dir. RAI BAHADUR R. L. SETHI, I.A.S. (Retd.), M.SC., B.SC. (Edin.).

Zoological Survey of India: 34 Chittaranjan Avenue, Calcutta 12; f. 1916; activities include maintenance of national collections, field surveys and research; library of about 34,690 vols., 857 periodicals; Dir. (Vacant); publs. *Records of the Zoological Survey of India* (quarterly), *Memoirs of the Zoological Survey of India, Annual Reports of the Zoological Survey of India, Fauna of India, Bibliography of Indian Zoology.*

GEOLOGY

Geological Survey of India: 27 Chowringhee Road, Calcutta; f. 1851; devoted to study of geology, geophysics, ground water, engineering geology, mineral resources, exploration and research; Dir.-Gen. Dr. B. C. ROY, B.SC., A.I.S.M., M.SC., D.I.C., DR.ING.; publs. Records, Memoirs, Bulletins, *Indian Minerals, Palaeontologia Indica.*

Mining, Geological and Metallurgical Institute of India: 29 Chowringhee Road, Calcutta 1; f. 1906; 1,240 mems.; Pres. Dr. A. G. JHINGRAN; Hon. Sec. Dr. S. K. SIRCAR.

MEDICINE, HEALTH, PSYCHOLOGY

All-India Institute of Medical Sciences: New Delhi; f. 1956; undergraduate and post-graduate training; research in all branches of medicine; clinics and hospital.

Central Drugs Laboratory: Govt. of India, 3 Kyd Street, Calcutta 16; f. 1937; standardisation and testing of drugs; Dir. Dr. D. GHOSH, M.SC., PH.D.(WIS.), F.R.I.C.

Central Research Institute: Kasauli, Punjab; f. 1905; Biological Product Manufacturing and Medical Research Institute of the Govt. of India; Acting Dir. Dr. A. K. THOMAS, M.B.B.S., D.B. (MANCH.); publs. *Indian Journal of Medical Research* and *Annual Report.*

Haffkine Institute: Parel, Bombay 12; f. 1896; principal centre of research in medical and allied sciences in India; library of 25,000 vols.; Dir. Dr. H. I. JHALA, M.D., F.C.P.S., D.T.M.; Depts.: Bacteriology, Biochemistry, Chemotherapy, Clinical Pathology, Entomology, Immunology, Pharmacology, Virology (including Rabies), and a Blood Bank each with its staff of scientists; publs. *Annual Report* and papers in scientific journals.

Helminthological Society of India: 34 Chittaranjan Avenue, Calcutta 12; Pres. Prof. S. N. SINGH; Treas.-Sec. Dr. B. S. CHAUHAN; publ. *Indian Journal of Helminthology* (bi-annual).

Indian Cancer Research Centre: Parel, Bombay 12; National Research Prof. Dr. V. R. KHANOLKAR, B.SC.(LOND.), M.D.(LOND.), HON. F.R.C.P.(EDIN.), HON. LL.D.(MEL.), HON. D.M.S.(PERUGIA), M.D.; Acting Dir. Dr. (Mrs.) KAMAL J. RANADIVE, M.SC., PH.D.

Indian Council of Medical Research: Medical Enclave, Ansari Nagar, New Delhi; f. 1911; assists in financing medical research; controls the Nutrition Research Laboratories, Hyderabad, and the Virus Research Centre, Poona; Pres. Dr. SUSHILA NAYAR; Dir. Dr. B. L. TANEJA, M.B.B.S., M.R.C.P., D.T.M. & H.; Chair. Scientific Advisory Board K. N. RAO; Dir.-Gen. of Health Services; Gov. Body of 18 mems.; Scientific Board of 16 mems.; publs. *Indian Journal of Medical Research,* Annual Reports of the Council, Special Reports.

Indian Veterinary Research Institute: Izatnagar, Bareilly; Dir. M. R. DHANDA, L.V.P., M.S., DIP.BACT.

Institute of Child Health: 95 Dilkhusa Street, Calcutta 17; f. 1953; Department of Child Health, University College of Medicine, Calcutta University; Dir. Dr. U. C. CHAKRABORTY; following are the departments in charge of a Professor or an Associate Professor: Clinical Pediatrics, Pediatric Surgery, Biochemistry, Radiology, Pathology, Preventive Pediatrics.

King Institute of Preventive Medicine: Guindy, Madras 32; f. 1903; 14,344 vols.; Dir. Dr. S. GOVINDARAJAN, M.D., D.B.; publ. *Annual Reports.*

Malaria Institute of India: 22 Alipore Road, Delhi; malaria and filaria research and control, training of medical officers, inspectors, entomologists and engineers; f. 1927; Dir. Dr. S. P. RAMAKRISHNAN, M.B.B.S., D.P.H., D.SC.(P.H.); Deputy Dirs. Dr. N. G. S. RAGHAVAN, B.A., M.B.B.S., Dr. A. K. KRISHNASWAMI, M.B.B.S., PH.D., publs. *Indian Journal of Malariology* (quarterly); Health Bulletins.

National Malaria Eradication Programme: 22 Alipore Road, Delhi; co-ordination, technical guidance and planning of a nation-wide eradication programme; f. 1958; Dir. Dr. A. P. RAY, M.B.B.S., PH.D.

National Tuberculosis Institute: Govt. of India, 'Avalon', 8 Bellary Road, Bangalore, 3; f. 1960; 222 mems.; training and control programme; Dir. D. R. NAGPAUL.

King Edward VII Memorial Pasteur Institute and Medical Research Institute: Shillong, Assam; f. 1917; maintained by Govt. of Assam; Dir, Dr. R. L. CUNVILLE, B.SC., M.B., A.M.S.

Pasteur Institute of Southern India: Coonoor (Nilgiris); f. 1907; 8080 vols.; work on virus diseases incl. rabies, influenza, adenoviruses, enteroviruses, pox group of viruses and general bacteriology; Dir. Dr. N. VEERARAGHAVAN, M.B., B.S., D.SC.; publ. *Annual Report.*

School of Tropical Medicine: Chittaranjan Avenue, Calcutta; f. 1920; research and teaching; Dir. Dr. R. N. CHAUDHURI (Tropical Medicine), Dr. H. N. RAY, Dr. A. K. MUKHERJEA (Photozoology), Dr. D. BARUA (Bacteriology), Dr. S. M. GHOSH (Entomology), Dr. R. N. CHAKRAVARTY (Chemistry), Dr. P. C. SEN GUPTA (Pathology), Dr. J. B. CHATTERJEA (Haematology), Dr. R. L. NATH (Biochemistry), Dr. M. L. CHATTERJEE (Pharmacology), Dr. A. B. CHOWDHURY (Helminthology), Dr. D. LAHIRI (Dermatology), Dr. S. R. BOSE (Medical Mycology), Dr. J. K. SARKAR (Virology), Dr. N. MUKHERJEE (Leprosy), Dr. S. N. CHATTERJEE (Biophysics).

Yoga Institute, The: Santa Cruz, Bombay 55; f. 1918 to promote self-education, physical, mental, moral and psychic, aided by the science of Yoga; to conduct academic and scientific research in Yoga culture and technique; publs. *Yoga Studies, Yoga: Journal of the Yoga Institute* (monthly), and other literature.

METEOROLOGY, ASTRONOMY

Alipore Observatory and Meteorological Office: Calcutta; f. 1877; publ. *The India Meteorological Department.*

Astronomical Observatory: Presidency College, Calcutta; f. 1898; Dir. Dr. N. L. GHOSH.

Astronomical Observatory of St. Xavier's College of the University of Calcutta: 30 Park Street, Calcutta; f. 1875; Dir. Rev. F. GOREUX, S.J.

Astrophysical Observatory: Kodaikanal, S. India; f. 1898; 110 staff; 13,800 vols.; specialises in the study of solar physics, stellar physics and radio-astronomy; Dir. Dr. M. K. Vainu Bappu, A.M., M.SC., PH.D., F.R.A.S., F.A.SC.; publs. *Bulletin*, *Annual Report*.

Central Seismological Observatory: Shillong; headquarters at New Delhi.

Colaba and Alibag Observatories: Colaba (f. 1841) and Alibaf (f. 1904); deal mainly with terrestrial magnetism and atmospheric electricity; Dir. S. L.M alurkar; Asst. Meteorologist A. J. Shirgaokar.

Gulmarg Research Observatory: Gulmarg, Kashmir; f. 1951; studies cosmic rays, meteorology, atmospheric electricity, infra-red spectroscopy and radioactivity; sponsored jointly by the universities of Jammu and Kashmir and Aligarh; Officer-in-Charge Dr. M. K. Khera, PH.D.; Dir. Prof. P. S. Gill, PH.D., F.N.I.

Indian Meteorological Department: Lodi Road, New Delhi 3; f. 1876; headquarters and office of Deputy Dir.-Gen. of Observatories (Instruments); the offices of the Deputy Dir.-Gen. of Observatories (Forecasting and Climatology and Geophysics) are located at Poona; the scientific activities of the department cover research in all branches of meteorology, including agricultural and hydrological meteorology, terrestial magnetism, atmospheric electricity, seismology, astrophysics including solar physics, stellar astronomy and radio-astronomy; a Northern Hemisphere Analysis Centre and Exchange Centre at New Delhi and the Institute of Tropical Meteorology located at Poona, have recently been started; Dir.-Gen. P. R. Krishna Rao, B.SC., F.A.SC., FR.MET.SOC.; publs. *Indian Ephemeris and Nautical Almanac*, *Indian Journal of Meteorology and Geophysics* (quarterly), *Indian Weather Review* (annual), *Memoirs*, *Seismological Bulletin* (monthly), *Kodaikanal Bulletin*, *Colaba Magnetic Data* (annual).

Regional Meteorological Offices: these all issue daily weather reports:

Calcutta (Alipore): f. 1877; Dir. A. K. Roy, B.SC., B.A.

Bombay (Colaba Observatory): f. 1847; library of 6,400 vols.; Dir. J. M. Sil, B.A.

Nagpur (New Colony): f. 1894; Dir. Dr. S. Mull, M.SC., PH.D., D.I.C.

Madras (Naksahwa Bungalow, College Road): f. 1792; Dir. Dr. S. R. Savur, M.A., PH.D.

National Institute of Practical Psychology: Sunama House, Malabar Hill, Bombay; Dir. Dr. Jal Dastar C. Pavry.

Nizamiah Observatory: Begumpet, Hyderabad-16, Andhra Pradesh; f. 1908, transferred to control of Osmania Univ. 1919; library of 18,000 vols., 2,100 periodicals; Dir. Prof. R. V. Karandikar, M.SC., PH.D., F.R.A.S.; publ. *Astronomical*.

Observatory of Geodesy and Geophysics: Geodetic and Research Branch, Survey of India, Dehra-Dun; f. 1800; Dep. Dir. Lt.-Col. K. L. Khosla, B.SC., B.E.(CIVIL), A.M.I.E.(IND.), M.A.S.C.E.(U.S.A.); publ. *Reports*.

Philosophy, Politics

Gokhale Institute of Politics and Economics: Poona 4; f. 1930; study and research concerning economic and political problems, training of research workers; 35 teaching and administrative staff, 25 research assistants and 35 research fellows; library of 102,985 vols., 807 periodicals; Dir. Prof. D. R. Gadgil, Joint Dirs. Prof. V. M. Dandekar and Prof. N. V. Sovani; Head Applied Statistics Section Prof. A. R. Kamat; Registrar Shri D. P. Apte; publs. *Arthavijnana* (quarterly), and others.

Indian Institute of Philosophy: Amalner (E. Khandesh); f. 1916; comparative study of Indian and European philosophy; 12 mems.; library of 4,500 vols.; publs. *English Language Quarterly*, *Philosophical Quarterly*. 6 fellowships awarded yearly for research.

Public Administration and Social Science

Indian Institute for Population Studies: Gandhinagar, Madras 20; Dir. Dr. S. Chandrasekhar.

Indian Institute of Public Administration, The: Indraprastha Estate, Ring Road, New Delhi 1; f. 1954 to promote the study of public administration; research on the working of government machinery; training courses; library; publications on Indian administration; quarterly organ: *The Indian Journal of Public Administration*; Editor L. P. Singh; Dir. J. N. Khosla.

Tata Institute of Social Sciences: Chembur, Bombay; f. 1936; teaching and research in social sciences, social work and allied problems; Dir. Dr. M. S. Gore; publ. *Indian Journal of Social Work* (quarterly).

UNESCO Research Centre on Social and Economic Development in Southern Asia (formerly *UNESCO Research Centre on the Social Implications of Industrialisation in Southern Asia*, Calcutta): University Enclave, Delhi, 7; 12 countries in South and South-East Asia receive assistance in social science research and documentation; Acting Dir. Leslie Palmier; Assoc. Research Officer Moehamed Slamet; publs. *Research Information Bulletin: South Asia Social Science Bibliography* (annual).

Science

Bose Research Institute: 93/1 Acharya Prafulla Chandra Road, Calcutta 9; f. 1917; research in biology, cytogenetics, mutation, physiological genetics, antibiotics, biochemistry, chemistry of plant products, physical- and radio-chemistry, radiation and nuclear physics; experimental stations at Falta and Shamnagar and a high-altitude laboratory at Darjeeling; Dir. D. M. Bose, M.A., PH.D., F.N.I.; Registrar N. Das Gupta, B.SC., B.L.; publs. *Transactions*, *Annual Reports*, *Memorial Lecture*.

Indian Association for the Cultivation of Science (I.A.C.S.): Jadavpur, Calcutta 32; f. 1876; 492 mems.; library of 16,563 vols.; Pres. R. P. Mukherjee, M.A., B.L.; Dir. Prof. K. Banerjee, D.SC., F.N.I.; Registrar S. N. Sen, M.SC.; Profs. S. C. Sirkar, D.SC., F.N.I., S. R. Palit, D.SC., F.R.I.C., B. N. Srivastava, D.SC., F.N.I., A. Bose, D.SC., F.N.I., D. Basu, PH.D., P. C. Dutta, D.SC., N. K. Dutta, D.SC.; Librarian K. Bhattacharyya, B.SC.(HONS.), DIP.LIB.; publs. *Indian Journal of Physics*, bulletins and special publications.

Indian Institute of Science: Bangalore 12, S. India; f. 1909; 9 Fellowships, 10 Hon. Fellowships, 350 Associateships; 5 memberships; 490 Certificates of Proficiency, 1,101 Diplomas and 1,178 Degrees; Dir. Dr. S. Dhawan, PH.D.; Registrar S. S. Prabhu, B.A., B.L.; Librarian B. V. Raghavendra Rao, D.SC.; 101,500 vols.; publ. *Journal of the Indian Institute of Science*.

Institute of Science: Mayo Road, Fort, Bombay; f. 1920; awards 12 Scholarships, 12 Fellowships, 10 Sir Currimbhoy Ebrahim Scholarships for Maharashtra Prov. Mohammedan students, plus Govt. open merit and special Scholarships; Principal Dr. D. V. Bal, M.SC., PH.D.; Librarian Miss D. S. Gidvani, M.A., B.SC., DIP.LIB.; staff of 14 professors, 5 lecturers, 6 research assistants, 7 demonstrators; publ. *Magazine* (half-yearly).

Physical Research Laboratory: Ahmedabad; f. 1947; centre for postgraduate studies leading to Ph.D. degree by research in experimental and theoretical physics; five depts. atmospheric physics including theoretical

astrophysics; Dir. Dr. V. A. SARABHAI, M.A., PH.D. (CANTAB.), F.A.SC., F.N.I., Joint Dirs. Dr. VIKRAM A. SARABHA, PH.D., F.A.SC.

Raman Research Institute: Hebbal P.O., Bangalore 6; Dir. Sir C. V. RAMAN.

Saha Institute of Nuclear Physics: 92 A. P. Chandra Road, Calcutta 9; f. 1951; mems.: 116 research, 114 technical, 82 admin.; library of 12,716 books and 8,407 journals; research and teaching in nuclear science; Dir. B. D. NAG, M.SC., PH.D.

Tata Institute of Fundamental Research: Colaba, Bombay 5; f. 1945; fundamental research in nuclear science and in mathematics; national research centre of the Government of India; Dir. Dr. H. J. BHABHA, F.R.S.

STATISTICS

Indian Statistical Institute: 203 Barrackpore Trunk Road, Calcutta, 35; f. 1931; research and training for Statistician's Diploma and Computer's Certificate, B.Stat. and M.Stat. degree courses; maintains international statistical education centre, and specialised library; Pres. C. D. DESMUKH; Chair. D. N. MITRA; Sec. Prof. P. C. MAHALANOBIS; publ. *Sankya, The Indian Journal of Statistics*.

TECHNOLOGY

Council of Scientific & Industrial Research: Rafi Marg, New Delhi; 1942; the thirty national research laboratories described below have been established under the Council, which is itself responsible to the Ministry of Education, Department of Scientific Research; Pres. LAL BAHURDUR SHASTRI; Vice-Pres. M. C. CHAGLA; Dir.-Gen. Dr. S. HUSAIN ZAHEER; Sec. A. K. MUSTAFY; publs. *Science Reporter and Technical Manpower Bulletin* (monthly). *Information Newsletter* (quarterly).

National Physical Laboratory of India: Hillside Road, New Delhi, 12; f. 1950; fundamental and applied research in physics; maintenance of standards; testing; Dir. Dr. A. R. VERMA, M.SC., PH.D. (LOND.)

National Chemical Laboratory of India: Poona 8; f. 1950; physical, inorganic, organic, plastics and polymer chemistries; biochemistry; chemical engineering research and development; Dir. Dr. K. VENKATARAMAN, M.A., M.SC., PH.D.

National Metallurgical Laboratory: Jamshedpur; f. 1950; ore dressing, production, physical and chemical metallurgy; Dir. Dr. B. R. NIJHAWAN, PH.D.; publ. *NML Technical Journal*.

Central Fuel Research Institute: P.O. F.R.I., Dhanbad, Bihar; f. 1950; survey of coal resources; coal carbonisation and by-products; liquid and gaseous fuels; six regional coal survey stations; Dir. Dr. A. LAHIRI, M.SC., PH.D., D.I.C.; publ. *FRI News* (quarterly).

Central Glass and Ceramic Research Institute: Jadavpur, Calcutta, 32; f. 1950; fundamental and applied research on glass and ceramics; refractories; optical glass; technical assistance to the industry, testing and standardisation; Dir. Dr. ATMA RAM, D.SC., F.N.I.; publs *C.G.C.R.I. Bulletin* and *Technical Information Letters of C.G.C.R.I.* (quarterly).

Central Food Technological Research Institute: Cheluvamba Mansion, Mysore; f. 1950; food processing; food conservation and preservation; nutritional, dietetic, technological and biochemical studies; microbiology, packaging, quality control and engineering aspects of food technology; information, statistics and extension services, Dir. Dr. H. A. B. PARPIA, M.SC., PH.D.; publs. *Ahara Vinjana* (Kannada quarterly), *Khadya Vigyan* (Hindi quarterly), and others.

Central Drug Research Institute: Chattar Manzil Palace, Lucknow; f. 1951; biochemical, pharmacological, chemical, microbiological, biophysical and medical research; Dir. Dr. M. L. DHAR, M.SC., PH.D. (LOND.), F.R.I.C.; publ. *Classified List of Current Scientific Literature* (monthly).

Central Electrochemical Research Institute: Karaikudi, Madras; f. 1953; electrochemical and allied research; Dir. Prof. K. S. G. DOSS, D.SC., F.R.I.C., F.INST.P., F.A.SC., F.N.I.

Central Leather Research Institute: Adyar, Madras-20; f. 1953; all aspects of leather research; Dir. Dr. Y. NAYUDAMMA, M.S., PH.D.; publ. *Leather Science* (monthly), *Thol Vigyan* (Tamil, quarterly).

Central Building Research Institute: Roorkee; f. 1953; engineering and structural aspects of building and human comforts in relation to buildings; Dep. Dir.-in-Charge SHII DINESH MOHAN, C.E.(HONS.), M.I.E., M.A.S.C.E., A.M.I.C.E.; publs. *Building Digests* (monthly), *C.B.R.I Abstracts* (quarterly).

Central Road Research Institute: P.O. CRRI, New Delhi; f. 1952; research in all aspects of road building and traffic flow; Dir. S. R. MEHRA, M.I.E., M.I.C.E., F.N.I.; publs. *Road Research Papers, Road Research Notes, Road Research Monographs. CRRI-Road Abstract.*

National Botanic Gardens: Lucknow; f. 1953; botanical and horticultural research; plant chemistry; introduction of medicinal, fibre-yielding and essential oil-bearing plants; Dir. Dr. L. B. SINGH, PH.D.

Central Salt and Marine Chemicals Research Institute: Bhavnagar; f. 1954; preparation of high-purity edible salt and various grades of salt for consumer and industrial purposes; investigations into the exploitation of bittern, inland lake bittern, subsoil saline earths, etc.; Dir. Dr. D. S. DATAR, M.SC., PH.D.; publs. *Salt Research and Industry* (quarterly).

Regional Research Laboratory: Hyderabad; f. 1956; the first regional laboratory under the Council of Scientific and Industrial Research; research on utilisation of regional raw materials and development of industries; physical, analytical and organic chemistry; chemical engineering; heavy chemicals and fertilisers; ceramics, essential oils; Dir. Dr. G. S. SIDHU, M.SC., PH.D. (LUCKNOW).

Indian Institute for Biochemistry and Experimental Medicine: 4, Raja S.C. Mullick Road, Jadavpur, Calcutta 32; f. 1956; fundamental and applied research on nutritional, biochemical and microbiological problems of medicine; Dir. Dr. S. H. ZAIDI, M.B., B.S., D.C.P., PH.D.

Central Mining Research Station, Council of Scientific and Industrial Research: Dhanbad, Bihar; f. 1956; research on safety, health and efficiency in mining; Officer on Special Duty, Dr. K. N. SINHA, B.SC., M.I.MIN.I.(LOND.), PH.D.

Central Electronics Engineering Research Institute: Pilani, Rajasthan; f. 1953; Design and construction of electronic equipment, components and test equipment. Dep. Dir. Dr. AMARJIT SINGH, M.SC., M.E.PH.D.; publ. *CEERI Newsletter* (quarterly).

Birla Industrial & Technological Museum: 19, Gurusaday Road, Calcutta-19; f. 1959; portrayal of recent advances in science and technology and their application to industry and human welfare, through suitable static and working models, posters, diagrams and charts; Officer-in-charge S. K. BAGCHI.

Regional Research Laboratory: Jammu & Kashmir; f. 1957; drug and medicinal plants; introduction of exotic plants, particularly from temperate zones; plant chemistry, extraction and processing of drugs; Dir. Dr. K. GANAPATHI, M.SC., D.SC., F.N.I.

Central Mechanical Engineering Research Institute: Mahatma Gandhi Avenue, Durgapur; f. 1958; materials, mechanisms and machines; heat engines and heat transfer; designs and production; Dir. M. M. Suri.

Central Public Health Engineering Research Institute: Nagpur; f. 1958; chemical, biological and microbiological research; instrumentation and field investigations; Dir. R. S. Mehta, B.E., M.C.E., F.AM.S.C.E., M.I.E.; publ. *Environmental Health.*

National Aeronautical Laboratory: Jaya Mahal Road, Bangalore 1; f. 1959; scientific investigations of the problems of flight with a view to their practical application to the design, construction and operation of aircraft in India; Officer on Special Duty: K. G. Krishnamurthy.

Regional Research Laboratory: P.O. Jorhat, Assam; f. 1959; research on raw materials of the region comprising the State of Assam and the surrounding N.E.F.A., Manipur, Tripura and Dooars and other regional needs posing special problems; Dr. M. S. Iyengar, M.SC., PH.D.

Central Indian Medicinal Plants Organisation: 4 Sapru Marg, Lucknow; f. 1959; co-ordination of activities in the development of cultivation and utilisation of medicinal plants on organised basis. Officer-in-charge Dr. B. N. Mitra, B.SC., PH.D.

Central Scientific Instruments Organisation: CSIR Buildings, Rafi Marg, New Delhi 1; f. 1959; promotion and development of indigenous manufacture of scientific instruments for teaching research, industry and essential services. Dr. P. S. Gill, M.SC., PH.D.

Indian Institute of Petroleum: Dehra Dun (temporarily located in Central Road Research Institute, New Delhi); f. 1960; research in petroleum refining and processing of natural gas, petro-chemicals, etc.; Dir. Dr. M. G. Krishna, PH.D.

National Geophysical Research Institute: Hyderabad; f. 1961; correlation of the field data in all fundamental aspects of geology and geophysics with laboratory investigations and theoretical studies; Dir. Dr. Hari Narain, M.SC., PH.D.; publ. *Geophysical Digest and Bulletin of National Geophysical Research Institute, Hyderabad* (quarterly).

Indian Ocean Expedition: New Delhi; f. 1962; research on various aspects of physical, biological, geological, and chemical oceanography, including prospecting for petroleum and minerals in sea bed; Dir. N. K. Panikkar; D.SC.; publ. *International Indian Ocean Expedition Newsletter* (quarterly).

Structural Engineering Research Centre: Roorkee; f. 1965; research in specialised design and development work in structural problems connected with buildings, bridges and other structures; Dir. Prof. G.S. Ramaswamy, B.E., M.S., C.E. (CALIF.).

Regional Research Laboratory (under planning): Bhubaneswar; research in problems relating to the industry and raw materials of the region; Dir. G. S. Chowdhury, B.SC.ENG., M.I.I.C.E.

National Biological Laboratory (under planning): Palampur, Punjab; fundamental and applied research in modern aspects of biological sciences.

Vesvaraya Industrial and Technological Museum: Bangalore; f. 1962; a museum to depict scientific and technological advancement; Officer-in-charge Shri A. Bose.

Mafatlal Scientific and Technological Museum (under planning): a museum to depict scientific and technological advancement.

Publication and Information Directorate: Hillside Road, New Delhi; f. 1951; collection and dissemination of scientific information; Scientist-in-Charge S. B. Deshaprabhu; publs. *Wealth of India, Journal of Scientific and Industrial Research, Indian Journal of Chemistry, Indian Journal of Pure and Applied Physics, Indian Journal of Technology, Research and Industry, Vigyan Pragati* (monthly), *Indian Journal of Experimental Biology, Indian Journal of Biochemistry* (quarterly), *C.S.I.R. News* (fortnightly), Bulletins, Monographs, Symposia Proceedings, Annual Reports, etc.

Indian National Scientific Documentation Centre: Hillside Road, New Delhi; f. 1952; to provide full range of documentation and translation services; Dir. B. S. Kesavan, M.A.; publs. *Indian Science Abstracts* (monthly) *Annals of Library Science and Documentation* (quarterly), *Insdoc List of Current Scientific Literature* (fortnightly).

Central Water and Power Research Station: P.O. Khadakwasla Research Station, Poona; f. 1937; field station at Khadakwasla; 21 divisions: Hydraulics, High-head Structures, Floods, Tidal Hydraulics, Ports and Harbours, Ship Testing and Instrumentation, Concrete, Statistics, Mathematics, Physics, Soil Chemistry, Photoelasticity Earthquake Engineering Research, Geophysics, Rock Mechanics, Computer, Model Engineering, Hydraulic Analysis and Prototype Testing, Coastal Erosion Cell, Instrumentation Cell, Stable Channel Cell, Cavitation, River and Canals Hydraulics; 15,000 vols.; Dir. C. V. Gole; publ. *Annual Research Memoirs.*

Forest Research Institute: New Forest, Dehra-Dun, U.P.; f. 1906; 1,277 mems.; 60,000 vols.; Pres. R. N. Datta, I.F.S.; 8 divisions, 3 colleges; publ. *Annual Reports*, etc.

Indian Lac Research Institute: Namkum, Ranchi, Bihar, f. 1924; chemical and entomological sections; 54 mems.; including Dir. and 25 research workers; about 6,730 vols.; Dir. Dr. P. K. Bose; publs. *Research Bulletins, Technical Notes, Research Notes, Annual Reports,* books, etc.

Institute of Radiophysics and Electronics: 92 Acharya Prafulla Chandra Road, Calcutta; f. 1949; houses postgraduate teaching and research dept. of Univ. of Calcutta Faculty of Technology; 3-year course leading to M.TECH. degree in radio physics and electronics; research facilities in ionosphere, radio wave propagation, electronic circuitry and computers, maintains ionosphere field station at Haringhata; Dir. Prof. J. N. Bhar, D.SC., F.N.I.; publ. annual research reports.

Railway Testing and Research Centre: Ministry of Railways, Government of India, Alambagh, Lucknow; f. 1952; Dir. T. A. Rao; maintains a specialised Library and Information Service for Indian Railways; publs. *Indian Railway Technical Bulletin* (quarterly), *Documentation Notes* (monthly), *Technical Papers* (occasional), *Technical Monographs* (occasional), *Research Reports, Annual Reports.*

Technological Laboratory, Indian Central Cotton Committee: Matunga, Bombay; f. 1924; Dir. Dr. R. L. N. Iyengar, D.SC., F.T.I.; 8 Scientific Officers; publs. *Technological Bulletins, Series A* (117 issued), Series B (102 issued), *Technological Leaflets* (77 issued).

The following four Research Institutes are maintained by the Directorate of Industries, Govt. of West Bengal:

Bengal Ceramic Institute: Calcutta, 10; f. 1941.

Bengal Textile Institute: Serampore; f. 1904.

Berhampore Textile Institute: Berhampore; f. 1925.

Industrial Research Laboratory and Bengal Tanning Institute: Calcutta; f. 1919.

LIBRARIES

NOTE.—There are more than 1,100 libraries in India, of which over half are attached to universities and colleges; details of some of the latter will be found under the entries in that section. The National Library (details below) is in Calcutta and the National Archives of India are in New Delhi. Public libraries number about 250 and 110 libraries are attached to Central Ministries, to government offices or to State Departments. A selection of the more established libraries is listed below:

Allahabad Public Library: Allahabad; f. 1864; 60,566 vols.; Librarian G. D. SHARMA.

Amir-ud-Daula Government Public Library: Jaikashbagh, Lucknow; f. 1910; 43,887 vols.; Librarian K. KUMAR, B.A., LL.B., D.L.SC.

Andhra Sahitya Parishat (*Telugu Academy*): Kakinada Andhra State, Madras; f. 1911; library of nearly 6,000 MSS. and 7,000 vols. in Telugu, Sanskrit and English; Pres. Sri BANDARU THAMMAYYA.

Baghbazar Reading Library: 2, K.C. Bose Road, Calcutta 4; f. 1883; 35,200 vols.; Librarian MANINDRA NATH DAS.

Bangalore Public Library: Cubbon Park, Bangalore 1, Mysore; f. 1914; 34,481 vols.; Librarian V. VEDARATNA, B.SC., B.T., DIP.LIB.SC.

Bharata Itihasa Samshodhaka Mandala Library: 1321 Sadashiva Peth, Poona, 2; f. 1910; 13,000 vols.

Central Library: Baroda; f. 1910; 156,933 vols.; State Librarian H. J. UPADHYAYA, B.A., DIP. LIB.

Central Secretariat Library: New Delhi; Librarian NARAYAN M. KETNAR.

Connemara (State Central) Public Library: Egmore, Madras 8; f. 1896; deposit library from 1954 for all Indian publications; also for UNO and UNESCO publications; 173,927 vols.; Librarian V. THILLAINAYAGAM, M.A., M.L.S., B.T.

Delhi Public Library: S. P. Mukerji Marg, Delhi, 6; f. October 1951 in association with UNESCO; established as a model for public library development in south-east Asia; consists of children's department, reference section, lending library and a social education and extension service and a Braille section; 6 branches in New Delhi; over 200,000 vols. in English, Urdu, Punjabi and Hindi; serves 300,000 people a month; Dir. D. R. KALIA.

Ewing Memorial Library: Forman Christian College, Lahore 16; f. 1866; 57,500 vols.; Librarian Mrs. E. MELLORS.

Gauthami Library: Rajahmundry, Andhra Pradesh; f. 1898; research library of 65,000 vols.; Pres. Sri VADREVU BAPIRAJU, B.A., B.L.; Gen. Sec. B. B. G. TILAK.

Gujarat Vidyapith Granthalaya Library: "Gandhi Bhavan", Ahmedabad 14; f. 1920; 129,600 vols.; Librarian C. P. BAROT, Deputy Librarian D. N. SHUKLA.

Historical Archives of Goa: Panjim, Goa; f. 1932; Dir. VITHAL TRIMBAK GUNE.

Indian Council of World Affairs Library: Sapru House, New Delhi, 1; f. 1950; research collections on international affairs, law and Asian studies; over 75,000 vols., 1,100 periodicals and 100,000 documents; Press library; departments of maps and documents; Librarian GIRJA KUMAR; publs. *Select Articles on Current Affairs* and *Documents on Asian Affairs: Select Bibliography* (annual).

Indian Institute of World Culture Library: 6 Shri B.P. Wadia Road, Basavangudi, Bangalore 4; f. 1945; 20,000 vols.; Librarian M. JACQUES DEDEYN.

Indian National Scientific Documentation Centre (INSDOC): Hillside Road, Delhi 12; f. 1952; national depository for scientific reports and periodicals; supplies information to scientists and engineers through a periodical bulletin, compiles bibliographies; photocopies or translations of articles, etc.; trainee department; makes national scientific work known and available throughout the world; Dir. B. S. KESAVAN; Senior Documentation Officers S. PARTHASARATHY, S. DATTA, A. KRISHNAN, T. S. RAJAGOPALAN, T. N. RAJAN, A. S. RAIZADA; National Science Library being organised; publs. *INSDOC List of Current Scientific Literature* (semi-monthly), *Annals of Library Science and Documentation, Indian Science Abstracts* (proposed).

Jamia Library: Jamia Millia, Islamia, P.O. Jamia Nagar, New Delhi 25; f. 1902; 21,875 vols.; Librarian NABI AHMAD.

Jamia Nizamial Library: Hyderabad; f. 1875; 25,000 vols

Jamsetjee Nesserwanjee Petit Institute Library: Bombay; f. 1856 as "Fort Improvement Library"; moved 1898 to own building; 80,000 vols.; Librarian M. K. MOWDAVALA, B.A., LL.B., A.L.A.

Karvir Nagar Wachan Mandir Library: Kohlapur, Madras State; f. 1850; 30,000 vols.; children's library.

Khudabux Library: Patna, Bihar; contains rare MSS. in Arabic and Persian, many illuminated.

Madras Government Oriental Manuscripts Library: Chepauk, Madras 5; f. 1782; contains rare and important collection of MSS. in Sanskrit and South Indian languages; 16,686 vols.; Curator R. K. PARTHASARATHI, M.A., L.T.; publs. *Bulletin*, catalogues, etc.

Madras Literary Society Library: Madras; f. 1812; 100,974 vols.; Librarian C. N. RAMAKRISHNA IYER, B.A.

Mumbai Marathi Granth Sangrahalaya: Bombay; f. 1898, 26,715 vols.; Librarian B. D. SATOSKAR, B.A., DIP.LIB

National Archives of India: New Delhi; f. 1891; more than 100,000 vols.; Dir. K. D. BHARGAVA, M.A.; Dep. Dir. S. ROY, M.A.; Asst. Dirs. Dr. S. V. DESIKACHAR, M.A., D.PHIL., R. C. GUPTA, M.SC., A. I. TIRMIZI, M.A., Miss D. G. KESWANI, M.A., B.T., U. N. SARKAR, M.A.; Librarian H. R. RAMACHANDRA, M.A., DIP.LIB.SC.; publ. *Indian Archives*.

National Library: Belvedere, Calcutta 27; f. 1902; by the amalgamation of the Calcutta Public Library and the Imperial Library; depository and research library; over 1,200,000 vols., 9,255 maps, 2,608 MSS.; Librarian Y. M. MULAY, M.A., F.L.A.; publs. *India's National Library, General Collection Author and Subject Catalogues, Annual Reports*, etc.

Nilgiri Library: Ootacamund; f. 1859; 28,200 vols.

Panjab University Extension Library: Civil Lines, Ludhiana, Panjab; f. 1960; serves educational institutions within a radius of 30 miles; 36,890 vols.; Librarian S. S. LAL; publ. *Indian News Index*.

Rammohun Library: 267 Acharya Prafulla Chandra Road, Calcutta, 9; f. 1905; 20,800 vols.; Librarian R. BHATTACHARYA, M.A.

Sheth Maheklal Jethabhai Pustakalaya (Free Public Library): Ellis Bridge, Ahmedabad, 6; f. 1937; 70,000 vols.; Librarian M. M. PATEL, M.A., DIP.LIB.SC.

Shrimati Radhika Sinha Institute and Sachchidananda Sinha Library (*State Central Library, Bihar*): P.O. Box 62, Patna; f. 1924; 57,740 vols.; Librarian P. N. GOUR.

State Central Library: Hyderabad 12, A.P.; f. 1891; 155,165 vols.; 16,992 manuscripts; Librarian T. VENKATA RAMANAYYA, M.A., LL.B., DIP.L.SC.

Trivandrum Public Library: Trivandrum, Kerala State; f. 1847; 75,000 vols.; Librarian M. M. JOHN, M.S., M.S.L.S.

MUSEUMS

Museums Association of India: Elphinstone College Building, Bombay, 1; f. 1943; practically all museums in India are members of the association; 500 vols. in library; Pres. KHWAJA MUHAMMAD AHMAD, M.A., LL.B.; Sec. Dr. P. M. JOSHI; publ. *Journal of Indian Museums.*

Archaeological Museum Mathura: Mathura, U.P.; f. 1874; approx. 10,000 exhibits, mostly of Kushana and Gupta period; Curator Dr. N. P. JOSHI; publs. *Museum Catalogue, Museum Handbook, Mathura, Archaeology in U.P.*, Consolidated Report on the working of the Museum, April 1st, 1955-March 1959.

Archaeological Museum: Nagarjunakonda, Guntur District, Andhra Pradesh; pre-historic and historical antiquities, mainly sculptures; Buddhist and Hindu ruins on the site.

Assam State Museum: Ganhati, Assam; f. 1940; Curator Shri P. D. CHAUDHURY, M.A., B.L.; Asst. Curator Shri M. C. DAS, M.A.; publ. *Ancient Treasures of Assam.*

Baroda Museum and Picture Gallery: Baroda 5; f. museum 1894 and picture gallery 1920; Indian archæology: prehistoric and historic; Indian art: ancient, medieval and modern; numismatic collections; modern Indian paintings; industrial art; Asiatic and Egyptian collections; Greek, Roman, European civilisations and art; European paintings; ethnology, zoology, geology, economic botany, Dir. V.L. DEVKAR; Keepers: B. L. MANKAD (Art and Historical Sections) P. G. GUPTE (Science Sections) Librarian S. G. KHANGIWALE; publs. *Bulletin, Handbook of the Collections, Catalogue Picture Gallery.*

Bharat Kala Bhavan: Banaras, Uttar Pradesh; f. 1920; now attached to Banaras Hindu University; Gupta coins, archaeological exhibits, specialisation in Indian miniatures.

Birla Industrial and Technological Museum: 19 Gurusaday Road, Calcutta 19; affiliated to the Council of Scientific and Industrial Research; Curator-in-Charge GHOSE, B.E.E., M.S.(U.S.A.), M.I.E.E.E.(U.S.A.).

Central Museum: Albert Hall, Jaipur, Rajasthan; f. 1876; archaeology, crafts, paintings, carpets.

Central Museum: Nagpur; f. 1863; miscellaneous collection of objects relating to archaeology, art, ethnology, cottage industry, megalithic sites, copper implements, Buddhist sculptures, aboriginal tribal remains.

Delhi Fort Museum: Mumtaz Mahal, Red Fort; historical collections of the Mughal period; old arms, seals and signets, Mughal dresses and relics of India's War of Independence; Curator R. VANAJA.

Fort Museum, The: Fort St. George, Madras; exhibits belong mainly to the days of the East India Co.

Ganga Golden Jubilee Museum: Bikaner, Rajasthan; f. 1937; collection of terracottas, sculptures, bronzes, inscriptions, Rajasthani paintings, arms and costumes; Curator V. S. SRIVASTAVA.

Government Museum: Pantheon Road, Egmore, Madras; f. 1851; archæology, art, South Indian bronzes, Buddhist sculptures, anthropology, botany, zoology, Supt. S. T. SATYAMURTI, M.A., D.SC., F.Z.S.; publs. *Annual Report*, various illustrated articles on anthropology, archæology and natural history in the *Madras Museum Bulletins.*

Government Museum: Trivandrum, Kerala State; natural history collections, Indian arts and crafts, Dir. R. KESAVAN NAIR.

Indian Museum: Calcutta; f. 1814; received the zoological, geological and archaeological collections of the Asiatic Society of Bengal, which had been founded in 1784; comprises of six Sections: Art, Archaeology, Anthropology, Zoology, Geology and Industry; Hon. Sec. Dr. NIHAR RANJAN RAY, M.A., DIP.LIB.(LOND.), D.LETT. & PHIL. (LEYDON), F.L.A., F.R.A.S., F.R.S.A., M.P.; Dir. Shri A. K. BHATTACHARYYA, M.A., P.R.S., A.M.A. (LOND.).

Lord Reay Maharashtra Industrial Museum: Poona, 2; Curator and Secretary G. B. SARDESAI, B.SC.

Madhya Bharat Museums: archaeological museums at Gwalior and Indore.

Maharaja of Jaipur Museum, The: City Palace, Jaipur, Rajasthan; f. 1959; textiles and costumes, armoury, and art gallery including famous miniature paintings and illuminated MSS., Persian and Mughal carpets and lacquered articles; Dir. KUMAR SANGRAM SINGH, M.A., LL.B.

Municipal Museum: Allahabad; f. 1931; antiquities, paintings, textiles, potteries.

Museums, Zoos and Government Gardens: Kerala State; include: (1) State Museum and Zoo, Trichur, f. 1880; (2) Govt. Museum and Zoological and Botanical Gardens, Trivandrum, f. 1857; 715 exhibits in Zoo, 2,800 vols. in library; Dir. Dr. R. K. NAIR, B.SC., PH.D.

Mysore Government Museum: Bangalore; f. 1866; art, archaeology, industrial art and natural history; library of 2,000 vols.: Curator Sri NARYANA IYENGAR, Asst. Curator Sri J. M. JAYARAMA RAJU; publ. *Annual Report.*

Nalanda Museum: site museum; f. 1917; images in bronze and stone; figurines, seals of late Gupta and Pala periods.

National Art Gallery: Pantheon Road, Egmore, Madras 8; f. 1951; ancient and modern Indian art; Officer-in-Charge S. T. SATYAMURTI, M.A., D.SC., F.Z.S.; publ. *Catalogue.*

National Gallery of Modern Art: Jaipur House, New Delhi 11; f. 1955; contemporary art (paintings, sculpture, drawings, graphics and minor arts).

National Museum of India: Janpath, New Delhi; f. 1949; Departments of Art, Archaeology, Anthropology, Modelling, Presentation, Preservation, Publication, Library and Photography; Indian prehistoric tools, protohistoric remains from Harappa, Mohenjodaro, etc., representative collections of sculptures, terracottas, stuccos and bronzes from 2nd century B.C. to 18th century A.D.; copies of paintings from Ajanta, Ellora, Bagh, Sittanavasal and Badami; illustrated manuscripts and miniatures; Central Asian antiquities; decorative arts; textiles, coins and illuminated epigraphical charts; armour; copper-plate etchings; woodwork; Dir. Dr. GRACE L. MCCANN MORLEY; Asst. Dir. Dr. K. N. PURI; Keepers Sarvashri C. SIVARAMAMURTI, A. K. BHATTACHARYA, Shri SACHIN ROY, Smt. S. J. BAXI, Sarvashri E. E. DENCAN; Chemist Shri R. T. GAIROLA; Publs. Superintendent Dr. P. BANERJI; Librarian Shri BAL KRISHNAN; Admin. Officer Dr. N. L. MATHUR.

Natural Science Museum of Pittapur Rajah's College: Cocanada, Madras; f. 1926; Curators T. U. CHACKO B.A., M.SC., K. VANAMALA NAIDU, B.SC.

Patna Museum: Bihar; f. 1917; archaeology, ethnology, geology and natural history; also rich collection of Tibetan paintings; coins.

Prince of Wales Museum of Western India: Bombay; f. 1922; sections: Art, Archaeology, Natural History; library of 5,000 vols.; Dir. Dr. MOTI CHANDRA, M.A., PH.D.; Curator of Natural History Section Shri V. K. CHARI, B.A., L.T.; publs. *Bulletin*, folders and post-cards.

Rabindra Bhavan Art Gallery: 35 Ferozeshah Road, New Delhi; f. 1961 for the Tagore Centenary exhibition; permanent gallery of the Lalit Kala Akademi (National Academy of Fine Arts), and venue of the National Exhibition of Art.

Rajputana Museum: Ajmer, Rajasthan; f. 1908; archæology; rare sculptures, architectural carvings, old coins, epigraphs, Rajput paintings, arms and armour of Rajasthan; Curator J. K. SINHA.

Sarnath Museum: archaeological site museum four miles north of Benares; f. 1904; Buddhist collection from 3rd century B.C. to 12th century A.D.

Sri Chitra Art Gallery, Gallery of Asian Paintings: Trivandrum 1, Kerala; f. 1935; sections: Pure Indian Art, Rajput, Mughal and Persian, Tanjore, Tibetan, Chinese, Japanese, Balinese, Indo-European (water and oil), etchings and woodcuts; Modern Indian Contemporary Art and Murals; library of 617 vols.; Superintendent A. PADMANABHAN; publs. *Administration Report, Illustrated Catalogue.*

Sri Pratap Singh Museum: Srinagar, Jammu and Kashmir; general collection.

State Museum, Government of Andhra Pradesh: Hyderabad; f. 1930; sections: sculpture, epigraphy, arms and weapons, Bidriware, bronze objects, prehistoric, ministure and Deccan paintings, MSS, numismatics, European paintings (copies), paintings from Ajanta, Ellora and Pithal Khora (copies), excavations at Yeleswaram; library (private) 3,257 vols.; Dir. Sri N. RAMESAN, M.A., I.A.S., Dep. Dir. Sri B. V. RAMANA MURTY, B.A., B.L.; publs. *Punch-marked Coins, Satavahana Coins, Qutub Shahi Coins.*

State Museum: Bhuvaneswar, Orissa; archaeology.

State Museum: Lucknow, Uttar Pradesh; f. 1884; Administrative Officer V. P. MATHUR.

Taj Museum: Agra; Archæological collections.

Victoria and Albert Museum: Victoria Gardens, Byculla, Bombay; f. 1855; contains reference books on Indian art, archæology, ethnology, geology, ancient history, numismatics and museology; specimens of Indian art industries (wood carving, lacquered ware, silver ware), agricultural models and cottage industries; ethnological models, and figures of deities; Curator S. C. UPADHYAYA, M.A., LL.B., D.L.

Victoria Memorial Hall: Chowringhee, Calcutta; f. 1906; wide collection of art and historical pieces, mainly illustrating Britain's connection with India.

UNIVERSITIES

There are in India three types of university: *Affiliating; Affiliating and Teaching;* and *Teaching* or *Residential and Teaching*. The affiliating universities, such as Agra, Jammu and Kashmir and Bihar, have no university teaching departments and in most cases no constituent colleges (colleges run directly by the university). The affiliating and teaching universities, such as Bombay, Calcutta and Madras, have their own teaching departments or constituent colleges, or both, but also affiliate other independent colleges. The teaching and residential teaching universities have no affiliating functions.

It is not possible, for reasons of space, to give lists of professors at all the colleges affiliated to the various universities, though some very eminent professors may be attached to them, but those attached to central teaching staffs are listed wherever possible.

AGRA UNIVERSITY

AGRA, UTTAR PRADESH

Telephone: 2740 and 2443.

Founded 1927; Affiliating.

Chancellor: GOVERNOR OF UTTAR PRADESH.

Vice-Chancellor: Dr. S. RANJAN, M.SC., PH.D.

Registrar: Shri R. S. AGRAWAL.

Number of students: 56,085.

DEANS:

Faculty of Arts: Dr. R. A. MISRA, M.A., PH.D.

Faculty of Science: Sri. P. T. CHANDI, M.A., M.SC.

Faculty of Law: Sri S. SINGH, B.A., LL.B.

Faculty of Commerce: Dr. T. R. SHARMA, M.COM., PH.D.

Faculty of Agriculture: Dr. S. N. SINGH, M.SC.(AG.).

Faculty of Medicine: Dr. S. P. SRIVASTAVA.

Faculty of Veterinary Science and Animal Husbandry: Dr. A. ROY, M.SC., M.D.

Faculty of Engineering: Sri S. R. SINGH, B.SC.(ENG.).

Faculty of Technology: Dr. C. R. MITRA, M.SC., SC.D.

Faculty of Homœopathic Medicine: Dr. J. C. SHARMA, B.SC., D.M.S., D.F.HOM.

AFFILIATED COLLEGES:

Acharya N. Deo. Mahapalika Mahila College: Kanpur.
Principal: Mrs. H. L. SWAROOP, M.A.
Number of professors: 7.

Agra College: Agra; f. 1823.
Principal: M. RAY, D.SC., F.N.I.
Number of professors: 16.

Agriculture College: Kanpur; f. 1893.
Principal: D. SINGH, M.SC., PH.D.
Number of professors: 9.

Ahir Kshatriya College: Shikohabad; f. 1916.
Principal: (Vacant).
Number of professors: 12.

A. K. P. Degree College: Hapur.
Principal: Smt. B. VIDYARATHI, M.A.
Number of professors: 4.

Almora Degree College: Almora; f. 1942.
Principal: A. D. PANT, M.A., L.T.
Number of professors: 9.

Arya Kanyamahavidyalaya College: Jhansi.
Principal: (Vacant).
Number of professors: 2.

A. S. Degree College: Fatehpur.
Principal: R. P. MITTAL, M.A., PH.D.
Number of professors: 4.

A. S. Degree College: Mawana, Meerut.
Principal: S. N. AGRAWAL, M.A.
Number of professors: 3.

A. S. Jat College: Lakhaoti; f. 1905.
Principal: Dr. V. P. SINGH, M.SC.(AG.), PH.D.
Number of professors: 12.

Atora College: Atora, Banda.
Principal: J. SINGH, M.A.
Number of professors: 6.

Babu Shivnath Agarwal Degree College: Mathura.
Principal: K. N. GARG, M.A.
Number of professors: 12.

Badri Vishal Degree College: Farukhabad.
Principal: M. C. SAXENA, M.A.
Number of professors: 8.

Balwant Rajput College: Agra; f. 1885.
Principal: S. N. SINGH, M.SC.(AG.), PH.D.
Number of professors: 19.

Barahseni College: Aligarh; f. 1922.
Principal: M. C. MATHUR, M.A., M.SC., PH.D.
Number of professors: 16.

Bareilly College: Bareilly, U.P.; f. 1837.
Principal: Dr. G. P. MEBOOTRA, M.A., PH.D.
Number of professors: 18.

B. D. Jain Girls' College: Agra.
Principal: S. CHATERJEE, M.A.
Number of professors: 4.

Bipim Behaxi College: Jhamoi.
Principal: V. B. SARDASAI, M.SC.
Number of professors: 4.

Birla Gouh. Degree College: Srinagar, (Garhwal).
Principal: S. P. MITAL, M.A., PH.D.
Number of professors: 5.

B. M. Girls' College: Chandausi.
Principal: R. SHIVAJI.

B.N.V. College: (Rath) Hamirpur.
Principal: Sri. D. SINGH, M.SC.
Number of professors: 5.

Brahman Sanskrit Mahavidyalaya: Roorkee.
Principal: V. N. SHUKLA, M.A.
Number of professors: 7.

Bundelkhand College: Jhansi; f. 1949.
Principal: S. SWARUP, M.SC.
Number of professors: 7.

Chhadami Lal Jain Degree College: Firozabad (Agra).
Principal: I. P. AGARMAL, M.SC.
Number of professors: 2.

Chitra Gupta College: Maindura.
Principal: S. P. BHATNAGAR, M.A.
Number of professors: 4.

Christ Church College: Kanpur; f. 1892.
Principal: N. ABRAHAM, M.A. (OXON.).
Number of professors: 12.

D.A.V. College: Dehra Dun; f. 1893.
Principal: M. BL. RAIZADA, M.A.
Number of professors: 19.

D.A.V. College: Muzaffarnagar; f. 1918.
Principal: S. PRASAD, M.SC.
Number of professors: 7.

D.A.V. Degree College: Bulandshahr: f. 1956.
Principal: L. BAHADUR, M.A., PH.D., D.LITT.
Number of professors: 5.

Dayanand Anglo-Vedic College: Kanpur; f. 1919.
Principal: (Vacant).
Number of professors: 18.

Dayanand Brijendra Swarup Degree College: Kanpur.
Principal: M. M. PANDEY, M.A.
Number of professors: 5.

Dayanand College of Law: Kanpur.
Principal: (Vacant).

Dayanand Girls' College: Kanpur.
Principal: Smt. I. VERMA, M.A.
Number of professors: 16.

Dayanand Subhas National College: Unnao; f. 1946.
Principal: Dr. M. L. VIDHYARTHI, M.A., PH.D.
Number of professors: 8.

Dayanand Vedic College: Orai; f. 1951.
Principal: Dr. B. A. L. SRIVYESTARA, M.A., D.L.D.
Number of professors: 8.

Dayanand Women's Training College: Kanpur.
Principal: Mrs. KRISHNA KAUL, M.A., L.T.

Dayanand Women's Training College: Dehradun.
Principal: Mrs. S. R. TRIVEDI.

Dayanadarya Kanya Degree College: Morada Bad.
Principal: B. GUPTA, M.A.
Number of professors: 9.

D.B.S. College: Dehradun, Madad.
Principal: M. B. SRIVASTARS.
Number of professors: 7.

Deva Nagri College: Meerut.
Principal: K. D. AGRAWAL, M.A.
Number of professors: 4.

D. J. College: Baraut; f. 1916.
Principal: A. B. MALKHANI, M.SC.
Number of professors: 13.

D.N. Degree College: Fatehgarh.
Principal: U. SINGH, M.A., L.T.
Number of professors: 4.

Drigambar College: Dibai (Bularndstahr).
Principal: Dr. A. R. PACHORI, M.A., PH.D.
Number of professors: 7.

D.S. College: Aligarh; f. 1907.
Principal: V. G. JHINGRAN, M.SC., B.ED.
Number of professors: 17.

D.S.B. Government Degree College: Nainital; f. 1951.
Principal: Dr. D. D. PANT, M.SC.
Number of professors: 13.

D.S.M. College: Karith, Moradabad.
Principal: N. SINGH, M.A.
Number of professors: 7.

Engineering College: Dayalbagh; f. 1950.
Principal: S. R. SINGH, B.SC.(ENG.).
Number of professors: 3.

Feroze Gandhi College: Raibareilly.
Principal: Dr. S. K. SINHA, M.A., PH.D.
Number of professors: 8.

Gandhi-Faiz-Am College: Shahjahanpur; f. 1936.
Principal: M. WASI, M.A.
Number of professors: 11.

Ganesh College: Kasiganj.
Principal: Dr. S. GUPTA, M.A., PH.D.
Number of professors: 4.

Ganjdundwara Degree College: Etah.
Principal: S. L. RATHOR, M.A.
Number of professors: 7.

G. B. Parit College: Kachhla, (Badaun).
Principal: K. C. GAWR, M.A., M.COM.
Number of professors: 4.

Gokal Dass Hindu Girls' College: Moradabad; f. 1952.
Principal: Smt. Dr. G. AGRAWAL, M.A., PH.D.
Number of professors: 11.

Government Central Textile Institute: Kanpur.
Principal: E. D. DARUVALA, B.SC., PH.D., A.R.I.C.
Number of professors: 2.

Government Degree College: Pithoragarh.
Principal: Dr. O. P. MALHEUR, M.A., PH.D.
Number of professors: 6.

Government Raza College: Rampur; f. 1949.
Principal: Dr. O. B. L. KAPOOR, M.A.
Number of professors: 12.

Guja-r Agricultural College: Rampur Manhyaran (Saharanpur).
Principal: J. SINGH, M.SC.(AGR.).
Number of professors: 3.

Guru Ram Rai College: Dehradun.
Principal: Sri. R. P. P. MATHUR, M.A.
Number of professors: 3.

Gurukul Kangri College of Science: Gurukul Kangri.
Principal: F. C. TERHON, M.SC.
Number of professors: 3.

Halim Muslim College: Kanpur.
Principal: M. A. RIZVI, M.A., L.T.
Number of professors: 7.

Harcourt Butler Technological Institute: Kanpur.
Director: C. R. MITRA, M.SC.
Number of professors: 3.

Hindu Degree College: Moradabad; f. 1911.
Principal: R. N. GULTA, M.SC.
Number of professors: 7.

Hindu Kanya Mahavidyalaya: Sitapur.
Principal: Smit. S. ARORA, M.A.
Number of professors: 2.

Indian Veterinary Research Institute: Izatnagar.
Principal: Dr. D. P. SADHU, M.SC., PH.D.
Number of professors: 5.

Institute of Oriental Philosophy: Vrindaban, Mathura.
Principal: (Vacant).
Number of professors: 2.

Ismail National College for Women: Djeerut.
Principal: Dr. S. MILLAT, M.A., PH.D.
Number of professors: 3.

Jain Girls' Degree College: Muzaffamegg.
Principal: Smt. S. AGRAWAL, M.A.
Number of professors: 1.

J. V. Jain Degree College: Saharanpur; f. 1955.
Principal: R. C. JAIN, M.A., PH.D.
Number of professors: 15.

Janta Agricultural College: Ajitmal (Etawah).
Principal: B. K. MISRA, M.A.
Number of professors: 6.

Janta College: Bakewar (Etawa).
Principal: G. SINGH, M.SC.(AGR.).
Number of professors: 11.

Jat College: Muzaffarnagar.
Principal: D. S. CHAWDHRY, M.SC. (AG.).
Number of professors: 5.

Jat Vedic College: Baraut; f. 1917.
Principal: Dr. R. SINGH, M.SC., PH.D.
Number of professors: 19.

Jawaharlal Nehru College: Banda.
Principal: Dr. G. N. DRIVEDI, M.A., PH.D.
Number of professors: 1.

Jawaharlal Nehru Memorial College: Barabanki.
Principal: Dr. R. S. TIWARI, M.A., PH.D.

J.S. Degree College: Sikandrabad (Bulandshahr).
Principal: K. SAHAI, M.A.
Number of professors: 4.

J.S. Hindu College: Amroha (Moradabad).
Principal: N. K. JAIN, M.A., M.COM.
Number of professors: 6.

Juhasi Devi Girls' College: Kanpur.
Principal: Smt. SUMAN, M.A.

Jwala Devi Vidya Mandir College: Kanpur.
Principal: Mrs. R. PRADHA, M.A.
Number of professors: 3.

Kanyamahavidyalaya College: Bhoor (Bareilly).
Principal: Smit. P. DARSHAN, M.A.
Number of professors: 8.

Kanya Lubja College: Kanpur.
Principal: K. K. SHUKLA, M.SC.
Number of professors: 5.

K.G.K. College: Moradabad; f. 1940.
Principal: H. R. BHATIA, M.A.
Number of professors: 13.

Kishori Raman College: Mathura; f. 1916.
Principal: H. S. BHARGAVA, M.A.
Number of professors: 16.

Kishori Raman Girls' Degree College: Mathura.
Principal: Mrs. SAROJ KULSHRESHTHA, M.A., PH.D.
Number of professors: 5.

K.K. College: Etawah.
Principal: A. K. VARMA, M.A., D.PHIL.
Number of professors: 11.

K.L.D.A.V. College: Roorkee.
Principal: I. DAYAL, M.A.
Number of professors: 3.

K.N. Government Degree College: Gyanpur; f. 1951.
Principal: Dr. K. N. SRIVASTAVA, M.A., PH.D.
Number of professors: 14.

Krishak College: Mawana (Meerut).
Principal: M. SINGH, M.A.
Number of professors: 5.

Kund Kund Jain College: Khatauli.
Principal: Sri V. P. JAIN, M.A.
Number of professors: 3.

K.V. Degree College: Machhra, Meerut; f. 1942.
Principal: M. S. TYAGRI, M.A.
Number of professors: 14.

Mahadevi Kanya Pathshala Degree College: Dehradun.
Principal: Mrs. SUSHILA RAKESH, M.A., B.T.
Number of professors: 11.

Maharaj Singh Degree College: Saharanpur.
Principal: S. L. SAREEN, M.SC.
Number of professors: 6.

M.B. Degree College: Haldwani (Nainital).
Principal: B. N. MISHRA, M.A.
Number of professors: 5.

Meerut College: Meerut; f. 1892.
Principal: Dr. V. PURI, M.SC., M.D.
Number of professors: 20.

M.M. College: Khekra (Meerut).
Principal: B. D. SHARMA, M.A.
Number of professors: 4.

M.M.H.V. College: Ghaziabad; f. 1936.
Principal: B. S. MATHUR, M.A.
Number of professors: 17.

Multani Mal Modi Degree College: Modinagar, Meerut.
Principal: C. P. SINGHAL, M.SC., PH.D.
Number of professors: 13.

Municipal Degree College: Massorie.
Principal: S. P. THAPLIYAL, M.A.
Number of professors: 6.

Narain Degree College: Shikohabad.
Principal: M. S. SOOD, M.SC., PH.D.
Number of professors: 4.

N.A.S. College: Meerut; f. 1952.
Principal: D. C. SHARMA, M.A.
Number of professors: 15.

National Homœopathic Medical College: Lucknow.
Principal: Dr. J. C. SHARMA.

National Degree College: Bhogaon (Mainpura).
Principal: R. S. SAXENA, M.A.
Number of professors: 4.

N.R.E.C. College: Khurja; f. 1901.
Principal: B. L. GOVILA, M.A.
Number of professors: 12.

Phool Chand Degree College: Hathras.
Principal: Dr. K. S. SINGHAL, M.A., M.COM., PH.D.
Number of professors: 8.

P.P.N. Degree College: Kanpur.
Principal: H. C. SAXENA, M.SC.
Number of professors: 12.

Raghunath Girls' College: Meerut; f. 1929.
Principal: Mrs. LAKSHMI SHARMA, M.A.
Number of professors: 16.

Raja Mahendra Pratap Prem Vidyalaya College: Narsan, Saharanpur.
Principal: A. SINGH, M.SC.(AG.).
Number of professors: 5.

Rashtriya Kisan College: Shamli, Muzaffarnagar.
Principal: K. SINGH, M.SC.
Number of professors: 10.

R.B.S. Degree College: Dhaulana (Meerut)
Principal: M. N. S. SHISHODIA, M.A.
Number of professors: 6.

R.E.I. College: Dayalbagh, Agra; f. 1917.
Principal: B. P. JOHRI, M.SC., L.T.
Number of professors: 7.

R.M.P. College: Sitapur.
Principal: (Vacant).
Number of professors: 5.

R.S.K. Degree College: Simbhaoli, Meerut.
Principal: H. SINGH.
Number of professors: 7.

R.S.M. Degree College: Dhampur, Bijnor.
Principal: S. L. BAHL, M.A.
Number of professors: 10.

S.A.V. College: Bharthana (Etanah).
Principal: T. P. BAJPAI, M.A.
Number of professors: 2.

S.D. College: Ghaziabad.
Principal: R. B. L. GOSNIAMI, M.A.
Number of professors: 5.

S.D. College: Muzaffarnagar; f. 1905.
Principal: S. D. LOIWAL, M.A.
Number of professors: 10.

St. John's College: Agra, U.P.; f. 1851.
Principal: P. T. CHANDI, M.A., M.SC.
Number of professors: 15.

S.M. College: Chandausi; f. 1909.
Principal: (Vacant).
Number of professors: 11.

S.N.J.N. Degree College: Hardwar.
Principal: K. C. BENCERIA, M.A., PH.D.
Number of professors: 6.

S.N. Medical College: Agra; f. 1864.
Principal: P. N. WAHI, M.D., M.R.C.P., F.N.I.
Number of professors: 14.

S.N. Sen Balika Vidyalaya Degree College: Kanpur; f. 1900.
Principal: KM. K. GHOSH, M.A.
Number of professors: 9.

S.R.K. Degree College: Firozabad, (Agra).
Principal: K. S. GARG, M.A.
Number of professors: 8.

S.S.V. Degree College: Hapur; f. 1945.
Principal: (Vacant).
Number of professors: 12.

Swami Sukhdevananid College: Shahjahandur.
Principal: Sri. P. N. SAXENA, M.A.
Number of professors: 3.

Tika Ram Kanya Mahavidyalaya: Aligarh.
Principal: Mrs. SHANTI SHARMA, M.A., M.ED.
Number of professors: 12.

Upadhi Mahavidyalaya: Pilibhit.
Principal: (Vacant).
Number of professors: 4.

U.P. College of Veterinary Science and Animal Husbandry: Mathura; f. 1947.
Principal: C. V. G. CHOUDRAY, M.SC., M.R.C.V.S.
Number of professors: 8.

Vaish Degree College: Shamli, Muzaffarnagar.
Principal: L. NARAIN, M.A., PH.D.
Number of professors: 6.

Vardhman College: Bijmor.
Principal: Dr. S. R. TYAGI.
Number of professors: 15.

Vidyawati Mukandlal Girls' College: Ghaziabad.
Principal: Mrs. B. VIKRAM, M.A.
Number of professors: 7.

V.S. Sanatan Dharam College: Kanpur; f. 1921.
Principal: S. S. SHARMA, M.A.
Number of professors: 14.

Women's Training College: Dayalbagh, Agra; f. 1947.
Principal: Mrs. S. P. SUKHIA, M.A., T.DIP.
Number of professors: 4.

Yuvraj Dutta College: Lakhimpur-Kheri; f. 1949.
Principal: G. SINGH, M.A.
Number of professors: 11.

CONSTITUENT COLLEGES:

Institute of Social Sciences: Agra University, Agra.
Director: Dr. R. N. SAKSENA, M.A., PH.D., D.LITT.
Number of professors: 12.

K.M. Institute of Hindi Studies: Agra University, Agra.
Director: Dr. M. P. GUPTA, M.A., D.LITT.
Number of professors: 6.

ALIGARH MUSLIM UNIVERSITY

ALIGARH, UTTAR PRADESH
Telephone: 73.

Founded 1921; Residential and Teaching.

Chancellor: H.H. MULLA SYEDNA TAHIR SAIFUDDIN SAHIB.
Pro-Chancellor: NAWAB SAIDUL MULK S. T. SAIFUDDIN SAHIB.
Vice-Chancellor: Col. B. H. ZAIDI, B.A. (CANTAB.), Barrister-at-Law.
Registrar: Y. D. KHAN.
Librarian: BASHIRUDDIN, M.A., F.L.A.

The library contains 103,100 volumes; 4,000 MSS. in Arabic, Persian and Urdu.

Number of teachers: 354, including 20 professors.

Number of students: 4,907.

DEANS:

Faculty of Arts: Prof. M. UMARUDDIN.
Faculty of Engineering and Technology: Q. H. FAROOQUEE.
Faculty of Law: Dr. H. RAHMAN.
Faculty of Science: S. M. T. RIZVI.
Faculty of Theology: M. S. A. AKBARABADI.
Faculty of Medicine: Prof. H. A. LATIF, Shifa-ul-Mulk.

PROFESSORS:

Faculty of Arts:
ALEEM, A., Arabic and Islamic Studies
BOSE, A., M.A., D.PHIL., English
HABIB, M., M.A., Political Science
HASAN, Dr. S. H., B.A., PH.D., Persian
HASAN, S. N., M.A., D.PHIL., History
MUKERJI, D. P., M.A., Economics
RAHMAN, H., M.A., M.ED., Education
RASHID, SH. A., M.A., LL.B., History
SIDDIQI, R. A., M.A., Urdu
UMARUDDIN, M., M.A., Philosophy, Psychology

Faculty of Engineering and Technology:
DEY, N. C., M.SC., Mechanical Engineering
KHAN, H., Civil Engineering
SAHA, N. C., B.SC., Electrical Engineering

Faculty of Science:
FAROOQ, M. O., Chemistry
GILL, P. S., M.SC., PH.D., Physics
MIRZA, M. B., D.PH., F.R.M.S., Zoology
SHAH, S. M., PH.D., D.LITT., Mathematics and Statistics

Faculty of Medicine:
MITTER, S. M., D.O.M.S.

The University has twenty-seven teaching departments

CONSTITUENT COLLEGES:

Muslim University Women's College: Aligarh.

Muslim University College of Engineering and Technology: Aligarh; f. 1944.

Muslim University Polytechnic: Aligarh; f. 1944.

Muslim University Tibbija College: Aligarh; f. 1942.

UNIVERSITY OF ALLAHABAD

ALLAHABAD, UTTAR PRADESH
Telephone: 2219.

Founded 1887; Residential and Teaching.

Chancellor: H.E. THE GOVERNOR OF UTTAR PRADESH.
Vice-Chancellor: Dr. B. PRASAD, D.SC., F.N.I.
Registrar: K. P. MOHILEY, M.A.
Librarian: Dr. A. N. AGARWALA, M.A., D.LITT.

The library contains 220,807 volumes.

Number of teachers: 296, including 23 professors.

Number of students: 7,503 men, 1,183 women, total 8,686.

DEANS:

Faculty of Arts: Prof. S. HASAN, M.A., PH.D.
Faculty of Commerce: Prof. J. K. MEHTA, M.A.
Faculty of Engineering: G. K. AGARWAL, C.E., M.I.E.
Faculty of Law: Prof. P. K. TRIPATHI, LL.M., J.S.D.
Faculty of Medicine: Dr. P. DAS, M.S., F.R.C.S., F.A.C.S.
Faculty of Science: Prof. M. D. L. SRIVASTAVA, D.SC.

PROFESSORS:

ADAVAL, S. B., M.A., M.ED., D.PHIL., Education
AGARWALA, A. N., M.A., D.LITT., Commerce
BHATNAGAR, O. P., M.A., History
CHATURVEDI, S. P., M.A., Sanskrit
HASAN, S., M.A., PH.D., Arabic and Persian
HUSAIN, S. E., M.A., Urdu
GHOSH, S. N., D.SC., Applied Physics
KAUL, R. N., M.A., B.L.H., Philosophy
KHAN, M. M., M.A., D.PHIL., Geography
KHANNA, D. D., B.A., LL.B., Military Science
KOCHAK, U. S., M.SC., Fine Arts
LAL, A. B., M.A., Politics
MEHTA, J. K., M.A., Economics
MISHRA, R. S., D.SC., Mathematics
PRAKASH, S., D.SC., Chemistry
SHARMA, G. R., M.A., Ancient History, Culture and Archæology
SINGH, R., M.SC., Physics
SINHA, D. N., M.A., Psychology
SRIVASTAVA, M. D. L., D.SC., Zoology
TANDON, R. N., M.SC., PH.D., Botany
TRIPATHI, P. K., LL.M., J.S.D., Law
VARMA, R. K., M.A., PH.D., Hindi
VYAS, K. D., B.SC., M.B.B.S., Home Science

The University has twenty-three teaching departments

ASSOCIATED AND CONSTITUENT COLLEGES:

Agarwal College.

Allahabad Agricultural Institute: Naini.

Ch. Mahadeo Prasad Degree College.

Ewing Christian College.

Kayastha Pathashala University College.

Madan Mohan Malaviya College.

William Holland University College:
Principal: Dr. C. M. CHATTERJI, M.A., PH.D.

Moti Lal Nehru Medical College: Principal Dr. P. Das, M.S., F.R.C.S., F.A.C.S.

Moti Lal Nehru Regional Engineering College: Principal G. K. Agarwal, C.E., M.I.E.

ANDHRA UNIVERSITY

WALTAIR, ANDHRA PRADESH

Telephone: 324.

Founded 1926; Teaching and Affiliating.

Chancellor: H.E. The Governor of Andhra Pradesh.

Pro-Chancellor: Shri P. V. G. Raju, M.L.A.

Vice-Chancellor: Dr. A. L. Narayan, M.A., D.SC., F.J.P.

Principal, University Colleges: Prof. G. G. Rao, M.SC., D.SC., A.I.C. (LOND.).

Registrar: Prof. K. V. Gopalaswamy, M.A. (OXON.), Bar.-at-Law.

Constituent Colleges:

Erskine College of Natural Sciences: Waltair; f. 1941.

J.V.D. College of Science and Technology: Waltair; f. 1932.

University College of Arts and Commerce: Waltair; f. 1931.

University College of Engineering: Waltair; f. 1955.

University College of Law: Waltair; f. 1945.

Affiliated Colleges:

A.M.A.L. College: Anakapalle, Visakhapatnam District.
Principal: R. Subbaiah, B.SC. (HONS.).

A.N.R. College: Gudivada, Kistna District; f. 1950.
Principal: A. F. Thyagaraju, M.A.

Andhra Christian College: Guntur; founded by American United Lutheran Mission 1885.
Principal: Dr. J. B. Williams, M.A., PH.D. (COLUMBIA).

Andhra Loyola College: Vijayavada 8; f. 1954.
Principal: Rev. Fr. D. Gordon, S.J., M.A.

Andhra Medical College: Vizagapatam; f. 1923.
Principal: Dr. P. N. Rao, M.S., F.I.C.S., F.A.C.S.

Andhra Jateeya Kalasala: Masulipatam; f. 1949.
Principal: M. Sivakamayya, M.A., B.ED.

Andhra Women's Sanskrit College: Rajahmundry; f. 1930.
Principal: B. Kamakshamma, U.B.P.

Agricultural College: Bapatila; f. 1945.
Principal: Dr. B. Appalanaidu, M.A., M.SC., PL.D., F.B.S.

Annavaram Satyavathi Devi College for Women: Kakinda; f. 1962.
Principal: (Vacant).

Bapatla College of Arts and Sciences: Bapatla; f. 1963.
Principal: Prof. S. Veukatarawan, B.A., B.L.

Ch.S.D. St. Theresa's College for Women: Eluru; f. 1953.
Principal: Mrs. L. D'Souza, M.A., L.T., DIP.EDUC. (LOND.).

C.R. Sanskrit College: Modekurru.
Principal: K. S. Sastri.

C.S.R. Sarma College: Ongole; f. 1952.
Principal: Sri K. V. Punniah, M.A., B.ED.

Dr. K. V. K. Sanskrit College: Arundelpet Guntur; f. 1958.
Principal: Sri C. Satyanarayana, M.A., B.O.L.

Engineering College: Kakinada; f. 1946.

Government Arts College: Rajahmundry, East Godavari District; f. 1853, Second-Grade College 1873, First-Grade College 1877.

Government Arts College: Srikakulam; f. 1951.
Principal: K. Rajamannar, M.A., B.ED.

Government College for Women: Guntur; f. 1947.
Principal: S. B. Venkataswamy.

Government Music College: Vijayawada, Granasudhakara.

Government Training College: Rajahmundry; f. 1894.
Principal: Sri T. R. Weenadayal.

Hindu College: Guntur.
Principal: V. S. Rao, B.A.

Hindu College: Masulipatam; f. 1928.
Principal: Dr. M. G. Sastri, M.A., D.SC.

J.M.J. College for Women: Tenali; f. 1963.
Principal: Sister Anna Maria, M.ED.

St. Joseph's College for Women: Waltair R.S.; f. 1958.
Principal: Sister Germaine Marie, B.A. (HONS.) (LOND.).

St. Joseph's Training College for Women: Guntur; f. 1946.
Principal: Sister Mary Theresalina, M.A., B.ED.

Kota Lakshmiah Naidu Sanskrit College: Tenali; f. 1912.
Principal: R. Sastry, V.P.

Maharajah's College: Vizianagaram; f. 1857 as a Middle School, raised to a High School 1868, Second-Grade College 1879, and First-Grade College 1881.
Principal: Dr. N. Ramalal, M.SC., PH.D.

Maharaja's Sanskrit College: Vizianagaram; f. 1852.
Principal: Sri. P. B. S. Appalacharyulu, M.A., B.P.

Maharaja's Music College: Vizianagaram; f. 1919.
Principal: Sangita Bhushana Sri D. Srizamashi.

Markandeya Sanskrit College: Aukiripalli, Kishna District.
Principal: P. Venkateswara Sastry.

Medical College: Guntur.
Principal: Dr. J. Chalapathi Naidu, M.S.

Mrs. A.V.N. College: Vizagapatam; f. 1878.
Principal: C. Suryaprakasam, M.A., L.T.

Narasapur College: Narasapur; f. 1949.
Principal: Sri S. Gopalakrishrahatty, M.A., D.S.C., B.ED.

Narasimha Sanskrit College: Chittigudur, Masulipatam, f. 1923.
Principal: Sri S. T. G. Narasimhacharyulu, B.A. (HONS.), V.P., B.P.

Oriental College: Bhimavaram; f. 1959.
Principal: D. S. Sastri, V.P., Vidwan, 7-A Vidwan.

Oriental College: Vijayavada.
Principal: V. V. R. Somayaji, B.A., V.P., B.P.

P.B.N. College: Nidubrole, Guntur District.
Principal: G. V. Subbaramayya, M.A.

Pithapur Rajah's Govt. College: Kakinada; f. 1884.
Principal: P. Sriramam, M.A., B.ED.

Rajah R.S.R.K. Rangarao College: Bobbili.
Principal: Sri G. S. Reddy, M.SC.

Saradaniketanam: Guntur.
Principal: Vidwan Srimathi M. Savithri Devi, 7-B Vidwan (M.U.).

S.B.S. Sanskrit College: Ponnur, Guntur District.
Principal: P. Sastri, V.P., P.O.L.

S.G.V.P. Oriental College: Rajahnundry; f. 1957.
Principal: K. A. P. Sastry, V.P., U.B.P.

S.K.B.R. College: Amalapuram, East Godavari District; f. 1951.
Principal: Sri G. P. Ramesam, B.SC., M.A.

Srima Thi Appana Venkatavatnamma Oriental College: Eluru.
Principal: U. Sowbhagyarathi, U.P.B.

S.R.R. and C.V.R. (Govt.) College: Vijayavada; f. 1937.
Principal: N. R. RAO, M.A., B.ED.

S.S.N. College: Narasaraopet, Guntur District; f. 1950.
Principal: I. RANGANAYAKULU, M.A., LL.B.

S.V.J.V. Sanskrit College: Kovvur; f. 1912.
Principal: Sri J. PURUSHOTHAM, M.A.

Sir C. Ramalinga Reddy College: Eluru; f. 1945.
Principal: D. S. SUBRAHMANYAM, M.A., B.ED.

Sri Rangaraya Memorial Medical College: Kakinda; f. 1958.
Principal: Dr. V. R. RAO, M.B.B.S., M.SC.

Stella Maris College for Women: Vijayawada; f. 1962.
Principal: Sister MARY PROINSIAS.

V.R.S./Y.R.N. College: Chirala, Guntur District; f. 1951.
Principal: Dr. T. R. RAO, M.A., PH.D.

V.S.R. College: Tenali, Guntur District; f. 1951.
Principal: S. P. RAGLAND, M.A., PH.D.

West Godavari Bhimavaram College: Bhimavaram; f. 1945.
Principal: E. L. RAO, M.A.

M.R. College for Women: Vizianagram; f. 1962.
Principal: Dr. N. RAMALAL, M.SC., PH.D.

ANNAMALAI UNIVERSITY

ANNAMALAINAGAR,
SOUTH ARCOT, MADRAS STATE

Founded 1928; Residential and Teaching.

Chancellor: H.E. THE GOVERNOR OF MADRAS.
Pro-Chancellor: Rajah Sir M. A. MUTHIAH CHETTIAR OF CHETTINAD, Kt., B.A., D.LITT., M.L.C.
Vice-Chancellor: Col. Dr. C. P. RAMASWAMI AIYAR, LL.D., D.LITT.
Registrar: T. D. MEENAKCHISUNDARAM, B.A., B.L.

The library contains 160,000 volumes.
Number of teachers: 359, including 25 professors.
Number of students: 3,762.
Publications: *Annamalai University Research Journal, Annamalai University Magazine.*

DEANS:

Faculty of Arts: Dr. S. P. ADINARAYAN, M.A., PH.D.
Faculty of Science: Dr. K. RANGASWAMI AYYAR, M.A., M.SC., PH.D.
Faculty of Oriental Studies: Prof. L. P. KR. R. CHETTIAR, *Panditha, Vidwan.*
Faculty of Engineering and Technology: Prof. A. SRINIVASAN, B.E., M.SC., M.S.
Faculty of Philosophy and Education: Prof. R. RAMANUJACHARIER, M.A.
Faculty of Fine Arts: M. M. D. DESIGAR.
Faculty of Agriculture: Dr. G. RANGASWAMI, B.SC.(AG.), PH.D.

PROFESSORS:

ADINARAYAN, S. P., M.A., PH.D., Psychology
ALEXANDER, G., B.E., M.SC.(ENG.), Civil Engineering
AYYAR, K. R., M.A., M.SC., PH.D., Statistics
AYYAR, V. G., M.A., D.SC., Mathematics
BALIAH, V., M.SC., PH.D., Chemistry
BALASUNDARAM, V., B.SC.(HONS.), M.A., M.S.(CORNELL) U.S.A., Electrical Engineering
CHETTIAR, L. P. KR. R., *Panditha, Vidwan*, Tamil—Oriental
DESIGAR, M. M. D., Music
DURAISWAMI, M. S., M.A., English
GOVINDAN, P., M.A., PH.D., Zoology
KANNAN, M., B.E., M.SC.(ENG.), Civil Engineering
LAKSHMANAN, S. M., B.SC.(HONS.), CHEM.(TECH.), M.SC.(TECH.), PH.D.(LOND.) D.I.C.(LOND.), Technology
MATHEW, M. O., M.COM.(HONS.), PH.D., Commerce
MEENAKSHISUNDARAM, T. P., M.A., B.O.L., M.O.L., Linguistics
MOTWANI, K., M.A., PH.D., Sociology
MUTHUSWAMI, T. N., M.A., Geology
PILLAI, G. S., M.A., B.L., *Vidwan*, Tamil Research and Tamil Arts
RAJARAM, C., B.A., B.E., Mechanical Engineering
RAMANUJACHARIAR, R., M.A., Philosophy
RANGASWAMI, G., B.SC., PH.D., Agriculture
RAO, K. U., M.A., M.ED., PH.D., Education
SESHAIAH, R. V., M.A., F.Z.S.I., F.A.SC., Marine Biological Station, Porto-Nova
SETHUNARAYANAN, R., M. B.E., M.SC.(ENG.), D.I.C., Civil Engineering
SHANMUGASUNDARAM, S., B.A., DIP. PH.ED., Physical Education
SINGH, T. C. N., D.SC., F.B.S., Botany
SONACHALAM, K. S., M.A., Economics
SRINIVASAN, A., B.E., M.SC., M.S., Electrical Engineering
SRIRAMAN, S., M.A., M.SC., PH.D., F.INST.P., Physics
VENKATESWARAN, C. S., M.A., PH.D., *Siromani*, Sanskrit
(Vacant—History and Politics)

The University has twenty-nine teaching departments all of which are located at Annamalainagar

BANARAS HINDU UNIVERSITY

VARANASI 5, UTTAR PRADESH

Telephone: 2939/4339.
Telegraphic Address:
Hindu University, Varanasi.

Founded 1916; Residential and Teaching.

Visitor: THE PRESIDENT OF THE REPUBLIC OF INDIA.
Chief Rector: H.E. THE GOVERNOR OF UTTAR PRADESH (U.P.).
Chancellor: H.H. JAI CHAMRAJA WADIA, GOVERNOR OF MYSORE.
Pro-Chancellor: H.H. YUVRAJ KARAN SINGH, SADAR-I-RIYASAT OF JAMMU AND KASHMIR.
Vice-Chancellor: Lt.-Col. N. H. BHAGWATI, M.A.
Registrar: Major S. L. DAR, M.A.

Number of students: 6,975.

DEANS:

Faculty of Arts: Dr. P. POZDON, M.A., PH.D.
Faculty of Science: Dr. R. MIZRA, M.SC., PH.D.
Faculty of Technology: Prof. S. S. GAIROLA, B.SC.(ENG.), M.S.
Faculty of Medicine and Surgery: Dr. J. N. CHOUDHRI, M.B.B.S., PH.D.
Faculty of Theology: Pt. R. DIKSHIT.
Faculty of Oriental Learning: Pt. M. SHASTRI.
Faculty of Music and Fine Arts: Prof. B. R. DEODHAR.

CONSTITUENT COLLEGES:

Central Hindu College: Varanasi; f. 1898.

Central Hindu College: Kamacha Section, Varanasi; f. 1949.

College of Agriculture: Varanasi; f. 1931.

College of Ayurveda (Medical Science): Varanasi; f. 1928.

College of Indology: Varanasi; f. 1950.

College of Mining and Metallurgy: Varanasi; f. 1923.

College of Music and Fine Arts: Varanasi; f. 1950.

College of Science: Varanasi; f. 1935.

College of Technology: f. 1939.

Engineering College: Varanasi; f. 1919.

Law College: Varanasi; f. 1923.

Sanskrit Mahavidyalaya: Varanasi; f. 1917.

Teachers' Training College: Varanasi; f. 1918.

Women's College: Varanasi; f. 1929.

AFFILIATED COLLEGES:

Arya Mahila Vidyalaya: Varanasi; f. 1958.

Besant College: Rajghat, Varanasi; f. 1937.

D.A.V. Degree College: Varanasi; f. 1938.

Vasant Kanya Mahavidyalaya: Kamachha, Varanasi; f. 1954.

Vasanta College for Women: Rajghat, Varanasi; f. 1946.

THE MAHARAJA SAYAJIRAO UNIVERSITY OF BARODA

BARODA 2, GUJARAT

Telephone:: 4721, 4238.

Founded 1949; Residential and Teaching.

Chancellor: H.H. Shrimant Maharaja FATEHSINHRAO GAEKWAR OF BARODA.
Vice-Chancellor: Dr. C. S. PATEL, B.A., M.SC., PH.D.

Registrar: B. K. ZUTSHI, M.A., LL.B.
Librarian: Prof. C. P. SHUKLA, M.A., B.T., M.A.(L.S.), PH.D.

Number of teachers: 427, including 132 professors and readers.

Number of students: 11,191.

DEANS:

Faculty of Arts: Prof. V. Y. KANTAK, M.A.
Faculty of Science: Dr. S. M. SETHNA, M.SC., PH.D.
Faculty of Commerce: Dr. K. N. NAIK, M.A., PH.D.
Faculty of Education and Psychology: Dr. S. N. MUKERJI, M.A., B.T., T.D., DIP.ED.ADMIN., ED.D.
Faculty of Medicine: Dr. T. V. PATEL, M.D. (Academic); Dr. A. D. JOSEPH, M.D., F.C.P.S. (Administrative).
Faculty of Technology and Engineering: Prof. P. J. MADAN, B.SC.ENG. (EDIN.), M.SC.ENG. (LOND.), D.I.C. (LOND.), M.INST.H.E., M.I.E.
Faculty of Fine Arts: Prof. N. S. BENDRE, B.A., G.D.ART.
Faculty of Home Science: Prof. (Mrs.) A. B. VERMA, B.A., M.A.
Faculty of Social Work: G. G. DADLANI, B.A., M.S.W., M.SC.
Faculty of Law: H. C. DHOLAKIA, M.A., LL.B., LL.M.

PROFESSORS:

Faculty of Arts:
DESAI, I. P., M.A., PH.D., Sociology
DESAI, K. S., M.A., Politics
DESAI, M. B., M.COM., PH.D., Agric.-Economics
DIVETIA, Miss S. H., M.A., M.A.(CANTAB.), Philosophy
GULATI, I. S., M.A., PH.D., Economics
JANI, A. N., M.A., PH.D., Sanskrit
JAVDEKAR, A. G., M.A., PH.D., Philosophy
KANTAK, V. Y., M.A., English
MAHULKAR, D. D., M.A., English
MALIC, S. C., M.SC., Archæology
MEHTA, R. N., M.A., PH.D., DIP.IN.MUSEOLOGY, Archæology
MEHTA, R. N., M.A., English
MISRA, S. C., M.A., PH.D., History
PANCHANDIKAR, Mrs. J. M., M.A., PH.D., Sociology
PANCHANDIKAR, K. C., M.A., PH.D., Sociology
PATEL, R. M., M.A., PH.D., Gujarati
RANA, A. P., M.A., LL.B., B.SC., Economics
RODRIGUES, E. L., M.A., English
SANDESARA, B. J., M.A., PH.D., Gujarati
SANDESARA, J. C., M.A., PH.D., Economics
SINGH, C. P., M.A., Hindi
SOMJEE, A. H., M.A., PH.D., Politics
VANKATRAMANAN, L. S., M.A., PH.D., Economics

Faculty of Science:
BAFNA, S. L., M.SC., PH.D., Physical Chemistry
BHANOT, Mrs. I. V., M.A., M.SC., Statistics
BHATT, N. M., M.SC., PH.D., F.S.S., Statistics
CHAVAN, A. R., PH.D., Botany
DAVE, J. S., M.SC., PH.D., Chemistry
GEORGE, J. C., M.SC., PH.D., Zoology
JANKI, Mrs. V. A., M.A., B.LITT., R.R.G.S., Geography
JOSHI, R. V., M.SC., PH.D., Physics
MANERIKAR, S. D., M.A., Mathematics
MEHTA, A. R., M.SC., PH.D., Botany
MODI, V. V., M.SC., PH.D., Biochemistry
NAIK, R. M., PH.D., Zoology
PANDYA, N. S., M.SC., PH.D., Physics
PATEL, M .M., M.SC., PH.D., Physics
PATEL, M. S., PH.D., Statistics
PATHAK, C. H., M.SC., PH.D., Botany
RAMKRISHNAN, C. V., M.SC., PH.D., Biochemistry
SETHNA, S. M., M.SC., PH.D., Chemistry
SHAH, R. V., M.SC., PH.D., Zoology
SINGH, U. N., M.A., D.PHIL., D.SC., Mathematics
TRIVEDI, K .N., PH.D., Chemistry

Faculty of Medicine:
AMIN, M. G., M.SC., M.B., B.S., Physiology
DAVE, B. T., M.D., M.R.C.P., Medicine
GULATI, O. D., M.D., Pharmacology
JOSEPH, A. D., M.D., F.C.P.S.
NIYOGI, A. K., M.B., B.S., D.P.H., D.I.H., Preventive and Social Medicine
SAHGAL, K. N., M.D., Pathology
SAIYED, B. A., M.D., Pathology
SHRIVASTVA, M. S., M.S., Anatomy

Faculty of Technology nad Engineering:
ACHWAL, M. B., A.R.I.B.A., A.I.I.A., Architecture
BATNI, P. R., B.E.(ELECT.), Electrical Engineering
CHHADUA, N. B., G.D.ARCH., A.I.I.A., Architecture
CHOLKAR, V. B., M.SC., Mathematics
DAMLE, S. K., M.S., A.M.S.C.E., Applied Mechanics
DAVE, N. J., M.E.(CIVIL), Applied Mechanics
DAVE, R. M., B.E.(CIVIL), A.M.I.STRUCT.E., Civil Engineering
DERASARI, J. R., B.E., Mechanical and Electrical Engineering
DESAI, K. P., B.ARCH., D.TROP.ARCH., A.I.I.A., Architecture
DESAI, R. L., M.SC.TECH., PH.D., A.R.I.C., Textile Chemistry
DESAI, S. D., M.SC., Geology
DIGHE, R. S., B.E., A.M.I.E., Applied Mechanics
HIRYUR, N. Y., DR.ING., Applied Mechanics
JOSHI, T. N., B.SC.(ENG.), Mechanical Engineering
KHADILKAR, C. H., B.E., A.M.I.C.E., A.M.E. Civil Engineering
KRISHNAMURTI, K., D.T.T., B.SC.TEXT., Textile Engineering
MADAN, P. J., M.SC., M.E., Applied Mechanics
MAJMMUDAR, H. H., M.SC., D.SC., Geology
MERH, S. S., M.SC., PH.D., Geology
MISTRY, R. J., B.TEXT., Textile Engineering
PANCHAL, M. R., D.E.E., B.E.(ELECT.), D.SC., M.S.F.E., Electrical Engineering
PARIKH, P. V., M.SC., A.M.I.E., Applied Mechanics
PATEL, B. S., M.S.CH.E., Chemical Engineering
PATEL, C. M., M.E., Mechanical Engineering
PATEL, K. H., M.SC., Textile Engineering
PATEL, O. H., M.S., A.M.I.E., Civil Engineering
PATEL, R. C., B.E.(ELECT. & MECH.), A.R.C.S.T.(MECH.), Mechanical Engineering
PATEL, S. L., DIP.ARCH., A.R.I.B.A., Architecture
SEN, S. M., M.SC., D.I.I.SC., PH.D., M.I.R.E., Electrical Engineering
SHAH, C. C., M.SC., Mathematics
SHAH, J. M., B.E.(MECH.), B.E.(ELECT.), Mechanical Engineering
SHAH, K. D., B.E., Electrical Engineering
SHAH, K. S., D.SC.(TECH.), Mechanical Engineering
SHAH, L. B., M.SC.TECH., A.M.C.T., Mechanical Engineering
SHAH, N. A., B.E., A.M.I.STRUCT.E. Civil Engineering
SHAH, R. T., DR.ING., Mechanical Engineering
SHAH, S. J., DR.ING., Textile Engineering
TALATI, A. M., M.SC., PH.D., Chemical Engineering
THAKORE, K. K., B.SC.ENG., Electrical Engineering

Faculty of Education and Psychology:
APTE, D. G., M.A., M.ED., Education
BHATT, L. J., M.A., Psychology
DESAI, B. G., M.A., PH.D., General Education
DESAI, D. M., M.ED., Educational Administration
LELE, T. P., D.ED.(HONS.), Psychology
MUKERJI, S. N., M.A., B.T., T.D., PH.D., DIP. ED. ADMIN., ED.D., Educational Administration
PASRICHA PREM, Miss M. A., PH.D., Psychological Counselling
PATEL, A. S., M.A., M.ED., M.S.(PSY.), M.S.(EDU.), PH.D., Pyschology
PATEL, M. S., M.A., PH.D., T.D., Education
PATHAK, Mrs. P., M.ED., PH.D., Education
QURAISHI, M. A., M.A., M.ED., PH.D., Education
YAJNIK, K. S., M.A., B.T., General Education

Faculty of Commerce:
DHOLAKIA, H. L., B.COM., C.A., Commerce and Business Finance
MEHTA, K. C., B.COM., LL.B., C.A., Accountancy
NAIK, K. N., M.A., PH.D., Co-operation
PATEL, A. G., B.COM., F.C.A., Accountancy
SHAH, B. G., M.COM., Banking
SHUKLA, D. K., M.A., Economics of Growth

Faculty of Fine Arts:
BEDEKAR, V. H., M.A., DIP.IN MUSEOLOGY Museology
BENDRE, N. S., B.A., G.D., Painting
CHAUDHARI, N. N., B.A., DIP. IN ARTS, Sculpture
GAIROLA, C. K., M.A., PH.D., Sculpture
KAPADIA, K. B., G.D.ART., Sculpture
KHOKHAR, M. P., B.A., Dance
MEHTA, R. C., B.A., Music
PANCHOLI, B. N., D.T., G.D.ART., A.M., Applied Arts
SHUKIA, S. O., SANGIT PRAVIN, SANGIT RASRAJ, Vocal Music
SUBRAMAYAN, K. G., DIP. IN ARTS, Painting

Faculty of Home Science:
CHARI, P. S., M.SC., Home Science Education
MUKERJI, Mrs. R. S., M.A., Child Development
PANDIT, Miss S. S., B.SC., Clothing and Textiles
SINGH, Kumari J., M.SC., Clothing Textiles
VERMA, Mrs. A. B., B.A.(HONS.), M.F.D., M.A., Child Development

Faculty of Social Work:
DADLANI, G. G., M.S.W., M.SC., Social Work
KAVOORI, J. C., M.A., Social Work
MAJMUDAR, S. K., B.SC., M.S.W., Social Work
PATEL, Miss I. M., B.A., M.S.W., Social Work
SHARMA, K. M., B.A., M.S.W., Social Work
TAYAL, Mrs. I. S., M.S.(U.S.A.), M.S.W., Social Work

Faculty of Law:
DHOLAKIA, H. C., M.A., LL.B., LL.M., Law
SHAH, N. J., B.A., LL.B., Law

CONSTITUENT COLLEGES:

Baroda Sanskrit Mahavidyalaya: Baroda; f. 1915.

College of Indian Music: Dance and Dramatics, Baroda; f. 1886.

Oriental Institute: Baroda; f. 1927.

Polytechnic: Baroda; f. 1957.

Preparatory Unit: Baroda; f. 1957.

UNIVERSITY OF BIHAR

SAHNAYA BHAVAN, MUZAFFARPUR, BIHAR

Telephone: 537.

Founded 1952, re-established 1960; Teaching and Affiliating.

Chancellor: THE GOVERNOR OF BIHAR.
Vice-Chancellor: Dr. P. D. SRIVASTAVA, D.PHIL., F.N.I.
Registrar: Dr. K. S. VARMA, M.A.(ENG.), M.A.(PHIL.).

Number of teachers: 1,009.
Number of students: 28,743.

DEANS:

Faculty of Agriculture: Dr. C. THAKUR.
Faculty of Arts: Dr. H. R. GHOSHAL, D.LITT.
Faculty of Commerce: Sri K. N. SRIVASTAVA, M.COM.
Faculty of Education: Sri R. S. SINGH, M.A.
Faculty of Engineering: Sri D. P. SINHA.
Faculty of Law: (Vacant).
Faculty of Medicine: Dr. T. B. GUPTA.
Faculty of Science: Dr. L. K. MISHRA, M.SC., PH.D.

PROFESSORS:

GHOSAL, H. R., M.A., D.LITT., B.L., History
SINGH, K. P., M.SC., PH.D., Mathematics
SRIVASTAVA, U., M.SC., D.PHIL., M.ED., O.I.C., Zoology

The University maintains the following teaching departments: Economics (Muzaffarpur; f. 1952), English (Muzaffarpur; f. 1952), Hindi (Muzaffarpur; f. 1952), History (Muzaffarpur; f. 1952), Mathematics (Muzaffarpur; f. 1952), Sanskrit (Muzaffarpur; f. 1953), Philosophy (Muzaffarpur; f. 1953), Chemistry (Muzaffarpur; f. 1954), Physics (Muzaffarpur; f. 1954), Psychology (Muzaffarpur; f. 1954), Political Science (Muzaffarpur; f. 1958), Zoology (Muzaffarpur; f. 1958), Political Science, Economics, Maithili, English (C.M. College Darbhanga; f. 1962), Urdu (Muzaffarpur; f. 1963), Commerce and Hindi (C.M. College; Darbhanga; f. 1963).

CONSTITUENT COLLEGES:

Langat Singh College: Muzaffarpur; f. 1889.
Principal: M. PRATAP.

C.M. College: Dharbhanga.
Principal: L. K. MISHRA, M.SC., PH.D.

M.D.D. Mahila College: Muzaffarpur.
Principal: Mrs. LALITA SINHA, M.A.

GOVERNMENT COLLEGES:

Darbhanga Medical College: Laheriasarai, Darbhanga; f. 1963.
Principal: Dr. T. B. GUPTA.

Muzaffarpur Institute of Technology: Muzaffarpur.
Principal: D. P. SINHA.

Tirhut College of Agriculture: Dholi, P.O. Pusa, Darbhanga.
Principal: Dr. C. THAKUR.

AFFILIATED COLLEGES:

D.A.V. College: Jainagar, Darbhanga; f. 1960.
Principal: M. N. GIRI.

D.B. College: Jainagar, Darbhanga; f. 1960.
Principal: N. P. SINGH.

Dr. S. K. Sinha Women's College: Motihari; f. 1959.
Principal: Miss E. SAMUEL.

G.M.R.D. College: Mohanpur, Via-Mohiuddin Nagar, Darbhanga; f. 1960.
Principal: (Vacant).

Gopalganj College: Gopalganj, Saran; f. 1957.
Principal: R. P. SINGH.

Gopeshwar College: Hathwa, Saran; f. 1956.
Principal: D. N. SAHAYA.

Jagdam College: Chapra; f. 1955.
Principal: S. K. M. SINGH.

Jagdish Nandan College: Madhubani, Darbhanga; f. 1959.
Principal: K. K. CHOUDHARY.

Jai Prakash Mahila Mahavidyalaya: Chapra; f. 1957.
Principal: Dr. S. L. VARMA (acting).

Janta College: Jhanjharpur, Darbhanga; f. 1959.
Principal: R. R. MISHRA.

J.S. College: Chandauli, Belsand; f. 1959.
Principal: J. C. SINHA.

K.J.K. College: Bettiah, Champaran; f. 1955.
Principal: A. KUMAR.

Lakshmi Narain College: Bhagwanpur; f. 1958.
Principal: B. P. SINHA.

Mahanth S.S. Giri College: Areraj; f. 1962.
Principal: A. MUKHARJEE.

Marwari Mahavidyalaya: Darbhanga; f. 1959.
Principal: N. P. SINHA.

Millat College: Laheriasarai, Darbhanga; f. 1957.
Principal: I. H. RIGIVI.

M.L.S. College: Sarisabpahi, Darbhanga; f. 1959.
Principal: P. U. JHA.

Munshi Singh College: Motihari; f. 1945.
Principal: B. SINGH.

Pandual College: Pandual, Darbhanga; f. 1959.
Principal: J. PANDEY.

Prabhunath College: Parsa, Saran; f. 1959.
Principal: S. SINHA.

Raj Narayan College: Hajipur; f. 1952.
Principal: N. C. BHATTACHARJEE.

Rajendra College: Chapra; f. 1938.
Principal: U. A. GOSWAMI.

Ram Dayalu Singh College: Muzaffarpur; f. 1948.
Principal: G. P. SINGH.

Ram Krishna College: Madhubani, Darbhanga; f. 1941.
Principal: A. K. DUTTA.

R.B. College: Dalsingsarai; f. 1960.
Principal: S. N. SHARMA.

R.G.R. College: Maharajganj, Saran; f. 1962.
Principal: B. S. CHAUHAN.

Rosera College: Rosera, Darbhanga; f. 1960.
Principal: S. N. THAKUR (acting).

R.P.S. College: Jaintpur; f. 1958.
Principal: R. PRASAD.

Samastipur College: Samastipur; f. 1949.
Principal: C. S. 'KESHRI'.

Shahpur Patori College: Shahpur Patori, Darbhanga; f. 1960.
Principal: S. K. JAISWAL.

S.K.J. Law College: Muzaffarpur; f. 1948.
Principal: N. P. SINHA.

S.R.K. Geoenka College: Sitamarhi, Muzaffarpur; f. 1949.
Principal: R. P. AGRAWAL.

UNIVERSITY OF BOMBAY

BOMBAY, 1

Telephone: 255341-3.

Founded 1857; Teaching and Affiliating.

Chancellor: H.E. THE GOVERNOR OF MAHARASHTRA.
Vice-Chancellor: R. V. SATHE, M.D., M.R.C.P.
Rector: G. D. PARIKH, M.A.
Registrar: T. V. CHIDAMBARAN, B.A.
Librarian: D. N. MARSHALL, M.A., DIP.LIB.

Number of students: 59,298.

Publications: *Journal of the University of Bombay, General Education Quarterly, University Handbook Parts I-IV, University Series in Monetary*

and International Economics, University Economics Series, University Sociology Series, University of Bombay Studies, Sanskrit, Prakrit and Pali, Research Publications under University Grants Commission scheme of subsidy, *Zoological Memoirs, Botanical Memoirs.*

DEANS:

Faculty of Arts: D. S. AGASHE, M.A.
Faculty of Science: K. R. GUNJIKAR, M.A.
Faculty of Technology: C. R. SANE, G.B.V.C., F.R.V.C.S.
Faculty of Law: P. T. BORALE, PH.D.
Faculty of Medicine: D. D. BAINJI, M.D., F.C.P.S.
Faculty of Commerce: D. R. SAMANT, M.A.
Faculty of Dentistry: V. M. KHER, L.D.SC., L.B., D.D.S., L.D.S., R.C.S., F.I.C.D.

PROFESSORS:

Faculty of Arts:
BANNERJEE, G. C., M.A., English
BASU, K. S., M.B.B.S., Business Management
BRAHMANANDA, P. R., M.A., PH.D., Monetary Economics
DASTUR, A. J., M.A., PH.D., Politics
HAZARI, R. K., M.A., PH.D., Industrial Economics
KAPADIA, K. M., PH.D., Sociology
LAKDAWALA, D. T., M.A., PH.D., Economics
MARSHALL, D. N., Library Services
MUKERJI, N., M.SC., PH.D., Applied Psychology
SHRIKHANDE, S. S., M.SC., PH.D., Mathematics
VELANKAR, H. D., M.A., Sanskrit

Faculty of Law:
IRANI, P. K., M.A., LL.M., Law

Faculty of Technology:
ALTEKAR, V. A., M.S., D.SC.MET., Metallurgical Engineering
DARUWALA, E. H., M.SC., PH.D., F.R.I.C., Textile Chemistry
JOSHI, M. V., B.SC., A.M.I.E., Engineering
KANE, J. G., M.SC., PH.D., A.I.I.SC., A.M.I.CHEM.E., Oil Technology
KHORANA, M. L., M.S., Pharmaceutical Chemistry
NABAR, G. M., M.SC., PH.D., F.R.I.C., Chemical Technology
PADHYE, M. R., M.SC., PH.D., Applied Physics
POTNIS, S. P., M.SC., PH.D., Polymer Technology
RAMASWAMY, N. S., B.SC., B.E., Industrial Management
REGE, D. V., PH.D., Food Technology
SHARMA, M. M., M.SC., PH.D., Chemical Engineering
TILAK, B. D., PH.D., D.PHIL., Dyeing Technology

CONSTITUENT COLLEGES:

Bandra College of Commerce and Economics: Bandra, Bombay 50; f. 1961.
Principal: P. N. GIDWANI, B.A., B.SC., B.LITT., BAR.-AT-LAW.

Bombay Veterinary College: Parel, Bombay 12; f. 1886.
Principal: S. L. MANJREKAR, G.B.V.C., PH.D.

Carmel College for Women: Nuvem, Goa; f. 1964.
Principal: Sister M. VALERIA, A.C.

Chinai College of Commerce: Andheri, Bombay 69; f. 1963.
Principal: D. R. SAMANT, M.A.

College of Nursing: Bombay 8; f. 1960.
Principal: Smt. M. BALSARA, M.SC. (NURSING).

D. G. Ruparel College: Mutanga, Bombay 16; f. 1952.
Principal: N. V. BHIDE, M.SC., PH.D.

Elphinstone College: Fort, Bombay; f. 1860.
Principal: P. S. REGE, B.A., B.SC. (ECON.) (LOND.).

Goa College of Pharmacy: Panjim, Goa; f. 1963.
Principal: Dr. M. A. D. AFFONSO, M.SC., PH.D.

Goa Education Society's Dhempe College of Arts and Science: Panjim, Goa; f. 1962.
Principal: Y. V. LAWANDE, M.SC., PH.D.

Goa Medical College: Panjim, Goa; f. 1963.
Dean: A. C. DUARTE MONTEIRO, M.SC., M.B.

Government Dental College and Hospital: St. George's Hospital Compound, Bombay.
Principal: K. L. SHOURIE, M.B.B.S., M.D.S., M.SC., PH.D.

Government Law College: Bombay 8; f. 1855.
Principal: T. K. TOPE, M.A.

Grant Medical College: Byculla, Bombay 8; f. 1860.
Dean: D. V. VIRKAR, M.S., F.R.C.S.E.

Hazarimal Zomani College of Arts and Science: Bombay 7; f. 1965.
Principal: S. M. PAREKH, M.SC.

H.R. College of Commerce and Economics: Bombay 1; f. 1960.
Principal: H. C. MALKANI, M.A.

Institute of Science: Fort, Bombay 1; f. 1926.
Director: K. SOHONIE, M.SC., PH.D.

Ismail Yusuf College: Jogeshwari, Bombay 60; f. 1930.
Principal: K. R. POTDAR, M.A., PH.D., D.LITT.

Jai Hind College and Basantsing Institute of Science: 23-4 Backbay Reclamation, Bombay 1; f. 1948.
Principal: T. G. KHUBCHANDANI, M.SC.

Khalsa College: Matunga, Bombay 19; f. 1937.
Principal: L. G. KHEDEKAR, M.A.

D.E. Society's Kirti M. Doongursee College of Arts and Science: Dadar, Bombay 28; f. 1954.
Principal: M. P. REGE, M.A.

Kishinchand Chellaram College: Dinshaw Wacha Road, Bombay 1; f. 1954.
Principal: K. M. KUNDNANI, M.SC.

Kishinchand Chellaram Law College: Dinshaw Wacha Road, Bombay 1; f. 1955.
Principal: K. GOPALDAS, B.A., LL.B.

M.E. Society's New Law College: Matunga, Bombay 16; f. 1954.
Principal: M. S. VIDWANS, B.A., LL.B.

Maharshi Dayanand Education Society's College of Arts and Science: Parel, Bombay 12.
Principal: H. R. KARNIK, M.A., PH.D.

Megji Mathradas College of Arts and Narrondass Manordas Institute of Science (Bhavan's College): Andheri, Bombay 58; f. 1946.
Principal: B. M. NAIK, M.A.

Municipal Medical College: Sion, Bombay 22; f. 1964.
Dean: Smt. A. S. PUNDE, M.D.

Nair Hospital Dental College: Lamington Road, Bombay 8; f. 1954.
Dean: Dr. M. S. N. GINWALLA, D.SC., D.D.S., M.SC., F.I.C.D. (acting).

Narsee Monjee College of Commerce and Economics: Vile Parle (West), Bombay 56; f. 1964.
Principal: G. GADGIL, M.A.

Nossa Senhora da Piedade Institute of Education: Panjim, Goa; f. 1963.
Principal: Miss TERESSA KALATHIVEETIL, M.A., PH.D.

Parle College: Vile Parle, Bombay 57, f. 1959.
Principal: P. M. POTDAR, M.A.

M.L. Dahanukar College of Commerce: Vile Parle (East), Bombay 57; f. 1960.
Principal: Shri M. D. LIMAYE, M.COM.

Ramnarain Ruia College: Matunga, Bombay 19; f. 1937.
Principal: B. Y. OKE, M.SC.

Ramniranjan Jhunihunevala College: Ghatkopar, Bombay 77; f. 1963.
Principal: N. N. MURTI, PH.D., D.I.C.

R. A. Podar College of Commerce and Economics: Matunga, Bombay 19; f. 1941.
Principal: G. P. PALEKAR, M.COM.

Rishi Dayaram and Seth Hassaram National College and Seth Wassiamul Assomul Science College: Bandra, Bombay 50; f. 1949.
Principal: K. H. NOTANI, M.A.

Sadhana School of Educational Research and Training: Ghatkopar (West), Bombay.
Principal: N. N. SHUKLA, M.ED., PH.D.

Sardar Patel College of Engineering: Andheri, Bombay 58.
Principal: R. H. CHOKHAVATIA, B.E.

Secondary Training College: Cruickshank Road, Bombay 1; f. 1906.
Principal: N. R. PARASNIS, M.A., T.D., PH.D.

Seth G. S. Medical College: Parel, Bombay 12; f. 1925.
Dean: S. V. JOGLEKAR, M.S.

Seth Laherchand Uttamchand Jhaveri College of Arts and Sir Mathuradas Vissanji College of Science: Andheri, Bombay 69; f. 1963.
Principal: R. D. ACLATIA, M.SC., PH.D., F.B.S.

Siddharth College of Arts and Science: Fort, Bombay; f. 1946.
Principal: J. V. DESHPANDE, M.SC., PH.D.

Siddharth College of Commerce and Economics: Fort, Bombay 1; f. 1953.
Principal: C. G. SURVE, M.A.

Siddharth College of Law: Fort, Bombay 1.
Principal: P. T. BORALE, B.A., LL.B.

Sir J. J. College of Architecture: Fort, Bombay 1; f. 1952.
Principal: W. J. DE LIMA, G.D.ARCH., A.I.I.A.

Smt. Parvatibai Chowgule Cultural Foundation's College of Arts and Science: Margao, Goa; f. 1962.
Principal: D. B. WAGH, M.A.

Somaiya Vidyavihar's K. J. Somaiya College of Arts and Science: Ghatkoper, Bombay 77.
Principal: M. N. PANDIA, M.A., PH.D.

Sophia College for Women: Bhulabhai Desai Road, Bombay 26; f. 1940.
Principal: Moth. M. BRAGANZA, M.A.

South India Education Society's College of Arts and Science: Sion-West Bombay 22; f. 1960.
Principal: R. JOSHI, M.A.

Sri Admar Mutt Education Council's College of Arts and Science: Dahisar, Bombay 68; f. 1963.
Principal: K. N. ACHARYA, M.A.

St. Xavier's College: Mapuca, Goa; f. 1963.
Principal: Rev. Fr. N. G. PEREIRA, M.SC., PH.D.

St. Xavier's College: Cruickshank Road, Fort, Bombay 1, B.I.; f. 1869; managed by Fathers of Society of Jesus.
Principal: J. C. AFONSO, S.J., M.A., PH.D., F.R.A.S.

St. Xavier's Institute of Education: 15 New Marine Line, Bombay 1; f. 1953.
Principal: Rev. Fr. A. SOLAGRAN, S.J., M.A., PH.D., D.D.

Sydenham College of Commerce and Economics: Fort, Bombay 1; f. 1913.
Principal: B. R. DHEKNEY, M.A., PH.D.

19

The Chikitsaka Samuha's Sir Sitaram and Lady Shantabai Patkar College of Arts and Science: Goregaon (West), Bombay 62.
Principal: A. N. KOTHARE, M.SC.

Topiwala National Medical College: Lamington Road (North), Bombay 8; f. 1921.
Dean: T. H. RINDANI, M.D.

Victoria Jubilee Technical Institute: College Road, Matunga, Bombay 19; f. 1946.
Principal: R. K. MODY, M.SC.(TECH.), A.M.C.T., A.T.I.

Vile Parle Kelavni Mandal's Mithibai College of Arts and Chauhan Institute of Science: Vile Parle, Bombay 56.
Principal: A. B. YAJNIK, M.A.

Wilson College: Chowpatty, Bombay 7; f. 1832; college maintained by Church of Scotland; now under Board of United Church of N. India.
Principal: J. W. AIRAN, M.SC., PH.D.

RECOGNISED POSTGRADUATE INSTITUTIONS:

All-India Institute of Local Self-Government: 11 Horniman Circle, Fort, Bombay 1.

Anjuman-i-Islam Urdu Research Institute: 92 Dr. Dadabhoy Nowroji Road, Bombay; f. 1946.

Atomic Energy Establishment: Trombay, Bombay 73.

Bharatiya Vidya Bhavan: Chowpatty, Bombay 7; f. 1938.

Bombay Labour Institute: Parel, Bombay 12.

Bombay Natural History Society: Hornbill House, Apollo Street, Bombay 1.

Demographic and Training Research Centre: Chembur, Bombay 71.

Haffkine Institute: Parel, Bombay 12; f. 1896.

Indian Cancer Research Centre: Parel, Bombay 12; f. 1950.

Marathi Sanshodhan Mandal: Mumbai Marathi Granth Sangrahalaya, Dadar, Bombay 14; f. 1948.

Naval Chemical and Metallurgical Laboratory: Naval Dockyard, Bombay 1.

Prince of Wales Museum of Western India: Bombay 1.

School of Social Work: Nirmala Niketan, 38 New Marine Lines, Bombay 1.

Taraporewala Marine Biological Research Station: Bombay 2; f. 1945.

Tata Institute of Fundamental Research: Colaba, Bombay; f. 1945.

Tata Memorial Hospital: Hospital Avenue, Parel, Bombay 12.

Technological Laboratory, Indian Central Cotton Committee: Bombay 19.

UNIVERSITY OF BURDWAN

BURDWAN, WEST BENGAL

Founded 1960; Teaching and Affiliating.

Chancellor: H.E. GOVERNOR OF WEST BENGAL.
Vice-Chancellor: B. K. GUHA.
Registrar: S. M. CHATTERJEE.

Number of teachers: 850.
Number of students: 23,900.
There are 38 affiliated colleges.

UNIVERSITY OF CALCUTTA

CALCUTTA 12

Telephone: 34-3014-19.
Telegraphic Address: University Calcutta.

Founded 1857: Teaching and Affiliating

Chancellor: H.E. THE GOVERNOR OF WEST BENGAL (*ex officio*).
Vice-Chancellor: B. MALIK, M.A., LL.D., BAR.-AT-LAW.
Registrar: Dr. G. RAYCHAUDHURI, M.A., LL.B., PH.D.
Librarian: P. C. BOSE, B.A., DIP.LIB. (A.L.A.).

The library contains 420,988 volumes.
Number of professors: 28.
Number of students: 117,072.

DEANS:

Faculty of Agriculture: P. SEN, M.SC., PH.D., D.I.C.
Faculty of Arts: A. C. BANERJES, M.A., PH.D.
Faculty of Commerce: Prof. S. N. SEN, M.A., PH.D.
Faculty of Education: A. BANERJEE, M.A., PH.D.
Faculty of Engineering: A. C. RAY, B.SC. (HONS.) (GLASGOW), A.M.I.MECH.E., M.I.E.(IND.).
Faculty of Fine Arts and Music: G. BHATTACHARYYA, M.A., D.LITT.
Faculty of Journalism: C. K. BHATTACHARYYA, M.A., LL.B., M.P.
Faculty of Law: Hon. Justice P. B. MUKHARJI, B.A., LL.B., BAR.-AT-LAW.
Faculty of Medicine: S. SEN, M.B., M.R.C.P.
Faculty of Science: D. CHAKRAVARTY, D.SC., F.N.I.
Faculty of Technology: J. BHAR, D.SC., F.N.I.
Faculty of Veterinary Science: B. SENGUPTA, M.B., M.D. (FREIBURG).

PROFESSORS:

BANERJEE, A. C., M.A., PH.D., History
BANERJEE, A. C., M.A., PH.D., Pali
BASU, P. K., M.SC., D.PHIL., Statistics
BASU, S. K., M.SC., Psycholo

BHADURI, J. L., D.SC., Zoology
BHAR, J. N., D.SC., Radiophysics and Electronics
BHATTACHARYYA, A., M.A., PH.D., Sanskrit
BHATTACHARYYA, G., M.A., P.R.S., Philosophy
BHATTACHARYYA, K. C., D.SC., Applied Chemistry
BISI, P. N., M.A., Bengali
BOSE, A., M.A., DR.PHIL., English
CHAKRABARTY, D., D.SC., F.N.I., Pure Chemistry
CHATTERJEE, Mrs. A., D.SC., Pure Chemistry
CHAKRABARTY, S. K., D.SC., F.N.I., Applied Mathematics
CHATTERJEE, S., M.SC., T.D., PH.D., D.LITT., F.G.S., Geography
DATTA, A. K., M.A., Economics
DATTA, A. K., D.SC., F.N.I., Pure Physics
GHOSH, B., D.SC., Chemistry
MUKHERJEE, S. K., M.A., Political Science
RAY, N. C., M.A., PH.D., Political Sicience
RAY, N. R., M.A., D.LITT. AND PHIL., DIP.LITT., Ancient Indian History
RAY, S., M.A., D.PHIL., Islamic History and Culture
RAY, S. C., D.SC., Biochemistry
SARASWATI, S. K., Archæology
SARKAR, D. C., M.A., PH.D., Ancient Indian History and Culture
SARKAR, S. M., M.SC., PH.D., Botany
SEN, P. K., M.SC., PH.D., D.SC., Agriculture
SEN, S. N., M.A., PH.D., Economics
SENGUPTA, A. K., D.SC., A.M.I.E.E., Applied Physics
SINHA, N. K., M.A., PH.D., Medieval and Modern Indian History

UNIVERSITY COLLEGES:

University College of Arts: f. 1954.

University College of Commerce: f. 1954.

University College of Law: f. 1909.

University College of Medicine: f. 1957.

University College of Science: f. 1954.

University College of Technology: f. 1954.

CONSTITUENT COLLEGES:

All India Institute of Hygiene and Public Health: 110 Chitaranjan Avenue, Calcutta; f. 1932.

Bengal Engineering College: Botanic Gardens, Shibpur Howrah; f. 1856.

David Hare Training College: 25/3 Ballygunge Circular Road, Calcutta; f. 1908.

Medical College: 88 College Street, Calcutta; f. 1835.

Presidency College: 86/1 College Street, Calcutta; f. 1817.

R. G. Kar Medical College: 1 Balgachia Road, Calcutta; f. 1916.

Sanskrit College: Bankim Chatterjee Street, Calcutta; f. 1824.

AFFILIATED COLLEGES:

Acharyya Prafullachandra College: Po. Aharampore, 24-Paraganas; f. 1960.

Ananda Mohan College: 102/1 Amhurst Street, Calcutta 9; f. 1961.

Anandachandra Training College: Jalpaiguri; f. 1958.

Asutosh College: 92 Syamaprasad Mookerjee Road, Calcutta 26; f. 1916.

Bagnan College: Bagnan (Howrah); f. 1958.

Bangabasi College: 19 Scott Lane, Calcutta; f. 1887.

Bankim Sardar College: Tangrakhali (24 Parganas); f. 1955.

Bankura Sammilani Medical College: Bankura; f. 1956.

Barasat Government College: Barasat (24 Parganas); f. 1950.

Basanti Devi College: 147-A Rashbehari Avenue, Calcutta; f. 1959.

Basirhat College: Basirhat (24 Parganas); f. 1947.

Bengal Ceramic Institute: 71 Abinash Chandra Banerjee Road, Calcutta 10; f. 1962.

Bengal Music College: 4 Hindustan Road, Calcutta; f. 1940.

Bengal Veterinary College: Belgachia, Calcutta; f. 1893.

Berhampore Girls' College: Berhampore (Murshidabad); f. 1946.

Bethune College: 181 Cornwallis Street, Calcutta; f. 1849.

Brahmananda Keshab Chandra College: Bon-Hooghly, Calcutta 35; f. 1956.

Calcutta Dental College: 114 Lower Circular Road, Calcutta; f. 1920.

Charuchandra College: 109-2 Lake Road, Calcutta 29; f. 1947.

Chittaranjan Seva Sadan: 148 Syamaprasad Mookerjee Road, Calcutta 26; f. 1949.

City College: 102-1 Amherst Street, Calcutta; f. 1881.

City College of Commerce and Business Administration: 13 Suryya Sen Street, Calcutta 9; f. 1961.

College of Commerce: Midnapur; f. 1961.

College of Leather Technology: Canal South Road, Calcutta 15; f. 1919.

College of Textile Technology: Berhampore (Murshidabad); f. 1958.

Deshbandhu College for Girls: 58/A Sadananda Road, Calcutta; f. 1950.

Dinabandhu Andrews College: Vaishnabghata, Garia (24 Parganas); f. 1956.

Dinabandhu Institution: 412/1 G.T. Road, Sibpur (Howrah); f. 1948.

Dinabandhu Mahavidyalaya: Bongaon (24 Parganas); f. 1947.

Dum Dum Moti Jheel College: Dum Dum; f. 1950.

Fakir Chand College: Diamond Harbour (24 Parganas); f. 1948.

Garbeta College: Garbeta (Midnapur); f. 1948.

Girls' College: 5/3 Mahatma Gandhi Road, Howrah; f. 1947.

Gobardanga Hindu College: Gobardanga (24 Parganas); f. 1947.

Goenka College of Commerce and Business Management: 210 Bowbazar Street, Calcutta; f. 1951.

Gokhale Memorial Girls' College: 1/1 Harish Mukherjee Road, Calcutta; f. 1920.

Gurudas College: Narikeldanga, Calcutta; f. 1956.

Heramba Chandra College: 23/49 Gariahata Road, Calcutta; f. 1961.

Hiralal Majumdar Memorial College for Women: Dakhineswar, Calcutta; f. 1959.

Indian Institute of Social Welfare and Business Management: College Square, East, Calcutta 12; f. 1953.

Institute of Child Health: 95 Dilkhusa Street, Calcutta 17; f. 1961.

Institute of Education for Women: Hastings House, Alipur, Calcutta; f. 1954.

Jangipur College: Jangipur (Murshidabad); f. 1950.

Jhargram Raj College: Jhargram (Midnapur); f. 1949.

Jiaganj College of Commerce: Jiaganj, Murshidabad; f. 1962.

Jogamaya Devi College: 92 Syamaprasad Mookerjee Road, Calcutta 26; f. 1958.

Kandi Raj College: Kandi (Murshidabad); f. 1950.

Kharagpur College: Kharagpur; f. 1940.

Khudiram Bose Central College: 71/2A Cornwallis Street, Calcutta; f. 1956.

Krishnagar College: Krishnagar (Nadia); f. 1846.

Krishnagar Girls' College: Krishnagar; f. 1958.

Krishnath College: Berhampore (Murshidabad); f. 1853.

Lady Brabourne College: P-1/2 Suhrawardy Avenue, Calcutta; f. 1938.

Loreto College: 7 Middleton Row, Calcutta; f. 1912.

Maharaja Bir Bikram College: Agartala; f. 1947.

Maharaja Manindrachandra College: 20 Ramkanta Bose Street, Calcutta; f. 1941.

Mahishadal Raj College: Mahishadal (Midnapur); f. 1946.

Maulna Azad College: 8 Wellesley Street, Calcutta; f. 1926.

Midnapore College: Midnapore; f. 1873.

Murlidhar Girls' College: 4 Hindustan Road, Calcutta; f. 1940.

Nabadwip Vidyasagar College: Nabadwip (Nadia); f. 1942.

Narsinha Dutt College: 129 Belilios Road, Howrah; f. 1924.

National Medical College: Gorachand Road, Calcutta; f. 1948.

Nilratan Sircar Medical College: 138 Lower Circular Road, Calcutta; f. 1948.

Panskura Banamali College: P.O. Pahskura, Midnapur; f. 1961.

P.N.D. College: Santinagar (24 Parganas); f. 1962.

Prabhat Kumar College: Contai (Midnapur); f. 1926.

Prafullachandra College: 23/49 Gariahata Road, Calcutta; f. 1961.

Rabinora Sata Barsiki College: Ghatal, Midnapur; f. 1961.

Raja Narendralal Khan Women's College: Midnapur; f. 1957.

Ramkrishna Mahavidyalaya: Kailashahr (Tripura); f. 1950.

Ramkrishna Mission College: Narendrapur (24 Parganas); f. 1960.

Ramkrishna Mission Vidyamandir: Belur Math (Howrah); f. 1941.

Ramkrishna Mission Sikshan Mandir: Belur Math (Howrah); f. 1958.

Ramsaday College: Amta (Howrah); f. 1946.

Rammohan College: 102/1 Amherst Street, Calcutta 9; f. 1961.

Ranaghat College: Ranaghat (Nadia); f. 1950.

Rani Birla Girls' College: 78 Syed Amir Ali Avenue, Calcutta 19; f. 1961.

Rastraguru Surendranath College: Barrackpur (24 Parganas); f. 1953.

Rishi Bankim Chandra College: Naihati (24 Parganas); f. 1947.

Sangit Bharati: 25 Syamaprasad Mookerjee Road, Calcutta; f. 1943.

Santipur College: Santipur (Nadia); f. 1948.

Sarojini Naidu College for Women: Dum Dum; f. 1956.

Sevayatan Sikshan Mahavidyalaya: P.O. Sevayatan, Via.-Jhargram (Midnapur); f. 1960.

School of Tropical Medicine: Calcutta; f. 1921.

Scottish Church College: 4 Azad Hind Bagh, Calcutta; f. 1830.

Seth Anandram Jaipuria College: 10 Raja Naba Kissen Street, Calcutta; f. 1945.

Seth Soorajmal Jalan Girls' College: 186 Chittaranjan Avenue, Calcutta; f. 1954.

Sibanath Sastri College: 23/49 Gariahata Road, Calcutta; f. 1961.

Sitananda College: Nandigram, Midnapur; f. 1960.

South Calcutta Girls' College: 72 Sarat Bose Road, Calcutta; f. 1932.

Sri Chaitanya College: Habra; f. 1956.

Srikrishna College: Bogoola (Nadia); f. 1950.

Sripat Singh College: Jiaganj (Murshidabad); f. 1949.

Sri Ramakrishnan Sarada Mission Vivekananda Bidyabhavan: 33 Nayapalli Road, Dum Dum, Calcutta 28; f. 1961.

Sri Shikshayatan College: 11 Lord Sinha Road, Calcutta; f. 1955.

St. Paul's C.M. College: 33/1 Amherst Street, Calcutta; f. 1865.

Sundarban Haxi Dasarat College: P.O. Bat-Tali, Via-Pathan-Khati (24 Parganas), Midnapur; f. 1961.

St. Xavier's College: 30 Park Street, Calcutta; f. 1860.

Surendranath College: 24 Harrison Road, Calcutta; f. 1884.

Surendranath College for Women: 24 Harrison Road, Calcutta 9; f. 1960.

Surendranath College of Commerce: 24 Mahatma Gandhi Road, Calcutta.

Surendranath Law College: 24 Harrison Road, Calcutta; f. 1885.

Syamaprasad College: 92 Syamaprasad Mookerjee Road, Calcutta 26; f. 1958.

Taki Government College: Taki (24 Parganas); f. 1950.

Tamralipta Mahavidyalaya: Tamluk, Midnapur; f. 1948.

Uluberia College: Uluberia (Howrah); f. 1948.

Umeshchandra College: 13 Suryya Sen Street, Calcutta; f. 1961.

Union Christian Training College: Berhampore; f. 1937.

Victoria Institution for Girls: 78-B Upper Circular Road, Calcutta; f. 1932.

Vidyasagar College: 39 Sankar Ghosh Lane, Calcutta; f. 1872.

Vidyasagar Evening College: 39 Sankar Ghosh Lane, Calcutta 6; f. 1961.

Vidyasagar College for Women: 39 Sankar Ghosh Lane, Calcutta 9; f. 1960.

Viharilal College of Home Science: Hastings House, Calcutta; f. 1957.

Vijaygarh Jyotis Roy College: Vijaygarh, Calcutta 32; f. 1950.

Vivekanada College: Barisha (24 Parganas); f. 1950.

Vivekanada College for Women: Barisha, Calcutta 8; f. 1961.

Women's College: 204 Cornwallis Street, Calcutta; f. 1937.

Women's Christian College: 6 Greek Church Row, Kalighat, Calcutta; f. 1945.

RECOGNISED INSTITUTIONS:

Dufferin Hospital: Calcutta 9; f. 1886.

Institute of Post-Graduate Medical Education and Research: 244 Lower Circular Road, Calcutta; f. 1957.

School of Anaesthesiology, Calcutta: 244 Lower Circular Road, Calcutta; f. 1953.

UNIVERSITY OF DELHI

DELHI 6

Telephone: 221421.
Telegraphic Address: University, Delhi.

Founded 1922: Teaching and Affiliating.

Chancellor: Dr. ZAKIR HUSSAIN, Vice-President of India.
Pro-Chancellor: The Hon. Chief Justice Shri B. P. SINHA.
Vice-Chancellor: C. D. DESHMUKH.
Registrar: L. V. WELINGKAR, B.SC.
Librarian: S. DAS GUPTA, M.A.

The library contains 225,000 volumes.
Number of professors: 39.
Number of students: 30,640.

DEANS:

Faculty of Arts: R. K. DAS GUPTA, M.A., P.R.S., D.PHIQ.
Faculty of Science: R. C. MAJUMDAR, D.PHIL.NAT.
Faculty of Law: M. RAMASWAMY, B.A., B.L.
Faculty of Medical Sciences: Miss M. CHAUDHURY, M.B., B.S., F.R.C.S.
Faculty of Education: P. K. ROY, M.A., B.ED.
Faculty of Social Sciences: S. N. VARMA, M.A., PH.D.
Faculty of Technology: S. C. SEN, B.SC.(MECH.ENG.).
Faculty of Music: Prof. R. L. ROY.

PROFESSORS:

AULUCK, F. C., M.A., D.SC., Physics
BISHESHWAR PRASAD, Dr., M.A., D.LITT., History
BISWAS, P. C., M.SC., PH.D., Anthropology
CHAKRAVARTI, M. A., PH.D., Mathematical Economics
CHOUDHURI, N. N., M.A., D.LITT., Sanskrit
DAS GUPTA, Dr. A., Business Management
DAS GUPTA, R. K., M.A., PH.D., Bengali
DASS, C. M. S., M.SC., PH.D., Zoology
FARUQI, K. A., M.A., PH.D., Urdu
GANGULI, H. C., M.A., PH.D., D.LITT., Philosophy and Psychology
GUPTA, S. D., M.A., Library Science
GOKHALE, V. V., M.A., PH.D., Buddhist Studies
JAIN, B. D., M.SC., PH.D., D.I.C., Organic Chemistry
JOHRI, B. M., M.SC., D.SC., Geography
KOTHARI, L. S., M.SC., PH.D., Physics
KURYAN, G., Geography
MAHESHWARI, P., D.SC., F.N.I., Botany
MAJUMDAR, R. C., D.PHIL.NAT., Physics
MITRA, R. P., M.SC., D.SC., Chemistry
NAGENDRA, M.A., D.LITT., Hindi
PRASAD, M. R. N., M.SC., PH.D., Zoology
RAJ, K. N., M.A., PH.D., D.LITT., Monetary Economics
RAJAN, B., M.A., PH.D., English
RAMASWAMY, M., B.A., B.L., Constitutional Law
RANGASWAMI, N. S., M.A., PH.D., D.PHIL., Chemistry
ROY, R. L., M.A., PH.D., Hindustani Music
SADAGOPAN, V. V., Kartanak Music
SAHA, N. K., M.SC., D.PHIL., DR.RER.NAT., Physics
SEN, A. K., M.A., PH.D., Economics
SESACHAR, B. R., M.SC., D.SC., Zoology
SESHADRI, Dr. T. R., M.SC., PH.D., F.R.S., Chemistry
SHRINIVAS, M. N., M.A., PH.D., Sociology
SHUKLA, M. C., B.COMM., BAR-AT-LAW, Commerce
SINGH, H., M.A., PH.D., African Studies, Political Science
SIVASUBRAMANIAN, L. R., M.L., Law

CONSTITUENT COLLEGES:

Central Institute of Education: Delhi; f. 1947.

College of Engineering and Technology: Hauz Khas, New Delhi; f. 1961.

College of Nursing: New Delhi; f. 1946.

Delhi College: f. 1924.

Delhi Polytechnic: f. 1941.

Delhi School of Economics: f. 1948.

Delhi School of Social Work: f. 1946.

Deshbandhu College: Kalkaji, New Delhi; f. 1951.

Dyal Singh College: Rouse Avenue, New Delhi; f. 1959.

Hans Raj College: Delhi; f. 1948.

Hindu College: Delhi; f. 1889.

Indraprastha College for Women: Delhi; f. 1924.

Institute of Economic Growth: Delhi; f. 1961.

Institute of Post-Graduate Evening Studies: University of Delhi, Delhi; f. 1959.

Jankidevi Mahavidyalaya: Rouse Avenue, New Delhi; f. 1959.

Kirorimal College: Delhi; f. 1949.

Lady Hardinge Medical College: New Delhi; f. 1916.

Lady Irwin College: New Delhi; f. 1922.

Lady Shri Ram College for Women: Lajpatnagar, New Delhi; f. 1956.

Maulana Azad Medical College: f. 1958.

Miranda House for Women: Delhi; f. 1948.

P.G.D.A.V. College: f. 1957.

Pramila College: Hardinge Avenue, New Delhi; f. 1960.

Ramjas College: Delhi; f. 1917.

Sanatan Dharma College: Anand Parbat, New Delhi; f. 1959.

School of Planning and Architecture: New Delhi; f. 1959.

Shri Guru Teg Bahadur Khalsa College: Karol Bagh, Delhi; f. 1951.

Shri Ram College of Commerce: Delhi; f. 1926.

Sri Venkateswara College: Rouse Avenue, New Delhi; f. 1961.

St. Stephen's College: Delhi; f. 1881.

Vallabhbhai Patel Chest Institute: Delhi; f. 1951.

W.A.F. Memorial Shivaji College: Najafgarh, New Delhi; f. 1961.

THE UNIVERSITY OF GAUHATI

P.O. GAUHATI UNIVERSITY, JALUKBAR

Telephone: 15.

Founded 1948: Teaching and Affiliating.

Chancellor: THE GOVERNOR OF ASSAM.
Vice-Chancellor: Dr. H. J. TAYLOR, M.SC., PH.D.
Registrar: C. DAS, M.A., B.L.
Librarian: J. SHARMA, M.A., DIP. IN LIB. SC.

The library contains 52,697 volumes.

Number of teachers: 1,510 (including affiliated colleges).

Number of students: 31,634 (including affiliated colleges).

DEANS:

Faculty of Arts: P. C. THOMAS, M.A., PH.D.
Faculty of Commerce: (Vacant).
Faculty of Science: P. C. MAHANTA, M.SC., PH.D.
Faculty of Medicine: Dr. S. N. SARMA, M.B., D.L.O., F.R.C.S., F.I.C.S.
Faculty of Agriculture: M. C. DAS, M.SC., PH.D., F.L.S., F.R.M.S.
Faculty of Law: Dr. J. C. MEDHI, M.A., B.L., PH.D.
Faculty of Engineering: N. DASGUPTA, B.E., M.S.

PROFESSORS:

BARUA, B. K., M.A., PH.D., Assamese
BARAUH, H. K., M.SC., PH.D., Botany
BARUAH, R. K., M.SC., PH.D., Chemistry
CHAUDHURY, J. M., M.SC., PH.D., Geology
GOSWAMI, M. C., M.A., M.LITT., Anthropology
MAHANTA, P. C., M.SC., PH.D., Physics
RAO, V. V., M.A., PH.D., Political Science
THOMAS, P. C., M.A., PH.D., Economics

The university maintains 1 constituent college and 46 affiliated colleges.

GORAKHPUR UNIVERSITY

GORAKHPUR, UTTAR PRADESH

Telephone: 201.

Founded 1957; Teaching and Affiliating.

Chancellor: H.E. THE GOVERNOR OF UTTAR PRADESH, BISHWA NATH DAS.
Vice-Chancellor: A. C. CHATTERJI, DR.SC.(ING.).
Registrar: Shri K. J. MAJMUDAR, M.A., B.T.

Number of teachers: 206, including 10 professors.

Number of students: 3,547.

DEANS:

Faculty of Arts: M. VARNA, M.A., MED. PH.D.
Faculty of Science: Dr. D. SHARMA, M.SC., D.PHIL., PH.D. (LOND.).
Faculty of Commerce: A. B. MISRA, M.A., PH.D., D.LITT.
Faculty of Law: D. C. HINGORANI, LL.M., J.S.D.

PROFESSORS:

BAHADUR, R. P., M.A., D.PHIL., Economics
BHARGAWA, K. S., M.SC., D.PHIL., Botany
CHOUDHURY, H. S., M.SC., PH.D., Zoology
MEHROTRA, R. C., M.SC., PH.D., D.PHIL., Chemistry
MISRA, R. S., M.SC., PH.D., D.SC., Mathematics
PANDEY, G. C., M.A., D.PHIL., Ancient History, Culture and Archæology
SHARMA, D., M.SC., D.PHIL., Physics
SINGH, H. L., M.A., PH.D., Medieval and Modern History
UPADHAYA, V. P., M.A., B.L., D.LITT., Sanskrit
VERMA, M., M.A., M.ED., PH.D., Education

The university maintains 27 affiliated colleges.

GUJARAT UNIVERSITY

NAVRANGPURA, AHMEDABAD 9, GUJARAT STATE

Telephone: 7198, 7488.

Founded 1950; Teaching and Affiliating.

Chancellor: Shri M. N. JUNG, Governor of Gujarat.
Vice-Chancellor: Shri L. R. DESAI, B.A., B.T., T.D.
Registrar: Shri K. C. PARIKH, M.A., LL.B.

Librarian: P. F. PATEL, M.A., M.LIB.SC.

The library contains 98,035 volumes.

Number of students in affiliated colleges: 37,077.

DEANS:

Faculty of Agriculture: M. K. DESAI.
Faculty of Arts: D. R. MANKAD.
Faculty of Ayurvedic Medicine: Prin. V. VAIDYE.
Faculty of Commerce: Prin. A. R. DESAI.
Faculty of Law: Prin. C. D. VYAS.
Faculty of Medicine: K. T. B. PATEL.
Faculty of Science: Prin. J. B. SARDIL.
Faculty of Technology: G. S. DESAI.

AFFILIATED COLLEGES:

Arts Colleges:

Arts College: Sankheda; f. 1962.
Darbar Gopaldas Mahavidyalya: Aliabada; f. 1953.
Gandhidham Arts College: Adipur; f. 1962.
Harivallabhdas Kalidas Arts College: Ahmedabad; f. 1955.
Kalol Municipal Arts College: Kalol; f. 1961.
Lalbhai Dalpatbhai Arts College: Ahmedabad 9; f. 1937.
Maganlal Thakordas Balmukunddas Arts College: Surat; f. 1918.
National College: Sardarnagar; f. 1962.
Sangeet Nrutya Natya Mahavidyalya: Rajkot; f. 1961.
Shri Maharaji Rajendrasinhji Arts College: Rajpipla; f. 1962.
Sardar Vallabhbhai Arts College: Ahmedabad; f. 1960.
Shri Sharda Peeth Arts College: Dwarka; f. 1960.
Shri Rajni Parekh Arts College: Cambay; f. 1960.

Science Colleges:

Mafatlal Gagalbhai Science Institute: Ahmedabad; f. 1946.
Sarvajanik College of Science: Surat; f. 1918.
Smt. Bhikhuben Chandulal Jalundhwala Science College: Cambay; f. 1961.

Commerce Colleges:

Commerce College: Morvi; f. 1962.
Hargovinddas Lakmichand College of Commerce: Ahmedabad; f. 1936.
Mangaldas Heshingbhai College of Commerce: Bhavnagar; f. 1949.
Sardar Vallabhbhai Commerce College: Ahmedabad; f. 1960.
Sheth Haridas Acharatlal College of Commerce: Ahmedabad; f. 1956.
Shri I. V. Patel College of Commerce: Nadiad; f. 1960.
Shri Popatlal Dhanjibhai Malavija College of Commerce: Rajkot; f. 1957.
Sir Kikabhai Premchand Commerce College: Surat; f. 1946.

Law Colleges:

A. M. Parekh Law College: Rajkot; f. 1955.
City Law College: Ahmedabad; f. 1958.
M. Sankalchand Bhagat and C. Sankalchand Law College: Nadiad; f. 1859.
Motilal Nehru Law College: Ahmedabad; f. 1961.
New Law College: Ahmedabad; f. 1961.
Sarvajanik Law College: Surat; f. 1935.
Sheth H. J. Law College: Bhavnagar; f. 1962.

Arts and Science Colleges:

Arts and Science College: Dabhoi; f. 1958.
Bahauddin College: Junagadh; f. 1901.
Balabhai Damodardas College: Ahmedabad; f. 1956.
Bhavan's College: Dakor; f. 1962.
Dharmendrasinhji College and Kotak Institute of Science: Rajkot; f. 1937.
Doshi Kalidas Virji Arts and Science College: Jamnagar; f. 1956.
Gujarat College: Ahmedabad; f. 1879.
Jethabhai Jhaverbhai College of Science and C. B. Patel Arts Institute: Nadiad; f. 1947.
Kamani Science College and Prataprai Arts College: Amreli; f. 1961.
Lallubhai Kakamchand Science and Sankalchand Damodardas Arts Intermediate College: Mansa; f. 1960.
Maneklal Nanchand College: Visnagar; f. 1946.
Meghji Pethraj Shah Arts and Science College: Surendranagar; f. 1956.
Parekh Brothers Science College and Shah Neshavlal Sombhai Arts College: Kapadwanj; f. 1961.
Patan Arts and Science College: Patan; f. 1959.
Petlad College: Petlad; f. 1946.
St. Xavier's College: Ahmedabad; f. 1955.
Samaldas College and Prabhashanker Pattani Institute of Science: Bhavnagar; f. 1885.
Sarabji Barjorji Garda College and B. P. Baria Science Institute: Navsari; f. 1945.
Shri Javendrapuri Arts and Science College: Broach; f. 1955.
Shri Maharaja Mahendrasinhji Science College and Shri Umiyashanker N. Mehta Arts College: Morvi; f. 1960.
Shri Nootan Kelavani Mandal Arts and Science College: Bulsar; f. 1957.
Shri Ramji Ravji Lalan College: Bhuj; f. 1953.
Shri Swaminarayan Arts and Science College: Ahmedabad; f. 1956.
Shri Umedram Panchal Arts College and Sarvodaya Science College: Pilvai; f. 1960.
Shri Vithalbhai Shivabhai Patel College of Arts and Science: Bilimora; f. 1961.
Sheth Hiralal Prabhuram Arts and Shrimati Shantaben Motilal Panchal Science Intermediate College: Talod; f. 1960.
Sheth Purushottamdas Thakurdas Arts and Science College: Godhra; f. 1960.
Sir Purushottamdas Thakurdas Science College: Morvi; f. 1960.

Education Colleges:

Acharatlal Girdharlal Teachers' College: Ahmedabad; f. 1952.
Ramba Graduate Teachers' College: Porbandar; f. 1955.
Sarvajanik College of Education: Surat; f. 1961.
Shri P. D. Malaviya Graduate Teachers' College: Rajkot; f. 1962.

Arts and Commerce Colleges:

City Arts and Commerce College: Ahmedabad; f. 1960.
Navyug Arts and Commerce College: Porbandar; f. 1959.
Saifee Jubilee Arts and Commerce College: Sidhpur; f. 1961.
Shri Somnath College: Veraval; f. 1960.
Upleta Municipal Arts and Commerce College: Upleta; f. 1961.

Arts and Law College:

Sir Lallubhai Asharam Shah Law College: Ahmedabad; f. 1927.

Arts and Education College:

Prakash Arts College: Ahmedabad; f. 1957.

Commerce and Law College:

Shri M. P. Shah Municipal College of Commerce and Law: f. 1961.

Engineering Colleges:

Lalbhai Dalpatbhai College of Engineering: Ahmedabad 9; f. 1948.
Lukhdhirji Engineering College: Morvi; f. 1951.
Sardar Vallabhbhai Regional College of Engineering and Technology; Surat; f. 1961.

Medical Colleges:

Behramji Jijibhai Medical College: Ahmedabad; f. 1946.
Lallubhai Motilal College of Pharmacy: Ahmedabad; f. 1947.
Meghji Pethraj Shah Medical College: Jamnagar; f. 1955.

Ayurveda Colleges:

Gulabkunverba Ayurveda Mahavidyalaya: Jamnagar; f. 1956.
Shri O. H. Nazar Ayurveda Mahavidyalaya: Surat; f. 1958.

Agricultural College:

Agriculture College: Junagadh; f. 1960.

RECOGNISED INSTITUTIONS:

Ahmedabad Textile Industries Research Association: Ahmedabad; f. 1953.
Bakubhai Mansukhbhai Institute of Psychology and Child Development: Ahmedabad; f. 1955.
Chunilal Gandhi Vidyabhavan: Surat; f. 1961.
Physical Research Laboratory: Ahmedabad; f. 1948.
Shri Dwardadhish Sanskrit Academy and Indological Research Institute: Dwarka; f. 1961.

Shri Kanaiyalal Motilal School of Post-graduate Medicine and Research: Ahmedabad; f. 1931.

Sheth Bholabhai Jesingbhai Institute of Learning and Research: Ahmedabad; f. 1939.

UNIVERSITY OF INDORE

UNIVERSITY HOUSE, INDORE

Founded 1964; Teaching and Research.

Chancellor: Shri K. C. REDDY, Governor of Madhya Pradesh.
Vice-Chancellor: Shri H. S. KAMATH.
Registrar: G. N. TANDAN, M.A.

Number of teachers: 588.
Number of students: 11,283.

DEANS:

Faculty of Medicine: Dr. B. C. BOSE.
Faculty of Arts: Dr. C. W. DAVID.
Faculty of Engineering: Dr. S. M. DAS GUPTA.
Faculty of Science: Shri N. SINH.
Faculty of Law: Dr. P. P. PANDIT.
Faculty of Commerce: Shri A. G. SHARMA.
Faculty of Ayurved: (Vacant).

JABALPUR UNIVERSITY

JABALPUR, M.P.

Telephone: 712-3-5.

Founded 1957; Teaching and Affiliating.

Chancellor: Shri K. C. REDDY, B.A., B.L.
Pro-Chancellor: Shri N. R. DIXIT, M.A.
Vice-Chancellor: Dr. D. VARMA, M.A., D.LITT.
Registrar: Shri S. C. SETH, M.A.

Number of teachers: 637.
Number of students: 12,002.

DEANS:

Faculty of Arts: Dr. H. L. JAIN, M.A., D.LITT.
Faculty of Science: Dr. S. GHOSH, D.SC., F.N.A.SC., F.N.I.
Faculty of Commerce: Shri P. L. BALDUA, M.A.
Faculty of Education: Dr. S. K. DANI, DIP.PSY., PH.D.
Faculty of Law: Shri N. SINGH, M.A., LL.M., BAR.-AT-LAW.
Faculty of Engineering: Shri V. D. GUPTA, B.SC., A.M.I.E.
Faculty of Home Science: Shrimati K. MEHTA, A.B.T.
Faculty of Medicine: Dr. D. S. CHOUDHARY, M.B.B.S., M.S., PH.D., D.O.M.S., C.P.S.

PROFESSORS:

AUDHOLIA, B. S., M.A., M.COM., Commerce
BALDUA, P. L., M.A., F.R.E.S., Business Administration
BHONSLE, B. R., M.SC., PH.D., Applied Mathematics
CHOWDHARY, D. S., M.B.B.S. M.S., D.O.M.S., C.P.S., Anatomy
DANI, S. K., M.A., DIP.PSY.(OXON.), PH.D., Psychology
DESHPANDE, R. A., M.SC., DIP.I.I.SC., Electrical Engineering
GHOSH, S., D.SC., F.N.A.SC., F.N.I., Chemistry
GOEL, I. B., M.B.B.S., M.S., D.O.M.S., Ophthalmology
GOSWAMI, S. L., L.M.P.L.C.P. & S., Pharmacology
GUPTA, V. D., B.SC.(ENG.), A.M.I.E., Mechanical Engineering
JAIN, H. L., M.A., D.LITT., Sanskrit
KAUSHAL, R., M.SC., D.SC., PH.D.(TECH.), Applied Chemistry
KHANOOJA, A. S., B.SC., B.E.(HONS.), Civil Engineering
KOSHAL, K. D., F.SC., M.B.B.S., F.R.C.S., Surgery
LAKSHMANASWAMY, A., B.E., C.E., M.I.E., Civil Engineering
MISHRA, M. P., M.B.B.S., M.D., M.R.C.P., D.T.M. & H., Medicine
MURTY, T. S., M.SC., PH.D.(LOND.), Applied Physics
PANDEY, R., M.A., D.LITT., Ancient History and Culture
PATEL, V. J., B.E.(HONS.), DR.ING., Civil Engineering
SHARMA, C. D., M.A., D.PHIL., D.LITT., Philosophy
SWAMINATHAN, S. R., M.A., D.PHIL., English
TIWARI, U. N., M.A., D.LITT., Hindi
WAGH, K. V., M.B.B.S., M.D., Obstetrics and Gynæcology

There are 20 affiliated or attached Colleges.

JADAVPUR UNIVERSITY

CALCUTTA 32

Telephone: 46,4771/6.

Founded 1955; Residential and Teaching.

President: Shrimati P. NAIDU, Governor of West Bengal.
Rector: Dr. Ing. T. SEN, M.I.E.
Registrar: P. C. V. MALLIK, M.A. (CANTAB.).
Chief Librarian: A. K. MUKHERJI, M.A., DIP.LIB.

Library: 133,340 volumes.
Number of teachers: 330.
Number of students: 3,500.

DEANS:

Faculty of Engineering: H. C. GUHA, B.SC. (EDIN.), M.I.E.E. (LOND.), M.I.E. (IND.).
Faculty of Science: Dr. S. N. MUKHERJEE, D.SC. (CAL.).
Faculty of Arts: Dr. P. C. CHAKRAVARTI, PH.D. (LOND.).

HEADS OF DEPARTMENTS:

Mechanical Engineering: Prof. G. C. SEN, M.S., A.M.M.E., A.M.I.E.
Chemical Engineering: (Vacant).
Civil Engineering: K. RAY, B.SC. (CAL.), B.SC.ENG. (LOND.), M.I.STRUCT.E., A.M.I.C.E. (LOND.), M.I.E. (IND.).
Electrical Engineering: H. C. GUHA, B.SC. (EDIN.), M.I.E.E. (LOND.), M.I.E. (IND.).
Tele-Communication Engineering: Dr. J. S. CHATTERJEE, M.SC. (CAL.), D.PHIL., DIP.M.C.
English: Dr. S. C. SENGUPTA, PH.D. (CAL.).
Bengali: G. C. BASU, M.A. (DACCA).
History: Dr. P. C. GUPTA, PH.D. (LOND.).
International Relations: Dr. P. C. CHAKRABARTI, PH.D. (LOND.).
Comparative Literature: B. BOSE, M.A. (DACCA).
Philosophy: (Vacant).
Sanskrit: Dr. R. R. MUKHERJEE, M.A., D.PHIL.
Economics: P. CHAKRABARTI, M.A. (CAL.).
Mathematics: (Vacant).
Physics: Dr. S. D. CHATTERJEE, D.SC. (CAL.), F.N.I.
Inorganic Chemistry: Dr. A. K. MAJUMDAR, D.SC. (CAL.).
Organic Chemistry: Dr. B. K. BHATTACHARYYA, D.SC. (CAL.).
Physical Chemistry: Dr. S. N. MUKHERJEE, D.SC. (CAL.).
Geological Sciences: Dr. S. DEB, DR. ès SC. (PARIS), F.N.I.

CONSTITUENT COLLEGES:

University College of Engineering and Technology: Jadavpur; f. 1906.
Principal: Dr. T. SEN, DR.ING., A.M.M.E., M.I.MECH.E., M.I.E.

University College of Arts: Jadavpur; f. 1956.
Principal: A. K. DATTA, M.A., BAR.-AT-LAW.

University College of Science: Jadavpur; f. 1956.
Principal: Dr. A. K. MAJUMDAR, D.SC.

UNIVERSITY OF JAMMU AND KASHMIR

SRINAGAR, KASHMIR

Telephone: 230.

Founded 1948; Affiliating.

Chancellor: Y. K. SINGH JI, M.A.
Vice-Chancellor: (Vacant).
Registrar: G. MOHAMMAD, M.A.

Number of teachers: 275, including affiliated colleges.
Number of students: 7,727.

DEANS:

Faculty of Arts: S. L. PANDIT.
Faculty of Science: GHANASHYAM, M.SC.
Faculty of Oriental Learning: G. N. MATTU, M.A., M.O.I.
Faculty of Education: A. A. ALI.
Faculty of Commerce: G. P. SINGH.
Faculty of Social Science: I. N. BHAN, M.A., PH.D.
Faculty of Medicine: G. V. S. MURTHI.

AFFILIATED COLLEGES:

Amar Singh College: Srinagar; f. 1942.
Principal: M. AHMAD, M.A.

Gandhi Memorial College: Srinagar; f. 1943.
Principal: G. N. MATTO, M.A.

Govt. College for Women: Jammu; f. 1944.
Principal: Miss MAHMUDA AHMAD ALI.

Govt. Gandhi Memorial Arts College: Jammu; f. 1954.
Principal: P. LAL, M.A.

Govt. Gandhi Memorial Science College: Jammu; f. 1907.
Principal: T. RAM, M.SC.

Govt. Intermediate College: Anantnag, Kashmir; f. 1950.
Principal: S. N. THUSSOO, M.A.

Govt. Intermediate College: Bhadarwah; f. 1955.
Principal: H. SHAH, M.A.

Govt. Intermediate College: Poonch; f. 1955.
Principal: SAIF-UD-DIN.

Govt. Intermediate College: Sopore, Kashmir; f. 1950.
Principal: A. S. DHAR, M.A.

Govt. Oriental College: Srinagar; f. 1950.
Principal: G. N. SHAIQ, M.A.

Govt. Women's College: Srinagar; f. 1950.
Principal: Miss S. W. SHAW, M.A.

Hindu Kanya Mahavidyalaya: Srinagar; f. 1950.
Principal: M. SHASTRI.

Jamia Madinat-ul-Alum: Hazratbal, Kashmir; f. 1948.
Principal: M. A. KABIR.

Mahila Mahavidyalaya: Srinagar; f. 1942.
Principal: Mrs. KAMLA PARIMOO.

Nasrat-ul-Islam Oriental College: Srinagar; f. 1918.
Principal: M. M. Q. BUKHARI.

Rupa Devi Shardha Peeth: Srinagar; f. 1953.
Principal: T. N. VAISHNAVI, M.A.

Sanatan Dharam Kanya Vidyalaya: Jammu; f. 1936.
Principal: T. DASS.

Shri Rughnath Sanskrit Mahavidyalaya: Jammu; f. 1884.
Principal: P. R. SHASTRI.

Sri Pratap College: Srinagar; f. 1905.
Principal: NURUP-DIN, M.A.

Sri Pratap Memorial College of Commerce: Jammu; f. 1955.
Principal: G. P. SINGH.

St. Joseph's College: Baramulla, Kashmir; f. 1954.
Principal: Rev. J. MCMAHON.

Teachers' Training College: Jammu; f. 1954.
Principal: GHANASHYAM, M.SC.

Teachers' Training College: Srinagar; f. 1940.
Principal: A. ASHRAF, M.A.

Vidya Path Mahila Oriental College: Jammu.
Principal: S. SETH.

Vishiva Bharti Nanayh Mahavidyalaya: Nanaivdi, Srinagar.
Principal: T. C. RAINA.

JIWAJI UNIVERSITY

TAPOVAN, GWALIOR

Telephone: 1441.

Founded 1964; Teaching and Affiliating.

Chancellor: Hon. K. C. REDDY.
Vice-Chancellor: S. S. BHANDARKAR.
Registrar: M. N. KAUL.

DEANS:

Faculty of Arts: S. N. UPADHYAYA.
Faculty of Social Sciences: M. A. QURAISHI.
Faculty of Science: Dr. S. S. SAXENA.
Faculty of Medicine: Dr. A. H. FIRDOSI.
Faculty of Ayurved: L. S. BHATNAGAR.
Faculty of Law: Dr. G. C. KASLIWAL.
Faculty of Commerce: R. C. MEHTA.
Faculty of Engineering: K. S. RANE.
Faculty of Education: S. N. SINGH.
Faculty of Physical Education: Dr. P. M. JOSEPH.

UNIVERSITY OF JODHPUR

JODHPUR, RAJASTHAN

Telephone: 956.

Founded 1962.

Chancellor: Dr. SAMPURNANAND, D.LITT., Governor of Rajasthan.
Vice-Chancellor: Dr. R. BEHARI, M.A., PH.D., SC.D.
Registrar: S. KUMAR, M.A.

Number of teachers: 277.
Number of students: 4,804.
Publications: *Jodhpur University Gazette and News Bulletin, The Beacons* (Engineering), *Annals of Economics, The University Times* (Students' Union).

DEANS:

Faculty of Commerce: Prof. D. L. EKHANCE, M.COM.
Faculty of Engineering: Prof. S. C. GOYAL, B.SC., C.E., M.S.(ENG.), M.I.E.
Faculty of Law: Prof. S. C. THANVI, M.A., LL.M.
Faculty of Science: Dr. U. N. CHATTERJEE, M.SC., D.PHIL., D.SC.
Faculty of Social Science: Prof. S. D. DERASHRI, A.M., M.A., LL.B.

PROFESSORS:

CHATTERJEE, U. N., M.SC., D.PHIL., D.SC., Botany
DERASHRI, S. D., A.M., M.A., LL.B.
EKHANCE, D. N., M.COM., Commerce
GOYAL, S. C., B.SC., C.E., M.S.ENG., M.I.E., Structural Engineering
KAPOOR, R. C., D.PHIL., D.SC., Chemistry
KUSHWAHA, R. S., M.SC., D.PHIL., PH.D., Mathematics
MATHUR, M. L., B.E., Mechanical Engineering
SHUKLA, R. S., M.A., PH.D., D.LITT., Hindi
SINGH, A., B.E., Civil Engineering

KARNATAK UNIVERSITY

DHARWAR, MYSORE STATE

Telephone: Dharwar 94.
Telegraphic Address: Unikarnatak.

Founded 1949, incorporated 1950; Teaching and Affiliating.

Chancellor: H.E. THE GOVERNOR OF MYSORE.
Vice-Chancellor: D. C. PAVATE, M.A. (CANTAB.).
Registrar: S. S. WODEYAR, M.A., D.SC. (HON.), LL.B.
Librarian: K. S. DESHPANDE, M.A., DIP.LIB.

The library contains 95,920 volumes.
Number of students: 1,236 (postgraduate).
Number of students in affiliated and constituent colleges: 22,167.

DEANS:

Faculty of Arts: L. M. A. MENEZES, M.A.
Faculty of Social Sciences: G. S. HALAPPA, M.A. (COLUMBIA).
Faculty of Science: Dr. M. S. CHANNAVEERAIAH, M.SC., PH.D., D.SC.
Faculty of Law: Prin. V. R. BHAT, M.A., LL.M.
Faculty of Engineering: A. S. MENON, B.SC., A.M.I.E.
Faculty of Agriculture: Prin. R. S. DESHPANE, PH.D., D.I.C.
Faculty of Medicine: (Vacant).

POSTGRADUATE DEPARTMENTS:

Department of Kannada: Dr. R. C. HIREMATH, M.A., PH.D.
Department of Statistics: Dr. M. V. JAMBHUNATHAN, M.A., PH.D.
Department of Chemistry: Dr. S. SIDDAPPA, M.SC., PH.D., D.I.C.
Department of Physics: Dr. W. M. VAIDYA, M.SC., PH.D.
Department of Geography: Dr. G. S. SINGH, M.A., PH.D.
Department of Geology: Dr. M. S. SADASHIVAIAH, M.SC., PH.D., D.I.C., F.G.S.
Department of History: Dr. G. S. DIXIT, M.A., PH.D.
Department of Political Science: Prof. G. S. HALAPPA, M.A.
Department of Economics: Dr. D. M. NANJUNDAPPA, M.A., PH.D.
Department of Sociology: Dr. K. CHANDRASEKHARIAH, M.A., PH.D.
Department of Social Anthropology: Dr. K. ISWARAN, M.A., PH.D., M.S.S., D.LITT.
Department of Mathematics: Dr. S. K. SINGH, M.A., PH.D.
Department of Sanskrit: Dr. K. KRISHNAMURTHY, M.A., PH.D.

Department of Philosophy: Prof. K. J. SHAH, B.A.
Department of Botany: Dr. M. S. CHANNAVEERAIAH, M.SC., PH.D.
Department of Zoology: C. J. GEORGE, PH.D., D.I.C.
Department of Commerce: Dr. C. C. PATTANSHETTI, M.A., PH.D.
Department of Education: Prin. C. S. BENNUR, M.ED., DIP.ED.
Department of Law: V. R. BHAT, M.A., LL.M.
School of Foreign Languages: Dr. K. J. MAHALE, M.A., D.U. (PARIS).
Department of English: A. MENEZES, M.A.
Ancient Indian History and Kannada Research Institute, Dharwar: Dr. P. B. DESAI, M.A., D.LITT.

The university maintains the following teaching departments: Chemistry (f. 1953), Economics (f. 1955), Geology (f. 1953), History (f. 1955), Kannada (f. 1951), Physics (f. 1953), Statistics (f. 1951), Political Science (f. 1956), Sociology (f. 1957), Social Anthropology (f. 1959), Mathematics (f. 1958), Sanskrit (f. 1958), Philosophy (f. 1957), Botany (f. 1959), Zoology (f. 1959), English (f. 1957), Geography (f. 1961), Law (f. 1962), Education (f. 1962), Commerce (f. 1962), Foreign Languages (f. 1962), Ancient Indian History (f. 1963).

CONSTITUENT COLLEGES:

Karnatak Arts College: Dharwar; f. 1917.
Principal: S. S. MALWAD, M.A.

Karnatak Science College: Dharwar: f. 1934.
Principal: G. S. PARAMASHIVAIAH, M.SC., F.P.S., M.I.R.E., M.A.A.A.S.

University Law College: Dharwar; f. 1962.
Principal: V. R. BHAT, M.A., LL.M.

University College of Education: Dharwar: f. 1962.
Principal: Prin. S. R. PATIL, M.SC., M.ED.

AFFILIATED COLLEGES:

Anjuman E.-Islams' J.N. Arts and Science College: Hubli.
Principal: R. G. JAHAGIRDAR, M.A.

Arts and Science College: Gokak.
Principal: Dr. V. V. BAGALKOTI, M.SC., PH.D.

Arts and Science College: Honavar; f. 1964.
Principal: V. SITARAMAIAH, M.A.

Arts and Science College: Ilkal; f. 1964.
Principal: R. S. SALIMATH, M.SC.

Arts and Science College: Jamkhandi; f. 1963.
Principal: T. REUBEN, M.A.

Arts and Science College: Karwar; f. 1961.
Principal: V. N. SHETGERI, M.SC.

Basaveshwar College: Bagalkot; f. 1944.
Principal: S. C. NANDIMATH, M.A., PH.D.

Basaveshwar Engineering College: Bagalkot; f. 1963.
Principal: K. M. GANGADHARAIAH, B.E.M.S., A.M.I.E., A.M., A.S.C.E.

B. V. Boomaraddi College: Bidar; f. 1960.
Principal: B. T. SASNUR, M.A.

B. V. Bhoomaraddi College of Engineering and Technology: Hubli; f. 1948.
Principal: A. S. MENON, B.SC.(ENG.), M.I.E.

College of Agriculture: Dharwar; f. 1947.
Principal: Prin. R. S. DESHPANDE, PH.D., D.I.C.

College of Commerce: Bijapur; f. 1961.
Principal: S. C. PATTED, M.COM.

College of Commerce: Gulbarga; f. 1961.
Principal: M. B. ONI, M.A.

Engineering College: Gulbarga; f. 1958.
Principal: J. K. RAO (acting).

Gavi-Siddheshwar Arts College: Koppal; f. 1963.
Principal: P. M. UMAKANTHA SASTRY, M.A.(ECON.), M.A.(HIST.), M.A. (POLITICS).

Government Arts and Science College: Gulbarga; f. 1932.
Principal: Prin. J. SASTURKAR, M.A.

Government B. Ed. College: Gulbarga; f. 1955.
Principal: B. RAGHURAM, M.ED.

Government B. Ed. College: Jamakhandi.
Principal: R. M. KULKARNI.

H.K.E. Society's Medical College: Gulbarga; f. 1964.
Principal: Dr. V. APPAJI, M.B.B.S., M.SC.

Home Science College: Hubli; f. 1965.

J.G. College of Commerce: Hubli; f. 1947.
Principal: Prin. M. S. HALLUR, M.A.

J.S.S. Law College: Dharwar; f. 1955.
Principal: Prin. N. N. ARI, B.A., LL.B.

J. S. Samiti's Science and Banashankari Arts College: Dharwar; f. 1944.
Principal: R. Y. DHARWADKAR, M.A.

Jagadguru Tontadarya College: Gadag; f. 1959.
Principal: Prin. M. HALAYYA, M.A.

Kanara College: Kumta; f. 1949.
Principal: Dr. N. RAJGOPAL RAO, M.A., PH.D.

Karnatak Medical College: Hubli; f. 1957.
Principal: Dr. J. J. DHARMARAJ, M.B.B.S., M.S.

K. C. Patil Science College: Bijapur.
Principal: Dr. H. T. SASNUR, M.A., PH.D.

K.L.E. Arts and Science College: Haveri; f. 1963.
Principal: P. S. CHIKKANNIAH, M.SC., PH.D.

K.L.E. Society's Jawaharlal Nehru Medical College: Belgaum; f. 1964.
Principal: Dr. B. M. DESAI, M.B., M.S., F.C.P.S.

K.L.E.S.'s Arts and Science College: Nipani; f. 1961.
Principal: T. K. PATIL, M.A.

K.L. Society's Commerce College: Belgaum; f. 1954.
Principal: D. S. KURTAKOTI, M.A.

Kotturswamy Education College: Bellary.
Principal: M. A. GANGAPPA, D.B. (MANCH.), D.P.ED., M.ED.

Laxmi Venkatesh Desai College: Raichur; f. 1954.
Principal: J. SATEPANATHAN, M.A., M.ED.

Lingaraj College: Belgaum; f. 1933.
Principal: B. RUDRAPPA, M.A., B.T.

L.V.D. College of Commerce: Raichur; f. 1964.
Principal: K. S. NAIDU, M.COM.

Medical College: Bellary.
Principal: C. D'SOUZA, M.B.B.S., M.S.(PATH.), D.B. (MANCH.).

M.E.S.'s Arts and Science College: Sirsi (N.K.); f. 1962.
Principal: L. T. SHARMA, M.SC.

P. C. Jabin's Science College: Hubli; f. 1957.
Principal: S. S. BOMMANNAVAR, M.SC.

Raja Lakhamagouda Science Institute: Belgaum; f. 1958.
Principal: V. V. JATTI, M.SC., F.C.S., F.I.C.S.

R.L. Law College: Belgaum; f. 1939.
Principal: R. G. DEOLE, B.A., LL.B.

R.P.D. College: Belgaum; f. 1945.
Principal: K. D. PHADRIS, M.SC.

Sanganbasavessur Arts College: Bijapur.
Principal: B. S. GANACHARI, M.A.

Shankar College: Yadgiri; f. 1953.
Principal: C. V. RANGASWAMI, M.A.

Sharan Basaveshwar College: Gulbarga; f. 1958.
Principal: B. M. RAMALINGAYYA, M.A.

Sri Kadasiddheshwar Arts College: Hubli; f. 1952.
Principal: D. S. KARKI, M.A., PH.D.

S.S.L. Law College: Gulbarga; f. 1960.
Principal: N. S. PATIL, B.A., LL.B.

S.T. College: Belgaum; f. 1939.
Principal: S. K. RAJPURAHIL, M.A., M.ED.

The Veershaiv College: Bellary.
Principal: D. MARIYAPPA, M.A., L.T., M.ED.

The Vijayanagar College: Hospet.
Principal: C. B. CHANDRASEKHARAPPA, M.A.

The Women's Arts and Science College: Gulbarga; f. 1965.

INDIRA KALA SANGEET VISHWAVIDYALAYA

KHAIRAGARH, MADHYA PRADESH

Telephone: 12.

Founded 1956.

Chancellor: H.E. THE GOVERNOR OF MADHYA PRADESH.
Vice-Chancellor: Shri P. N. CHINCHORE, M.A., M.MUS.
Registrar: Shri B. B. BISWAS, B.A., LL.B.
Dean: Shri A. K. SEN, M.A.
Librarian: Shri C. P. DESAI.

Number of teachers: 10.
Number of students: 150.
Publication: *Bharat Bhashya.*

UNIVERSITY OF KERALA

TRIVANDRUM, KERALA STATE

Telephone: 3112.

Established 1937; Teaching and Affiliating.

Chancellor: THE GOVERNOR OF KERALA.
Vice-Chancellor: K. C. K. E. RAJA, D.T.M. & H.
Registrar: A. M. N. CHAKIAR, B.A.

Number of Heads of Departments: 20.
Number of students: 44,511.

DEANS:

Faculty of Agriculture: L. S. S. KUMAR, D.I.C., M.SC.
Faculty of Arts: P. C. JOSEPH, M.A.
Faculty of Education: Prof. N. P. PILLAI, PH.D.
Faculty of Engineering: K. C. CHACKO, M.A.
Faculty of Law: V. N. S. IYER, M.A., M.L.
Faculty of Oriental Studies: A. G. K. WARRIER, M.A., PH.D.
Faculty of Science: Prof. A. ABRAHAM, M.A., M.SC., PH.D. (BOT.).
Faculty of Technology: K. C. CHACKO, M.A., M.S.
Faculty of Veterinary Science: M. N. MENON, B.V.SC., F.R.C.V.S.
Faculty of Commerce: V. R. PILLAI, M.A., M.SC.
Faculty of Medicine: C. O. KARUNAKARAN, D.T.M. & H., D.PH.
Faculty of Ayurveda: K. K. NAMBIAR.
Faculty of Fine Arts: M. K. G. PILLAI, B.A., B.L.

HEADS OF DEPARTMENTS:

Applied Chemistry: Prof. P. P. PILLAI, D.SC., F.R.I.C., A.I.I.SC.
Botany: Prof. A. ABRAHAM, M.A., M.SC., PH.D.
Economics: Prof. V. R. PILLAI, M.A., M.SC.
Education: Prof. N. P. PILLAI, PH.D. (BIRM.), M.A., L.T.
Islamic History and Culture: (Vacant).
Marine Biology and Fisheries: Prof. C. C. JOHN, M.A., D.SC., D.I.C.
Politics: V. K. S. NAIR, M.A., PH.D.
Psychology: E. I. GEORGE, M.A., PH.D.
Statistics: Prof. A. GEORGE, M.SC., D.SC.
Tamil: Prof. V. I. SUSUBRAMONIAM, M.A.

UNIVERSITY COLLEGES:

College of Engineering: Trivandrum; f. 1939; number of teachers 30.
Principal: M. V. K. RAO, PH.D.

Government Polytechnic: Kalamassery; f. 1951; number of teachers 23.
Principal: M. V. RAO, B.SC.

H.H. The Maharajah's College for Women: Trivandrum; f. 1864; number of teachers 62.
Principal: B. A. AMMA, M.A.

H.H. The Maharajah's Law College: Ernakulam; f. 1875; number of teachers 4.
Principal: V. N. S. IYER, M.A., M.L.

H.H. The Maharajah's Sanskrit College: Trivandrum; f. 1889; number of teachers 18.
Principal: N. G. PILLAI, M.A.

H.H. The Maharajah's Training College: Trivandrum; f. 1911; number of teachers 13.
Principal: K. M. MANI, M.A., B.T.

H.H. The Maharajah's University College: Trivandrum; f. 1869; number of teachers 94.
Principal: C. S. VENKATESWARAN, M.A., D.SC., F.I.P.

Institute of Textile Technology: Trivandrum; f. 1938; number of teachers 13.
Principal: M. P. G. NAIR, T.T.W.F.M., SPIN.TECH.

Law College: Trivandrum; f. 1954; number of teachers 4.
Principal: K. NARAYANAN, B.A., B.L.

Maharajah's Technological Institute: Tuchur; f. 1946; number of teachers 30.
Principal: K. C. CHACKO, M.A.

University Inter. College: Trivandrum; f. 1948.

AFFILIATED COLLEGES:

Assumption College for Women: Changanacherri; f. 1951.

Ayurveda College: Trivandrum; f. 1889; number of teachers 17.
Principal: V. K. G. MENON.

Bishop Choolaparambil Memorial College for Women: Kottayam; f. 1955.

Catholicate College: Pathanamthitta; f. 1952.

C.M.S. College: Kottayam; f. 1892; number of teachers 41.
Principal: P. C. JOSEPH, M.A.

Fatima Mata National College: Quilon; f. 1951; number of teachers 71.
Principal: Rev. Fr. M. KUTTIATH, M.A.

Government College: Chittur; f. 1947; number of teachers 44.
Principal: K. G. PANNIKAR, B.A.

Government Training College: Trichur; f. 1951; number of teachers 9.
Principal: T. P. VARGHESE, M.ED.

Maharajah's College: Ernakulam; f. 1875; number of teachers 99.
Principal: P. N. MENON, M.A.

Mahatma Gandhi College: Trivandrum; f. 1948; number of teachers 61.
Principal: P. K. K. PILLAI, M.A.

Mar Athanasius College: Kothamangalam; f. 1955.

Mar Ivanios College: Trivandrum; f. 1949; number of teachers 57.
Principal: Rev. Fr. N. A. THOMAS, M.A., L.T., PH.D.

Mar Thomas College: Tiruvalla; f. 1952.

Medical College: Trivandrum; f. 1951; number of teachers 38.
Principal: T. K. RAMAN, M.D., D.T.M.

Mount Carmel Training College: Kottayam; f. 1953; number of teachers 6.
Principal: Sister MARY FIDELIS, B.A., L.T.

Nirmala College: Muvattupuzha; f. 1953.

N.S.S. College: Pandalam; f. 1950; number of teachers 36.
Principal: K. R. N. IYER, M.SC.

N.S.S. College for Women: Trivandrum; f. 1951.

N.S.S. Hindu College: Changanacherry; f. 1947; number of teachers 46.
Principal: G. THOMAS, M.A.

N.S.S. Training College: Changanacherry; f. 1954; number of teachers 4.
Principal: M. G. NAIR, M.A., L.T.

Sanatana Dharma College: Alleppey; f. 1946; number of teachers 56.
Principal: V. RAMANATHAN, M.A., L.T.

Scott Christian College: Nagercoil; f. 1893; number of teachers 41.
Principal: T. Y. HARRIS, M.A., L.T.

Sree Narayan College: Quilon; f. 1948; number of teachers 67.
Principal: A. R. IYER, M.A.

Sree Narayan College for Women: Quilon; f. 1951.

Sree Sankara College: Kaladi; f. 1954.

St. Berchman's College: Changanacherry; f. 1922; number of teachers 77.
Principal: Rev. Fr. P. C. MATHEW, M.A., L.T.

St. Joseph's College for Girls: Alleppey; f. 1954.

St. Thomas' College: Kozhencherry; f. 1953.

St. Thomas' College: Palai; f. 1950; number of teachers 54.
Principal: Rev. Fr. J. KUREETHADAM, M.A.

Union Christian College: Alwaye; f. 1921; number of teachers 41.
Principal: T. B. NINAN, M.A.

KURUKSHETRA UNIVERSITY

KURUKSHETRA, PUNJAB

Telephone: 26.

Founded 1956; Residential and Teaching.

Chancellor: H. M. IBRAHIM, Governor of Punjab.
Vice-Chancellor: Dr. B. CHAND, M.A., PH.D.
Principal, University College: Shri K. L. MALHOTRA, M.A.
Registrar: Shri B. N. CHOPRA.
Librarian: Shri K. S. DALAL, M.A., M.LIB.SC.

Number of teachers: 124.
Number of students: 1,561.
Publications: *Annual Report, Handbook of Information and Digest of Indological Studies.*

DEANS:

Faculty of Science: Dr. S. D. CHOPRA, M.A., PH.D., F.R.A.S.
Faculty of Arts: Dr. B. K. KALIA, M.A., PH.D.
Faculty of Social Sciences: Dr. P. S. MUHAR, M.A., PH.D.
Faculty of Education: Dr. V. B. TANEJA, M.A., M.ED., ED.D.
Faculty of Indic Studies: Dr. B. PRAKASH, M.A., PH.D., D.LITT.

PROFESSORS:

CHOPRA, S. D., M.A., PH.D., Mathematics
HANS, H. S., M.SC., PH.D., Physics
KALIA, B. K., M.A., PH.D., English
MUHAR, P. S., M.A., PH.D., Political Science
MUKHERJI, S. M., M.SC., PH.D., D.SC., F.N.I., Chemistry
PRAKASH, B., M.A., PH.D., D.LITT., History and Ancient Indian History
SHARMA, V. M., M.A., PH.D., Hindi
VARMA, J. D., M.A., PH.D., Economics

UNIVERSITY OF LUCKNOW

LUCKNOW, U.P.

Telephone: 2270.

Founded 1921; Residential and Teaching.

Chancellor: H.E. THE GOVERNOR OF UTTAR PRADESH.
Vice-Chancellor: A. V. RAO, M.A., PH.D.
Hon. Treasurer: N. C. CHATURVEDI, M.A.
Registrar: P. C. MITAL, M.A.

Number of teachers: 597, including 40 professors.
Number of students: 12,928 (including Associated Colleges).

DEANS:

Faculty of Arts: Prof. D. D. GUPTA, M.A.
Faculty of Science: Prof. P. N. SHARMA.
Faculty of Medicine: R. V. SINGH, M.B., M.S.
Faculty of Law: V. N. SHUKLA.
Faculty of Commerce: Prof. O. P. GUPTA.

PROFESSORS:

Faculty of Arts:
CHATTERJI, N. L., M.A., PH.D., History and Archæology
DHAWAN, G. N., PH.D., Political Science
GUPTA, D. D., M.A., D.LITT., Hindi
KALI, P., M.A., Philosophy and Psychology
MAJUMDAR, D. N., M.A., PH.D., F.R.A.I., F.N.I., P.R.S., Anthropology
SINGH, B., M.A., PH.D., D.LITT., Economics
SINGH, S. V., M.A., PH.D., Sanskrit

Faculty of Science:
BALLABH, R., M.SC., PH.D., Mathematics
DAS GUPTA, S. N., M.SC., PH.D., D.I.C., Botany
KRISHWAN, P. S., M.A., M.SC., PH.D., F.R.I.C., Chemistry
LAL, M. B., D.SC., F.A.SC., Zoology
SEN, A. B., M.SC., PH.D., Chemistry
SHULA, S. N., M.SC., PH.D., A.R.I.C., Chemistry

Faculty of Law:
NIGRAM, S. S., M.SC., LL.M., Advocate

Faculty of Medicine:
BHATIA, B. B., M.D., M.R.C.P., Medicine
ENGINEER, Kumari A. D., M.D., F.R.C.S., F.R.C.O.G., Obstetrics and Gynæcology
CHATTERJI, C., B.SC., M.B.B.S., D.M.R., Radiology
CHAWLA, T. N., B.SC., B.D.S., L.D.S.R.C.S., Dentistry
GUJRAL, M. L., M.B.B.S., M.R.C.P., Pharmacology
GUPTA, S., M.B.B.S., F.R.C.S., D.O.M.S., Ophthalmology
LASAD, B. G., N.B.B.S., M.D., D.PH., D.T.M., Social Medicine and Public Health
MANGALIK, V. S., M.D., D.C.P., Pathology
MISRA, R. N., M.B.B.S., M.S., D.L.O., R.C.S., Oto-Rhino-Laryngology
MISRA, S. C., S.S., M.D., M.B.B.S., M.R.C.P., L.R.C.P., F.R.C.S., Surgery
MISRA, S. S., M.D., M.R.C.P., Clinical Medicine
NARANI, D., M.B.B.S., M.S., Anatomy
SHUKLA, R. C., M.D., Physiology
SINGH, R. V., M.B., M.S., F.R.C.S., Clinical Surgery
SINHA, B., M.B.B.S., M.R.C.S., L.R.C.P., F.R.C.S., F.I.C.D., Orthopædic Surgery
SRIVASTARA, R. C., M.B.B.S., P.M.S., Forensic Medicine
TANDON, R. N., M.B.B.S., M.R.C.P., T.D.D., D.M.R.E., Tuberculosis
YAJNIK, B. S., M.B.B.S., D.P.H., Social and Preventive Medicine

Faculty of Commerce:
GUPTA, O. P., PH.D., F.S.S., Applied Economics
SARKAR, K. C., M.A., PH.D., Commerce

The university maintains thirty-two teaching departments.

CONSTITUENT COLLEGES:

Kanpur Medical College: Kanpur; f. 1955.

King George's Medical College: Lucknow; f. 1911; 4-year postgraduate medical courses have been established.

State College of Ayurveda: Lucknow; f. 1954.

ASSOCIATED COLLEGES:

D.A.V. Degree College: Lucknow; f. 1948.

Isabella Thoburn College: Lucknow; f. 1886.

Jubilee Girls' Degree College: Lucknow; f. 1955.

Kanyakubja College: Lucknow.

Kanyakubja Vocational Degree College: Lucknow; f. 1954.

Karamat Husain Muslim Girls' College: Lucknow; f. 1916.

Loreto Convent Degree College: Lucknow; f. 1958.

Lucknow Christian College: Lucknow; f. 1917.

Mahila Vidyalaya College: Lucknow; f. 1940.

Shia College: Lucknow; f. 1922.

Vidyant Degree College: Lucknow; f. 1954.

UNIVERSITY OF MADRAS

CHEPAUK, MADRAS 5

Telephone: Madras 86914.

Founded 1857; Teaching and Affiliating.

Chancellor: H.E. THE GOVERNOR OF MADRAS.
Vice-Chancellor: Lt.-Col. Sir A. LAKSHMANASWAMI MUDALIYAR, M.D., LL.D., D.SC., D.C.L., F.R.C.O.G., F.A.C.S.
Pro-Chancellor: C. SUBRAMANIAM, B.A., B.L., M.L.A.
Registrar: B. M. THIRUNARANAN, B.A.
Librarian: V. S. MUTHIAH, A.M.L.S., M.A.

Number of teachers: 180, including 31 professors.
Number of students: 59,635.
Publications: *University Calendar, University Journals, Annals of Oriental Research.*

FACULTY PRESIDENTS:

Faculty of Arts: R. BHASKARAN, M.A.
Faculty of Science: Sri S. J. SAVARIRAYAN, M.A.
Faculty of Law: S. RANGARAJAN.
Faculty of Teaching: Sri P. DORAIKANNOO, M.A., L.T.

Faculty of Medicine: (Vacant).
Faculty of Engineering: A. SRINIVASAN.
Faculty of Veterinary Science: B. A. D'SOUZA, G.M.V.C., B.V.SC.
Faculty of Oriental Learning: M. VARADARAJAN, PH.D.
Faculty of Agriculture: Sri S. KRISHNAMURTHI, B.SC.(AGR.), M.SC., PH.D.
Faculty of Technology: Sri G. S. LADDHA, B.SC.(TECH.), M.S.CH.E., PH.D., A.M.I.CHEM.E.
Faculty of Commerce: Sri G. V. K. RAO, M.A., B.L., M.B.A.
Faculty of Fine Arts: (Vacant).

PROFESSORS:

BALAKRISHNA, R., M.A., PH.D., Economics
BHASKARAN, R., M.A., Politics and Public Administration
BOAZ, G. D., M.A., D.PHIL., Psychology
DESAI, M. G., B.A., Architecture
EHRENFELS, U. R., PH.D., Anthropology
GNANAMUTHU, C. P., M.A., D.SC., F.Z.S., Zoology
JANAPATHAY, N. P. R., M.SC., D.PHIL., Geology and Geo-physics
JANARDHAN, P. B., M.A., PH.D., A.R.I.C., Inorganic and Analytical Chemistry
JAYARAMAN, V. S., B.E., A.M.I.E., A.M.I.I., CHEM.E., Engineering
KRISHNA RAO, D. B., M.A., M.SC., PH.D., Library Science
KRISHNA RAO, G. V., M.A., B.L., M.B.A., Business Management
KRISHNAMURTHI, S., B.SC., B.SC.(TECH.), PH.D., Textile Technology
KRISHNAN, V. S., M.A., D.SC., B.T., Mathematics
KURIYAN, G., B.A., B.SC., PH.D., Geography
LADDHA, G. S., B.SC.(TECH.), M.S.CH.E., PH.D., Chemical Engineering
MADHAVAN, N. A. P., M.A., Chemical Technology
MAHADEVAN, T. M. P., M.A., PH.D., Indian Philosophy
MAHALINGAM, T. V., M.A., D.LITT., Archæology
MARIAPPA, B. M., M.A., Kannada
PILLAI, K. K., M.A., D.PHIL., D.LITT., Indian History
RAGHAVAN, V., M.A., PH.D., Sanskrit
RAJALAKSHMAN, D. V., M.A., M.SC., PH.D., F.S.S., Statistics
RAMACHANDRAN, G. N., M.SC., PH.D., A.I.I.SC., F.A.SC., Physics
RAMAKRISHNAN, A., B.SC., PH.D., Theoretical Physics
SADASIVAN, T. S., PH.D., D.SC., F.A.SC., F.B.S., F.N.I., Botany
SHARMUGASUNDARAM, E. R. B., M.A., PH.D., Biochemistry
SWAMINATHAN, S., B.SC., PH.D., A.R.I.C., Organic Chemistry
VARADARAYAN, M., M.O.L., PH.D., Tamil

Madurai Post-Graduate Centre:

BRIGHT SINGH, D., B.A., PH.D., Economics
DORAI RANGASWAMI, M. A., M.A., M.O.L., PH.D., Tamil
KRISHNAN, G., M.A., M.SC., PH.D., Zoology
SANTHAPPA, M., B.A., PH.D., Chemistry
VENKATARAMEN, M., M.A., PH.D., Mathematics

The university maintains thirty-six teaching and research departments.

CONSTITUENT COLLEGES:

Agurchand Manmull Jain College: Meenambakkam, Madras 27; f. 1952.

College of Engineering: Guindy, Saidapet, Madras; f. 1784.

Ethiraj College for Women: Egmore, Madras; f. 1948.

Government Arts College: Mount Road, Madras; f. 1918.

Lady Willingdon Training College: Triplicane, Madras; f. 1923.

Loyola College: Nungambakam, Madras; f. 1928.

Madras Law College: George Town, Madras; f. 1925.

Madras Medical College: Park Town, Madras; f. 1935.

Madras Veterinary College: Vepery, Madras; f. 1903.

Meston Training College: Royapettah, Madras; f. 1937.

New College: Royapettah, Madras; f. 1951.

Pachaiyappa's College: Kilpauk, Madras; f. 1842.

Presidency College: Chepauk, Madras; f. 1840.

Queen Mary's College: Mylapore, Madras; f. 1914.

S.I.E.T. Women's College: Madras; f. 1955.

Sir Theagaraya College: Washermanpet, Madras; f. 1950.

Stanley Medical College: George Town, Madras; f. 1938.

St. Christopher's Training College: Vepery, Madras; f. 1923.

Stella Maris College: Cathedral, Madras; f. 1947.

Teachers' College: Saidapet, Madras; f. 1856.

Vivekananda College: Mylapore, Madras; f. 1946.

Women's Christian College: Madras; f. 1915.

There are ninety-two other colleges affiliated to the university.

MARATHWADA UNIVERSITY

AURANGABAD (DECCAN), MAHARASHTRA STATE

Telephone: 669.

Founded 1958; Teaching and Affiliating.

Chancellor: THE GOVERNOR OF MAHARASHTRA.
Vice-Chancellor: Dr. N. R. TAWDE, M.SC., PH.D., F.N.I., F.INST.P.
Registrar: Shri M. B. CHITNIS, M.A.
Librarian: Shri N. A. GORE, M.A., DIP.LIB.

Number of teachers: 678.
Number of students: 14,400.

Publications: *Annual Report, University Journal, University Handbook.*

DEANS:

Faculty of Arts: Dr. R. S. GUPTE, M.A., PH.D.
Faculty of Science: (Vacant).
Faculty of Law: L. S. KULKARNI.
Faculty of Medicine: Dr. G. K. KARANDIKAR.
Faculty of Commerce: (Vacant).
Faculty of Agriculture: L. SHREENIVAS, M.SC.
Faculty of Education: N. T. VARTAK, M.SC., M.ED.
Faculty of Engineering: G. P. NAGARKAR, B.E.

FULL PROFESSORS:

BOARKAR, V. V., M.A., PH.D., Economics
DESHPANDE, K. B., M.SC., PH.D., Botany
KHANOLKAR, D. D., M.SC., PH.D., Chemistry
KULKARNI, W. L., M.A., Marathi Language and Literature
LAUD, B. B., M.SC., PH.D., Physics
LAXMIKANTHAM, V., M.A., PH.D., Mathematics
MEHDI ALI, S., M.SC., PH.D., Zoology
RAGHAWACHARYULU, D. V. K., M.A., PH.D., English

AFFILIATED COLLEGES:

There are thirty affiliated colleges, including a medical college, a law college, three teachers' training colleges, an agricultural college and an engineering college.

UNIVERSITY OF MYSORE

P.O.B. 14, MYSORE

Telephone: 677.

Founded 1916; Teaching and Affiliating.

Chancellor: Gen. S. M. SHRINAGESH.
Vice-Chancellor: Dr. K. L. SHRIMALI, M.A., PH.D.
Registrar: K. R. RAMACHANDRAN, I.A.S.
Librarian: (Vacant).

Number of teachers, including professors: 263.
Number of students: 45,867.

DEANS:

Faculty of Arts: K. B. Y. THOTAPPA, M.A., PH.D.
Faculty of Science: K. VENKATACHALIENGAR, D.SC.
Faculty of Engineering: B. R. N. IYENGAR, B.SC., B.E.S.M.
Faculty of Medicine: M. B. URS, B.SC., M.B.B.S., F.R.F.P.S.
Faculty of Education: N. S. VEERAPPA, B.SC. (HONS.), B.T., D.ED.
Faculty of Law: K. N. RAO, B.A., B.L.
Faculty of Commerce: B. V. BANUMAIAH, B.A., B.COM.
Faculty of Agriculture: Dr. M. PUTTARUDRAIAH.
Faculty of Textiles: M. R. K. MURTHY.

PROFESSORS:

ALI KHAN, K., M.A., PH.D., Urdu
BEGUM, Mrs. HABEEBUNNISA, M.A., PH.D., Urdu
BHYRAPPA, V., Electrical Engineering
CHANDRASEKHAR, S., M.SC., PH.D., Physics
GHORI, G. K., M.SC., PH.D., Geography
HUCHAPPA, G. T., M.A., PH.D., Economics
JAVARE GOWDA D., M.A., Kannada
KESHAVA HEGDE, S. V., M.SC., PH.D., Mathematics
KRISHNAN, B., M.SC., PH.D., Psychology
MENODONKA, A. D'., PH.D., Philosophy
NARASIMHAIAH, C. D., M.A.(CANTAB.), English
NARASIMHAIAH, D. B., Civil Engineering
NARAYAN, G., M.SC., PH.D., Chemistry
NARAYAN, K. N., M.SC., PH.D., Botany
NARAYANA IYENGAR, B. R., Mechanical Engineering
RAJASEKHARASETTY, M. R., M.SC., PH.D., Zoology
RAMACHANDRA RAO, S., M.A., Sanskrit
RANGANNA, T., Mathematics
SHANTHAVEERAPPA, S. N., M.A., English
THOTAPPA, K. B. Y., M.A., PH.D., Political Science
VENKATACHALA IYENGAR, K., D.SC., Mathematics
VISWANATHAIAH, M. N., M.SC., PH.D., Geology

UNIVERSITY COLLEGES:

Maharaja's College, Mysore; Yuvaraja's College, Mysore; Maharani's College for Women, Mysore; Central College, Bangalore 1; Maharani's College for Women, Bangalore 1; First Grade College, Tumkur; Sahyadri College, Shimoga; Teachers' College, Mysore; College of Engineering, Bangalore; R. C. College of Commerce, Bangalore 1; Intermediate College, Bangalore 1; First Grade College, Chitradurga; First Grade College, Hassan; D. R. M. College, Davanagere; Intermediate College, Chikmagalur; Intermediate College, Kolar; Intermediate College, Mandya.

AFFILIATED STATE COLLEGES:

Medical School, Bangalore 2; Medical College, Mysore; Agricultural College, Hebbal, Bangalore 6; Mysore Veterinary College, Hebbal, Bangalore 6; Bangalore Medical College, Bangalore 2; Government Law College, Bangalore 9; Sri Krishnarajendra Silver Jubilee Technological Institute, Bangalore 1; Government College, Mercara (Coorg); Government Training College, Mangalore; Government Arts College, Mangalore; B.D.T. College of Engineering, Davanagere.

AFFILIATED PRIVATE COLLEGES:

St. Philomena's College, Mysore; Sharada Vilas College, Mysore; D. Banimiah's College of Commerce, Mysore; National College, Bangalore 4; Vijaya College, Bangalore 4; Acharya Pathasala College of Arts and Commerce, Bangalore 4; College of Arts and Commerce, Malleswaram, Bangalore 3; Sri Renukacharya College, Bangalore 1; St. Joseph's College, Bangalore 1; Mount Carmel College, Bangalore 1; Veerasaiva College, Bellary; Intermediate College, Chamarajanagar; The Rural College, Kanakapura; B. M. Shetty Intermediate College, Konanur; Vidyodaya College, T. Narasipur; St. Philomena's College, Puttur (S.K.); St. Ann's Training College, Mangalore; St. Agnes College, Mangalore; St. Aloysius College, Mangalore; Mahatma Ghandi Memorial College, Udipi (S.K.); Sharada Vilas Law College, Mysore; Institute of Education, 289, Nazarbad, Mysore; National Institute of Engineering, Mysore; B.M.S. College of Engineering, Basavangudi, Bangalore 4; M.E.S. Teachers' College, Malleswaram, Bangalore 3; Rashtreeya Vidyalaya Teachers' College, Bangalore 4.

OTHER AFFILIATED STATE COLLEGES:

Srimad Bhuvanendra College, Karkala (S.K.); Sri Poornapragna College, Udipi (S.K.); Karnatak Engineering College, Surathkal (S.K.); Malnad Engineering College, Hassan; Vijaya Teachers' College, Shantinager, Bangalore 1; Dental College, Bangalore; Manasa Gangotri, Mysore 2; All India Institute of Mental Health, Bangalore; Government Arts and Science College, Bangalore; Smt. V.H.D. Central Institute of Home Science, Bangalore; M. S. Ramaiah College of Engineering, Bangalore; College of Engineering, Mandya; Medical College, Bellary; Kalpatharu College, Tiptur; K.G.F. First Grade College, Kolar.

OTHER AFFILIATED PRIVATE COLLEGES:

Teresian Carmal College, Manoranjan Mahal, T. Narasipur Road, Mysore 1; Ramakrishna Vidyashala, V. V. Mohalla, Mysore 2; K.L.E.S. College of Arts and Science, Mahatma Gandhi Road, Bangalore 1; Dayananda College of Science, 29 Lalbagh Road, Bangalore; Vijaya College, Mulki (S.K.); Sri Bhandrakar's College of Arts and Science, Coondapur (S.K.); St. John's Medical College, St. Mary's Town, Bangalore 5; Sri Siddaganga College of Engineering, Tumkur; Sri Jayachamarajendra College of Engineering, Mysore; Rastreeay Vidyalaya College of Engineering, Jayanagar, Bangalore 11; Saradavila's Teachers' College, Mysore 1; Regional College of Education, Mysore 2; National College of Education, Shimoga; Kotturswamy College of Education, Bellary; B. M. Sreenivasiah Law College, Basavanagudi, Bangalore 4; K.L.S. College of Law, Malleswaram, Bangalore 3; Renukacharya Law College, Ananda Rao Circle, Bangalore 9; Mahajana College, V.V. Mohall, Mysore; J.S.S. College of Commerce and Science, Ramanuja Road, Mysore 4; B.M.S. Women's College, Basavanagudi, Bangalore 19; A.E.S. National College, Gowribidanur (Kolara Dist.); Vijayanagar College, Hospet; First Grade College, Sagar (Shimoga Dist.).

UNIVERSITY OF NAGPUR

NAGPUR, MAHARASHTRA

Telephone: 2382.

Founded 1923; Teaching and Affiliating.

Chancellor: THE GOVERNOR OF MAHARASHTRA.
Vice-Chancellor: Col. P. P. DEO, M.A.
Registrar: Dr. S. V. BHAGWAT, M.A., PH.D.
Librarian: V. V. KULKARNI, M.A., M.LIB.

The library contains 120,246 volumes, including 5,655 MSS.

Number of teachers: 1,967.
Number of students: 40,487.

DEANS:

Faculty of Agriculture: (Vacant).
Faculty of Arts: Dr. D. G. MOSES, M.A., PH.D.
Faculty of Law: B. R. MANDLEKAR, B.A., LL.B.
Faculty of Medicine: Dr. P. L. POWAR, M.D.
Faculty of Science: (Vacant).
Faculty of Education: R. H. MUNJE, M.SC., DIP.ED.
Faculty of Commerce: M. R. TOKHI, M.A.
Faculty of Engineering and Technology: Dr. P. S. MENE, PH.D.

HEADS OF DEPARTMENTS:

Faculty of Arts:
AKOLKAR, V. V., M.A., Psychology
APTE, B. K., M.A., History
DEHADRAI, V. B., G.D., Art
DESHPANDE, G. T., M.A., D.LITT., Sanskrit
DESHPANDE, N. R., M.A., PH.D., Political Science
EAPEN, K. E., M.A., Journalism
IYENGAR, K. S., M.A., PH.D., Other Indian Languages
KULKARNI, L. R., M.A., Pali and Prakrit
LEONIE, Rev. SISTER, European Languages
MIRASHI, V. V., M.A., D.LITT., Ancient Indian History and Culture
MOSES, D. G., M.A., PH.D., Philosophy
MULEY, Y. M., M.A., F.L.A., Library Science
MUNJE, B. H., M.A., Economics
MURTY, V. S., M.A., Public Administration
NANDANPAWAR, L. S., B.SC. (HONS.), Music
PANDIT, B. S., M.A., Marathi
PATHAK, K. K., M.A., PH.D., Hindi
RAFIUDDIN, S., M.A., PH.D., Persian, Arabic and Urdu
SASTRI, P. S., M.A., D.LITT., English
TAMASKAR, B. G., M.A., Geography
WILKINSON, T. S., M.A., PH.D., Sociology

Faculty of Science:
BAPAT, R. N., M.SC., PH.D., Physics
BUCHE, A. B., M.SC., Statistics
KHATIB, S. M. H., M.SC., PH.D., Zoology
NATH, M. C., D.SC., Biochemistry
PATWARDHAN, G. K., M.SC., Mathematics
RAO, K. S., M.SC., F.G.S., Geology
SALDANHA, Miss M. A., M.A., PH.D., Home Science

Faculty of Law:
PADHYE, D. B., B.SC., LL.B., Law

Faculty of Education:
KARKARE, M. G., M.A., M.ED., Physical Education
TAMHANE, S. N., M.A., M.ED., Education

Faculty of Agriculture:
BALLAL, D. K., M.SC., Agricultural Chemistry
SHIRPURKAR, G. R., M.SC., Agricultural Extension and Agricultural Economics
(Vacant—Agricultural Engineering, Machinery and Survey; Botany, Plant Pathology and Entomology

Faculty of Medicine:
NIKORE, R. L., M.PHARM., DR.RER.NAT., Pharmacy
POWAR, P. L., M.D., Medicine
TARE, P. R., Ayurvedacharya, Ayurveda

Faculty of Commerce:
DESHMUKH, N. C., M.COM., Commerce and Business Economics
SHAH, M. M., M.A., PH.D., Languages, including English and Indian Languages
SHAHA, M. M., M.A., PH.D., Banking and Applied Economics
TOKHI, M. R., M.A., Accounts and Statistics

Faculty of Engineering and Technology:
CHATTERJEE, A. K., G.D.ARCH., M.ARCH., A.I.I.A., A.R.I.B.A., Architecture
MEHTA, T. N., PH.D., D.I.C., Oil and Chemical Technology
MENE, P. S., PH.D., Chemical Engineering
RAO, C. V. N., M.TECH., PH.D., Oil Technology
SARDESAI, V. V., B.E., A.M.I.E., Mechanical Engineering
TAMASKAR, D. G., B.E., Electrical Engineering
TILOO, K. N., B.SC., A.M.I.E., General Engineering

The university maintains the following teaching departments: Ancient Indian History and Culture (f. 1955), Biochemistry (f. 1946), Pharmacy (f. 1956), Geology (f. 1946), Political Science (f. 1946), Public Administration and Local Self-Government (f. 1949), Library Science (f. 1956), Postgraduate Humanities (f. 1958), Postgraduate Studies in Law (f. 1963), Postgraduate Studies in Science Subjects (f. 1963).

CONSTITUENT COLLEGES:

Laxminarayan Institute of Technology: f. 1942; number of teachers 15, students 187.
Director: P. S. MENE, PH.D., D.I.C., M.I.I.CHEM.ENG.

University College of Law: f. 1923; number of teachers 4, students 194.
Principal: Shri S. J. RAO, LL.M.

University Training College: f. 1945; number of teachers 17, students 182.
Principal: S. N. TAMHANE, M.A., M.ED.

AFFILIATED COLLEGES:

Adarsha Mahavidyalaya (*Arts and Commerce*): Dhamangaon; f. 1961, number of teachers 10, students 205.
Principal: P. V. LOKRAS, M.A.

Amolakchand Mahavidyalaya: Yeotmal; f. 1956; number of teachers 31, students 862.
Principal: M. H. KHERKAR, M.A.

Anand Niketan Arts, Science and Commerce College: Warora; f. 1964; number of teachers 13, students 143.

Arts and Commerce College: Arvi; f. 1963; number of teachers 11, students 260.
Principal: V. D. GOMKALE, M.A.

Arts and Commerce College: Daryapur; f. 1961; number of teachers 10, students 344.
Principal: R. G. TATTE, M.COM.

Bharative Mahavidyalaya: Amravati; f. 1963; number of teachers 14, students 707.
Principal: G. S. VAIDYA, M.A.

College of Agriculture: Akola; f. 1955; number of teachers 41, students 578.
Principal: N. G. KRISHNA, M.SC.

College of Agriculture: Nagpur; f. 1906; number of teachers 56, students 802.
Principal: N. M. JOGLEKAR, M.A.

College of Science: Nagpur; f. 1909; number of teachers 105, students 1,350.
Principal: S. M. H. KHATIB, M.SC., PH.D.

C.P. and Berar Education Society's Arts College: Nagpur; f. 1960; number of teachers 25, students 832.
Principal: R. B. MURKUTE, M.A.

Dr. Ambedkar College of Arts and Commerce: Nagpur; f. 1964; number of teachers 8, students 335.
Principal: M. R. SHRINIWASAN, M.A.

D.V.S.P. College: Dagras; f. 1963; number of teachers 9, students 207.
Principal: D. G. DESHMUKH, M.A.

Dhanwate National College: Nagpur; f. 1935; number of teachers 78, students 2,654.
Principal: M. M. LANJEWAR, M.A.

Dharampeth Arts and Science Mahavidyalaya: Nagpur; f. 1960; number of teachers 19, students 778.
Principal: V. G. VELANKAR, M.A.

Diploma College of Physical Education and Recreation: Amravati; f. 1964; number of teachers 5, students 21.
Principal: P. A. VAIDYA.

G. B. Murarka College of Arts and Commerce: Shegaon; f. 1964; number of teachers 6, students 136.
Principal: R. B. DOKEY, M.A.

G.S. College of Arts and Science: Khamgaon; f. 1947; number of teachers 43, students 1,094.
Principal: K. M. MUNSHI, M.SC.

G.S. College of Commerce: Wardha; f. 1940; number of teachers 26, students 1,115.
Principal: M. M. SHAH, M.A., PH.D.

G.S. College of Commerce and Economics: Nagpur; f. 1945; number of teachers 26, students 1,249.
Principal: M. R. TOKHI, M.A.

Government College of Education: Akola; f. 1956; number of teachers 11, students 64.
Principal: R. H. MUNJE, M.SC., M.R.S.T., DIP. IN ED.

Government Diploma Training Institute for Men: Amravati; f. 1946; number of teachers 13, students 128.
Principal: B. SINHA.

Government Diploma Training Institute for Women: Amravati; f. 1946; number of teachers 14, students 127.
Principal: Shrimati S. DEOSKAR, M.A.

Government Engineering College: Amravati; f. 1964; number of teachers 14, students 151.
Principal: M. V. DESHPANDE, M.S.

Government Polytechnic: Nagpur; f. 1914; number of teachers 25, students 171.
Principal: A. K. CHATTERJEE, G.D. (ARCH.), M.ARCH., A.I.I.A., A.R.I.B.A.

Government Post-Graduate Basic Training College: Amravati; f. 1955; number of teachers 6, students 45.
Principal: Y. V. JAWADEKAR, M.A.

Hislop College: Nagpur; f. 1884; number of teachers 78, students 1,490.
Principal: W. N. JOSEPH, M.A.

J. M. Patel Arts and Commerce College: Bhandara; f. 1964; number of teachers 7, students 284.
Principal: C. Y. SHASTRI, M.A.

Jagadamba Mahavidyalaya: Achalpur; f. 1962; number of teachers 12, students 344.
Principal: M. G. DHOTE, M.COM.

Janakidevi Bajaj College of Science: Wardha; f. 1962; number of teachers 21, students 308.
Principal: V. P. DAMLE, M.SC., PH.D., D.I.C.

Janata College of Education: Chanda; f. 1959; number of teachers 10, students 113.
Principal: S. K. JHA, M.ED.

Janata Kala Vanijya Mahavidyalaya: Malkapur; f. 1962; number of teachers 10, students 300.
Principal: R. K. PATIL, M.COM.

Janata Mahavidyalaya: Chanda; f. 1958; number of teachers 41, students 961.
Principal: B. N. BAND, M.SC.

Jijamata Mahavidyalaya: Buldana; f. 1956; number of teachers 7, students 277.
Principal: R. N. KHARCHE, M.A.

Kisanlal Nathamal College of Commerce and Arts: Karanja; f. 1961; number of teachers 9, students 258.
Principal: R. V. SOMAN, M.A.

Lady Amritbai Daga Women's College: Nagpur; f. 1932; number of teachers 44, students 768.
Principal: Miss M. A. SALDANHA, M.A., M.ED., PH.D.

M.M. College of Science: Nagpur; f. 1958; number of teachers 53, students 994.
Principal: B. N. VARADPANDE, M.SC.

Mahatma Fule Mahavidyalaya: Warud; f. 1960; number of teachers 6, students 163.
Principal: P. D. CHAUDHARY, M.A.

Medical College: Nagpur; f. 1947; number of teachers 130, students 821.
Principal: P. L. POWAR, M.D.

M.E.S. Arts College: Mehkar; f. 1961; number of teachers 10, students 301.
Principal: A. S. JOSHI, M.A., KOVID.

N.M.D. College of Arts and Commerce: Gondia; f. 1958; number of teachers 33, students 816.
Principal: K. K. VERMA, M.A.

Nabira Mahavidyalaya: Katol; f. 1961; number of teachers 14, students 375.
Principal: M. K. DESHPANDE, M.A.

Nagpur Mahavidyalaya: Nagpur; f. 1885; number of teachers 66, students 1,092.
Principal: M. K. DESHMUKH, M.A., PH.D.

Nagpur Veterinary College: Nagpur; f. 1958; number of teachers 33, students 172.
Principal: B. L. PUROHIT.

Newajabai Hitkarini College: Brahmapuri; f. 1962; number of teachers 9, students 311.
Principal: M. A. RAHIM, M.A., PH.D.

Phulsingh Naik Mahavidyalaya: Pusad; f. 1961; number of teachers 12, students 562.
Principal: P. W. URDHWARESHE, M.A.

Prashikshan Mahavidyalaya: Yeotmal; f. 1962; number of teachers 7, students 65.
Principal: G. R. TALENG, B.A. (HON.), B.T.

Punjabhai Patel College of Education: Gondia; f. 1963; number of teachers 5, students 72.
Principal: K. K. VERMA, M.A., B.T., LL.B.

Raj Mahavidyalaya: Amravati; f. 1960; number of teachers 23, students 782.
Principal: R. N. MUNDHADA.

Rajasthan Aryan College: Wasim; f. 1944; number of teachers 6, students 279.
Principal: V. P. MOHOGAONKAR, M.A.

R. S. Bidkar College of Arts and Commerce: Hinganghat; f. 1961; number of teachers 16, students 330.
Principal: M. R. CHAUDHARI, M.A.

S.B. City College: Nagpur; f. 1930; number of teachers 20, students 637.
Principal: B. R. DESHPANDE, M.A.

S.B. Mahila Mahavidyalaya: Nagpur; f. 1962; number of teachers 15, students 504.
Principal: Miss S. KOTHARE, M.A.

Samartha Mahavidyalaya: Lakhani; f. 1964; number of teachers 6, students 82.
Principal: M. T. DESHPANDE, M.A.

School of Social Work for Women: Nagpur; f. 1962; number of teachers 5, students 10.
Principal: KU. S. TAYAL, B.A., B.T.

Shri Gadge Maharaj Mahavidyalaya: Murtizapur; f. 1963; number of teachers 7, students 168.

S.P. Arts and Commerce College: Pulgaon; f. 1964; number of teachers 9, students 213.
Principal: G. N. CHANDAK, M.COM.

S.P.M. Mahavidyalaya: Wani; f. 1961; number of teachers 14, students 329.
Principal: (Vacant).

Shri Shivaji College: Akola; f. 1963; number of teachers 13, students 438.
Principal: A. L. KHANOLKAR, M.COM.

Shri Shivaji College: Amravati; f. 1946; number of teachers 76, students 2,595.
Principal: N. C. DESHMUKH, M.COM.

Shri Shivaji B.Ed. College: Amravati; f. 1961; number of teachers 8, students 70.
Principal: K. S. RAJE, M.A. VISHARAD.

Shri Shivaji College of Science: Amravati; f. 1964; number of teachers 29, students 574.
Principal: K. G. DESHMUKH, M.SC.

Shri Shivaji College: Akot; f. 1960; number of teachers 11, students 283.
Principal: G. M. SOMWANSHI, M.A.

Shrimati Laxmibai Radhakisan Toshniwal College of Commerce: Akola; f. 1964; number of teachers 17, students 890.
Principal: K. S. JOGLEKAR, M.A.

Sitabai Arts College: Akola; f. 1938; number of teachers 27, students 793.
Principal: R. K. PAGE, M.A., LL.B.

St. Francis de Sales College: Nagpur; f. 1956; number of teachers 48, students 802.
Principal: Rev. Fr. R. FALLEIRO, PH.L., D.D., M.A.

Swavalambi College of Education: Wardha; f. 1958; number of teachers 12, students 146.
Principal: N. D. KEOLIA, M.ED.

Vanijya Mahavidyalaya: Yeotmal; f. 1959; number of teachers 14, students 842.
Principal: S. D. DATEY, M.A.

Vidarbha Ayurved Mahavidyalaya: Amravati; f. 1960; number of teachers 27, students 74.
Principal: P. R. T. AYURVEDACHARAYA.

Vidarbha Mahavidyalaya: Amravati; f. 1923; number of teachers 148, students 1,756.
Principal: V. B. KOLTE, M.A., PH.D.

Visweswaraiya Regional College of Engineering: Nagpur; f. 1958; number of teachers 52, students 418.
Principal: V. S. MOKASHI, B.E.

Yeshwant Arts College: Wardha; f. 1960; number of teachers 14, students 517.
Principal: S. G. SOMALWAR, M.A.

OSMANIA UNIVERSITY

HYDERABAD,
ANDHRA PRADESH

Telephone: 72402.

Founded 1918; Teaching and and Affiliating.

Chancellor: Shri P. T. PILLAI.
Pro-Chancellor: H.R.H. Prince MUKARAMJAH BAHADUR, M.A.
Vice-Chancellor: D. S. REDDI, M.A., D.LITT.
Registrar: B. P. R. VITHAL, I.A.S.
Librarian: M. YAZDANI, B.A., DIP.L.SC.

The library contains 112,349 volumes.
Number of professors: 61.
Number of students: 26,821.
Publications: *Osmania Magazine, Syllabuses, University Act, University Handbook, University Almanac.*

DEANS:

Faculty of Arts: Prof. M. A. QADIR, B.SC.
Faculty of Science: Dr. N. V. S. RAO, D.SC., PH.D., D.I.C., F.R.I.C.
Faculty of Agriculture: Dr. H. A. RAZVI, B.AG., PH.D.
Faculty of Commerce: Dr. V. V. RAMANADHAM, M.COM., PH.D., A.I.T.
Faculty of Engineering: Prof. A. ALI, B.SC., A.M.I.E.
Faculty of Education: Mrs. ZOHRA BEGUM, M.A., M.ED.
Faculty of Veterinary Science: Dr. HUSSAIN, M.A., G.M.V.C.
Faculty of Law: Prof. G. C. V. S. RAO, B.SC., M.L.
Faculty of Medicine: Dr. M. Y. ANSARI.
Faculty of Technology: Dr. B. S. KULKARNI, M.SC., PH.D., M.I.I.CHEM.E.

PROFESSORS:

Faculty of Arts:
GAUTAM MATHUR, Economics
GOVINDARAJAN, S. A., Journalism
KHAN, M. A. M., M.A., PH.D., D.LITT., Arabic
KRISHNA MURTHY, B., Linguistics
KUMAR, S. K., M.A., PH.D., English
OSTERGAARD, G. M., Political Science
PRAKASA RAO, V. L. S., Geography
QADIR, M. A., M.A., B.SC., Economics
SHARMA, A., M.A., D.PHIL., Sanskrit

SIMONS, J. W., German
SRPATI, S. D., Philosophy
WAHEEDUDUDDIN, S., Philosophy

Faculty of Science:
IYENGAR, K. S., Physics
KARANDIKAR, R. V., Astronomy
MOHAMMED, S. S., Chemistry
SATYANARAYANA, R., PH.D., Physics
SINGH, S. N., M.SC., D.SC., PH.D., Zoology
SUBBA RAO, N. V., D.SC., PH.D., D.I.C., F.R.I.C., Chemistry
SUXENA, M. R., Botany

Faculty of Agriculture:
RAZVI, H. A., B.A.G., PH.D., Plant Breeding

Faculty of Commerce:
RAMANADHAM, V. V., M.COM., PH.D., A.I.T.

Faculty of Engineering:
ALI, A., B.SC., A.M.I.MECH.E., E.A.M.I.E., G.I.E.E., Mechanical Engineering
ASTHANA, K. C., M.S., PH.D., Civil Engineering
GADGIL, V. M., A.C.C.I., M.A.I.E., Electrical Engineering
KRISHNAN, M. S., Mining
NAIR, K. K., M.SC., D.I., I.SC., Telecommunications
RAO, H. S. SHESHAGIRI, B.SC., A.I.S.M., M.M.G.I., Mining
SUBRAMANYAM, K. V., Mining

Faculty of Education:
VEDANTACHARY, K.

Faculty of Veterinary Science:
HABIB KHAN, M., M.R.C.V.S.,

Faculty of Law:
SUBBA RAO, G. C. V.

Faculty of Medicine:
ALI, H. S., B.A., M.B.B.S., D.M.R.T., D.M.R.D., R.C.PA.S., Radiology
ANSARI, M. Y., M.B.B.S., L.R.C.P., PH.D., Pharmacology
BAJI, G. R., M.B.B.S., F.R.C.S., Thoracic Surgery
BOOSHAN RAO, I., M.B.B.S., M.D., Forensic Medicine
DAMODARAN, P., M.R.C.P., Venereal Diseases
HANUMANTHA RAO, G., M.B.B.S., M.SC., Anatomy
HARISHCHANDRA, M.B., M.R.C.P., D.C.H., Pædiatrics
JAYA, Y., M.B.B.S., PH.D., Anatomy
NAIDU, Mrs. P. M., F.R.C.S., Obstetrics, Gynæcology
NAIK, B. K., M.B.B.S., M.R.C.P., Medicine
PRAHLAD, V., M.B.B.S., D.P., M.S., Preventive Medicine
RAMANA RAO, P. V., B.SC., B.S., Microbiology
RANGANATHA RAO, K., M.B.B.S., B.SC., M.SC., PH.D., Biochemistry
RAO, A. B. N., M.B.B.S., F.R.C.S., D.L., Ear, Nose and Throat
RAO, B. D., M.S., Neuro-Surgery
RAO, M. G., L.D.SC., P.G.R., F.A.I.D., Dental Surgery
RAO, SHANKAR, M.B.B.S., PH.D., Physiology
RAO, V. G., M.B.B.S., Pathology
REDDY, D. V. S., M.B.B.S., M.SC., History of Medicine
REDDY, M. R., M.B.B.S., F.R.C.S., M.CH., Orthopædic Surgery
REDDY, P. S., M.B.B.S., D.O., M.S., Ophthalmology
SISODIA, P., Pharmacology
SITARAMAYYA, C., M.B.B.S., M.R.C.P., PH.D., Physiology
SUBBARAO, G., F.R.C.S., Surgery
SURTI, B. S., M.B.B.S., F.R.C.S., M.R.C.O.G., Obstetrics and Gynæcology
SWAMY, N. R. V., M.B.B.S., M.R.C.P., Medicine
VENKAT RAO, M., M.B.B.S., D.A., M.R.C.PA.S., Anæsthesia

Faculty of Technology:
KULKARNI, B. S., M.SC., PH.D.

UNIVERSITY COLLEGES:

College of Law: Hyderabad; f. 1960.
Principal: G. C. V. S. RAO.

University College of Arts and Commerce: Hyderabad; f. 1918.
Principal: M. A. QADIR.

University College of Education: Hyderabad; f. 1918.
Principal: Mrs. SYEDA ZOHRA BEGUM.

University College of Engineering: Hyderabad; f. 1929.
Principal: Prof. A. ALI, B.SC., A.M.I.E.

University College of Science: Hyderabad; f. 1918.
Principal: Dr. N. V. S. RAO, D.SC., PH.D., F.R.I.C.

University College of Veterinary Science and Animal Husbandry: Hyderabad; f. 1946.
Principal: Dr. M. A. HUSSAIN.

CONSTITUENT COLLEGES:

College of Agriculture: Rajendranalar, Hyderabad; f. 1946.
Principal: H. A. RAZVI.

College of Arts and Science: (Day Session) Warangal, Andhra Pradesh; f. 1927.
Principal: Major S. M. A. DIN.

College of Arts and Science: (Evening Session) Warangal; f. 1960.
Principal: P. L. M. SERMA.

Evening College of Arts and Commerce: Hyderabad; f. 1949.
Principal: P. V. RAJGOPAL.

Evening College of Arts and Commerce: Secunderabad; f. 1949.
Principal: M. P. RAO.

Nizam College: Hyderabad; f. 1887.
Principal: Dr. P. G. PURANIK.

Saifabad Science College: f. 1951.
Principal: M. A. SALAM.

Secunderabad Arts and Science College: Secunderabad.
Principal: I. H. KHAN.

Women's College: Hyderabad; f. 1924.
Principal: S. S. DEVI.

AFFILIATED COLLEGES:

Anwarul Uloom College: Hyderabad; f. 1953.
Principal: S. A. AKBAR.

Arts and Science College: Jadcherla, Mahbubnagar District; f. 1963.
Principal: I. LAXMANASWAMY.

Badruka College of Commerce and Economics: (Day Session) Hyderabad; f. 1950.
Principal: K. N. ACHARYA, M.A.

Badruka College of Commerce and Economics: (Evening Session) Hyderabad; f. 1958.
Principal: K. N. ACHARYA, M.A.

Gandhi Medical College: Hyderabad; f. 1955.
Principal: Dr. B. S. SURTI.

Girraj Government College: Nizamabad; f. 1956.
Principal: R. S. N. MURTHY.

Government Arts and Science College: Siddipet; f. 1956.
Principal: K. MURTHY.

Government Arts and Science College: Adilabad; f. 1957.
Principal: M. S. SASTRI.

Government City Science College: Hyderabad; f. 1922.
Principal: G. G. KRISHNA.

Government College of Home Science: Hyderabad; f. 1961.
Principal: Mrs. SARATHY.

Government College of Nursing: Hyderabad; f. 1963.
Principal: Miss T. H. A. KHAN.

Government College of Physical Education: f. 1959.
Principal: S. H. HUSSAINI.

Government Teachers' Training College: Warangal; f. 1954.
Principal: C. S. N. MURTHY.

Government Training College: Hyderabad; f. 1959.
Principal: Mrs. T. M. YAZDANI.

Hindi Mahavidyalaya: Hyderabad; f. 1961.
Principal: K. DUTT.

Kakatiya Medical College: Warangal; f. 1959.
Principal: LAKSHMINARAYAN.

Mumtaz College: Malakpet, Hyderabad; f. 1957.
Principal: K. RAHMAN.

Nagarjuna Government Arts and Science College: Nalgonda, Andhra Pradesh; f. 1956.
Principal: P. C. ASTHANA.

Nanakram Bhagwandas Science College: Hyderabad; f. 1954.
Principal: C. V. R. RAO.

New Science College: Narayanguda, Hyderabad; f. 1956.
Principal: C. SUDARSHAN.

Osmania Medical College: Hyderabad; f. 1926.
Principal: M. Y. ANSARI.

Raja Bahadur Venkatrama Reddy Women's College: Hyderabad; f. 1954.
Principal: G. P. INDIRA.

Regional Engineering College: Warangal; f. 1959.
Principal: Dr. A. PALLAYYA.

Regional Medical College: Warangal; f. 1959.
Principal: LAKSHMINARAYAN.

S.R. & B.G.N.R. Arts and Science College: Khammemeth, Andhra Pradesh; f. 1956.
Principal: V. VISWANATHAM.

S.R.R. Government Arts and Science College: Karimnagar; f. 1956.
Principal: I. V. C. RAO.

St. Francis College for Women: Francis Street, Secunderabad; f. 1959.
Principal: S. F. ELENA.

Sri Ramachandra Arts and Science College: Kothagudiam; f. 1964.
Principal: KAILASAPATHY.

Sri Venkateswara Arts and Science College: Palem, Mahbubnager District; f. 1963.
Principal: K. N. RAO.

Urdu College: Hyderabad; f. 1962.
Principal: H. SHAHED.

Vanita Mahavidyalaya: Hyderabad; f. 1962.
Principal: Mrs. F. REGE.

Vivek Vardhini College (Day Session) Gowliguda, Hyderabad; f. 1949.
Principal: S. D. SATWALEKAR, PH.D.

Vivek Vardhini College: (Evening Session) Gowliguda, Hyderabad; f. 1958.
Principal: S. D. SATWALEKAR, PH.D.

ORISSA UNIVERSITY OF AGRICULTURE AND TECHNOLOGY

BHUBANESWAR 3,
DISTRICT PURRI, ORISSA

Founded 1962; Teaching and Research.

President: Col. M. C. PRADHAN.
Vice-President: D. MISRA.
Registrar: N. R. PATNAIK.
Comptroller: Y. PASAYAT.

The library contains 12,536 volumes.
Number of teachers: 143.

DEANS:

Faculty of Agriculture: Dr. B. PARIJA.
Faculty of Veterinary Science and Animal Husbandry: Dr. G. BISWAL.
College of Basic Science and Humanities: H. K. PATNAIK (Director).

PROFESSORS:

DAS, D. N., Pathology
MAHAPATRA, K. N., Animal Husbandry
MISRA, A., Pharmacology
MISRA, B., Agricultural Economics
MISRA, S. K., Medicine
MOHANTY, B. B., Obstetrics and Gynæcology
MOHANTY, J., Surgery
MOHANTY, N. N., Mycology
NAYAK, B. C., Pathology (*Acting*)
PANDA, L. D., Anatomy II
PANDA, S. N., Bacteriology
PATNAIK, N., Physiology and Biochemistry
PRUSTY, J. N., Anatomy I
SAHU, B. N., Agronomy
SINHA, S. K., Agricultural Botany

PANJAB UNIVERSITY

CHANDIGARH 3

Telephone: 324.

Founded 1947; Teaching and Affiliating.

Chancellor: H.E. THE GOVERNOR OF THE PANJAB.
Vice-Chancellor: Dr. A. C. JOSHI, D.SC., M.SC., F.N.I.
Registrar: K. S. NARANG, M.A.
Librarian: J. S. SHARMA, PH.D., M.A.

Number of teachers: 261 (excluding affiliated colleges).
Number of students: 57,163 (including affiliated colleges).
Publications: *University News, Research Bulletin.*

DEANS:

University Instruction: H. P. DWIVEDI, D.LITT.
Faculty of Arts: S. SINGH, M.A., PH.D.
Faculty of Languages: D. C. SHARMA, M.A., M.P.
Faculty of Science: P. N. MEHRA, D.SC., F.N.I., F.N.A.SC.
Faculty of Engineering and Technology: T. SINGH, B.SC.(ENG.), M. & E.E., M.I.E.
Faculty of Education: J. D. SHARMA, I.A.S.
Faculty of Commerce: S. B. S. T. SINGH, B.A., LL.B.
Faculty of Law: M. C. MAHAJAN, LL.D.
Faculty of Agriculture: L. S. NEGI, PH.D.
Faculty of Medicine: Y. SACHDEV, M.B.B.S., M.S.
Faculty of Dairying and Animal Husbandry: N. N. DASTUR.

PROFESSORS:

Faculty of Arts:
ANAND, M. R., PH.D., Fine Arts and Literature
BAMBAH, R. P., M.A., PH.D., Mathematics
DWIVEDI, H. P., D.LITT., Hindi
GUPTA, H. R., M.A., PH.D., Mathematics
KHANNA, B. S., M.A., PH.D., Public Administration
KOHLI, S. S., M.A., PH.D., Panjabi
KUMAR, R., M.A., PH.D., English
RANGNEKAR, S. B., M.A., PH.D., Economics
SINGH, M. M., M.A., D.PHIL., Economics
SHUKLA, D. N., M.A., PH.D., D.LITT., Sanskrit

Faculty of Science:
ANAND, G. M., M.SC., PH.D., Physics
MEHRA, P. N., D.SC., F.N.I., Botany
NAIDU, P. R. J., D.PHIL., Geology
NANDA, K. K., PH.D., F.N.A.SC., Botany
NARANG, K. S., M.SC., PH.D., Chemistry
PAUL, R. C., M.SC., PH.D., Chemistry
PURI, B. R., M.SC., PH.D., Chemistry
SAHNI, M. R., M.A., D.SC., F.N.I., Geology
SHARMA, G. P., M.SC., PH.D., Zoology
THIND, K. S., M.SC., PH.D., Botany

Faculty of Engineering and Technology:
GHOSH, B., M.SC., M.S., D.SC.

Faculty of Law:
SARKAR, U. C., M.A., M.L., LL.D., Law

Faculty of Education:
GUPTA, B. L., D.P.E., PH.D., Physical Education

The university maintains thirty teaching departments.

CONSTITUENT COLLEGES:

Panjab University Law College: Chandigarh; f. 1948.

There are 143 affiliated colleges, including:

Christian Medical College: Ludhiana; f. 1894.
Principal: Dr. EILEEN SNOW, M.B.B.S.(ENG.), M.R.C.S.(ENG.), L.R.C.P.(LOND.).
Number of teachers: 71.
Number of students: 250.
(Supported by Christian Missionary Societies in U.S.A. and U.K.)

PANJAB AGRICULTURAL UNIVERSITY

LUDHIANA, PANJAB

Telephone: 2721.

Founded 1962; Teaching and Research.

The university is modelled on the pattern of the American Land Grant Institutions.

Chancellor: U. SINGH.
Vice-Chancellor: P. N. THAPER.
Registrar: C. D. KHANNA, I.A.S.

Library of 23,000 volumes, 600 periodicals.
Publications: *Journal of Research* (quarterly in English), *Progressive Farming* (bi-monthly in English), *Unnat Kheti* (bi-monthly in Hindi), *Changi Kheti* (bi-monthly in Punjabi), *Pau News* (monthly in English).

DEANS:

College of Agriculture, Ludhiana: G. SINGH, M.SC., PH.D.
College of Agricultural Engineering, Ludhiana: C. M. JACOB, PH.D.
College of Agriculture, Hissar: J. S. KANWAR, M.SC., PH.D. (acting).
College of Veterinary and Animal Science, Hissar: C. M. SINGH, PH.D.
Postgraduate Studies: D. SUNDARESAN, M.A.M.S., PH.D.
Research: J. S. KANWAR, M.SC., PH.D. (Director).
Extension Education: K. K. SINGH, M.SC., PH.D. (Director).

PROFESSORS:

ATHWAL, D. S., PH.D., Plant Breeding
ATWAL, A. S., PH.D., Zoology and Entomology
BHUMBLA, D. R., PH.D., Soils
CHANDA, K. C., PH.D., Mathematics and Statistics
KAHLON, A. S., PH.D., Economics and Sociology
KALIA, H. R., PH.D., Genetics
MOOLANI, M. K., PH.D., Agronomy

NAURIYAL, J. P., PH.D., Horticulture
SHARMA, U. D., PH.D., Animal Husbandry
SIDHU, G. S., PH.D., Chemistry and Biochemistry
SINGH, I. P., PH.D., Veterinary Bacteriology.
SURYANARAYANA, D., PH.D., Botany
VYAS, S. R., PH.D., Microbiology

UNIVERSITY OF PATNA

PATNA 5, BIHAR
Telephone: 2322.

Founded 1917: re-founded 1952; Residential and Teaching.

Chancellor: THE GOVERNOR OF BIHAR.
Vice-Chancellor: G. JACOBS, M.A., M.SC., PH.D.
Registrar: K. P. AMBASTHA, PH.D., M.A.
Librarian: I. N. SINHA, DIP.LIB.SC.

The library contains 110,000 volumes.
Number of teachers: 530.
Number of students: 10,190.
Publication: *University of Patna Journal.*

DEANS:

Faculty of Arts: Prof. P. S. MUHAR.
Faculty of Education: R. PRASAD, M.SC., M.ED.
Faculty of Engineering: D. N. SINGH, A.M.I.E., PH.D.
Faculty of Law: V. V. DESHPANDE, M.A., LL.M.
Faculty of Medicine: Prof. V. N. SINGH.
Faculty of Science: Prof. R. P. ROY.
Faculty of Commerce: B. R. MISRA, M.A., LL.B., PH.D., D.SC.
Faculty of Veterinary Science: H. R. KAPOOR.

The university maintains thirty-seven teaching departments and thirty-four postgraduate departments.

CONSTITUENT COLLEGES:

Bihar College of Engineering: Mahendru, Patna; f. 1924; 4-year course; 66 new student admissions every year.
Principal: D. N. SINGH, B.SC.(ENG.), A.M.I.E. (IND.). A.M.I.PROD.E. (LOND.), PH.D. (GLASGOW).
Number of teachers: 31.
Number of students: 362.

Bihar National College: Bankipur, Patna 4; f. 1917.
Principal: D. P. VIDYARTHY, M.A., PH.D.
Number of teachers: 82.
Number of students: 2,241.

Magadh Mahila College: Patna; f. 1946.
Principal: Mrs. P. NANDI, M.A., M.SC.
Number of teachers: 36.
Number of students: 762.

Patna College: P.O. Bankipur, Patna, Bihar; f. 1863; the oldest college in the province, and the parent institution of three other colleges.
Principal: Dr. K. K. DUTTA, M.A., PH.D., P.R.S.
Number of teachers: 77.
Number of students: 1,342.

Patna Law College: P.O. Mahendru, Patna, Bihar; f. 1906.
Principal: V. V. DESHPANDE, M.A., LL.M.
Number of teachers: 27.
Number of students: 564 men.

Patna Training College: Patna; f. 1908.
Principal: D. P. GUPTA, M.A., M.ED., PH.D.
Number of teachers: 5.
Number of students: 141.

Patna Women's College: Patna; f. 1940.
Principal: Sister M. LUCILE, A.C., M.A.
Number of teachers: 24.
Number of students: 432.

Prince of Wales' Medical College: Bankipur, Patna; f. 1925.
Principal: G. PRASAD, B.SC., M.D., M.R.C.P., D.C.P., D.T.M., D.C.H.
Number of teachers: 55.
Number of students: 679.

Science College: Bankipur, Patna; f. 1927.
Principal: M. Q. DOJA, B.A.
Number of teachers: 58.
Number of students: 852.

Women's Training College: Patna; f. 1951.
Principal: Mrs. S. SINHA, M.A., DIP. IN ED.
Number of teachers: 4.
Number of students: 56.

UNIVERSITY OF POONA

GANESHKHIND, POONA 7
Telephone: 56061-2-3.

Founded 1949: Teaching and Affiliating.

Chancellor: THE GOVERNOR OF MAHARASHTRA (*ex officio*).
Vice-Chancellor: Dr. N. V. GADGIL, B.A., LL.B., D.L.
Registrar: Shri W. H. GOLAY, B.A., DIP. IN ED., DIP. IN JOURNALISM.
Librarian: K. S. HINGWE, M.A., D.I.SC.

The library contains 106,897 volumes.
Number of teachers: 97.
Number of students (including external): 38,445 (including affiliated colleges).

The university maintains teaching departments in the following subjects: Botany (f. 1952), Chemistry (f. 1950), Experimental Psychology (f. 1950), Geography (f. 1950), Marathi (f. 1950), Mathematics and Statistics (f. 1950), Physics (f. 1950), Politics (f. 1950), Sanskrit (f. 1950), Zoology (f. 1950), Ancient Indian Culture and Archæology (f. 1962), Sociology and Anthropology (f. 1950), English (f. 1962), Geology (f. 1964), Hindi (f. 1960), Philosophy (f. 1965), Library Science (f. 1965), Modern European Languages (f. 1950), Linguistics (f. 1962), Journalism (f. 1964), Military Science (f. 1963).

DEANS:

Faculty of Arts: Dr. T. G. MAINKAR, M.A., D.LITT.
Faculty of Law: Prof. M. V. MEHENDALE, LL.M.
Faculty of Medicine: Dr. F. J. MENDONCA, M.B., B.S., F.C.C.P., F.C.P.S.
Faculty of Science: N. R. KULKARNI, M.SC.
Faculty of Engineering: Prof. G. K. OGALE, M.SC. M.E.
Faculty of Agriculture: Dr. S. SOLOMON, PH.D.
Faculty of Mental, Moral and Social Science: Dr. D. K. GARDE, M.A., D.LITT.
Faculty of Ayurvadic Medicine: Dr. K. V. KULKARNI, A.V.P.
Faculty of Commerce: Prin. M. S. GOSAVI, M.COM., B.A., LL.B.

HEADS OF DEPARTMENTS:

Chemistry: H. J. ARNIKAR, PH.D.
Physics: Dr. M. W. CHIPLONKAR, M.SC., D.SC.
Mathematics and Statistics: Dr. V. S. HUZURBAZAR, M.A., PH.D. (CANTAB.), F.N.I., F.S.S.
Botany: Dr. T. S. MAHABALE, B.A., M.SC., PH.D., F.N.I., F.A.SC., F.N.A.SC., F.B.A.
Zoology: Dr. L. MULHERKAR, M.SC., PH.D.
Geography: Prof. V. S. GANANATHAN, M.A., A.M., F.A.G.S.
Sanskrit and Prakrit Languages: Dr. R. N. DANDEKAR, M.A., P.HD.
Marathi: Dr. S. G. TULPULE, M.A., PH.D.
Experimental Psychology: Prof. V. K. KOTHURKAR, B.A. (CANTAB.), M.A.
Politics and Public Administration: Dr. D. K. GARDE, M.A., D.LITT.
Geology: R. V. SATHE, M.A., PH.D.
Sociology: Smt. H. ACHARYA, M.A.
Ancient Indian Culture: Dr. H. D. SANKALIA, M.A., LL.B., PH.D.
Modern Languages: Prof. Y. K. SOHONI, B.A., B.SC.
English: S. NAGARAJAN, M.A., PH.D.
Hindi: B. MISHRA, M.A., PH.D.
Persian and Urdu: Prof. G. D. S. SHAIKH, .MA.
Linguistics: A. M. CHATGE, M.A., PH.D,
Philosophy: V. S. NARAVANE, M.A.. PH.D.
History: R. D. CHOKSI, M.A., PH.D.
Journalism: M. D. SHAHANE, B.A.
Military Science: Maj.-Gen. Y. S. PARANJAPE.
Economics: Prof. N. V. SOVANI, M.A.
Library Science: K. S. HINGWE, M.A., DIP.LIB.

CONSTITUENT COLLEGES:

Armed Forces Medical College: Poona 1; f. 1962.

B.J. Medical College: Poona 1; f. 1946.

B.M. College of Commerce: Poona 4; f. 1943.

College of Agriculture: Poona 5; f. 1908.

College of Engineering: Poona 5; f. 1854.

Fergusson College: Poona 4; f. 1885.

Law College: Poona 4, f. 1924.

M.E. Society's College of Arts and Sciences: Poona 4; f. 1945.

Nowrosjee Wadia College: 19 Bund Road, Poona 1; f. 1932.

St. Mira's College for Girls: Poona 1; f. 1962.

Shahu Mandir Mahavidyalaya: Poona 2; f. 1960.

Sir Parashurambhau College: Poona 2; f. 1916.

Tilak College of Education: Poona 2; f. 1941.

Tilak Ayurveda Mahavidyalaya: 22 Nagesh Peth, Poona 2; f. 1955.

AFFILIATED COLLEGES:

Ahmednagar College: Ahmednagar; f. 1947.

Arts and Commerce College: Bhusawal: f. 1963.

Arts and Commerce College: Kopargaon; f. 1964.

Arts and Commerce College: Nanadurbar; f. 1964.

Arts and Commerce College: Nasik Road; f. 1963.

Arts and Science College: Faizpur; f. 1961.

Arts, Science and Commerce College: Chalisgaon; f. 1961.

Baramati College: Baramati; f. 1962.

B.Y.K. College of Commerce: Nasik; f. 1957.

Chandrarup Dakle Jain College of Commerce: Shirrampur; f. 1960.

College of Agriculture: Dhulia; f. 1960.

College of Education: Ahmednagar; f. 1965.

College of Education: Dhulia; f. 1961.

College of Education: Jalgaon; f. 1965.

College of Education: Nasik; f. 1965.

Dr. Babasaheb Ambedkar College of Arts, Science and Commerce: Mahad; f. 1961.

Graduate Basic Training Centre: Duhlia; f. 1962.

H.P.T. College: Nasik; f. 1924.

J.S.M. College: Alibag; f. 1961.

Karjat College: Karjat; f. 1964.

Maharaja Sayajirao Geakwad Arts and Science College: Malegaon; f. 1959.

Mahatma Gandhi Vidya Mandir: Malegaon; f. 1959.

Mooljee Jaitha Arts and Science College: Jalgaon (E.Kh.); f. 1945.

Pemraj Sarda College: Ahmednagar; f. 1962.

Pratap College: Amalner (E.Kh.); f. 1945.

Pratap College: Amalner; f. 1945.

R.A. Podar Medical College (Ayurvedic): Bombay; f. 1965.

R.B. Narayanrao Borawake College: Shrirampur; f. 1960.

Sangamner College: Sangamner; f. 1961.

Science College: Kopergaon; f. 1965.

Smt. Chandibai Himathmal College: Ulhasnagar; f. 1965.

S.P.D.M. College of Arts and Commerce: Shirpur; f. 1962.

S.S. V.P. Sanstha's Arts and Science and M.F.M.A. Commerce College: Dhulia; f. 1956.

Ulhasnagar College of Arts and Commerce: Ulhasnagar; f. 1961.

RECOGNISED INSTITUTIONS:

Armed Forces Medical College: Poona 1; f. 1958.
Commandant: Maj.-Gen. P. N. BARDHAN.

Bhandarkar Oriental Research Institute: Poona 4.
Director: A. D. PUSALKAR, M.A., PH.D.

College of Military Engineering: Poona; f. 1965.

Deccan College Post-graduate and Research Institute: Poona 6.
Director: S. M. KATRE, M.A., PH.D.

Gokhale Institute of Politics and Economics: Poona 4; f. 1928; publ. *Artha Vijnan* (quarterly).
Director: D. R. GADGIL, M.A., M.LITT.

Maharashtra Association for the Cultivation of Science: Poona 4; f. 1949.

UNIVERSITY OF RAJASTHAN

GANDHI NAGAR, JAIPUR

Telephone: 77235

Founded 1947: Teaching and Affiliating.

Chancellor: H.E. Dr. SAMPURNANAND, Governor of Rajasthan.
Vice-Chancellor: Dr. M. S. MEHTA, M.A., PH.D., BAR. AT LAW.
Registrar: C. L. SINGHAL, B.COM.
Librarian: N. N. GIDWANI, M.B., M.ED., LL.B., DIP.LIB.

Number of teachers: 2,433.
Number of students: 32,266.

DEANS:

Faculty of Arts: Dr. S. P. VARMA.
Faculty of Science: Dr. R. C. MAHROTRA.
Faculty of Commerce: Dr. OMPRAKASH.
Faculty of Law: Dr. I. C. SAXENA.
Faculty of Medicine: Dr. R. M. KASLIWAL.
Faculty of Education: Dr. M. C. SINGHAL.
Faculty of Engineering: V. G. GARDE.

PROFESSORS:

BHALLA, M. M., English
BHARGAVA, P. L., Sanskrit
CHELLIAH, Dr. R. J., Economics and Public Administration
DAYA KRISHNA, Philosophy
KHAN, Z., Public Administration
MAHROTRA, R. C., Chemistry
MATHUR, M. V., Economics and Public Administration
OMPRAKASH, Commerce
PANDE, G. C., History and Indian Culture
PATNI, G. C., Mathematics
RAMASWAMI, L. S,. Zoology
RODE, K. P., Geology
SARAF, B. L., Physics
SATEYNDRA, G. S., Hindi
SATISH CHANDRA, History and Indian Culture
SHARMA, G. S., Law
UNNITHAN, T. K. N., Sociology
VARMA, S. P., Political Science
(Vacant—Botany)

The university maintains the following teaching departments: Economics (Jaipur; f. 1949), Geology (Udaipur; f. 1950), History and Indian Culture (Jaipur; f. 1953), Philosophy (Jaipur; f. 1950), Law (University College, Jaipur; f. 1947), Mathematics (Jaipur; f. 1960), Zoology (Jaipur; f. 1960), Botany (Jaipur; f. 1960), Physics (Jaipur; f. 1960), Chemistry (Jaipur; f. 1960), German (Jaipur; f. 1960), French (Jaipur; f. 1960), Russian (Jaipur; 1960), Library Science (Jaipur; f. 1960), Hindi (Jaipur; f. 1961), Sanskrit (Jaipur; f. 1961), Statistics (Jaipur; f. 1961), Sociology (Jaipur; f. 1961), English (Jaipur; f. 1961), Political Science (Jaipur; 1961), Public Administration (Jaipur; f. 1965), Adult Education (Jaipur; f. 1965).

UNIVERSITY COLLEGES:

Commerce College: Jaipur; f. 1956.

Maharaja's College: Jaipur; f. 1813.

Maharani's College: Jaipur; f. 1944.

Rajasthan College: Jaipur; f. 1962.

AFFILIATED COLLEGES:

Agarwal College: Jaipur; f. 1944.

Banasthali Vidyapeeth: Banasthali: f. 1935.

Banasthali Vidyapeeth College of Education: Banasthali; f. 1962.

Banguar College: Didwana; f. 1935.

Basic Teacher's Training College: Sardarshahr; f. 1953.

Bhagwan Das Todi College: Lachhmangarh; f. 1965.

Bharat Sewak Samaj Evening College: Jaipur; f. 1963.

B.J.S.R. Jain Inter. College: Bikaner; f. 1957.

B.S.S. Evening College: Sri Ganganagar; f. 1965.

Chirawa College: Chirawa; f. 1958.

Choudhary Baloo Ram Godhra Government Girls' College Sriganganagar; f. 1960.

College of Nursing: Jaipur; f. 1963.

Dayanand College: Ajmer; f. 1888.

Dungar College: Bikaner; f. 1885.

Government College: Ajmer; f. 1868.

Government College (Teachers' Training): Ajmer; f. 1957.

Government College: Banswara; f. 1950

Government College: Basmer; f. 1965.

Government College: Bhilwara; f. 1951.

Government College: Bundi; f. 1959.

Government College: Chittorgarh; f. 1962.

Government College: Dausa; f. 1960.

Government College: Dholpur; f. 1961.

Government College: Dungarpur; f. 1961.

Government College: Jhalawar; f. 1946.

Government College: Kaurali; f. 1960.

Government College: Kishangarh; f. **1959.**

Government College: Kotah; f. 1924.

Government College: Kotputli; f. 1962.

Government College: Nathdwara; f. 1962.

Government College: Pali; f. 1961.

Government College: Sardarshahr; f. 1959.

Government College: Shahpura (Bhilwara); f. 1965.

Government College: Sirohi; f. 1957.

Government College: Sriganganagar; f. 1957.

Government College: Tonk; f. 1952.

Government Girls' College: Sri Ganganagar; f. 1958.

Government Teachers' Training College: Bikaner; f. 1946.

G.V. College of Agriculture: Sangaria; f. 1962.

Jahawar Lal Nehru Teachers' Training College: Lota; f. 1965.

J.D.B. Girls' College: Kota; f. 1958.

Jia Lal Institute of Education: Ajmer; f. 1963.

Kanoria Mahila Maha Vidyalaya: Jaipur; f. 1965.

Lohia College: Churu; f. 1945.

Malviya Regional Engineering College: Jaipur; f. 1964.

M.S. College for Women: Bikaner; f. 1946.

M.S.J. College: Bharatpur; f. 1941.

Nehru Teachers' Training College: Sangaria; f. 1965.

Raj Rishi College: Alwar; f. 1930.

Regional College of Education: Ajmer; 1963.

R.N.T. Medical College: Udaipur.

Sardar Patel Medical College: Bikaner; f. 1959.

Savitri Girls' College: Ajmer; f. 1961.

S.D. Government College: Beawar; f. 1929.

Seth G.L.B.S.D. College: Sriganganagar, f. 1957

Seth R.N. Ruia College: Ramgarh; f.; 1944.

Seth G.N. Khaisa College: Sri Ganganagar; f. 1959.

Seth G.R. Chamaria College: Fatehpur! f. 1925.

Seth G. B. Podar College: Nawalgarh; f. 1942.

Seth Motilal College: Jhunjhunu; f. 1958.

S.G.D. Government Girls' College: Alwar; f. 1965.

Sharda Sadan College: Mukundgarh; f. 1924.

Shri Jain College: Bikaner; f. 1945.

Shri Kalyan College: Sikar; f. 1958.

S.M.S. Medical College: Jaipur; f. 1947.

Sophia Girls' College: Ajmer; f. 1959.

S.P.U. Inter. College: Falna; f. 1951.

S.R.S. Government Degree College: Kaladera; f. 1959.

S.S.G. Pareek College: Jaipur; f. 1945.

S.S.G. Pareek Teachers' Training College: Jaipur; f. 1965.

S.S. Jain Subodh College: Jaipur; f. 1954.

S.S. Jain Subodh Inter. College: Jaipur; f. 1954.

UNIVERSITY OF ROORKEE

ROORKEE, UTTAR PRADESH

Telephone: Roorkee 5.

Founded in 1847 as Thomason College; inaugurated as a university 1949; Residential and Teaching.

Chancellor: THE GOVERNOR OF UTTAR PRADESH.
Vice-Chancellor: G. PANDE, C.E., M.I.E. (INDIA).
Registrar: Shri S. S. SHARMA, M.A.
Librarian: D. GUPTA, DIP.LIB.SC.

The library contains 51,112 volumes.

Number of teachers: 133, including 4 professors.

Number of students: 1,724.

The university maintains the following teaching departments: Civil Engineering (f. 1945), Electrical Engineering (f. 1946), Mechanical Engineering (f. 1946).

SARDAR VALLABHBHAI VIDYAPEETH

VALLABH VIDYANAGAR
GUJARAT STATE

Telephone: 192

Founded 1955; Teaching and Affiliating.

Chancellor: THE GOVERNOR OF GUJARAT.
Vice-Chancellor: Dr. M. D. PATEL, M.SC. (CORNELL), PH.D. (WISC.).
Registrar: D. B. PATEL, M.A.

Number of teachers: 36 postgraduate and 17 S.T.T. College.

Number of students: 339 postgraduate and 162 teacher trainees.

DEANS:

Faculty of Arts: T. G. DEOKULE, M.A.
Faculty of Science: A. R. PATEL, M.SC., PH.D.
Faculty of Technology and Engineering: Prin. S. M. AMIN.
Faculty of Agriculture: Dr. R. M. PATEL, M.SC., PH.D., B.E.
Faculty of Commerce: M. M. SHAH, M.COM., M.SC.

POSTGRADUATE DEPARTMENTS:

PROFESSORS:

AMIN, R. K., M.A., M.SC., Economics
PANT, M. B., M.A., Hindi
PATEL, R. D., M.SC., PH.D., Chemistry

UNIVERSITY OF SAUGAR

SAUGAR, MADHYA PRADESH

Telephone: 5.

Founded 1946: Teaching and Affiliating.

Chancellor: K. N. KATJU, M.A., LL.D., D.LITT.
Pro-Chancellor: Dr. S. D. SHARMA, M.A., LL.M., BAR AT LAW, PH.D.
Vice-Chancellor: G. P. BHUTT, B.SC., LL.B.
Registrar: Prof. I. CHANDRA, M.A.
Librarian: B. L. PATHAK, M.A., M.O.L.

The library contains 83,220 volumes.

Number of teachers: 137, including 12 professors.

Number of students: 12,792 men, 1,084 women, total 13,876.

DEANS:

Faculty of Arts: Prof. M. P. SHARMA, M.A., D.LITT.
Faculty of Science: Prof. D. SHRIVASTARAS, M.SC., PH.D.
Faculty of Law: G. P. BHUTT, B.SC., LL.B.
Faculty of Education: A. MISRA, M.A., B.SC., LL.B., B.T.
Faculty of Engineering: P. C. WADHWANI, B.SC., M.I.MECH.E.

PROFESSORS:

BAGPEYI, N. D., M.A., Hindi
BHATTACHARYA, A. K., D.SC., Chemistry
BHAWALKAR, D. R., M.SC., PH.D., Physics
BHUTT, G. P., B.SC., LL.B., Criminology and Forensic Science
DUBE, S. C., M.A., PH.D., Anthropology
MISRA, M. L., M.A., D.SC., Mathematics
MUZAFFAR, A., M.A., PH.D., Geography
SHARMA, M. P., M.A., D.LITT., Political Science
SHRIVASTAVA, D. S., M.SC., PH.D., Zoology
SWAMINATHAN, S. R., B.A., D.PHIL., English
VARMA, D., M.A., D.LITT., Philology and Linguistics
WEST, W. D., Geology

The university maintains twenty-six teaching departments.

AFFILIATED COLLEGES:

Army Educational Corps College: Pachmarhi.
Principal: A. M. M. DAVID.

Arts and Commerce College: Harda.
Principal: M. P. PITAMAH.

Chhatrasal Degree College: Panna.
Principal: A. C. SHRIVASTAVA.

Damoh Degree College: Damoh.
Principal: M. P. CHATURVEDI.

Dayay Bhai Law College: Panna.
Principal: R. D. MISHRA.

Girls' Degree College: Damoh.

Girls' Degree College: Khandwa.
Principal: D. B. DAVE.

Government Agricultural College: Rewa.
Principal: M. P. SINGH.

Government Degree College: Balaghat.
Principal: R. N. TANDON.

Government Degree College: Satna.
Principal: R. N. SHRIVASTAVA.

Government Degree College: Seoni.
Principal: Dr. S. L. KATARE.

Government Degree College: Sidhi.
Principal: A. H. NIZAMI.

Government Degree College: Tikamgarh.
Principal: Dr. R. VARMA.

Government Engineering College: Rewa.

Government Girls' Degree College: Rewa.
Principal: Dr. R. CHOUDHARY, PH.D.

Government Mining Polytechnic: Shahdol.
Principal: V. M. GUPTA.

Government Polytechnic: Nowgang.
Principal: D. R. SUBRAHANIYAN.

Government Post-graduate Basic Training College: Khandwa.
Principal: K. R. NAIDU.

Government Post-graduate Basic Training College: Rewa.
Principal: G. Y. TANKHIWALE.

Government Post-graduate Basic Training College: Sagar.
Principal: C. P. VARMA.

Government Sanskrit Degree College: Rewa.
Principal: R. D. LADDU.

Home Science College: Hoshangabad.
Principal: P. TITMUS.

Jai Hind Adarsh Mahavidyalaya: Piparia.
Principal: R. S. BAIS.

Janpad Mahavidyalaya: Parasia.
Principal: R. L. YADAVA.

J. H. Government Degree College: Betul.
Principal: Dr. R. PRAKASH.

L. P. Sanskrit Degree College: Dhana.
Principal: C. B. PANDE, M.A.

Law College: Satna.
Principal: V. S. MISHRA.

Law College: Shahdol.
Principal: B. L. SARAF.

Law College: Tikamgarh.
Principal: R. K. MISHRA.

Maharaja College: Chhatapur.
Principal: Dr. H. R. MISHRA.

Mahatma Gandhi Memorial College: Itarsi.
Principal: V. K. SINGH.

Medical College: Rewa.
Principal: Dr. R. P. SINGH, M.S.

Motilal Nehru Law College: Khandwa.
Principal: R. K. GUPTA.

Motilal Nehru Mahavidyalaya: Chhindwara.
Principal: P. C. SETHI.

Narmada Mahavidyalaya: Hoshangabad.
Principal: R. L. SHARMA.

Narmada Municipal Mahavidyalaya: Gadarwara.
Principal: Dr. S. D. CHOURISHI.

Narsimhapur Degree College: Narsimhapur.
Principal: B. H. BHURANEY.

Pandit Motilal Nehru Law College: Chhatarpur.
Principal: U. SINGH.

Post-graduate Basic Training College: Chhatarpur.
Principal: G. K. KULKARNI.

Post-graduate College: Shahdol.
Principal: R. M. CHATURVEDI.

Quadaria Girls' College: Burhanpur.
Principal: Mrs. M. D. SWAN.

R. D. Government Degree College: Mandla.
Principal: C. S. RAGHVAN.

Saifee Golden Jubilee Quaderia College of Science: Burhanpur.
Principal: Dr. R. L. NIRULA.

Satpura Mahavidyalaya for Law: Chhindwara.
Principal: K. N. SHARMA.

Seth Parmanand Swaroopchand Arts and Commerce College: Waraseoni.
Principal: D. PARIWAL.

Seva Sadan Mahavidyalaya: Burhanpur.
Principal: G. B. CHOWKSEY.

S. N. Government Post-graduate College: Khandwa.
Principal: A. M. SINHA.

Thakur Ranmat Singh: Rewa.
Principal: N. P. NAFDE.

Vanijya Mahavidyalaya: Satna.
Principal: C. L. SETHI.

SHIVAJI UNIVERSITY

P.B. 203, KOLHAPUR 3,
MAHARASHTRA
Telephone: 730.

Founded 1962; Teaching and Affiliating.

Chancellor: P. V. CHERIAN, M.B., B.S., D.L.O., F.R.F.P.S., F.R.C.S.
Vice-Chancellor: A. G. PAWAR, M.A., PH.D., BAR AT LAW.
Registrar: M. Y. VAIDYA, M.A.
Librarian: L. G. PARAB, M.A., DIP.LIB.
Library of 40,000 volumes.

DEANS:

Faculty of Arts: A. N. UPADHYA, M.A., D.LITT.
Faculty of Social Sciences: (Vacant).
Faculty of Science: R. D. SHINGTE, M.SC., PH.D., D.SC.
Faculty of Commerce: B. S. BHANAGE, M.A.
Faculty of Education: S. R. TAWDE, M.A., DIP.ED.
Faculty of Engineering: V. K. KELKAR, B.E.(MECH).), A.M.I.E.
Faculty of Law: W. D. ADKE, B.A., LL.B.

HEADS OF DEPARTMENTS:

Medicine: G. V. BARVE, M.S.
Agriculture: A. A. MEMON, M.SC.
Chemistry: R. D. SHINGTE, M.SC., PH.D., D.SC.

SHREEMATI NATHIBAI DAMODAR THACKERSEY WOMEN'S UNIVERSITY

1 NATHIBAI THACKERSEY ROAD, QUEEN'S ROAD, FORT, BOMBAY, 1
Telephone: 241879.
Telegraphic Address: Uniwomen.

Founded 1916; Teaching and Affiliating.

Chancellor: Dr. P. V. CHERIAN, Governor of Maharashtra.

Vice-Chancellor: Dr. Mrs. PREMLILA V. THACKERSEY, D.LITT.
Registrar: Mrs. KAMALINI H. BHANSALI, B.A., M.ED.
Librarian: Miss VIDYUT KHANDWALA, B.A., DIP.LIB.
Dean of the Faculty of Arts: Mrs. SHARDA DIVAN, M.A.

Number of teachers: 249.
Number of students: 7,085.

PROFESSORS:

BAL, Mrs. S., Sociology
BETAI, S. G., Gujarati
BHOOTA, Mrs. KAMLA, Child Development and Family Relationship
KHER, Mrs. NIRMALA, Child Development
LAKDAWALA, Miss URMILA, Education
MANIAR, U. M., English
MEHTA, Miss S., Education
MUDAMBI, Mrs. S., Foods and Nutrition
PATHAK, Mrs. H., Gujarati
PHADNIS, Mrs. L., Foods and Nutrition
PHATAK, D. S., Sanskrit
RATHNAM, Miss S. P., Nursing
SARDAR, G. B., Marathi
SIRUR, Miss KUNDA, Child Development and Family Relationship
SOHONI, B. K., Education

CONSTITUENT COLLEGES:

Shreemati Nathibai Damodar Thackersey College for Women: 1 Queen's Road, Bombay; f. 1931.

Shreemati Nathibai Damodar Thackersey College for Women: Karve Road, Erandvana, Poona 4; f. 1916.

Shreemati Nathibai Damodar Thackersey College of Education for Women: Karve Road, Erandavana, Poona 4; f. 1964.

Premkunverbai Vithaldas Damodar Thackersey College of Education for Women: Queen's Road, Bombay 1; f. 1959.

College of Home Science of S.N.D.T. Women's University: 1 Nathibai Thackersey Road, Fort, Bombay 1; f. 1962.

Leelabai Thackersey College of Nursing: Queen's Road, Bombay 1; f. 1964.

Shree Hansraj Pragji Thackersey School of Library Science: 1 Nathibai Thackersey Road, Queen's Road, Bombay 1; f. 1961.

AFFILIATED COLLEGES:

Mahila Mahavidyalaya: Sanstha Vasahat, Pratap Road, Baroda; f. 1923.

Shree Mahila Arts College: Visnager (North Gujarat); f. 1964.

Shri Matunga Gujarati Seva Mandal Women's College: 398 Telang Road, Bombay 19; f. 1958.

SMIT. M.M. Shah Mahila College: Saurendranagar (Saurastra); f. 1962.

S.L.U. College for Women: Behind V.S. General Hospital, Nr. Ellis Bridge, Ahmedabad 6; f. 1920.

SMT. B. M.R. Mahila Mahavidyalaya: Sitaram Potdar Building, Fanaswadi, Bombay 2; f. 1960.

SMT. N. C. Gandhi Mahila College: Shah Sadan, Waghwadi Road, Bhavnagar; f. 1951.

S.P.R. Mahila Mahavidyalaya: Ratan Baug, Kirol Road, Chatkopar, Bombay 77; f. 1960.

Zal Framroz Wadia Women's College: Athwa lines, Surat; f. 1951.

SRI VENKATESWARA UNIVERSITY

TIRUPATI, ANDHRA PRADESH
Telephone: Tirupati 52.

Founded 1954 as Residential and Teaching; Affiliating since 1956.

Chancellor: H.E. THE GOVERNOR OF ANDHRA PRADESH.
Pro-Chancellor: P. V. G. RAJU.
Vice-Chancellor: S. GOVINDARAJULU, M.A., LL.B., B.L.
Registrar: M. R. R. NAIDU, M.A.
Principal: Prof. K. P. RAO, M.A., PH.D.
Asst. Librarian: P. S. PATNAICK, M.A., DIP.LIB.

DEANS:

Faculty of Arts: (Vacant).
Faculty of Science: (Vacant).
Faculty of Commerce: (Vacant).
Faculty of Engineering: Prof. G. RAMAKRISHNAN, B.E., M.SC.
Faculty of Teaching: Dr. S. G. MURTHY, M.A., D.SC., B.ED.
Faculty of Medicine: Dr. C. VENKATRAMAIAH, M.B.B.S., M.SC.
Faculty of Veterinary Science: Dr. P. S. RAJULU, G.M.V.C., B.V.SC., P.G., M.S.
Faculty of Agriculture: (Vacant).
Faculty of Oriental Learning: Prof. P. LAKSHMIKANTHAM, M.A.
Faculty of Fine Arts: Dr. B. G. REDDY, D.LITT.

Number of teachers: 176.
Number of students: 1,129.
Publs. *Annual Report, College Magazine, S.V. University Central Journal, Research Bulletin, etc.*

HEADS OF DEPARTMENTS:

Zoology: Prof. K. P. RAO.
Physics: Prof. J. BHEEMASENACHAR.
Chemistry: Prof. K. NEELAKANTAM.
Botany: Prof. I. M. RAO.
Geology: Prof. M. G. C. NAIDU.
Mathematics: Prof. D. P. BANERJEE.
Philosophy: (Vacant).
Economics: (Vacant).
Psychology: Prof. S. PARTHAXARATHY.
History: Prof. M. R. RAO.
English: Prof. M. V. R. SARMA.
Telugu: Prof. P. LAKSHMIKANTHAM.
Hindi: Prof. V. P. SINGH.
Sanskrit: Dr. E. R. S. SARMA.
Arabic, Persian and Urdu: Prof. S. M. H. NAINAR.

UNIVERSITY COLLEGE OF ENGINEERING

Mechanical Engineering: Prof. G. RAMAKRISHNAN.
Civil Engineering: Prof. B. M. RAO.
Electrical Engineering: (Vacant).

UTKAL UNIVERSITY

CUTTACK, ORISSA
Telephone: Cuttack 193.

Founded 1943: Teaching and Affiliating.

Chancellor: THE GOVERNOR OF ORISSA.
Pro-Chancellor: Dr. P. N. DAS, M.A., D.LITT., M.L.A.
Vice-Chancellor: Lt.-Col. P. K. PARIJA, O.B.E., D.SC., M.A., I.E.S., F.N.I.
Registrar: Shri G. C. RATH, M.A., DIP. IN L.SC.
Librarian: J. MISRA, B.A., DIP. IN L.SC.

The library contains 33,866 volumes.
Number of professors and teachers in the affiliated colleges: 368 men, 21 women, total 389.
Number of students: 12,284 men, 1,412 women, total 13,696.
Publications: *University Calendar, Minutes, Syllabus and Courses,* textbooks.

DEANS:

Faculty of Arts: Dr. A. B. MOHANTI.
Faculty of Science: Dr. R. N. MOHANTY.
Faculty of Medicine: Dr. K. N. MISRA, M.B., D.T.M.
Faculty of Law: H. MOHAPATRA.
Faculty of Education: B. N. RATH, M.A.
Faculty of Commerce: B. C. DAS.
Faculty of Agriculture: Dr. B. N. SAHU.
Faculty of Veterinary Science: G. BISWAL.
Faculty of Engineering: B. PRASAD.

The university has teaching departments of Law (f. 1949) and Foreign Languages (f. 1949).

AFFILIATED COLLEGES:

Bhadrak College: Bhadrak (Balasore); f. 1948.

Christ College: Cuttack; f. 1944.

Fakir Mohan College: Balasore; f. 1944.

Gangadhar Mehar College: Sambalpur; f. 1944.

Government Training College: Angul; f. 1955.

Khallikote College: Berhampore (Ganjam); f. 1878.

Maharaja Purna Chandra College: Baripada (Mayurbhanj).

Narsing Chaudhury College: Jaipur; f. 1946.

Orissa College of Veterinary Science and Animal Husbandry.

Radhanath Training College: Cuttack; f. 1923.

Rajendra College: Bolangir; f. 1944.

Ravenshaw College: Cuttack; f. 1841.

Samanta Chandra Sekhar College: Puri; f. 1944.

Shailabala Women's College: Cuttack; f. 1946.

Sri Krushna Chandra Gajapati College: Parlakimedi.

Sri Ram Chandra Bhanj Medical College: Cuttack.

Stewart Science College: Cuttack; f. 1944.

Utkal Krishi Mahavidyalaya: Bhubaneswar; f. 1954.

Vikram Dev College: Jeypore (Koraput); f. 1947.

VARANASEYA-SANSKRIT VISHWAVIDYALAYA

VARANASI 2, UTTAR PRADESH

Founded 1958; Teaching and Research; Sanskrit University.

Vice-Chancellor: S. N. M. TRIPATHI.
Hon. Treasurer: Dr. R. G. CHANDRA.
Registrar: R. N. MISRA, M.A., L.T.
Director of Research Institute: B. D. UPADHYAY.
Dean of Students' Welfare: B. N. SHUKLA.
Librarian: Dr. S. JHA.

Library of 78,251 volumes, 150,000 MSS.

PROFESSORS AND HEADS OF DEPARTMENTS:

DRAVIDA, P. R. S., Rajashastra and Arthashastra Dept.
KAVIRAJ, G. N., Yoga and Tantra Dept.
MALVIYA, R. K., Sahitya Dept.
MISRA, B. P., Veda Vibhagadhyaksha
MISRA, M., Vyakaran Dept.
SHASTRI, S. N., Ayurvedic Dept.
SHUKLA, B. N., Nyaya-Vaisheshika Dept.
TRIPATHI, A. B., Jyotish Dept.
TRIPATHI, K., Education Dept.
TRIPATHI, R. P., Vyakarana, Agama and Darshan Research Dept.

VIKRAM UNIVERSITY

UJJAIN, MADHYA PRADESH

Telephone: Ujjain 30.

Founded 1957: Teaching and Affiliating.

Chancellor: Shri K. C. REDDY, The Governor of Madhya Pradesh.
Vice-Chancellor: Dr. G. L. DATTA, M.A., PH.D.
Registrar: Shri V. SHANKARAN, M.A.

Number of students: 30,411 men, 5,532 women, total 35,943.

DEANS:

Faculty of Arts: Dr. S. M. SINGH 'SUMAN'.
Faculty of Science: Dr. S. C. CHATTERJEE.
Faculty of Commerce: Dr. S. R. PATHAK.
Faculty of Law: Shri R. S. VIDYARTHI.
Faculty of Agriculture: Shri H. P. DWIVEDI.
Faculty of Medicine: Dr. N. SINGH.
Faculty of Engineering: Shri G. N. MOUDGILL.
Faculty of Education: Shri B. K. JOSHI.

UNIVERSITY TEACHING DEPARTMENTS:

University Schools of Studies in: Ancient Indian History and Culture, Ujjain; Mathematics and Statistics, Ujjain; Physics, Ujjain; Geology, Vigyan Bhawan, Bhopal; Botany, Ujjain; Zoology, Ujjain; Chemistry, Holkar Science College, Indore; Library Science, Ujjain.

The University has 11 Constituent Colleges and 22 Affiliated Colleges.

VISVA-BHARATI

P.O. SANTINIKETAN, DISTRICT OF BIRBHUM, W. BENGAL

Telephone: Bolpur 21 and 22.

Founded 1951 (previously 1921).

Chancellor: (Vacant).
Vice-Chancellor: S. R. DAS, M.A.
Rector: Sm. P. NAIDU, Governor of West Bengal.
Registrar: H. C. BHATTACHARYYA, M.A.
Librarian: B. K. DATTA, M.A., D.PHIL., DIP.LIB.

The library contains 201,400 volumes.
Number of teachers: 141.
Number of students: 511.

HEADS OF DEPARTMENTS

Sanskrit, Pali and Prakrit: P. C. LAHIRI, M.A., PH.D.
Bengali: B. B. BHATTACHARYYA, M.A., D.PHIL.
English and other Modern European Languages: S. K. GHOSH, M.A., D.PHIL.
Chinese: T. YUN-SHAN
Japanese: (Vacant).
Arabic, Persian and Islamic Studies: S. M. ALI, PH.D.
Indo-Tibetan: C. R. LAMA.
Hindi: R. S. TOMAR, M.A., D.PHIL.
Oriya: K. MAHAPATRA, M.A.
History including Geography: A. C. BOSE, M.A.
Ancient Indian History and Culture: S. CHATTERJEE, M.A., PH.D.
Economics and Politics: K. MUKERJI, M.A., D.PHIL.
Philosophy and Religion: K. BHATTACHARYA, M.A., PH.D.
Mathematics: B. B. SEN, D.SC., F.N.I.
Education: D. N. RAY, M.SC., B.T., M.A.
Physics: J. SANYAL, M.SC.
Chemistry: D. N. CHAKRAVARTI, D.SC.
Botany: B. K. KAR, M.SC., PH.D.
Zoology: H. L. SARKAR, M.SC., D.PHIL.
Arts and Crafts: D. K. D. BURMAN.
Classical Music: S. K. B. CHAUDHURI, B.A.
Rabindra Music and Dance: S. GHOSE.

CONSTITUENT COLLEGES:

Cottage Industry Training Section (*Silpa-Sadana*): f. 1952.
Principal: D. RAY, M.A., M.S.

Kala-Bhavana: f. 1919.
Principal: B. BOSE.

Palli Siksha-Sadana: f. 1963.

Rabindra-Bhavana: f. 1962.
Principal: P. C. SEN, M.A.

Sangit-Bhavana: f. 1934.
Principal: V. V. WAZALWAR.

Siksha-Bhavana: f. 1921.
Principal: K. P. BISWAS, M.A., D.PHIL., LL.B.

Vidya-Bhavana: f. 1918.
Principal: B. B. SEN, D.SC., F.N.I.

Vinaya-Bhavana: f. 1948.
Principal: D. N. RAY, M.SC., B.T., M.A.

COLLEGES

Apart from the Colleges which are attached to Universities a number of Institutes in India combine research with teaching. Details of some of these will be found in the section on Research Institutes.

TECHNOLOGICAL COLLEGES:

Indian Institute of Technology, Bombay: Powai, Bombay 76, Maharashtra State; Tel. 581314; f. 1958; assisted by UNESCO; residential.

Director: Brig. S. K. BOSE, B.SC. (ENG.).

Registrar: V. NEHRA, B.A.

Library of 60,000 volumes.

Number of students: 2,000 (400 graduates).

PROFESSORS:

BHAGAVAT, G. K., Electrical Engineering
KATTI, R. K., B.E., M.S., PH.D., Civil Engineering
KAMATH, N. R., B.SC., Chemical Engineering
MHATRE, R. P., B.E., Civil Engineering
MUKHERJI, K. C., PH.D., Electrical Engineering
PANIKAR, J. T., B.SC., Civil Engineering

Indian Institute of Technology, Delhi: New Delhi 16; Tel. 72301; f. 1961 as College of Engineering and Technology; the Institute is being developed with British collaboration.

First degree courses in Civil, Mechanical, Electrical, Chemical Engineering and Textile Technology and postgraduate courses in Physics, Chemistry, Civil and Electrical Engineering, with the probable addition of Mechanical Engineering and Textiles Technology in 1966.

Offers research facilities and registration for Ph.D. in various engineering and science departments. A teachers' training course was instituted in 1965.

Director: Prof. R. N. DOGRA.

Registrar: T. SINGH.

Indian Institute of Technology, Kanpur, U.P.: f. 1960

Departments of Chemistry, Chemical, Civil, Electrical, Mechanical and Metallurgical Engineering, Mathematics and Physics.

Director: P. K. KEKLAR, B.SC., PH.D., M.I.E.E.

Registrar: C. J. BINDRA.

Number of students: 350.

Indian Institute of Technology, Kharagpur: Kharagpur, West Bengal; f. 1951; with the help of the U.S.A.; Departments of Agricultural, Chemical, Civil, Electrical, Mechanical, Metallurgical and Mining Engineering, Architecture, Applied Chemistry, Mathematics, Physics, Marine Engineering and Social Sciences.

Director: S. R. S. GUPTA, PH.D.

Registrar: K. C. CHAKRAVARTY.

Number of students: 2,100.

Indian Institute of Technology, Madras: I.I.T.P.O., Madras 36; f. 1959, with assistance from the Federal German Republic.

Director: Prof. B. SENGUPTO, B.SC. (ENG), M.I.MECH.E., M.I.E.

Registrar: Prof. C. V. SETHUNATHAN, B.SC.

Librarian: Shri. V. S. NAZIR AHMED, B.A., LL.B.

Number of students: 750.

PROFESSORS:

KRISHNAMURTI, R., Humanities
NARAYANAMURTHI, R. G., Engineering
RAMASESHAN, S., Physics
SAMPATH, S., Electrical Engineering
SASTRI, M. V. C., Chemistry
VARGHESE, P. C., Civil Engineering
VENKATA RAO, P., Electrical Engineering

BUSINESS COLLEGES:

Administrative Staff College of India: Bella Vista, Hyderabad; f. 1957; gives training to senior executives from different spheres of administration and fields of activity, both public and private, for higher management; Principal Shri R. L. GUPTA, I.C.S. (retd.).

Indian Institute of Management: "Emerald Bower", 56-A Barrackpore Trunk Road, Calcutta 50; f. 1961; two-year postgraduate programmes in management; eight-months junior executive Development programme for men with two or more years experience in industry or government service; short-term executive development programmes (usually four weeks) on particular problems of management; advanced management programme for senior executives; Bidan Chandra Roy Memorial library 21,000 vols.; Resident Profs.: A. MITRA, I. DAYAL, S. K. GUPTA; also 5 visiting profs.

SCHOOL OF DRAMATIC ART:

National School of Drama and Asian Theatre Institute: Rabindra Bhavan, New Delhi 1; f. 1959; three-year courses for a maximum of 25 students a year; library of 10,000 volumes; Dir. E. ALKAZI; publ. *Journal of the Theatre* (bi-annual).

EDUCATION:

National Institute of Education: New Delhi; f. 1962; to train teaching candidates for M.ED. and PH.D. degrees.

SIKKIM

RESEARCH INSTITUTE

Namgyal Institute of Tibetology: Gangtok; f. 1958; research centre for study of Mahayana (Northern Buddhism); library of Tibetan literature (canonical of all sects and secular) in MSS. and xylographs; museum of icons and art objects; President H.H. Chogyal (Maharaja PALDEN THONDUP NAMGYAL) of Sikkim; Dir. NIRMAL C. SINHA; publs. in Tibetan, Sanskrit and English, including *Bulletin of Tibetology* (3 times a year).

REPUBLIC OF INDONESIA

Population 97,085,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

GENERAL

Madjelis Ilmu Pengetahuan Indonesia (*Council for Sciences of Indonesia*): Medan Merdeka Selatan 11, Djakarta; f. 1956; Pres. Prof. Dr. SARWONO PRAWIROHARDJO; Sec. Prof. M. NASRUN; publs. *Berita M.I.P.I.* (bi-monthly), *Indonesian Abstracts* (quarterly), *Bulletin* (irregular), *Serial Publication* (irregular), *Medan Ilmu Pengetahuan* (quarterly), *National Science Congress Proceedings* (every four years).

AGRICULTURE

Balai Besar Penjelidikan Pertanian (*General Agricultural Research Station*): Dj. Merdeka 99, Bogor; f. 1918; under the Ministry of Agriculture; library of 13,838 vols.; Dir. Ir. SOEHARSONO; publs. several periodicals.

Consists of the following institutes:

Balai Penjelidikan Tehnik Pertanian (*Institute for Agricultural Research*): Djalan Tjimanggu 1, Bogor; f. 1905; approx. 4,000 vols.; Dir. NAZAR NUR.

Balai Penjelidikan Tumbuh 2-an (*Institute for Botanical Research*): Djalan Merdeka 99, Bogor; f. 1905; Dir; R. A. ADISUDARMA.

Balai Penjelidikan Hama Tumbuh 2-an (*Institute for Plant Diseases and Pests*): Djalan Tjimanggu Ketjil 2, Bogor; f. 1912; Dir. SUPARTONO SISWOPRANOTO.

Balai Penjelidikan Tanah (*Institute for Soil Research*): Djalan Perniagaan 42, Bogor; Dir. HARUN AL RASJID JAHJA.

Balai Penjelidikan Padi (*Rice Research Institute*): Djalan Tjimanaggu Ketjil, Bogor; f. 1954; Dir. H. SIREGAR.

Tjabang Makassar (*Makassar Branch*): f. 1947; Dir. J. M. HUTAGALUNG.

Balai Penjelidikan dan Pemakaian Karet (*Institute for Rubber Research and Development*): Djalan Salak 1, Bogor; physical, chemical and technological research on natural rubber, preparation and processing of rubber and development work, including technical service to producers and consumers and training courses; Chair of Managing Board NG TET SOEI; publs. *Communications*, *Karet* (Rubber), *Information Sheets*, *Annual Report*.

Balai Penjelidikan Perusahaan 2 Gula (*Experimental Station of the Sugar Industry*): Djalan Pahlawan 25, Pasuruan; f. 1887; library of 12,000 vols.; Dir. Ir. HAN LIOE HONG.

Balai Pusat Penjelidikan Peternakan (*Central Institute for Animal Husbandry*): Djalan Gunung Gede, Bogor; Dir. M. WARDOJO.

Consists of the following institutes:

Balai Penjelidikan Bahan Dari Ternak & Perindustriannja (*Research Institute of Animal Husbandry*).

Balai Penjelidikan Kimia Peternakan (*Institute of Chemical Investigation*).

Balai Penjelidikan Makanan Ternak (*Research Institute of Animal Nutrition*).

Balai Penjelidikan Ternak Besar (*Research Institute of Livestock Breeding*).

Balai Penjelidikan Ternak Unggas (*Research Institute of Poultry Breeding*).

Balai Penjelidikan Usaha Peternakan Tani (*Research Institute of Mixed Farming*).

Lembaga Pusat Penjakit Hewan (*Central Veterinary Institute, Ministry of Agriculture*): Djalan Tjimanggu Ketjil 1, Bogor; f. 1908; library of approx. 20,000 vols. and periodicals; Dir. R. DJAENUDIN.

Comprises the following institutes:

Lembaga Penjakit Menular Akut (*Institute for Acutely Contagious Diseases*): Dir. R. SOETIKNO.

Lembaga Serologi Penjakit Menular Menahun (*Institute of Serology and Chronologically Contagious Diseases*): Dir. Prof. MOH. ROZA.

Lembaga Sera dan Vaccin (*Sera and Vaccine Laboratory*): Dir. R. M. T. SOEMANEGARA.

Lembaga Virologi (*Virus Laboratory*): Dir. R. KOERJANA.

Lembaga Bakteriologi (*Bacteriological Institute*): Dir. Dr. R. P. OETOJO.

Lembaga Patologi Dan Parasitologi (*Institute of Pathology and Parasitology*): Dir. Dr. R. TANDJUNG ADIWINATA.

Lembaga Mikologi (*Mycological Institute*): Dir. R. M. SOEDONO ASMOKOESOEMO.

Research Institute of the Sumatra Planters' Association (RISPA): P.O. Box No. 104, Medan; f. 1916; Dir. TAN HONG TONG.

ARCHÆOLOGY

Lembaga Purbakala dan Peninggalan Nasional (*National Archæological Institute of Indonesia*): Djalan Kimia 12, Djakarta; Dir. R. SOEKMONO, M.A.; publs. *Laporan Tahunan* (annual), *Prasasti Indonesia* (Inscriptions of Indonesia), *Berita Dinas Purbakala*, *Amerta*.

ASTRONOMY, METEOROLOGY

Astronomical Association of Indonesia: Djalan Lembong 14, Bandung; f. 1920; to promote the advancement of astronomical science; Pres. Prof. H. TH. M. LEEMAN; Dir. Astronomical Observatory Prof. Dr. G. B. VAN ALBADA; Sec. and Treas. H. TH. MULIÉ.

Observatorium Bosscha (*Bosscha Observatory*): Lembang; since 1958 the observatory has been part of the Institute of Technology, Bandung; Dir. Dr. PIK-SIN THE; publs. *Annals of the Bosscha Observatory* (irregular), *Contributions from the Bosscha Observatory* (irregular), *Annual Report of the Bosscha Observatory*.

Lembaga Meteorologi dan Geofisik (*Meteorological and Geophysical Institute*): Djalan Geredja Inggeris 3, Djakarta; Dir. Ir. SOEROTO MANGOENSOEMARTO; publs. various papers.

CULTURAL RESEARCH, SOCIOLOGY, POLITICS

Asian Regional Institute for School Building Research: Bandung; f. 1962 under UNESCO sponsorship; serves Asian Member States of UNESCO for school building research and development.

Balai Pengetahuan Umum Bandung (*Popular Science Society*): Volksuniversiteit, Djalan Merdeka 27, Bandung; f. 1946; to promote the cultural development of Indonesia; Pres. Prof. Dr. L. VAN DER PIJL; Vice-Pres. Prof. Dr. C. O. SCHAEFFER; Sec. F. J. SUYDERHOUD.

Indonesian Institute of World Affairs: c/o University of Indonesia, Djakarta; Chair. Prof. SUPOMO; Sec. Mr. SUDJATMOKO.

Jajasan Kerdja-Sama Kebudajaan (*Foundation for Cultural Co-operation*): Djalan Gadjah Mada 13, Bandung; to promote co-operation and mutual understanding between the countries of Western Europe and Indonesia; Rep. for Indonesia A. KOOLHAAS.

Lembaga Kebudajaan Indonesia (*Institute for Indonesian Culture*): Medan Merdeka Barat 12, Djakarta; f. 1778; Pres. Prof. Dr. P. A. HOESEIN DJAJADININGRAT; Vice-Pres. Prof. Dr. R. PRIJONO WINDUWINOTO; Treas. R. A. KADIR WIDJOJOATMODJO; Moh. AMIR SUTAARGA (Actg. Secretary); publs. *Modjalah untuk Ilmu Bahasa, Ilmu Bumidan Kebudajan Indonesia* (Journal for Indonesian Language, Geography and Culture), Yearbook, and other monographs.

Lembaga Bahasa dan Budaja (*Institute for Linguistics and Cultural Research*): Djalan Diponegoro 72, Djakarta; f. 1948; attached to University of Indonesia; scientific research on the languages and culture of Indonesia; departments of lexicography, social anthropology, epigraphy (Bali), dialect study (Lombok), socio-ethnography (Macassar); library of about 2,000 vols.; Actg. Dir. HOESEIN DJAJADININGRAT.

Lembaga Pers Dan Pendapat Umum (*Press and Public Opinion Institute, Ministry of Information*): Pegangsaan Timur 19 B, Djakarta; f. 1953; audience research of press, film and radio; library of approx. 4,500 vols.; Dir. Dr. MARBANGUN.

U.S. Information Centers: Djalan Segara No. 7c, Djakarta; also at Jogjakarta, Medan, Surabaja, Makassar.

ENGINEERING

Jajasan Dana Normalisasi Indonesia (*Indonesian Standards Institution*): Djl. Braga 38, (Atas) Bandung.

Lembaga Ukur (*Research Institute of Measurements*): Djalan Pasteur 6, Bandung; Dir. A. N. DOM.

Panitia Induk Untuk Meter Dan Kilogram (*Institute of Standards*): Djalan Pasteur 6, Bandung; Sec. A. N. DOM.

Persatuan Insinjur Indonesia (*Indonesian Society of Engineers*): Taman Djatibaru 1, Djakarta; Chair. Ir. R. H. DJUANDA; Sec. Ir. R. S. DANUNAGORO.

FORESTRY

Chemical Technology of Forest Products Research Institute: Divisions of Chemical Wood Technology, Forest Products other than Wood, Pulp Paper and Board; Dir. M. TJAHRO NOERKAMAL.

Forest Labour and Equipment Research Institute: Divisions of Forest Labour, Forest Tools and Machinery, Economics of Forest Operations, Forest Exploitation; Dir. SANJOTO.

Forest Products Research Institute: Divisions of Wood Anatomy, Wood Mechanics and Constructions, Improvement of Wood, Plywood, Forest Products other than Wood; Dir. R. NIZAR KAMIL.

Forest Research Institute: Divisions of Forest Botany, Silvics, Experimental Plantations, Silviculture, Forest Mensuration and Valuation, Forest Pests and Diseases, Forest Influences; Dir. R. SOEDIARTO WARSOPRANOTO, M.SC.

GEOGRAPHY, GEOLOGY, HYDROLOGY

Balai Fotogrametri (*Institute of Photogrammetry, Ministry of Defence*): Djalan Gunung Sahari 90, Djakarta; f. 1937; research on problems relative to photogrammetry, aerotriangulization, topographical maps, etc.; library of approx. 1,500 books and periodicals; Head, Major R. E. BEAUPAIN.

Balai Geodesi Direktorat Topografi Angkatan Darat (*Geodetical Institute, Directorate of Topography, Ministry of Defence*): Djalan Bangka 2, Bandung; f. 1855; approx. 2,000 vols.; 2,500 periodicals; Dir. J. SOENARJO.

Balai Hidrologi dan Hidrometri (*Institute for Hydrology and Hydrometry, Ministry of Public Works*); Djalan Tjiandjur 4, Bandung; f. 1946; Dir. Ir. W. S. SRIMOERNI DAELHOMID.

Dinas Geografi Direktorat Topografi A.D. (*Geographical Institute*): Djalan Dr. Wahidin 1/11, Djakarta; Dir. Lt.-Col. AZWAR HAMID.

Direktorat Geologi (*Geological Survey of Indonesia*): Djalan Diponegoro 57, Bandung; f. 1850; Dir. JOHANNES; publs. *Publikasi Keilmuan* (Geological and Palaeontological Papers), *Publikasi Teknik* (Technical Papers), *Volkanologi Berita Berkala* (Vulcanology Bulletin), *Bulletin of the Geological Survey of Indonesia*, Maps, Reports and Special Publications.

Direktorat Meteorologi dan Geofisik (*Meteorological and Geophysical Service*): Djalan Geredja Inggris 3, Djakarta; Dir. M. SUKANTO; publs. various papers.

Djawatan Hidrografi Angkaton Laut (*Naval Hydrographic Service*): Djalan Banda 6, Tadjung Priok, Djakarta; f. 1947; hydrographical survey of Indonesia; Dir. TARDANA SURAHARDJA (hydrographer).

Lembaga Masalah Hidrolika (*Institute of Hydraulics*): Djalan Ganeça 10, Bandung; Dir. Ir. Nj. W. S. SRIMOERNI DOELHOMID.

INDUSTRIAL TECHNOLOGY

Balai Penjelidikan Bahan-Bahan (*Materials Testing Institute*): Djalan Ganeca 10, Bandung; f. 1912; library; Dir. SUMANTRI.

Balai Penjelidikan Batik (*Batik Research Institute, Ministry of Industry*): 2 Kusumanogara, Jogjakarta; Dir. SUPARMAN HADISUMARTO.

Balai Penjelidikan Industri (*Industrial Development Institute*): Djalan Karanganjar 55, Djakarta; Dir. A. PAMUNTJAK.

Balai Penjelidikan Keramik (*Institute for Ceramic Research, Ministry of Industry*): Djalan Raya Timur 322, Bandung; f. 1920; Dir. R. SUPAR TIRTARANA.

Balai Penjelidikan Kulit (*Leather Research Institute, Ministry of Industry*): Tugu Kulon 101, Jogjakarta; f. 1931, Dir. R. A. PARTUSTI SUDIBJO.

Balai Penjelidikan Tekstil (*Institute for Textile Research*): Djalan Raya Timur 318, Bandung; f. 1922; Dir. Ir. SOCGITO.

Lembaga Penjelidikan Masalah Bangunan 2 (*Regional Housing Centre*): Djalan Tamansari 124, Bandung; f. 1955; library of 5,514 vols.; Dir. Ir. C. LIM KHAISHA.

Lembaga Penjelidikan dan Pertjobaan Materiil Angkatan Darat (*Military Laboratory for Research and Testing Material, Ministry of Defence*): Djalan Ternate 6-8, Bandung; f. 1865; library of 1,500 vols.; Dir. Lt.-Col. R. MASJHOER.

Nuclear Research Centre: Bandung; f. 1964; houses an atomic reactor.

LAW, ADMINISTRATION

Lembaga Administrasi Negara (*National Institute of Public Administration*): Djalan Segara 10, Djakarta; Dir. PRAJUDI ATMOSUDIRJO; library 1,000 vols.

Lembaga Kriminologi (*Institute of Criminology*): Faculty of Law and Social Sciences, University of Indonesia, Dj. Salemba 4, Djakarta; Dir. Prof. SOEBEKTI.

Lembaga Penjelidikan Hukum (*Institute for Law Research*): Faculty of Law and Social Sciences, Hasanuddin University, Makassar; library 15,000 vols. and 2,000 periodicals.

MEDICINE, PUBLIC HEALTH

Central Institute for Leprosy Research: Djalan Kimia 17, Djakarta; f. 1935; Institute includes a clinic and laboratory; Dir. MOH. ARIF.

Ikatan Dokler Indonesia (*Indonesian Medical Association*): Djalan Dr. Sam Ratulangi 29, Djakarta; f. 1950; 1,522 mems.; Pres. Dr. R. PIRNGADI; Sec. Dr. T. KARIMOEDIN; publ. *Madjalah Kedokteran Indonesia* (monthly).

Laboratorium Kesehatan Daerah (*Pathological Laboratory, Ministry of Health*): Djalan Laboratorium 5, Medan; f. 1906; investigation and control of contagious and endemic diseases in Sumatra; approx. 3,000 vols.; Dir. Dr. ISKAK KOIMAN.

Laboratorium Kesehatan Pusat Lembaga Eijkman (*Eijkman Institute*): Djalan Diponegro 69, Djakarta; f. 1888; Head Dr. HENDRO JOEWONO; bacteriological-serological department, chemical department and virus division; publs. Reports, Papers.

Lembaga Farmasi Nasional (*National Institute of Pharmacy, Ministry of Health*): Djl. Pertjetakan Negara 1, Djakarta; f. 1963; special research of Indonesian medicinal plants, controlling of drugs, food and cosmetics; Dir. Dr. POERNOMOSINGGIH.

Lembaga Hygiene Angkatan Darat (*Institute of Military Hygiene of the Indonesian Army*): Djalan Dr. Abdulrachman Saleh 20, Djakarta; f. 1936; Dir. Dr. R. AZIL WIDJAJAKUSUMA (bacteriologist).

Lembaga Kesehatan Teknik (*Institute for Technical Hygiene: Department of Public Health*): Djalan Ganeça 10, Bandung; f. 1920; Dir. Ir. TAN TJENG GIOK.

Lembaga Makanan Rakjat (*Nutrition Institute*): Djalan Diponegoro 69, Djakarta; f. 1937; Dir. Dradjat D. PRAWIRA-NEGARA.

Lembaga Malaria (*Malaria Institute, Ministry of Health*): Djalan Kwini No. 7, Djakarta; f. 1920; Dir. Dr. H. T. SOEPARMO.

Lembaga Penjelidikan Teknologi Makanan (*Food Technology Research Institute*): Pasarminggu, Djakarta; re-organised 1961; library 2,000 vols.; Dir. SUNARDJO ATMODIPURWO, Dep. Dir. HARSONO HARDJOHUTOMO.

Perusahaan Negara Bio-Farma (*Pasteur Institute*): Djalan Pasteur 9, Bandung; Dir. Prof. SOEMIATNO.

Pusat Ponjolidikan dan Pemberantqsan Penjakit Kolamin (*Venereal Diseases Research Institute, Ministry of Health*): Djalan Indrapura, Surabaja; f. 1951; Dir. Dr. R. WASITO.

MINERALOGY

Djawatan Pertambangan (*Institute of Mining*): 8 Djalan Gadjah Mada 8, Djakarta; f. 1850; Dir. Ir. SOERODJO RANOEKOESOEMO; Vice-Dir. S. M. SAIR.

NATURAL SCIENCES

Balai Penelitian Kimia (*Institute of Chemical Research*): Djalan Ir. H. Djuanda 9, Bogor; f. 1909; approx. 10,000 books, 12,000 periodicals; Dir. DARDJO SOMAATMADJA.

Lembaga Pusat Penjelidikan Alam (*Central Institute for Nature Research*): Kebun Raya Indonesia, Bogor; f. 1817; Dir. SADIKIN SUMINTAWIKARTA.

Lembaga Biologi Nasional (*National Biological Institute*): Kebun Raya Indonesia, Bogor; f. 1817; Dir. Prof. Dr. Ir. OTTO SOEMARWOTO.

Lembaga Botani Umum 'Treub' (*'Treub' Laboratory*): Kebun Raya, Bogor; f. 1884; research in general botany; Dir. SUTOMO SUROHALDOKO; publ. *Annales Bogorienses*.

Lembaga Penelitian Botani (*Institute for Botanical Research*): Kebun Raya, Bogor; f. 1884; Dir. SUTOMO SUROHALDOKO; publ. *Annales Bogoriensis*.

Herbarium Bogoriense: Djalan Raya 21-22, Bogor; f. 1817; study of the flora of the Malesian Area; Dir. ANWARI DILMY; publ. *Reinwardtia*.

Hortus Botanicus Bogoriensis: Kebun Raya, Bogor; f. 1817; Curator ROESDI EFFENDI NASUTION.

Museum Zoologicum Bogoriense: Djalan Ir. H. Djuanda 3, Bogor; f. 1894; investigation of Indonesian fauna; Actg. Dir. SAMPURNO KADARSAN; publ. *Treubia*.

Lembaga Pengawetan Alam (*Institute for Nature Conservation*): Djalan Pledang 30, Bogor; f. 1937; Dir. I. MADE TAMAN.

Lembaga Penjelidikan Laut (*Institute for Marine Research*): Pasar Ikan, Djakarta Kota; f. 1904; Dir. GATOT RAHARDJO; publ. *Marine Research in Indonesia*.

Perhimpunan Ilmu Alam Indonesia (*Indonesian Society for Natural Science*): Djalan Surapahi 1, Bandung; formerly Koninklijke Natuurkundige Verniging; Chair. Prof. H. TH. M. LEEMAN; Sec. Prof. TH. F. KLOMPE; publ. *Madjalah Ilmu Alam Indonesia* (Indonesian Journal of Natural Science).

Perkumpulan Penggemar Alam di Indonesia (*Society of Natural History in Indonesia*): Herbarium, Bogoriense, Bogor (Botanic Gardens); f. 1911, re-established 1948; Pres.—Mr. HASANUDDIN SAANIN; Sec. Mr. I. MADE TAMAN; c. 800 mems.; publs. *Mededelingenblad van de Natuurhistorische Vereniging in Indonesie* (1948-52), *De Troipsche Natuur, Penggemar Alam* (Vols. 34, etc.).

STATISTICS

Biro Pusat Statistik (*Central Bureau of Statistics*): Djalan Dr. Sutomo 7, Djakarta; f. 1925; library; Dir. SARBINI SUMAWINATA, M.A.

LIBRARIES AND ARCHIVES

Bandung

Perpustakaan Balai Penjelidikan Bahan-Bahan (*Library of Materials Testing Institute*): Djalan Ganeca 10; f. 1912; 3,000 vols.; Librarian Mrs. UNEPUTY COEN.

Perpustakaan Djawatan Geologi (*Library of the Geological Survey*): Djalan Diponegoro 57; 50,000 vols.; Librarian S. KARTOKOESOEMO.

Perpustakaan Universitas Padjadjaran (*Library of Padjadjaran University*): Djalan Dipati Ukur 37; f. 1957; 74,000 vols.; Librarian Dr. TAN FAY TJHONG.

Pusat Perpustakaan Angkatan Darat (*Central Military Library*): Djalan Belitung 6; 36,000 vols. in Central Library, and about 20,000 vols. in departmental, territorial and college and office libraries; Dir. Lt.-Col. R. P. S. TJOKROHATMODJO.

Pusat Perpustakaan Institut Teknologi Bandung (*Central Library, Institute of Technology*): Djalan Ganeça 10; 70,000 vols., periodicals; 500 subscriptions, 13,000 bound vols.; Librarian KIAGUS ANWAR SAMAN.

Bogor

Bibliotheca Bogoriensis (*Central Library for Natural Science*): Djalan Raya 20; f. 1842; 175,000 vols.; Librarian Mrs. P. SAHERTIAN-BAKHOVEN.

Djakarta

Arsip Nasional Republik Indonesia (*National Archives*): Djalan Gadjah Mada 111; f. 1892; Head Dr. R. MOH. ALI.

Central Library of the Department of Information: Medan Merdeka Barat 9; specialises in mass communication social and political subjects, and supplies regional branch offices; press-cutting service from Indonesian newspapers since 1950; temporarily acting as Exchange Centre for government publications and official documents.

Library of Political and Social History: Medan Merdeka Seletan 11; f. 1952; 40,000 vols.; includes the National Bibliographic Centre (*Kantor Bibliografi Nasional*) deposit library; Librarian Miss RUSINA PAMUNTJAK, M.A.; publs. *Berita Bulanan* (Monthly Bulletin), *Regional Bibliography of Social Sciences, Publications—Indonesia, Checklist of Serials in the Libraries of Indonesia*.

Perpustakaan Biro Pusat Statistik (*Library of Central Bureau of Statistics*): Djalan Dr. Sutomo 7; 85,000 vols.; Librarian J. MALIK.

Perpustakaan Fakultet Hukum (*Library of the Faculty of Law*): Universitet Indonesia, Salemba 4; 20,000 vols.; Librarian Drs. A. J. BLOEMEN.

Perpustakaan Fakultas Sastra (*Library of Faculty of Arts*): Universitas Indonesia, P.O. Box 247, Rawamangun, Djakarta; 24,000 vols.

Perpustakaan Kementerian Perekonomian (*Library of the Ministry of Economic Affairs*): Djalan Gadjah Mada 1; Librarian J. M. SPIER.

Perpustakaan Laboratorium Kesehatan Pusat Lembaga Eijkman (*Library of the Eijkman Institute*): Djalan Diponegoro 69; 25,000 vols., periodicals, etc.; Librarian W. RAPPA.

Perpustakaan Museum Pusat, Djawatan Kebudajaan (*Library of the Central Museum, Cultural Service*): Medan Merdeka Barat 12; f. 1778; 250,000 vols., 500 MSS.; Librarian: (Vacant).

Tman Batjaan dan Perpustakaan Umum (*Public Library, Djakarta*): Dj. Budi Kemuliaan 3; 42,300 vols.; Librarian Miss A. J. MOERKERCKEN VAN DER MEULEN; this library has seven branches.

Jogjakarta

Perpustakaan Islam (*Islamic Library*): Tugu Kidul 38; f. 1942; is under the Ministry of Religion; 29,000 vols.; MSS. and periodicals; Chief Librarian Prof. H. FARID MA'RUF; Sec., Foreign Relations Dept. A. R. MACHDOEM.

Perpustakaan Jajasan Hatta (*Hatta Foundation Library*): Malioboro 85; 43,000 vols.; Librarian R. PATAH.

Perpustakaan Negara (*State Library*): Malioboro 175; f. 1949; 70,000 vols.; Librarian DJAJOESMAN.

MUSEUMS

Museum Lembaga Kebudajaan Indonesia (*Museum of the Institute for Indonesian Culture*): Medan Merdeka Barat 12, Djakarta; f. 1778; Curators and Assistants ABU RIDHO (Department of Archæology and Ceramics), M. SUMARJO (Department of Ethnography), R. P. SUJONO (Department of Prehistory), Dr. R. B. SLAMET MULJONO (MSS. collection); Miss TJOA LIAN KHENG NIO (Librarian).

Museum Zoologicum Bogoriense: Djalan Perniagaan 38; f. 1894; Dir. SAMPURNO KADARSAN; publ. *Treubia* (25 vols., and 7 supplements have appeared since 1919).

Pusat Pendidikan Umum Untuk Kebudajaan (*Cultural Centre for Public Instruction*): Djalan Pemuda 3, Surabaja; f. 1933; educational exhibitions; courses in scientific subjects; library of 3,000 vols.; Man. G. H. VON FABER; publ. *Gong* (monthly).

STATE UNIVERSITIES

UNIVERSITAS AIRLANGGA
(Airlangga University)
SURABAJA, JAVA

Founded 1954.

The University comprises a Teachers' Higher Training College in Malang; three Faculties in Surabaja: the Faculty of Medicine, the Faculty of Dental Surgery and the Faculty of Law; the Faculty of Letters in Denpasar (on the Island of Bali); other Faculties are to be established.

President: Prof. Dr. M. TOHA.
Secretary: Drs. I. SUMARSONO.

DEANS:

Faculty of Medicine: M. ZAMAN.
Faculty of Dentistry: R. SOENARJO.
Faculty of Law: A. G. PRINGGODIGDO.
Faculty of Economics: M. T. D. TIRTODININGRAT.
Faculty of Mathematics and Natural Sciences: M. TOHA (acting).

UNIVERSITAS ANDALAS
(Andalas University)
DJALAN IMAM BONDJOL 156, PADANG, WEST SUMATRA

Telephone: 520.

Founded 1956.

Rector: Prof. Dr. A. ROESMA.
Registrar: A. MUNZIL, LL.M.
Librarian: M. D. H. SULAIMAN.

Number of teachers: 265.
Number of students: 3,924.

DEANS:

Faculty of Law and Social Sciences: S. H. AL RASJID.
Faculty of Education and Teachers' Training: R. M. E. AZHARI (acting).
Faculty of Agriculture: Eng. S. HADIKUMORO (acting).
Faculty of Medicine: Prof. R. S. SASTRAWINATA.
Faculty of Mathematics and Natural Sciences: Eng. S. HADIKUMORO (acting).
Faculty of Economics: Dr. B. RASJID (acting).

PROFESSORS:

AL RASJID, S. H., Criminal Law
ROESMA, A., Chemistry
SOELEIMAN SASTRAWINTA, R., Gynæcology
TJIANG, L. G., Physiology

BRAWIDJAJA UNIVERSITY
MALANG

UNIVERSITAS DIPONEGORO
DJALAN HAJAM WURUK, SEMIRANG

Founded 1960.

Faculties of Law, Economics, Engineering, Medicine, Education and Agriculture.

UNIVERSITY OF EAST NUSA TENGGARA
KUPANG

UNIVERSITAS GADJAH MADA
(Gadjah Mada University)
BULAKSUMUR, JOGJAKARTA

Telephone: 1212-5.
Telegraphic Address: Ungam, Jogjakarta.

Founded 1949.

Rector: Dr. H. JOHANNES.
Deputy Rector for Academic Affairs: Prof. H. DANUSASTRO.
Deputy Rector for Administrative Affairs: Drs. S. PADMODIPUTRO, M.A.
Deputy Rector for Student Welfare: Drs. S. WACHID.

Number of teachers: 1,344.
Number of students: 16,680.

DEANS:

Faculty of Economics: Drs. B. RIJANTO.
Faculty of Law: A. AFANDI, S.H.
Faculty of Social and Political Sciences: Prof. Drs. I. SOETIKNJO.
Faculty of Psychology: MASRUN, M.A.
Faculty of Arts and Letters: Dra. B. BARIED.
Faculty of Engineering: Ir. WINOTO.
Faculty of Mathematics: S. SOEPONO, M.SC.
Faculty of Agriculture: Ir. S. HADISEPUTRO.
Faculty of Agricultural Technology: Prof. Ir. KAMARJANI.
Faculty of Forestry: Ir. SOEDARWONO.
Faculty of Medicine: Prof. Dr. ISMANGOEN.

Faculty of Biology: Ir. G. TJITROSUPOMO.
Faculty of Pharmacy: Drs. MOH. ANIEF.
Faculty of Dentistry: Drs. M. SOERADJI.
Faculty of Geography: Drs. K. DARMOJUWONO.

PROFESSORS:

BAMBANG SUTARSO
MARSIDI JUDONO
PRANOEO
SARDADI
SARDIJTO
SUTIJPTO PURWOSUPRODJO
RADIOPUTRO
UPOMO
RAHARDJO
ISMANGUN
KLUGE
L. G. J. SAMALLO
HERMAN JOHANNES
SARDJONO
SUDOMO
KAWAKAMI
TAKAHAMA
SUHAKSO
MOEGIJONO
JOEHANNES
HARJONO DANUSASTRO
ISO REKSOHADIPRODJO
OTTO SUMARWOTO
BRODJONAGORO
ALI DJOJOADINOTO
GO DHIAM
MERTONEGORO
POERBODININGRAT
SOEMARMAN
SOEMONO
SOEPARDI SOERJOPUTRANTO
SOETERDJO
SOEWANDI NOTOKOESOEMO
WREKSODININGRAT
SOEPARWI
SUDARMAN
KERTINEGORO
WERNER
NEFF
HOATH
BOWERS
HARDJONO
HALIM KHAN
PURTOTJAROKO
DJOJODIGUNO
BUDUSISETYA
MOELJATNO
NOTOSOESANTO
SOE-BEKTI
SOEHARDI
SOEKARDONO
NOTONEGORO

UNIVERSITAS HASANUDDIN
(Hasanuddin University)

DJALAN MESDJID RAYA, MAKASSAR

Telephone: 2421.
Telegraphic Address: UNHAS.

Founded 1949.

President: A. MONONUTU.

Number of teachers: 123, including 25 professors.
Number of students: 1,800.

DEANS:

Faculty of Law and Social Science: Prof. Mr. St. M. SJAH.
Faculty of Economics: Drs. A. HAFID.
Faculty of Education: (Vacant).
Faculty of Medicine: Dr. MA' ROEF.
Faculty of Engineering: A. MONONUTU, Ir. PONGREKUN.
Faculty of Letters: Prof. Dr. Ph. O. L. TOBING.

UNIVERSITET INDONESIA
(University of Indonesia)

DJAN SALEMBA 4, DJAKARTA, JAVA

Telephone: Djatinegara 930.

Founded 1950.

President: Prof. Dr. S. THAJEB.
Secretary: S. DJOJONINGRAT.

Number of students: 14,521.

The main part of the University is at Djakarta. There are other Faculties at Bandung and Bogor.

DEANS:

Djakarta

Faculty of Medicine: Dr. M. SOEKARJO.
Faculty of Law and Social Sciences: S. HADINOTO.
Faculty of Letters: Dr. T. T. SIEM.
Faculty of Economics: Dr. DJOKOSUTONO.
Faculty of Psychology: Prof. S. I. SANTOSO.

Bandung

Faculty of Mathematics and Natural Sciences: H. TH. M. LEEMAN, M.SC.
Faculty of Technical Science: Prof. SOETEDJO.

Bogor

Faculty of Veterinary Science: f. 1947; Prof. R. S. FUESPONEGORO.
Faculty of Agricultural Sciences: Prof. Ir. SOEBIARTO.

UNIVERSITAS LAMBUNG MANGKURAT

BANDJARMASIN, KALIMANTAN

Founded 1960.

Faculties of Law, Economics, Agriculture, Education and Political Science.

UNIVERSITY OF MALUKU

AMBON

MULAWARMAN UNIVERSITY

SAMARINDA

UNIVERSITAS NEGERI PADJADJARAN
(Padjadjaran State University)

DJALAN DIPATI UKUR, 37, BANDUNG, JAVA

Telephone: 8241/4.

Founded 1957.

Rector: MOH. S. HARDJADINATA.
Secretary: Dr. MOH. MANSJOER.

Library of 90,000 volumes.
Number of teachers: 380 full-time, 463 part-time.
Number of students: 10,840, including 3,146 women.

Publications: *Padjadjaran* (quarterly), *Lembaran Sumbangsih* (Journal of the Faculty of Education).

DEANS:

Faculty of Law: Prof. U. RANAWIDJAJA.
Faculty of Social and Political Sciences: D. SINGADILAGA.
Faculty of Economics: J. WIRASASMITA.
Faculty of Medicine: Dr. M. SADIKIN.
Faculty of Dentistry: Dr. SULARKO.
Faculty of Literature: Prof. HARSOJO.
Faculty of Agriculture: Prof. Dr. Ir. G. SATARI.
Faculty of Animal Husbandry: Prof. Dr. D. ATMADILAGA.
Faculty of Psychology: D. MAR'AT.
Faculty of Natural Sciences: Prof. Dr. D. ATMADILAGA.

ATTACHED COLLEGES AND INSTITUTES:

Faculty of Political Science: Tasikmalaja, Priangan Timur, West Java; Dean Prof. Dr. K. WIDJAJAAMIARSA.

Faculty of Publicity and Journalism: Djalan Dipati Ukur 37, Bandung, Java; Dir. Maj.-Gen. Prof. Dr. R. MOESTOPO.

Institute of Education Research: Djalan Dr. Seryabudhi, Km. 8, Bandung; Dir. Dr. W. A. GERUNGAN.

Institute of Social Research: Dir. USEP RANAWIDJAJA, S.H.

Institute for Research into Teaching Methods: Dir. R. A. SANTOSO, M.SC.(ED.).

Institute for Curriculum Planning: Dir. S. NASUTION, M.A.

Institute for Science Teaching: Dir. Dr. L. T. LIEM.

Institute of Natural Sciences (Faculty of Science): Dir. Prof. Dr. R. MOESTOPO.

UNIVERSITY OF NORTH AND CENTRAL SULAWESI

MENADO

PANTJASILA UNIVERSITY

DJAKARTA

Rector Mrs. SUBANDRIO.

UNIVERSITY OF RIAU

PAKANBARU

SJIAH KUALA UNIVERSITY

KOTARADJA, ATJEH, S.U.

Founded 1961.

Faculties of Economics, Law, Veterinary Medicine and Education.

UNIVERSITAS SRIWIDJAJA

DJALAN BUKIT BESAR, PALEMBANG

Founded 1960.

Rector: M. ISA.

Number of teachers: 50 full-time 230 part-time.
Number of students: 2,300.

Faculties of Economics, Law, Engineering, Education and Medicine.

UNIVERSITET SUMATERA UTARA
(University of North Sumatra)
DJALAN UNIVERSITAS 22, MEDAN

Founded 1952.

Rector: Prof. A. SOFIAN.

Number of teachers: 153.
Number of students: 3,659.

DEANS:

Faculty of Medicine: Prof. Dr. SOEROSO.
Faculty of Education: Prof. N. A ABAS MANOPPO.
Faculty of Law: Prof. T. DZULKARNAIN.
Faculty of Technology (Engineering): Ir. T. HARAHAP.
Faculty of Agriculture: Prof. A. SOFIAN.
Faculty of Economy: Dr. T. ISKANDAR.

INSTITUT TEKNOLOGI BANDUNG
(Bandung Technological Institute)
DJALAN GANECA 10, BANDUNG, JAVA

Founded 1959.

Rector: Ir. U. BRATAKUSUMAH.
Vice-Rector for Administrative Affairs: Prof. Dr. J. A. KATILI.
Vice-Rector for Students: Prof. S. SOEMARDJA.

Number of teachers: 500 (incl. full professors).
Number of students: 5,500.

DEANS OF SCHOOLS:

Chemistry and Biology: Prof. Dr. D. A. T. AMIDJAJA.
Mathematics and Physics: Prof. R. GOENARSO.
Civil Engineering: Prof. S. WONGSOTJITRO.
Mineral Technology: Prof. J. A. KATILI.
Electrotechnical Engineering and Mechanical Engineering: Prof. T. M. SOELAIMAN.
Planning and Fine Arts: Prof. S. SOEMARDJA.
Physical Engineering and Chemical Engineering: Prof. R. M. SOEMANTRI.

HEADS OF DEPARTMENTS:

Architecture: S. WIRJOATMODJO.
Astronomy: Prof. The PIK SIN.
Biology: S. SUDARWATI.
Chemical Engineering: SOEDARNO.
Chemistry Dr. A. AMIRUDDIN.
Civil Engineering: R. GAPAR.
Electrotechnical Engineering: SAMAUN.
Fine Arts: A. SADALI.
Geodesy: T. Q. D. LIEN.
Geology: S. ASIKIN.
Mathematics: Dr. SOENARDI.
Mechanical Engineering: Ir. O. DIRAN.
Meteorology and Geophysics: Prof. R. GOENARSE.
Mining: H. MARTOSOBROTO.
Petroleum Engineering: Ir. GRUFFON.
Pharmacy: Prof. D. WIRADIKARTA.
Physical Engineering: Prof. G. P. OEN.
Physics: Prof. O. P. HOK.
Sanitary Engineering: Prof. SOETEDJO.
Town and Regional Planning: W. J. WAWOROENTOE.

UNIVERSITAS TJENDERAWASIH
P.O. BOX 120, ABE-SUKARNAPURA, IRIAN BARAT
Telephone: Abe—151

Founded 1962.

President: Prof. S. PURBAKAWATJA.
Vice-Presidents: S. HAMIDJOJO, LL.M. SAMETKO, M.A., A.M.
Administrative Secretary: MAGFUR SASTRAKUSUMA, B.SC.(ECON.).
Librarian: ZULKIFLI NURAZWAR.

Library of 16,000 vols.
Number of teachers: 71 (26 full-time).
Number of students: 266.
Publication: *Madjalah Universitas Tjenderawasih.*

DEANS:

Faculty of Education: SAMETKO, M.A., A.M.
Faculty of Law and Administration: S. HAMIDJOJO, LL.M.
Faculty of Agriculture, Animal Husbandry and Forestry: SIKISMO, M.SC.
Institute of Anthropology: Prof. KUNTJARANINGRAT, PH.D. (Director).

UDAYANA UNIVERSITY
DENPASAR, BALI

Founded 1962.

Secretary of the University: Drs. I. W. RENDHA.

DEANS:

Faculty of Literature: Prof. Dr. IDA B. MANTRA.
Faculty of Medicine: Dr. I. G. NGURAH.
Faculty of Law: P. SASTROATMODJO.
Faculty of Veterinary Science and Cattle Breeding: Drs. S. G. N. D. DARMADJA.

UNIVERSITY OF WEST TENGGARA
MATARAM

PRIVATE UNIVERSITIES

PERGURUAN TINGGI 17 AUGUSTUS 1945
(17 August 1945 University)
DJALAN TEUKU TJHIK DITIRO 46, 4th FLOOR, DJAKARTA, JAVA
Telephone: Menteng 157.

Founded 1952.

President: Prof. Dr. R. ABDULRACHMAN.
Secretary: Prof. A. SJARIF.

DEANS:

Faculty of Political and Social Sciences, Djakarta: Dr. S. SUDIBYO.
Faculty of Public Administration, Makassar: T. K. TJIANG.
Faculty of Law and Social Sciences, Surakarta: M. SOEWIGNJO.
Academy of Public Administration, Djakarta: Prof. Dr. P. ATMOSUDIRDJO.
Academy of Agriculture, Surakarta: Ir. NOERJONO.
Academy of Public and Business Administration, Surabaja: Drs. S. SETYODARMODJO.

PERGURUAN TINGII KRISTEN INDONESIA
(Christian University of Indonesia)
SALEMBA 10, DJAKARTA

Founded 1946.

President: Dr. I. P. SIMANDJUNTAK.

Number of students: 361.

UNIVERSITAS BOGOR
DJALAN BIOSKOP 31, BOGOR
Telephone: Bot 505.

Founded 1958.

Rector: R. TADIWINATA.
Secretary: R. H. NATANEGARA.

Number of teachers: 4 full-time, 60 part-time.
Number of students: 350.

UNIVERSITAS ISLAM INDONESIA
(Islamic University of Indonesia)
DJALAN TJIK DI TIRO (TERBAN TAMAN) No. 1, JOGJAKARTA, JAVA
Telephone: 1344.

Founded 1945.

An independent and private university with branches in Surakarta, Purwokerto, Manado, Gorontalo and extension faculties in Klaten; Government subsidised.

Rector: Prof. Dr. M. SARDJITO.
Vice-Rector, Scientific Affairs: Prof. R. MOEKJATNO.
Vice-Rector, Students' Affairs: Prof. T. M. H. A. SHIDDIEQY.
Vice-Rector, Administrative Affairs: S. WIRATMO.
Secretary and Librarian: M. F. ROZY.

Library of 10,000 vols.
Number of teachers: 246.
Number of students: 5,500.

Jogjakarta (Telephone: 1344)

DEANS:

Faculty of Law: A. K. MUZAKKIR.
Faculty of Social Economics: Drs. T. BASJUNI.
Faculty of Religion: F. R. KAFRAWI.
Faculty of Islamic Education: Drs. R. SOENOTO.
Faculty of Engineering: Ir. R. SOEBONO.

PROFESSORS:

BAHUWINANGUN, R. H. A. K., Civil Law
KERTANEGARA, K. R. T., Economic Theory
MOELJATNO, R., Criminal Law
MUZAKKIR, A. K., Islamic Law
NOTOSUSANTO, R., International Law
PURWOSAPRODJO, R. S., Radiology and Röntgenology
SARDJITO, M., Biology and Bacteriology
SHIDDIEQY, T. M. H. A., Islamic Jurisprudence
SOEGIMAN, R., Soil Conservation and Statistics
WIRATMADJA, H., Business Economics

Surakarta (Telephone: 2443)

Deputy Rector: Dr. R. S. PRAWIROREDJO.

DEANS:

Faculty of Law: R. MOELJATNO.
Faculty of Social Economics: Drs. M. TASLIM.
Faculty of Religion: K. A. DAROKAH.
Faculty of Islamic Education: K. H. I. GHOZALI.
Faculty of Medicine: Dr. R. S. PURWOSAPRODJO.

Purwokerto (Telephone: 179)

Deputy Rector: Prof. R. MOELJATNO.

DEANS:

Faculty of Law: T. SIMENDAWAI.
Faculty of Animal Husbandry: Z. A. SJIS.

Manado (North Celebes)

Deputy Rector: A. AMU.

DEANS:

Faculty of Theology: A. J. PARANSA.
Faculty of Islamic Education: M. ISHAQ.
Faculty of Agriculture (projected): Ir. J. PONILELE.
Faculty of Animal Husbandry (projected): Drs. WARMAN.

Gorontalo (North Celebes)

Co-ordinator: N. WARTABONE.

DEANS:

Faculty of Law: Drs. M. J. NENO.
Faculty of Economics (projected).

Klaten (Central Java)

Extension Faculties: *Co-ordinator:* M. MARZUKI.

ACTING DEANS:

Faculty of Law: S. WIRATMO.
Faculty of Economics: Drs. M. SUHUDI.

UNIVERSITAS ISLAM SUMATERA UTARA
(Islamic University of North Sumatra)

DJALAN SINGAMANGARADJA,
TELADAN, MEDAN, SUMATRA

Founded 1952

President: M. ROEM.
Secretary: H. B. DJAMIL.

Number of students: 1,000.

Faculties of Islamic Theology, Economics, Islamic Literature, Education, Law and Social Science, Indonesian Literature, English Literature.

UNIVERSITAS KAHURIPAN

DJALAN SRUNI 40,
TULUNGAGUNG

Telephone: 180.

Founded 1961.

Rector: M. P. J. PRAJITNO.

Number of teachers: 100 part-time, 45 full-time.
Number of students: 1,000.

UNIVERSITAS KATOLIK PARAHYANGAN

DJALAN MERDEKA 32, BANDUNG

Telephone: 5802.

Founded 1955.

Rector: N. J. C. GEISE.
Secretary: A. A. M. LAPRE.

Number of teachers: 20 part-time, 120 full-time.
Number of students: 3,800.

UNIVERSITAS KRISNADWIPAJANA
(Krisnadwipajana University)

DJALAN TEGAL 10, DJAKARTA

Telephone: Menteng 139.

Founded 1952.

Chancellor: Prof. R. S. KARTANEGARA, LL.M.
Vice-Chancellor: R. I. SUDJAHRI, LL.M.
Rector: Prof. R. SOEBEKTI, LL.M.
Registrar: E. DIMONTI, LL.M.
Librarian: Dr. DASPAN.

Number of teachers: 93.
Number of students: 2,000.

DEANS:

Faculty of Law: Prof. R. SOEBEKTI, LL.M.
Faculty of Economics: Dr. L. T. WEBER.
Faculty of Public and Business Administration: Prof. Dr. R. P. ATMOSUDIRDJO.
Faculty of Theology: Dr. R. WIDODO.

PROFESSORS:

ABDUL HAKIM, S., Customary and International Law
KOENTJORONINGRAT, R., Cultural Anthropology
LIE OEN HOCK, Civil Law
PRAJUDI ATMOSIDIRDJO, R., Administrative Law
SENO ADJI, O., Penal Law
SOEBEKTI, R., Civil Law

UNIVERSITAS NASIONAL
(National University)

KRAMAT RAYA 47,
DJAKARTA, JAVA

Founded 1949.

Formerly the National Academy. The University comprises the Faculties of Social Science, Political Economics, Biology, Science, Indonesian and English Literature and Pharmacy.

President: Prof. SUKIRNA.

UNIVERSITAS SAWERIGADANG
(Sawerigading University)

DJALAN SEMBILAN 24,
MAKASSAR

Founded 1945.

President: N. SJAHADAT.
Secretary: M. DA COSTA.

Faculties of Law, Economics, Commerce, Literature, Engineering, Pharmacy, Agriculture, Education, Public Administration and Journalism.

COLLEGES

Akademi Bahasa Asing (*Academy for Foreign Languages*): Pedjambon 6, Djakarta; f. 1949; government academy, under the Foreign Office; Principal R. M. A. MARTODIPOERO; 8 lecturers; 146 students.

Akademi Pernigaan Indonesia (*Indonesian School of Business Administration*): Djalan Tandjong 32B, Djakarta; private foundation sponsored by the government; 300 students; 10 lecturers.

Institut Teknologi Surabaja (*Surabaja Institute of Technology*): Surabaja; f. 1960; mechanical, chemical, marine, electrical and civil engineering.

Islamic Theological Institute: Jogjakarta; 16 teachers; 130 students.

National Technical Academy: Djalan Budi Utomo 7, Djakarta; civil and mechanical engineering.

Perguruan-Tinggi Djurnalistik (*Graduate School of Journalism*): 2 Taman Suropati, Djakarta; Pres. M. K. W. TAMBUNAM.

Sjakhyakirta Trade Academy: Palembang; f. 1955; 80 students (approx.).

Technological Institute of Shipbuilding and Fisheries Training: Amboina, Moluccas; f. 1961.

IRAN

Population 20,678,000

LEARNED SOCIETIES

British Council, The: 58 Avenue Ferdowsi, P.O. Box 1589, Teheran; Rep. S. C. G. Bach, O.B.E.; also at Isfahan, Meshed, Shiraz and Tabriz.

British Institute of Persian Studies: 238 Avenue Takhte Jamshid, P.O. Box 2617, Teheran; f. 1961; cultural institute, with special emphasis on history and archæology; 318 mems.; Pres. Prof. M. E. L. Mallowan, C.B.E.; Hon. Sec. J. E. F. Gueritz; Dir. in Iran David Stronach, M.A., F.S.A.; publ. *IRAN, Journal of the British Institute of Persian Studies.*

CENTO Institute of Nuclear and Applied Science (CINS): P.O. Box 1828, Teheran; f. 1959; research into the background problems of economic importance to Iran, Pakistan and Turkey. Radioisotope techniques for various investigations in agriculture, chemistry, entomology, hydrology and nuclear physics; Dir. Dr. R. Roberts.

Doctors' Club of Iran: Teheran; Pres. Prof. H. Adle.

Goethe Institut: P.O.B. 1895, Teheran; f. 1964; Dir. Dr. Helmut Ewaldt.

Institut Franco-Iranien: 58 ave. Chahpour Ali Réza, P.O. Box 1570, Teheran; Dir. Lucien Pouëssel.

Institut Teheran: Khiaban, Fischerabad, Kutche Fardis 4, P.O.B. 867, Teheran; Dir. Dr. Bernhard Stillfried.

International Scientific Research Institute: P.O. Box 337, Teheran; Dir. Moussa Hikmat, M.D.; publ. *World Science Review* (quarterly, in Persian, Arabic, English), *Papers.*

Iranian Academy, The (*Farhangistan*): c/o The Ministry of Education, Teheran; f. 1935; Pres. The Minister of Education.

Istituto Italiano di Cultura: Av. Hafez Kutce Hatef 11, Teheran; Dir. Prof. Fernando Caruso.

Office Culturel d'Autriche: Teheran, P.O.B. 876, Ave. General Zahedi 4, rue Fardis; Dir. Dr. Bernhard Stillfried.

State Razi Institute: Hessarak, nr. Karadj; f. 1930; research on bacterial and parasitical diseases of humans and animals; produces its own toxoids, antitoxins, snake venom sera, foot-and-mouth disease, African horse sickness, etc.

Syndicate of Dentists: Teheran; Pres. Dr. M. Sayah.

Syndicate of Pharmacists: Avenue Hafez, Teheran; Pres. Dr. H. Nezami.

LIBRARIES

Abraham Lincoln Library (U.S. Information Service): Ave. Saba, Teheran; f. 1949; 11,000 vols.; Dir. Emmet K. Kinner.

Alborz College Library: Shahreza Ave., Teheran; Dir. H. Hussein Zadeh.

Library of the Archaeological Service: Teheran; f. 1936; 8,000 vols.; Dir. Mme. S. Moghadam; Librarian Mme. F. Mehran.

Astaneh Razavy Library: Meshed; Iran from c 15th century; 40,112 vols.; Dir. Abdolaly Octai.

Library of the Audio-Visual Organisation of the Fine Arts: Ave. Kamal-el-Molk, Teheran; f. 1958; 1,300 vols.; Dir. Simin Najoomi.

Library of the Bank Markazi Iran (*Central Bank of Iran*): Teheran; 36,210 vols.; Librarian: Forough Gowharian.

British Council Library: 38 Avenue Ferdowsi, Teheran; 13,000 vols.; Librarian: Miss C. M. Pollock.

Farhang Library: Isfahan; f. 1943; 7,607 vols.; Dir. Ahmad Jabbary Kermany.

Fars National Library: Ave. Pahlavi, Shiraz; 12,013 vols.; Dir. Ali-Akber Bassiry.

Bibliothèque de l'Institut Franco-Iranien: 53 Ave. Chahpour Ali-Reza, Teheran; 14,500 vols.

Imperial Library: Teheran; special collection of precious MSS; Dir. Dr. Mehdi Bayani.

Library of the Faculty of Law (*Univ. of Teheran*): Ave. Shahreza, Teheran; 17,000 vols.; Dir. M. Saba.

Library of the Faculty of Letters: University of Teheran, Shah Reza Avenue, Teheran; f. 1932; 90,000 vols.; numerous MSS.; Dir. Sayyed Hossein Nasr.

Malek Library: Avenue Boozarjomehri, Bazar-e-Beinolharamein, Teheran; 22,600 vols.; Dir. Ahmad Soheily.

Municipal Library: Isfahan; 29,000 vols.

National Library: Ghavamosaltané Street, Teheran; f. 1937; 70,119 vols.; rare Persian and Arabic MSS.; international book exchange service; Dir. Ebrahim Safa; publ. *National Bibliography.*

Parliament Library: Ketabkhaneh Majles Showraie Melli; Teheran; f. 1924; 55,000 vols.; Dir. Dr. Taghi Tafazzoli.

Library of the Faculty of Science (*Univ. of Teheran*): Shahreza Ave., Teheran; 19,776 vols.; Dir. Dr. Manouchehr Vessel.

Senate Library (*Ketabkaneh Majles Sena*): Teheran; 22,000 vols.; Dir. Dr. Abbas Zaryab.

Tabriz Public Library (*Ketabkhaneh Melli Tabriz*): Ave. Pahlavi, Tabriz; 12,816 vols.; Dir. Majid Farhang.

Tarbiat Library: Ave Atesh Neshani, Tabriz; 12,000 vols.; Dir. Abolhassan Saidy.

University of Isfahan Library: Isfahan; 15,000 vols., mostly Persian and Arabic, some European languages; Persian MSS. and incunabula.

University of Meshed Library: Meshed; 20,000 vols.

University of Tabriz Library: Tabriz; 39,000 vols.

MUSEUMS

All Saviour's Cathedral Museum: Isfahan; under the supervision of the Diocesan Council of the Armenians in Iran and India.

Archæological Museum: Teheran; f. 1936; antiquities from fifth millennium B.C. to nineteenth century A.D.; Dir. (Vacant).

Chehel Sotun Museum: Isfahan; Dir. Karim Nikzad.

Ethnographical Museum (Muzeye Mardomchenassi): Teheran; f. 1938; Dir. Y. Zoka.

Golestan Museum: Golestan; f. 1894; Dir. H. Gh. Bassiri.

Meshed Museum: Meshed; f. 1945; under the supervision of the Sanctuary of Meshed.

Pars Museum: Shiraz; f. 1938; exhibits include manuscripts, earthenware, ancient coins; Dir. Mohammed Hossein Estakhr; Curator Hasrat Zadeh Sorude.

Qum Museum: Qum; f. 1936; under the supervision of the Archæological Service; Dir. M. Fatemi.

UNIVERSITIES

GONDISHAPOUR UNIVERSITY

AHWAZ,
KHOUZESTAN PROVINCE
Telephone: 3608.
Founded 1955.

The University comprises the Medical College and the Agricultural College.

Chancellor: Dr. A. A. AMID.
Vice-Chancellor: N. SHAVRAVAN.
Registrar: M. A. SHAMSAIE.
Librarian: M. YAZDI.

Medical College: Ahwaz; f. 1957.
Dean: Dr. A. A. AMID.

Number of teachers: 6.
Number of students: 298.

PROFESSORS:

Dr. ALLEMANN, Biochemistry
Dr. AMID, Microbiology
Dr. LANGLAIS, Anatomy
Dr. PLATTNER, Physiology

Agricultural College: Ahwaz; f. 1955.
Dean: Eng. RACI.

UNIVERSITY OF ISFAHAN

ISFAHAN
Telephone: Central 21-20, 21-58, 21-89.
Founded 1958.

Rector: Dr. M. RIAHI.

Number of teachers: 92.
Number of students: 1,323.

DEANS:

Faculty of Medicine and Pharmacy: Dr. OWJAND.
Faculty of Letters: Prof. A. FAROUGHY, D.LITT., LL.D.

The Faculty of Letters has 53 teachers and 716 students, with a library of 28,000 vols. and 40 current periodicals.

UNIVERSITY OF MESHED

KYABAN DÂNECHGÂHÉ,
MESHED
Founded 1955.

Secretary: A. OSKOUYAN.

Number of students: 1,100.

DEANS:

Faculty of Medicine: H. SAMIRAD.
Faculty of Letters: A.-A. FAYAZ.
Faculty of Theology: M. ZADEH.

PAHLAVI UNIVERSITY
(University of Shiraz)

SHIRAZ
Telephone: Shiraz 2111.
Telegraphic Address: Shiraz, Daneshgah.
Founded 1948.

Chancellor: Dr. R. CHAFAQUE.
Vice-Chancellor: Dr. W. A. GROVES.
Registrar: H. SADR.
Librarian: Miss P. ETEMADI.

Number of teachers: 120.
Number of students: 1,613.
Publication: *Akhbar Daneshgah Shiraz.*

DEANS:

Faculty of Agriculture: Eng. ZEIN-OL-ABEDIN LASHKARI.
Faculty of Medicine: Dr. Z. GHORBAN.
Faculty of Arts and Science: Dr. T. BASSIRI.

PROFESSORS:

Faculty of Medicine:
BIDEL, N., Ophthalmology
DANA HAERI, K., Pharmacopeutic Treatment
DEHGHAN, A. H., Tropical Diseases
FARAHMANDFAR, A. GH., Oto-Rhino-Laryngology
GHORBAN, Z., Internal Medicine
MEHRA, T., Hygiene
SADRIEH, M., Surgery
SAMIMIAN, M. A., Endocrinology
SEHHAT, A., Internal Medicine
SEIFI, M., Gynæcology
TAFAZZOL, A., Radiology
ZIAI, M., Pædiatrics

Faculty of Agriculture:
PIROZBAKHT, J., Agricultural Economics and Co-operatives

Faculty of Arts and Sciences:
FARZANEH, T., Physics
SURATGAR, L., English and Comparative Literatures
VESSAL, M., Mathematics

UNIVERSITY OF TABRIZ

TABRIZ
Founded 1947.

Rector: Dr. G. A. BAZARGAN.

Number of teachers: 120.
Number of students: 1,482.
The library has 30,000 volumes.

DEANS:

Faculty of Arts: Y. M. NAWABI.
Faculty of Medicine: Dr. DJANCHAHI.
Faculty of Agriculture: Eng. GH. FOTOOHI.
Technical Faculty: Dr. G. A. BAZARGAN.

UNIVERSITY OF TEHERAN
(State University)

AVENUE SHAH-REZA
Telephone: 40021, 40031.
Founded 1935.

Chancellor: J. S. SALEH, M.D., F.I.C.S., LL.D. (HON.).
Vice-Chancellor for Research and Advanced Study: Dr. A. SHAYBANY.
Vice-Chancellor for Academic Affairs and Research: Dr. A. SHEIBANI.
Vice-Chancellor for Business and Financial Affairs: Dr. E. PAD.
General Secretary: Dr. H. FAYAZ.
Director, Department of Publications and Cultural Relations: I. AFSHAR.

Number of professors: 176.
Number of students: 14,269.

DEANS:

Faculty of Arts and Education: Dr. Z. SAFA.
Faculty of Agriculture: Dr. Eng. E. RIAHI.
Faculty of Dentistry: Dr. M. SAYAH.
Faculty of Fine Arts: Arch. H. SAYHOUN.
Faculty of Law: (Vacant).
Faculty of Medicine: Dr. J. SALEH.
Faculty of Pharmacy: Dr. N. SHARGHI.
Faculty of Science: Dr. F. FARSHAD.
Faculty of Technology: Eng. R. GANJEI.
Faculty of Theology: Dr. A. RAFIE.
Faculty of Veterinary Medicine: Dr. E. ARDALAN.

PROFESSORS:

Faculty of Medicine:
AALAM, Prof., Oto-Rhino-Laryngology
ADIB, Dr. M. H., Legal Medicine
ADLE, Dr. Y., Surgery
AHMADI-SAJJADY, Dr. M. H., Anatomo-Pathology
ALAVI, Dr. H., Ophthalmology
AMELY, Dr. N., Neuro-Surgery
ARMIN, Dr. K., Anatomo-Pathology
ASHTIANI, Dr. S., Hygiene
AZAR, Dr. M., Clinical Medicine
AZIZY, Dr. S. P., Clinical Medicine
AZIZY, Dr. Z., Physics
BAMSHAD-ALAVY, Dr., Histology
BASEGHI, Dr. H., Local Anatomy
BASTAN, Dr. N., Clinical Ophthalmology
BEHESHTY, Dr. M., General Diseases
BIJAN, Dr. H.
EGHBAL, Dr. M., Infectious Diseases
ETEMADIAN, Dr. N. M., Odontology and History of Medicine
FAGHIH, Dr. M. A.
FARHAD, Dr. A., Physics
FARZAD, Dr. F., Internal Diseases
GANJBAKHSH, Dr. H., Anatomy
GHAFFARY, Dr. N., Zoology
GHARAGOZLOO, Dr. M. A., Practical Medicine
GHARIB, Dr. M., Pædiatrics
GOLGOLAB, H., Vegetal Biology
GUITY, Dr. N., Experimental Medicine
HAFIZY, Dr. M. A., General Diseases
HAJIAN JAHROMI, Dr. A.
HAKIM, Dr. M., Anatomy
HANJAN, Dr. H., Surgery
HASHEMIAN, Dr. H.
HEKMAT, Dr. H., Anatomy
KAR, Dr. M., Histology
KASSEMY, Dr. N., General Diseases
KATOOZIAN, Dr. A.
KAYHANI, Dr. N., Anatomy
KOSSARY, Dr. H.
MAJIDI AHI, Dr. A., Obstetrics
MALEK, Dr. S., Urology
MALEK, Dr. H. GH., Bacteriology
MALEKI, Dr. A., Clinical Radiology
MALEKI, YAZDI, Dermatology and Venereal Diseases
MANOOCHEHRI-MOTAMEDY, Dr. A., Serology
MANOOCHEHRIAN, Dr. F., Physics
MAZAHER, Dr. M.,
MESGHALI, Dr. A.
MIRDAMADI, Dr. H., Serology

Mirsepassy, Dr. A., Psychosomatic Medicine
Moadab Naffissi, Dr. A., Therapeutics
Mofidy, Dr. M. H., Parasitology
Mojallal, Dr. M., Tropical Diseases
Moosavi Gharavi, Dr. E.
Motazedy, Dr. F., Clinical Medicine
Mossadegh, Dr. Gh., Gynæcology
Najm-Abadi, Dr. A., Surgery
Nasroodi, Dr. M. A., Tuberculosis
Nematoelahi, Dr. E., Physiology
Ossanloo, Dr. S., Plastic Surgery
Pezeshkian, Dr. Z., Physiology
Pooya, Dr. Y., Hematology
Rafizadeh, Dr. M.
Rahmatian, Dr. H., Cancerology
Rezai, Dr. H., Mental Diseases
Rowshanabady, Dr. H., Chemistry
Sadat-Akhavy, S. M., Clinical Surgery
Sadigh, Dr. F., Hygiene
Sadri, Dr. M., Dermatology
Saleh, Dr. J., Gynæcology
Samiy, Dr. E., Neurosurgery
Shafa, F., Bacteriology
Shafaiy, A., Histology
Shaikh, Dr. Gh. R., Heart Diseases
Shams, Prof. M. Gh., Ophthalmology
Shamsa, A. Z., Pathology
Tabatabaiy, S. M., Anatomy
Tabatabaiy-Naiyny, Dr. A., Oto-Rhino-Laryngology
Tchehrazi, Dr. E., Psychosomatic Medicine
Vakili, Dr. A., General Diseases
Vartani, Dr. A., Chemistry
Vossoughy-Tehrany, Dr. J., Surgery
Yassemi, Dr. H., Legal Medicine

Faculty of Arts and Education:
Bayani, Dr. Kh., General History
Beena, Dr. A. A., History of Iran
Behmanesh, A., History of Ancient Oriental Peoples
Behnam, E., Archæology
Brookhim, Dr. M.
Falsafi, N., History of Iran
Foroozanfar, B., History of Persian Literature
Ganji, Dr. M. H., Physical Geography
Ghomsheiy, M. M., Arabic Language
Gowharin, S., Persian Language
Haqnazarian, Dr. O., German Language and Literature
Hekmat, A. A., History of Religions
Homa'i, Dj., Arabic Rhetoric
Jalali, Dr. M., Psychology and Statistics
Kani, Dr. A., Modern Systems of Education
Keyhan, M., Geography of Persia
Khanlari, Dr. P., Persian Literature
Khatibi, Dr. N. H., History of the Persian Language
Kia, Dr. M. S., Pahlavi Languages
Mahdavi, Dr. Y., Methodology and Modern Philosophy
Minoochehr, H., History of Islamic Mysticism
Moin, Dr. M., Persian Literature
Mojir-Sheybani, Dr. N., General History
Mostaufi, Dr. Ahmad, Physical Geography
Muddarees-Razavi, M. T., Arabic
Muqaddam, Dr. M., Linguistics, Avesta and Old Persian
Pooredavoud, E., Avesta
Sadiqi, Dr. Gh. H., Modern Philosophy and Sociology
Safa, Dr. Z., History of Persian Literature
Sepahbody, Dr. I., French Literature
Shafagh, S. R. Z., Modern Philosophy
Siassi, Dr. A. A., Psychology
Sooratgar, Dr. L. A., English Language
Vaziri, A. N., Aesthetics
Yarshater, Dr. E., Avesta, Ancient Persian

Faculty of Agriculture:
Afshar, J., Zoology and Entomology
Ata'i, Eng. M., Principles of Agriculture, Plant Improvement
Bahrami, Dr. T., Principles of Breeding
Davachi, Dr. Eng. A., Plant Pest and Disease Control
Entezam, A., Geology
Farzaneh Moayyad, Eng. R., Agricultural Engineering
Feylessoofee, Dr. E., Agricultural Machinery
Grist, Eng. R., Genetics and Biology
Hejazee, R., Sylviculture
Hooman, Dr. Ahmad, Agricultural Economics and Administration
Karbassi, Dr. H., Agricultural Chemistry
Khabiri, Dr. E., Plant Diseases
Mahdavi Ardabili, Dr. M. H., Mathematics and Statistics
Munajjemi, Dr. M., Meteorology and Physics
Naji, Eng. E., Pedology
Riahi, Eng. E., Rural Industry
Riazi Esfahani, Dr. E., Agricultural Industry
Sharif Kashani, Eng. Dj., Fermentative Industry
Shaybany, Eng. H., Horticulture
Zahedi, Dr. I., Botany
Zovein, Dr. M., Hygiene

Faculty of Fine Arts:
Aftandilians, Eng. F., Architecture
Doroody, A., Statistics and Resistance of Materials
Farmanfarmayan, A. F., Architecture
Ghyaiy Shamloo, H., Architecture
Heyderian, A. M., Painting
Kouros, Gh. R., Reinforced Concrete
Moghaddam, M., History of Art
Seyhoun, Eng. H., Architecture

Faculty of Law:
Afshar, Dr. H., Comparative Civil Law
Alemi, Dr. E. Kh., Finance Regulations
Ali-Abadi, Dr. A. H., Political Economy
Ali-Abadi, Dr. M. H., Money and Bank Management
Assadi, M., English Language
Azizi, Dr. M., Economic Geography
Bakhtyar Sanjaby, K., Administrative Law
Emami, Dr. H., Civil Law
Hedayati, Dr. M. A., Criminal Law
Hekmat, Dr. M. A., International Political Law
Jazaery, Sh., Administrative Law
Keyhan, Dr. M., Economics
Kian, Dr. Gh. R., Economics
Mateen-Daftaris, Dr. A., Civil and Criminal Law
Mesbah-Zadeh, Dr. M., Penal Law
Meshkat, M., Islamic Law
Nassiry, M., Civil Law
Pad, E., Penal Private Law
Pirnya, Dr. H., Financial Law and Political Economy
Poor-Homayoon, Dr. A. A., Political Economy
Rafati-Afshar, H., English Language
Saba, M., Statistics
Saleh, A.-P., English Literature
Sanglaji, M., Islamic Law
Sardari, R. Gh., Constitutional Law
Sepahbodi, Dr. I., French Language
Shahabi, M., Islamic Law
Sotoodeh, Dr. H., Political History

Faculty of Dentistry:
Ashrafy, Dr. A., Dental Anatomy
Emamy, A., Internal Diseases
Farzin, Dr. F., Dental Diagnostics
Harotoonian, A., Radiology
Mahdavy, H., Surgery
Mehran, Dr. M. R., Mouth and Tooth Surgery
Riaz, H., Orthodontics
Sarkhosh, H., Dentistry
Sayah, M., Mouth Diseases
Vajed Samiy, N., Therapeutics

Faulty of Pharmacy:
Aalam, F., Feeding Materials
Angajee, S. E., Biochemistry
Atabakhsh, Toxicology
Ghaderynejad, R., Chemical Medicine
Gharib, A., Physics
Golgolab, H., Vegetal Biology
Hovakimian, G., Biochemistry
Joneydy, M.-J., Hydrology
Meftah, N., Botany
Moghaddam, S., Galenic Medicine
Moniri, Dr. M., Analytic Chemistry
Namdar, M., Materia Medica
Nezamy, H., Pharmacodynamics
Shahrokh, M., Materia Medica
Sharghy, N., Organic Chemistry

Faculty of Science:
Abdoh, Dr. Y., General Organic Chemistry
Afshar, Dr. H. K., Geophysics
Afzalipoor, Dr. A., Calculus of Probability
Ahmad-Vaziri, Dr. A., Fluid Mechanics
Alebooyeh, Dr. A., Geometry
Azad, Dr. A. A., Nuclear Physics
Azadi-Afshar, Dr. F., General and Mineral Chemistry
Barkeshly, Dr. M., Physics
Behfurooz, Dr. A., Analytical Geometry
Djanab, Dr. K., Mechanical Physics
Farshad, Dr. F.
Fatemi, Prof. T.
Hashtroodi, Dr. M., Analytical Mechanics
Hessabi, Dr. M., Optics
Hoorfar, Dr. T., Cosmography
Ismail-Beigi, Dr. Z., Acoustics
Izadi, Dr. J., Biology
Izadian, Dr. H.
Kamkar-Parsi, Dr. M., General Mathematics
Khabiri, Dr. E., Botany
Khamsavi, Dr. A. A., Applied Mechanics
Mahmoodian, Dr. M. B., Atmospheric Physics
Mostafavi-Rajali, Dr. M. R., Palæontology
Pariman, Dr. A. A., Analytical Chemistry
Parsa, Dr. A., Botany
Radfar, Dr. Gh. R., Industrial Chemistry
Riazi-Kermani, Dr. A., Astronomy
Rowshan-Zaer, Dr. A., Thermodynamics
Shaybany, Dr. A., Physiology
Shaikh, Dr. A., Organic Chemistry
Shirvani, Dr. F., Chemistry
Taghavi, Dr. H., Biological Chemistry
Tavassoli, Dr. A. A., Physical Chemistry
Vahdati, Dr. A., General Mathematics
Vessal, Dr. M., Differential and Integral Calculus
Zahedy, Dr. E., Vegetal Biology

Faculty of Technology:
Aalam, Eng. A., Civil Engineering
Abedi, Dr. R., Organic Chemistry
Arbaby, Eng. A.-A., Railway Construction
Asfia, Eng. M. S., Geology
Assar, Eng. J., Analytical Geometry
Bazargan-Dilmaghani, Dr. Gh. A., Physical Chemistry
Behnia, Eng. A., Marine Construction

GANJEI, Eng. R.
GHASSEMI, Eng. M., Industrial Chemistry
GHAZVINIAN, Eng. A., Textile and Industrial Ceramics
HAMI, Eng. A., Surface Construction
HABIBI, Eng. K.,
HOSSEINY, Eng. K., Geophysics
JAFROODI, Egn. K., Surveying and Marine Works
KHALILI, Eng. A. H., Building Construction
MAHMOODI, Eng., Mining
MASHAYEKHI, Eng. A., Railroad Traction
MIR-AFZALI, Eng. A., Economical Geology
MOHAMMAD-ZADEH FARHAN, Dr., Chemical Thermodynamics
MOJTAHEDI, Dr. M. A., Analysis and Algebra
MORSHAD-ZABEH, Dr. R., Telegraphy
MOSHIRI, Eng. M. A., General Electrotechnics
MOTAMEDI, Eng. M., Mineralogy
MOZAFFARI-ZANGANEH, Eng. M., Transmission of Electricty
NIKOO, Eng. K., Tool-Making Machines
PIRNIA, Dr. H., Economics
RAHIMI-GHAJAR, Dr. N. G., Low-Tension Electricity
RAHMATI, Dr. M. A., Organic Chemistry
RAKHSHANI, Eng. M., Chemical Technology
RIAZI, Eng. A., Hydraulics
RIAZI, Dr. M., Mechanics
SADAT-AGHILI, Dr. A., Geometry
SAFARI, Eng. E., Physics
SAFAVI, Dr. R., Biochemistry
SAIDI, Eng. A., Chemistry
SHAMS MALEK ARA, Engineering I.
SHAMSY, Dr. Eng. H., Industrial Electronics
SHEEDFAR, Dr. Z., Industrial Law
TAD, Eng. A., Industrial Mechanics
TAVANA, Eng. J., Oil Exploitation
YALDA, Dr. A., General Chemistry
YEGANEH-HAERI, Dr. H., Metallurgy
ZAD-MARD, Dr. H., Analytical Chemistry
ZIAIY, Dr. T., Geology

Faculty of Theology:
FOROOZANFAR, B., Persian Literature
GOLSHAN EBRAHIMY, History of Nations and Peoples
HAMIDY, M., Persian Literature
MAJIDI-FAYAZ, Dr. A. A., History of Islam
MESHKAT, S. M., Koran Studies
MINOVI, M., History of Islam
MODARESS-RAZAVI, M. T., Persian Literature
MOHAMMADI, M., Arabic Language and Literature
MOHYEDIN GHOMCHEI-ELAHI, M., Philosophy, Religious Thought
MOWLAVY ARABSHAMY, M. B., Logic
NAZERZADEH-KERMANI, History of Persian Literature
RASHED, H., Philosophy
SADIGHI, Dr. GH. H., History of Philosophy
SHADEMAN, S. F., History of Islam
SHAHABI, M., Logic, Philosophy and Jurisprudence
SHAYKHOLESLAMY, S. M., Sunnit Religious Law
ZARRIN, KOOB, A., Theology and Controversy between different religious sects
ZOLMADJDEYN, Z., Islamic Law

Faculty of Veterinary Medicine:
AGHSA, Dr. M., Surgery and External Diseases
ARDELAN, Dr. E., Food Control
ATA'I, Dr. A., Physiology, Pharmacology, and Therapeutics
AZARM, Dr. E., General Biology, Zoology and Genetics
BAEKESHLY, Dr. M., Physics
DARVISH, Dr. M., Botany, Agriculture, and Materia Medica
KAZEMI, Dr. M. A., Biological Chemistry and Medical Physics
MESHKI, Dr. Y., Internal Diseases of Domestic Animals
MEYMANDI NEJAD, Dr. M. H., Veterinary Medicine, Semeiology, Veterinary Law and History
MIRBABAI, Dr. K., Anatomy
PARIMAN, Dr. A. A., Organic Chemistry
RAFI'I, Dr. A., Parasitology, Parasitic Diseases
RASTEGAR, Dr. R., Microbiology and Serotherapy
SAMARI, Dr. A. M., Hygiene and Endemic Diseases of Man.
YAZDI-ZADEH, M., Animal Husbandry, Hygiene and Animal Breeding

COLLEGES

Abadan Institute of Technology: Abadan; f. 1938; reorganised 1956; undergraduate courses, B.Sc. degree in General Engineering, Petroleum Technology, and Business Administration and Accounting; postgraduate courses in Petroleum Technology and Business Administration and Accounting.

Art College: Ahwaz.

Collège des Beaux Arts: Teheran; fine arts, music, drama, dancing.

Military Academy: Teheran.

Polytechnic Institute: Teheran; has 8 departments giving 4-year courses; includes the Institute of Technology (Honarsaray-Ali) and the Higher Institute of Business Education; Dean Eng. H. DADFARMA.

Trade School: Shiraz; 39 trades are taught.

IRAQ

Population 6,937,426

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Al-Kalam Club (*P.E.N. Club*): Baghdad.

American School of Oriental Research: Baghdad; f. 1923, following the foundation of the Jerusalem School; Dir. (vacant); undertakes archæological surveys and excavations of historic sites; aims to make the accumulating material available to international scholarship; publs. *Bulletin*, quarterlies, monographs.

Arid Zone Research Institute: University of Baghdad, Baghdad; f. 1961; six sections: Soil and Geology, Climate and Environment, Use of the Water Resources for Agricultural Purposes, Arid Zone Reclamation Projects, Agricultural Engineering, Arid Land Reform; Dir. ABDUL RASOOL KAMAL AL-DIN, PH.D.

British Council: 12/11–1 Abu Nawas Street, Baghdad (P.O. Box 298); Representative J. G. G. MUIR, O.B.E., D.SC.; also runs Centres of English Studies in Baghdad and Basrah, Kindergarten in Baghdad.

British School of Archæology in Iraq (Gertrude Bell Memorial): 31-34 Gordon Square, London, W.C.1; f. 1932; Baghdad address: Karradet Mariam; Pres. Rt. Hon. Lord SALTER, P.C., G.B.E., K.C.B.; Joint Dirs.: Prof. D. J. WISEMAN, O.B.E., F.S.A., DAVID OATES, M.A.; publ. Journal *Iraq* (twice annually).

Department of Scientific and Industrial Research: Directorate-General of Industry, Baghdad; f. 1935; staff 42; publ. *Technical Bulletin, Annual Report;* Dir.-Gen. of Industry SHEETH NA'AMANN.

Deutsches Archäologisches Institut (*German Archæological Institute*): Aiwadhiya, Sharia ibn Duraid 135/2/1, Baghdad.

Deutsches Kulturinstitut: P.O.B. 1024, Baghdad; f. 1959; Dir. Dr. J. WENO.

Instituto Hispano-Arabe de Cultura (*Hispano-Arabic Cultural Institute*): Nidal Street, opposite Saadun Market, Baghdad.

Iraq Academy, Waziriyah, Baghdad; f. 1947 with the aims of maintaining the Arabic language, undertaking research in Arabic history, and the history of Iraq, and encouraging research in the modern arts and sciences; the Academy has Active Members (not exceeding 15 in number), Associate Members, Honorary Members and Corresponding Members; the last two categories including Iraqi and other nationalities; Pres. Sheikh MOHAMMED RIDHA AL-SHIBIBI; Sec. Dr. YOUSIF IZZIDIEN; publs. *Arabs before Islam* (8 vols), *Literary Criticism in Iraq, Bulletin.*

Medical Society, The: Baghdad; Pres. Prof. SA'IB SHAWKAT; Sec. Dr. SALEM DAMLUJI.

Nuclear Research Centre (*Iraqi Atomic Energy Comm.*): Shalchiyah, Baghdad; f. 1957; includes training facilities for applications of radioisotopes in research.

Soviet Cultural Centre: Baghdad; f. 1962; library.

Spanish Cultural Centre: Baghdad.

Teachers' Society: Sharia Al-Askari, Baghdad; f. 1942; Pres. ABDUL-GHANI AL-CHERCHEFCHI.

U.S. Information Center: Baghdad.

LIBRARIES

Al-Awqaf (*Library of Waqfs*): Baghdad; f. 1929; works relating to the Koran and Arabic history and literature; 8,517 vols., 3,876 MSS.

Central Library, University of Baghdad: Baghdad; 25,000 vols.; Arab MSS.; Librarian HISHAM AL-SHAUWAF, PH.D.

College of Agriculture Library: Abu Ghraib; f. 1952; 11,870 vols.; Librarian NAJLA MADHER.

Diwan Library, The: Ministry of Education, Baghdad; f. 1921.

Library of the American School of Oriental Research: Baghdad; f. 1923; 2,966 vols.; Librarian GURGIS AWAD.

Libraries of the British Council: Baghdad Institute, Waziriyah, c/o P.O. Box 298; *c.* 14,500 vols.; Basra Centre 6,000 vols.; Mosul Centre 3,000 vols.

Library of the College of Arts: Baghdad; f. 1949; 22,910 vols.; Librarian FATTIMA AL-NIAMI.

Library of the Institute of Fine Arts: Baghdad; f. 1936; 3,250 vols.; Librarian MOHAMMED EMIN TAWFIQ.

Library of the Iraq Museum: Baghdad; f. 1934; 37,500 vols.; 2,340 MSS., Librarian GURGIS AWAD.

Library of the Mosul Museum: Mosul; 6,529 vols.

Library of the Faculty of Medicine: Baghdad; f. 1927; 13,889 vols.; Librarian SAYID ABID NISSAN.

Library of the Soviet Cultural Centre: Baghdad.

Mosul Public Library: Mosul; f. 1930; 55,000 vols., 1,000 MSS. Dir. AHMAD NEELA.

Nasiriyya Public Library: Muntafiq; Librarian MOHAMMED LAFFAR KHIDER.

National Library: Zahawi Street, Baghdad; f. 1955; 35,700 vols.

Technical Atomic Energy Library: Baghdad; up-to-date references, reports, pamphlets, microcards, magazines and film reels.

There are also Public Libraries of some standing in the following towns: Amara, Arbil, Basra, Diwaniya, Diyala, Dulaim, Hillah, Karbala, Kirkuk, Kut, Najef and Sulaimaniya.

SELECTED PRIVATE LIBRARIES

Bashayan el Abbasi Library: Sharia Abbasiyah, Basra; f. 16th century; 10,000 vols. includes 1,500 Arabic manuscripts, some being 800 years old.

Mohamad Ahmad Library: Basra; f. 1920; 6,000 vols.; over 300 Arabic and Persian MSS.

Rafael Batti Library: Baghdad; 7,000 vols.; relating to the literature, history, economics, politics and sociology of the East.

Taha El-Rawi Library: Baghdad; f. 1906; 14,000 vols., including 6,000 MSS.; works in Arabic, Turkish and Persian.

Yacub Sarkis Library: Baghdad; f. 1911; 4,000 rare vols.; 350 MSS.; special collection relating to the travels of Europeans in Iraq and the East.

MUSEUMS

The following museums, with the exception of the Natural History Museum, are under the control of the Department of the Directorate-General of Antiquities in Baghdad, a governmental body headed by Dr. FEISAL AL-WAELI. The Directorate-General of Antiquities organises all museum exhibitions, conducts archaeological excavations and supervises excavations by foreign expeditions, issues archaeological reports and maps, and publishes *Sumer*, an archaeological journal which appears twice a year.

Abbasid Palace Museum, The: Baghdad; a restored Palace dating back to the last Caliphs of the Abbasid dynasty (13th century A.D.); an exhibition of Arab antiquities, and also scale models of important Islamic monumental buildings in Iraq. Opened as a Museum in 1935.

Aqer Quf Museum: f. 1942; this contains objects excavated during the work at Aqer Quf (1942–45), including stone door sockets with cuneiform inscriptions, pottery jars and bricks. The Museum is situated in an old Temple dedicated to the god Enlil.

Arms Museum: Sheikh Omar District, Baghdad; f. 1940; the museum is one of the main gates in the walls of 13th century Baghdad; it contains a scale model of these walls, obsolete weapons and firearms.

Babylon Museum: f. 1949; contains models, pictures, and paintings of the remains at Babylon; the Museum is situated amongst the ruins.

Costumes and Ethnographic Museum: Bab-al-Shargi, Baghdad; f. 1941; exhibits the costumes and other ethnographical features of Iraq; on the same premises is the Memorial Exhibition, containing the royal relics of King Faisal I; there is also a picture gallery.

Iraq Museum, The: Ma'mun Street, Baghdad; f. 1923; contains antiquities of ancient Mesopotamian cultures and civilisations ranging from the Early Stone Age to the beginning of the Islamic era in almost uninterrupted sequence. This museum has more than 20,000 pieces on display and about 40,000 pieces in its store rooms; Dir. Dr. FARAJ BASMACHI; Library: *see* under Libraries.

Iraq Natural History Museum: Waziriya No. 9/3/9, Baghdad; f. 1946; includes sections on zoology, botany and geology; publishes scientific papers dealing with the Natural History of Iraq in the series *Iraq Nat. His. Mus. Publications*, and *Bull. Iraq Nat. His. Mus.*; library of *c.* 12,500 vols.; Dir. BASHIR E. ALLOUSE, M.SC.

Mosul Museum: Dawassa, Mosul; collections: Assyrian antiquities of the 9th and 8th centuries B.C. found at Nimrud, objects uncovered in the ruins of Hatra dating back to the 2nd century B.C. and 2nd century A.D., agricultural tools and pottery vessels from the 5th and 4th millennium B.C., photographs of excavated buildings at Tepe Gawra, maps of the Assyrian Empire, Nimrud and Hatra; Prehistoric and Islamic exhibits; Dir. S. DEWACHI.

Museum of Arab Antiquities: Samawal Street, Baghdad; it is a restored building of the 14th century A.D., which was opened as a Museum in 1937; collections of Arab antiquities illustrating different Islamic cultural periods in Iraq; exhibits mainly from Wasit, Samaria and Kufa.

Samarra Museum: Samarra; f. 1936; it is housed in one of the old city gates, and contains objects excavated in the ruins of ancient Samarra.

UNIVERSITIES

AL-HIKMA UNIVERSITY OF BAGHDAD

BOX 2125, BAGHDAD

Telephone: 99063.

Telegraphic Address: Irameda, Baghdad.

Founded 1956.

President: Very Rev. J. P. BANKS, S.J., PH.D.

Dean of Studies: Rev. J. L. RYAN, S.J., M.S.

Librarian: Rev. R. J. COTE, S.J., M.S.

Number of teachers: 51.

Number of students: 439.

Publications: Kalam series on Islamic Theology, Linguistic series on Arabic Language.

Regular four-year courses leading to three degrees: B.S. in Civil Engineering, B.S. in Business Administration, B.A. in English Language and Literature. Ordinary faculties have not yet been set up, but there are departments in Engineering, Languages, Mathematics and Physics, Philosophy, Social Sciences, Business Administration and Theology.

PROFESSORS:

ABDUL-WAHAB, A.-R., Business Law
ANDREWS, J., Drawing
CAMPBELL, R. B., S.J., Philosophy, Theology
CROWLEY, C. G., S.J., Physics
GUAY, L. J., S.J., Civil Engineering
IBACH, W. D., S.J., English Language and Literature
JALIL, H., Chemistry
KELLY, F. W., S.J., Civil Engineering
LARKIN, W. J., S.J., Physics
LOUDEN, C. B., Business Administration
MCCARTHY, R. J., S.J., Arabic, Islamic Theology
MCDONOUGH, L. J., S.J., Mathematics
MULVEHILL, T. B., S.J., History, Theology

UNIVERSITY OF BAGHDAD

BAGHDAD

Telephone: 20051.

Founded 1958.

The University of Baghdad is a state institution providing free education. All the Institutes and Colleges listed below have been incorporated in the University. Each has its own library of Arabic and foreign books.

President: A. A. AL-DURI, PH.D.

Vice-President in Mosul: N. KHAROOFAH, PH.D.

Vice-President in Basrah: A. H. MAHBOOBA, PH.D.

Secretary-General: I. SHAWKAT, PH.D.

Registrar: W. H. AL-KHASHAB, PH.D.

Dean of Students: R. M. AL-PHEEL, PH.D.
Dean of Students (Women): KHEDEEJA AL-HADEETHI, PH.D.
Librarian: H. AL-SHAWAF, PH.D.

Number of teachers: 1,256.
Number of students: 21,249.
Publications: *Statistical Bulletin* (annual), *General Catalogue.*

INCORPORATED COLLEGES:

COLLEGE OF AGRICULTURE

Founded 1952.

Dean: H. AL-ANI, PH.D.

Library of 12,000 volumes.
Number of teachers: 101.
Number of students: 489, including 21 women.

The following departments constitute the College: Agricultural Chemistry, Agricultural Botany, Field Crops, Gardening and Vegetables, Animal Husbandry, Soils, Agricultural Engineering, Agricultural Economics and Statistics, Guidance and Agricultural Education, Entomology and Zoology, and Agricultural Industries.

PROFESSORS:

ASKAR, A. A., Animal Husbandry
BARKLY, F. A., Agricultural Botany
RAIFAT, M. A., Animal Husbandry
ZA'ZOOA, M., Entomology and Zoology

COLLEGE OF ARTS

Founded 1949.

Dean: J. SA'ID, PH.D.

Library of 31,771 volumes.
Number of teachers: 76.
Number of students: 1,827, including 838 women.

The following departments constitute the College: Arabic, Archæology, English, Geography, History, Philosophy, Sociology, Journalism.

PROFESSORS:

ALI, S. A. AL-, History
AMIN, M. H. AL-, History
FIKRY, A., Archæology
HAGERY, M. T. AL-, Arabic
KHALAF, J. AL-, Geography
MARZOOQ, M. A. A., Archæology
SAID, J., Arabic
TABANAH, B., Arabic
TAI, M. H. AL-, Geography
WARD, A. H. AL-, Sociology

COLLEGE OF COMMERCE

Founded 1947.

Dean: M. A. AL-YASSEN, PH.D. (acting).

Library of 3,200 volumes.
Number of teachers: 24.
Number of students: 1,062, including 244 women.

The College of Commerce contains the following departments: Accountancy, Business Administration.

PROFESSOR:

AHMAD, A. L., Accountancy

COLLEGE OF ECONOMIC AND POLITICAL SCIENCES

Founded 1963.

Dean: M. J. AL-SIEDI, PH.D. (acting).

Library of 10,100 volumes.
Number of teachers: 35.
Number of students: 1,016, including 293 women.

The following departments constitute the College: Political Science, Economics.

PROFESSORS:

AZIZ, M., Economics
HITAH, A. A. AL-, Economics

COLLEGE OF DENTISTRY

Founded 1953.

Dean: F. AL-QUDSI, M.A.

Library of 873 volumes.
Number of teachers: 29.
Number of students: 220, including 71 women.

The College of Dentistry contains the following departments: Biology, Dental Materials, Dental Prosthetics, Operative Dentistry, Oral Surgery.

COLLEGE OF EDUCATION

Founded 1939.

Dean: A. A. AL-BASSAM, PH.D. (acting).

Library of 28,470 volumes.
Number of teachers: 176.
Number of students: 2,539, including 843 women.

The College of Education contains the following departments: Education and Psychology, Arabic, History, Geography, Foreign Languages, Biology, Physics, Mathematics, Chemistry.

PROFESSORS:

ABDULLAH, I., PH.D., Education
ALI, J., PH.D., History
BASSAM, A. A. AL-, PH.D., Education
HASHIMY, K. AL-., PH.D., Education
HASHIMY, M. AL-, PH.D., History
HILEY, A. H. AL-, PH.D., History
IBRAHEEM, K., Arabic
JABBAR, M. A. A., M.SC., Botany
JAWAD, M., PH.D., Arabic
KANOONAH, M. M., PH.D., Physics
KHALEEL, A. I., PH.D., Botany
KHALOOSY, S., PH.D., Arabic
NAJEM, A. T. AL-, PH.D., Botany
NUAMAN, S., Chemistry
RAJEH, A. I., PH.D., Education
SHAREEF, I., PH.D., Geography
SHAWKAT, I., PH.D., Geography
ZUHIARY, M. Y., AL-, PH.D., Arabic

COLLEGE OF ENGINEERING

Founded 1942.

Dean: N. A. KADIR, PH.D., M.A.S.C.E.

Library of 5,657 volumes.
Number of teachers: 91.
Number of students: 1,179, including 82 women.

The College of Engineering contains the following departments: Architectural Engineering, Chemical Engineering, Civil Engineering, Electrical Engineering, Mechanical Engineering, Petroleum Engineering.

PROFESSORS:

AUZINIAN, Y., Civil Engineering
DAWWAF, Y., Civil Engineering
DENNO, S., Electrical Engineering
FEEDWISK, G. A., Mechanical Engineering
HISHMAT, A. K., Civil Engineering
KROF, C. A., Chemical Engineering
MAHDI, H., Civil Engineering
MALLAKA, J. A., Civil Engineering
QADIR, N. A., Civil Engineering
ROAST, K. F., Petroleum Engineering
SOUROFI, J., Petroleum Engineering
TAJIRIAN, F., Civil Engineering

COLLEGE OF LAW

Founded 1908.

Dean: A. J. ARAIM.

Library of 11,250 volumes.
Number of teachers: 26.
Number of students: 1,837, including 186 women.

PROFESSORS:

ARAIM, A. J., Criminal Law
NAHI, S. AL-D. AL-, Private Law
NASIR, S., Private Law

COLLEGE OF MEDICINE

Founded 1927.

Dean: A. L. AL-BADRI.

Library of 59,517 volumes.
Number of teachers: 135.
Number of students: 1,420, including 406 women.

PROFESSORS:

AKRAWI, Y. A., M.D., Dermatology and Venereal Disease
BADRI, A. L. AL-, Surgery
BADRI, L. AL-, Gynæcology and Obstetrics
DAHAM, S. AL-, Medicine
DAMLOOGI, S. AL-, Pharmacology and Therapeutics
FAIK, S., Surgery
JALEELI, M. AL-, Medicine
ROSEBEEK, S., PH.D., Chemistry
SAFFAR, A. S. AL-, Bacteriology and Parasitology
SAMMARAI, K., Gynæcology and Obstetrics
SHAHEEN, A. S., Public Health and Social Medicine

COLLEGE OF PHARMACY

Founded 1936.

Dean: A. K. BASHI.

Library of 850 volumes.
Number of teachers: 30.
Number of students: 338, including 162 women.

PROFESSORS:

AZIZ, Y., Physics
BASHI, A. K., General and Analytical Chemistry
EMERSON, G., Pharmacy
TAWFIQ, F., Pharmacy

COLLEGE OF SCIENCES

Founded 1949.

Dean: M. W. AL-DHAHIR.

Library of 8,879 volumes.
Number of teachers: 103.
Number of students: 945, including 317 women.

The College of Science contains the following faculties: Botany, Chemistry, Geology, Mathematics, Microbiology, Physics and Zoology.

PROFESSORS:

BRAND, J. B., Geology
CHABMAN, A., Geology
DHAHIR, M. W. AL-, Mathematics
HAFITH, M. J. AL-, Botany
MERZA, W. F., Chemistry
SNAFLY, A., Chemistry

COLLEGE OF VETERINARY MEDICINE

Founded 1955.

Dean: S. KHAYAT, PH.D.

Library of 5,518 volumes.
Number of teachers: 35.
Number of students: 158.

PROFESSORS:

KHAYAT, S., PH.D., M.R.E.U.S., Bacteriology
PANDI, B. G., Pathology
SHAH, M. H., M.R.C.V.S., Medicine
SIMON, E., PH.D., Anatomy and Histology

COLLEGE FOR WOMEN

Founded 1946.

Dean: S. K. ISMAIL, PH.D.

Library of 12,500 volumes.
Number of teachers: 83.
Number of students: 1,205.

COLLEGE OF SHARI'A (DIVINITY)

Founded 1946.

Dean: O. BAWAZEER (acting).

Library of 6,053 volumes.
Number of teachers: 33.
Number of students: 920, including 304 women.

PROFESSORS:

GHIATH, Z. M., Jurisprudence
HAGAR, A. M. AL-, Jurisprudence
ISMAIL, A. Y., Jurisprudence
KISHBY, M. M. AL-, Jurisprudence
SHALTOOT, A. M., Jurisprudence

COLLEGE OF NURSING

Founded 1962.

Dean: L. AL-BADRI (acting).

Number of students: 55.

COLLEGE OF MEDICINE IN MOSUL

Founded 1959.

Dean: T. I. HAMDI.

Library of 2,874 volumes.
Number of teachers: 58.
Number of students: 553, including 141 women.

PROFESSORS:

ABDAH, S., Public Health
BRASAD, H., Public Health
FARAJ, K. S., Surgery
HAMDI, T. I., Medicine
ISMAIL, R., Gynæcology and Obstetrics
KOGHI, J. A., Medicine
MALLAH, A. F. AL-, Biochemistry
MINERZ, J. M., Surgery
SALIM, H. H., Parasitology and Bacteriology
SETH, T. N., Biochemistry

COLLEGE OF SCIENCE IN MOSUL

Founded 1963.

Dean: A. R. HASWAN (acting).

Number of teachers: 30.
Number of students: 394, including 88 women.

The College of Sciences in Mosul contains the following faculties: Chemistry, Physics, Mathematics, Biology, Geology.

PROFESSORS:

IBRAHEEM, Z. M., Mathematics
SHARAN, R. K., Biology

COLLEGE OF ENGINEERING IN MOSUL

Founded 1963.

Dean: N. KHAROOFAH.

Number of teachers: 19.
Number of students: 275, including 10 women.

PROFESSORS:

ASTANA, Civil Engineering
KHAROOFAH, N., Civil Engineering

COLLEGE OF PHARMACY IN MOSUL

Founded 1964.

Dean: A. F. AL-MALLAH (acting).

Number of teachers: 1.
Number of students: 36, including 13 women.

PROFESSOR:

A'ULA, Z. A. AL-, Chemistry

COLLEGE OF AGRICULTURE AND FORESTRY

Founded 1964.

Dean: I. AL-AZAWI (acting).

Library of 500 volumes.
Number of teachers: 8.
Number of students: 88, including 2 women.

COLLEGE OF EDUCATION IN BASRAH

Founded 1964.

Dean: Y. ARAB (acting).

Number of teachers: 23.
Number of students: 435, including 101 women.

COLLEGE OF ENGINEERING IN BASRAH

Founded 1964.

Dean: A. AL-D. NA'OM.

Number of teachers: 1.
Number of students: 133, including 4 women.

COLLEGE OF LAW IN BASRAH

Founded 1964.

Number of teachers: 6.
Number of students: 248, including 49 women.

PROFESSOR:

MOHAMMAD, A. A. R., Law

AFFILIATED INSTITUTES:

Higher Institute of Physical Education: f. 1955; Acting Dean N. AL-D. AL-SAHERWARDI; teachers: 11; students: 327.

Institute of Higher Industrial Engineering: Baghdad; f. 1955; Acting Dean N. AL-DAMLGI; teachers: 22; students: 341.

Institute of Languages: Baghdad; f. 1958; Acting Dean B. A. GHANI; teachers: 29; students: 1,022 (327 women).

Institute of Public Administration: Baghdad; f. 1958; Acting Dean A. AL-YASEEN; teachers: 13; students: 529 (94 women).

Arid Zone Research Institute: Acting Dean N. KADOORI.

Institute of Technical Training: Baghdad; f. 1958; Acting Dean F. AL-KHALISI; teachers: 4; students: 346 (7 women).

Higher Institute of Teachers: f. 1960; Acting Dean I. A. MUHI; teachers: 21; students: 484 (128 women).

Institute of Technical Agriculture: Baghdad; f. 1964; Acting Dean A. AL-AZAWI; students: 75 (1 woman).

Secretarial Institute: Baghdad; f. 1964; students: 287 (75 women).

Institute of Accountancy: Mosul; f. 1964; Acting Dean M. S. KITANAH; students: 466 (19 women).

COLLEGES

Al-Shari'a College: Baghdad; Dean Prof. NAJI MAROUF.

Higher Institute of Accountancy and Business Administration: Baghdad.

Higher Institute of Industry: Baghdad.

Higher Institute of Teachers: Baghdad.

Technical Training Institute: Baghdad; created 1960 by UN Special Fund; 75 students for basic and vocational training.

INSTITUTE OF FINE ARTS

BAGHDAD

Founded 1936.

Dean: J. AL ABUDI.
Assistant Deans: A. R. AL GAILANI, S. EL MUFTI.
Head of the Occidental Music Department: H. QADURI.
Head of the Oriental Music Department: S. SHUKUR.
Head of the Drama Department: A. A. RAZAK.
Head of the Painting Department: F. HASSAN.
Head of the Sculpture and Ceramics Department: A. R. AL GAILANI.
Head of the Calligraphy and Decoration Department: H. AL KHATAT.

Number of teachers: 44.
Number of students: 340.

IRELAND - REPUBLIC OF

Population 2,818,341

ACADEMIES

IRISH ACADEMY OF LETTERS
QUEEN'S THEATRE, DUBLIN

Founded 1932

President: ARLAND USSHER.
Vice-President: RUTHERFORD MAYNE.
Hon. Secretary: PEADAR O'DONNELL.

ACADEMICIANS:

BENEDICT, KIELY (poet and novelist).
BOWEN, ELIZABETH (novelist).
CLARKE, AUSTIN (poet).
COLUM, PADRAIC (poet and dramatist).
DEEVY, TERESA.
ERVINE, ST. JOHN (critic and dramatist).
FALLON, PADRAIC (poet).
GWYNN, DENIS (historian).
JOHNSTON, DENIS (dramatist).
LAVIN, MARY (novelist).
LESLIE, Sir SHANE, Bt. (poet and novelist).
MACNAMARA, BRINSLEY (dramatist).
MAXWELL, CONSTANTIA E.
MAYNE, RUTHERFORD (dramatist).
O'BRIEN, KATE (journalist, playwright, novelist).
O'CONNOR, FRANK (novelist).
O'DONNELL, PEADAR (novelist).
O'FAOLÁIN, SEÁN (novelist and short-story writer).
RODGERS, W. R.
STARKIE, ENID.
STARKIE, WALTER (literary historian).
STUART, FRANCIS (novelist).
USSHER, ARLAND.
WADDELL, HELEN (poet and literary historian).

ROYAL HIBERNIAN ACADEMY OF PAINTING, SCULPTURE AND ARCHITECTURE
15 ELY PLACE, DUBLIN

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President: MAURICE MACGONIGAL, R.H.A., H.R.A. (painter).
Secretary: MICHEÁL DE BURCA (painter).
Treasurer: JOHN F. KELLY (painter).
Keeper: JOHN F. KELLY (painter).
Trustees: MICHEÁL DE BURCA (painter), GEORGE COLLIE (painter), JOHN KEATING (painter).

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BRANDT, Mrs. MURIEL (painter).
BURCA, MICHEÁL DE (painter).
CAMPBELL, GEORGE (painter).
CAMPBELL, LAURENCE (professor of sculpture).
COLEMAN, SIMON (painter).
COLLIE, GEORGE (painter).
CONOR, WILLIAM (painter).
CRAIG, ROBERTSON (painter).
GALBALLY, CECIL (oil painter).
GANLY, Mrs. A. (painter).
GLENAVY, The Lady (Beatrice Elvery) (painter).
HAYES, ERNEST (painter).
HENNESSY, PATRICK (painter).
KEATING, JOHN (painter).
KELLY, OISIN, (sculptor).
KELLY, Sir GERALD (painter).
KERNOFF, HARRY (painter).
LE BROCQUY, LOUIS (painter).
LEECH, W. J. (painter).
MCKELVEY, FRANK (painter).
MURPHY, SEAMUS (sculptor).
NISBET, THOMAS.

HONORARY MEMBERS:

BEATTY, Sir A. CHESTER.
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ASSOCIATE MEMBERS:

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ROYAL IRISH ACADEMY
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RAFTERY, J., DR.PHIL.
UÍ DHÁLAIGH, M. BEAN, M.A.

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

Accountancy, Banking, Statistics

Association of Certified and Corporate Accountants: 102/103 Grafton Street, Dublin; Pres. L. P. Macnamara; Hon. Sec. R. W. McAuley.

Institute of Bankers: 20 College Green, Dublin; f. 1898; Pres. J. Elliott Forde, C.B.E., D.L.; Hon. Sec. P. Bourke; Sec. Cecil H. H. Fennell; publ. *Journal* (f. 1898; quarterly).

Institute of Chartered Accountants in Ireland: Offices and Library: 7 Fitzwilliam Place, Dublin 2; Belfast Office: 6 Callender Street; inc. by Royal Charter May 14th, 1888; 1,850 mems.; Sec. Colin E. Polden, D.SC., A.C.A.

Irish Association of Accountants, Ltd.: 102-103 Grafton Street, Dublin; f. 1926; 33 mems.; Pres. E. P. Whelan, F.I.A.A.; Sec. Miss M. Corrigan.

Irish Institute of Secretaries (Limited by Guarantee): 112 Marlborough Street, Dublin; f. 1941; Sec. Aindrias O Scolaidhe, A.I.I.S., A.I.A.C.; Educational Officer Sean Phillips, B.A., T.T.G., A.I.I.S.

Statistical and Social Inquiry Society of Ireland: f. 1847; Pres. P. Bourke, M.A.; Hon. Secs. R. D. C. Black, PH.D., J. B. Broderick, M.SC., and W. J. L. Ryan, PH.D., Hon. Treasurer T. P. Linehan, B.E., B.SC., Central Statistics Office, Dublin.

Agriculture, Horticulture

National Agricultural and Industrial Development Association, Inc.: 3 St. Stephen's Green N., Dublin, C. ; f. 1905; 500 mems.; Hon. Sec. Sean O'Bradleigh.

Royal Dublin Society: Ballsbridge, Dublin; f. 1731 for the advancement of agriculture, industry, science, and art; this Society is responsible for the annual Dublin Horse Show; 12,000 mems.; the Society contains a scientific library; Pres. H. J. Toler Aylward; Registrar H. H. Poole, SC.D.; publs. *Scientific Proceedings, Irish Large White Pig Herd Book, Kerry Cattle Herd Book, Irish Landrace Herd Book* (annually); library: *see* Libraries.

Royal Horticultural and Arboricultural Society of Ireland: 16 St. Stephen's Green, Dublin, N.; f. 1830; 989 mems.; Hon. Sec. R. B. Walpole; Sec. Miss Barbara Scott; publs. *Year Book, Bulletin* (at intervals).

Architecture, Surveying

Architectural Association of Ireland, The: 8 Merrion Square, Dublin; 190 mems.; Pres. Chris Dardis, B.ARCH.; Hon. Secs. Colm McCormack, M.R.I.A.I., John E. O'Reilly, B.ARCH., M.R.I.A.I., A.R.I.B.A.; publ. *The Green Book* (annual).

Royal Institution of Chartered Surveyors (Eire Branch): 46 Fitzwilliam Square, Dublin 2; branch f. 1898 by amalgamation of Irish Land Agents' Committee with Surveyors' Institute; Asst. to Hon. Sec. Miss G. M. Woodhouse.

Royal Institute of the Architects of Ireland, The: 8 Merrion Square, Dublin 2; f. 1839; 562 mems.; Pres. Pearse Mackenna, B.ARCH., F.R.I.A.I., A.R.I.B.A.; publ. *R.I.A.I. Year Book.*

Arts

The Irish Society for Design and Craftwork: f. 1894; Pres. Countess of Rosse; Chairman Prof. Desmond Fitz-Gerald, B.ARCH., F.R.I.A.I., A.R.I.B.A., A.M.T.P.I.; Hon. Sec. Miss Angela O'Brien, 112 Ranelagh, Dublin 6; Hon. Treas. Gerald McNicholl, B.ARCH., San Clemente, Vico Road, Dalkey, Co. Dublin.

Friends of the National Collections of Ireland: 72 St. Stephen's Green, Dublin; estab. 1924; Pres. The Earl of Rosse; Hon. Sec. James White.

Irish Society of Arts and Commerce: f. 1911; Pres. Rt. Rev. Mgr. Edward Kissane, D.D., D.LITT., L.S.S.; Sec. Miss A. von Muntz, 55 Fairview Strand, Dublin.

Photographic Society of Ireland: 11 Hume Street, Dublin; f. 1854; 340 mems.; Pres. T. McMullan, A.R.P.S., E.F.I.A.P.; Hon. Sec. Hugh Doran, E.F.I.A.P.; publ. *The Lens* (monthly).

Astronomy

Irish Astronomical Society: 26 Thornhill Road, Mount Merrion, Co. Dublin; f. 1937; 160 mems. (Dublin Centre); Pres. Dr. H. A. Bruck, Dunsink Observatory, Co. Dublin; Sec. W. J. Farquharson.

Bibliography

Bibliographical Society of Ireland (1918)**:** Pres. Dr. F. S. Bourke, F.R.C.P.I.; Hon. Sec. Alf MacLochlainn, c/o National Library, Dublin; publ. *Proceedings.*

Biology

Dublin Naturalists' Field Club: R.I.A. House, 19 Dawson Street, Dublin 2; f. 1885; 200 mems.; undertakes the practical study of zoology, botany and geology, chiefly of the Province of Leinster; Hon. Sec. H. J. Hudson; publ. *Annual Report.*

Dublin University Biological Association: Trinity College, Dublin; f. 1874; 300 mems.; Pres. S. T. McCollum, M.B., F.R.C.S.; Hon. Secs. R. E. Crockett, B.A., Miss M. Henry; Treas. N. Heaney; Librarian A. Young.

Royal Zoological Society of Ireland: Phoenix Park, Dublin; f. 1830; 3,881 mems.; Pres. George Shackleton, Hon. Secs. A. O. Bruty, V. Craigie; Superintendent E. T. Murphy; publ. *Annual Report.*

Chemistry

Institute of Chemistry of Ireland, The: 22 Clyde Road, Ballsbridge, Dublin 4; f. 1950; Pres. D. T. Long, M.SC., PH.D., F.R.I.C., F.I.C.I.; Hon. Sec. Francis T. Smyth, B.SC., PH.D., A.R.I.C., F.I.C.I.

Education

Church Education Society: 5A Townsend Street, Dublin; f. 1839; Hon Secs. Very Rev. N. D. Emerson, PH.D., and Rev. G. D. Hobson, M.A.; Asst. Sec. and Inspector of Schools Rev. S. G. Poyntz, M.A., B.D., PH.D.; publ. *Annual Report.*

Engineering

Engineering and Scientific Association of Ireland: 12 Lr. Mount Street, Dublin; f. 1903; 150 mems.; Pres. T. Illingworth, F.I.E.S., A.M.I.E.E., A.M.I.H.VE., Hon Sec. D. S. Carty, B.A., B.A.I.; Hon Treas. P. Luizzi; publ. *Annual Report.*

Engineers' Association, The: 22 Clyde Road, Ballsbridge, Dublin; f. 1928; 1,700 mems.; Sec. F. J. O'Sullivan, LL.B.; publ. *Engineers Journal* (monthly).

Institution of Civil Engineers of Ireland: Intercontinental, Ballsbridge, Dublin; f. 1835; 1,200 mems.; Pres. R. N. Cross, B.E., M.S.C.E.; Sec. J. Kinsilla, B.E., M.I.C.E.; Registrar W. O'Neill; publ. *Transactions.*

Institution of Electrical Engineers, The (*Irish Branch*)**:** Magnet House, Adelaide Road, Dublin; 380 mems.; Chair. J. McKeever, B.SC.; Hon Sec. H. DeLacey, B.E.

HISTORY

Cork Historical and Archæological Society: c/o Department of History, University College, Cork; f. 1891; Hon. Sec. E. M. FAHY, M.A., Wellington Tce., Sunday's Well, Cork; Hon. Editor JOHN MURPHY, M.A.; 425 mems.; publ. *Journal* (twice yearly).

Folklore of Ireland Society: 82 St. Stephen's Green, Dublin; f. 1926; Pres. PÁDRAIG Ó SIOCHFHRADHA, M.A.; Sec. CONN Ó CLÉIRIGH, M.A.; Treas. PÁDRAIG BREATHNACH; Registrar SEÁN Ó SÚILLEABHÁIN, B.A.; Editor and Librarian Prof. SÉAMUS Ó DUILEARGA, M.A., D.LITT., LL.D., PH.D.

Genealogical Office (formerly Office of Arms): Dublin Castle; established 1552; Chief Herald and Genealogical Officer GERARD SLEVIN, M.A.

Irish Folklore Commission: University College, Dublin; f. 1935; Chair. An.-tath. P. E. MACFHINN, M.A., D.D.; Hon. Dir. Prof. SÉAMUS Ó DUILEARGA, M.A., D.LITT.

Irish Historical Society: Palmerston House, Broadstore, Dublin; f. 1936; 200 mems.; Pres. T. O'RAFFERTY, University College, Dublin; Sec. Prof. D. WILLIAMS, University College, Dublin; publs. (with Ulster Society for Irish Historical Studies) *Irish Historical Studies* (two issues yearly).

Irish Manuscripts Commission: 73 Merrion Square, Dublin 2; estab. 1928; 19 mems.; Chair. E. McLYSAGHT, D.LITT.; 121 published vols.

Military History Society of Ireland: Newman House, University College, 86 St. Stephen's Green, Dublin 2; f. 1949; 1,000 mems.; Pres. Sir CHARLES PETRIE, Bt., M.A. (OXON.), F.R.HIST.SOC.; Secs. RUPERT COUGHLAN, Lt.Col. OLAF McNEILL; publ. *The Irish Sword* (twice yearly).

Old Dublin Society: Civic Museum, City Assembly House, 58 South William Street, Dublin 2; f. 1934; 450 mems.; Pres. PATRICK J. MONKS; Hon. Sec. MICHAEL J. TUTTY; publ. *Dublin Historical Record* (quarterly).

Royal Society of Antiquaries of Ireland: 63 Merrion Square, Dublin; f. 1849; 780 mems.; 6,000 vols. in library; Hon. Gen. Sec. A. T. LUCAS, M.A., D.LITT., M.R.I.A.; publ. *Journal* (twice a year).

University College Literary and Historical Society: University College, Earlsfort Terrace, Dublin; f. by Cardinal Newman 1855; Auditor HENRY D. CRAWLEY.

LAW

Honourable Society of King's Inns: Henrietta Street, Dublin; f. 1542; Treas. Hon. Mr. Justice BUDD; Under-Treasurer F. A. MAGEE; Librarian Mrs. B. McMENAMIN (over 110,000 vols.); 37 brs.; all students and barristers are members of the Inns.

Incorporated Law Society of Ireland: Solicitors' Buildings, Four Courts, Dublin, 7; f. 1841; 1,250 mems.; Sec. ERIC A. PLUNKETT; publ. *Law Directory* (annually).

LITERATURE, PHILOLOGY

Alliance Française de Dublin: 18 Herbert Street, Dublin 2; f. 1961; 300 mems.; 1,400 students; Dir. M. VILLEMUR; Sec. Mrs. M. McKENNA.

Conradh na Gaeilge (*Gaelic League*): 6 Sráid Fhearchair, Dublin; f. 1893; 500 brs.; Pres. CATHAL O'FEINNEADHA; Gen. Sec. DONNCHADH O'SÚILLEABHÁIN; publ. *Feasta, Rose, An t'Ultach* (monthlies); pamphlets; Pocket diary in Gaelic.

College Historical Society (*Student Debating Society*): Trinity College, Dublin; f. 1770; 750 mems.; Auditor M. J. CAMERON; Treasurer H. J. O'NEILL; publ. *Annual Report*.

Deutsches Kulturinstitut: 37 Merrion Square, Dublin 2; f. 1961; Dir. Dr. E. VETTER.

Dublin Literary Society: St. Andrew's Hotel, Exchequer Street, Dublin; Pres. (Vacant); Hon. Sec. D. MELLORY BURKE, B.A., B.E.

Istituto Italiano di Cultura: 11 Fitzwilliam Square, Dublin; Dir Prof. GUIDO BISTOLFI.

Leinster College of Irish: 39 Parnell Square, Dublin; f. 1906; Chair. Prof. AGNES O'FARRELLY, M.A., D.LITT.; Sec. SÉAMUS MAC CATHMHAOIL, M.A.

Library Association of Ireland: 46 Grafton Street, Dublin; f. 1928; Pres. D. CLARKE, F.L.A.I.; Hon. Sec. U. O'BYRNE, F.L.A.I.; publ. *An Leabharlann* (Journal; quarterly).

MEDICINE, DENTISTRY, PHARMACY

Apothecaries' Hall: 95 Merrion Square, Dublin 2; f. 1791; Gov. Dr. R. P. MACMAHON; Deputy Gov. Dr. P. J. DELANEY; Registrar O. K. O'MALLEY, L.R.C.P. & S., Rel. L.A.H., Clerk of Court Mrs. PEGGY KEARNEY, B.COMM.

Dental Board: 57 Merrion Square, Dublin; Pres. THOMAS M. O'GRADY, L.D.S., R.C.S.IREL.; Registrar I. QUIRKE.

Irish Medical Association: 10 Fitzwilliam Place, Dublin; f. 1936; Medical Sec. Dr. NOEL REILLY; Business Sec. T. M. GICK; 2,000 mems.; publ. *Journal* (monthly).

Medical Registration Council: 20 Fitzwilliam Square, Dublin; f. 1927; Pres. EDWARD T. FREEMAN, M.D.; Registrar MARY CAGNEY.

Medical Research Council of Ireland: 50 Merrion Square, Dublin; f. 1937; 9 mems.; Chair. Prof. J. F. CUNNINGHAM, M.D., F.R.C.P.I., F.R.C.O.G.; Hon. Sec. Prof. W. J. E. JESSOP, M.D., M.SC., F.R.C.P.I., F.T.C.D.

Pharmaceutical Society of Ireland: 18 Shrewsbury Road, Ballsbridge, Dublin; f. 1875; Pres. John P. O'DONNELL; Registrar JAMES G. COLEMAN, B.L., M.P.S.I.; publ. *Calendar*.

Royal Academy of Medicine: 6 Kildare Street, Dublin; f. 1882; Pres. DENIS K.O'DONOVAN, M.D., PH.D., F.R.C.P.; Gen. Sec. and Treas. C. DICKSON, M.D., F.R.C.P.I.; 606 Fellows; publ. *Irish Journal of Medical Science* (monthly).

Veterinary Council: 159 Strand Road, Merrion, Dublin; f. 1931; 819 registered names; Registrar A. F. O'DEA, M.V.SC., M.R.C.V.S., D.V.S.M.

PHILOSOPHY

Theosophical Society in Ireland: 31 Pembroke Road, Dublin; f. 1919; Hon. Gen. Sec. Mrs. EVELYN O. HORNIDGE; publ. *Theosophy in Ireland* (quarterly).

University Philosophical Society: Trinity College, Dublin, 2; f. 1853; 535 mems.; Pres. (1965-66) A. R. CLARKE; Sec. N. J. GLASS.

LIBRARIES

There are public libraries in most of the main towns.

Central Catholic Library: 74-75 Merrion Square, Dublin; controlled by the Central Catholic Library Association; open to the public; 50,000 vols., incl. special collection of 2,000 vols. on Christian art; Chief Librarian STEPHEN J. BROWN, S.J.

Chester Beatty Library: Shrewsbury Road, Dublin; transferred from London to Dublin in 1950; papyri, oriental and western MSS and books; Hon. Librarian R. J. HAYES, LL.D.

Cork University Library: University College, Cork; f. 1849; 484,300 vols., including the Arbois de Jubainville, Sharman Crawford, Wilson Memorial, and Sexton collections; Librarian DANIEL O'KEEFFE, M.A.

Dublin Public Libraries: Pearse Street; 534,676 vols.; special collections include early Dublin printing and fine binding, incunabula, 140 vols. on Swift, political pamphlets and cartoons, Dublin periodicals and 18th-century plays, Abbey Theatre material; City Librarian MÁIRÍN O'BYRNE, DIP.LIB., F.L.A.I.

Irish Central Library for Students: 53 Upper Mount Street, Dublin; estab. in 1923 by Carnegie United Kingdom Trust to supplement the resources of public libraries and of the libraries of scientific and cultural organisations, by supplying on loan specialised books of an educational nature; in 1948 the library was presented by the Carnegie United Kingdom Trust as a gift to An Chomhairle Leabharlanna (Library Council), inaugurated in 1948, under the Public Libraries (Ireland) Act of 1947; approx. 45,000 vols.; Librarian (Vacant); Dir. of Library Council DERMOT FOLEY, F.L.A.I.; publ. *Annual Report*.

Law Library: Four Courts, Dublin 7; controlled by the General Council of the Bar of Ireland; open to mems. of the Irish Bar only; 20,000 vols.; Librarian REGINALD A. HARRISON, M.A., LL.B., F.L.A.I.

Marsh's Library: St. Patrick's Close, Dublin; f. 1707; 25,000 vols. and important MSS.; Keeper R. O. DOUGAN, M.A., F.L.A.; publs. catalogues of the MSS. and of early French books, and *An Account of Marsh's Library*.

National Library of Ireland: Kildare Street, Dublin; f. 1877; approx. 500,000 vols.; dept. of prints and drawings, MSS. dept., genealogical office, microfilm and photostat service; Dir. R. J. HAYES, LL.D.

Oireachtas Library: Leinster House, Dublin; selective works of parliamentary interest, the nucleus of which was the Chief Secretary's Office, Dublin Castle; Librarian S. MAC CROSÁIN.

Representative Church Body Library: 52 St. Stephen's Green East, Dublin; theological library controlled by the Representative Body of the Church of Ireland, for use of clerical and lay mems. of the Church of Ireland; 20,000 vols.; historical MSS. of Church of Ireland, including succession of all clergy from the Celtic period to date, Cashel collection of early theology, Watson collection of Prayer Books, Welply collection of genealogical notes; Librarian GERALDINE WILLIS, A.L.A.

Royal Dublin Society Library: Ballsbridge, Dublin; f. 1731; scientific collection of 110,000 vols., general collection of 60,000 vols., and an agricultural collection of 10,000 vols. and pamphlets; Librarian DESMOND J. CLARKE, F.L.A.I.; publ. *List of Accessions*.

St. Patrick's College Library: Maynooth, Co. Kildare; 125,000 vols.; Librarian Rev. Dr. J. CORKERY.

Trinity College Library: Dublin; f. 1951; 900,000 printed books, 3,000 MSS., including the Book of Kells; enjoys copyright privilege; Librarian H. W. PARKE, LITT.D.

University College Library: Main building at Earlsfort Terrace, Dublin; f. 1908; 207,153 vols., including Baron Palles (Law) library, 2,500 vols.; Zimmer (Celtic) library 2,000 vols.; Stopford Green (History) library, 2,000 vols.; Science library (formerly Library of the Royal College of Science) 65,570 vols.; Faculty of Agriculture Library (formerly Library of the Albert Agricultural College) 9,719 vols.; Librarian ELLEN POWER, M.A., F.L.A.

University College Library: Galway; 90,000 vols.; Asst. Librarian CHRISTOPHER J. TOWNLEY, B.A., B.COMM.

MUSEUMS AND ART GALLERIES

Civic Museum: 58 South William Street, Dublin; f. 1953; original exhibits of antiquarian and historical interest pertaining to Dublin; pictures, tapestries, theatre bills, glass and silverwork, coins, newspapers.

Cork Public Museum: Fitzgerald Park, Cork; f. 1945; sections on archæology, recent Irish history and City of Cork; Cork silver, glass and lace; the C. J. Carroll Collection of Birds; copies of the Book of Kells, Book of Lindisfarne and St. Gall Miniatures. Curator SEAMUS O'COIGLIGH.

James Joyce Museum: Martello Tower, Sandycove, Co. Dublin; f. 1962; relics of the writer.

Municipal Gallery of Modern Art: Parnell Square, Dublin; works of American, British, Irish, French and other Continental artists, including Constable, Corot, Degas, Courbet, Ingres, Manet, Millet, Monet, Turner; pictures from the Sir Hugh Lane collection; portraits of Irish men and women; drawings, water-colours, sculpture by Rodin, Dalou, Epstein, Maillol, Henry Moore, etc.; Curator ETHNA M. WALDRON.

National Gallery of Ireland: Merrion Street, Dublin; f. 1864 national, historical and portrait galleries; British, Italian, Dutch and other European masters since 1300; Dir. JAMES WHITE.

National Museum of Ireland: Kildare Street, Dublin 2; f. 1731 by Royal Dublin Society; admin. under Dept. of Education; includes (1) Irish Antiquities Division (Keeper J. RAFTERY, DR.PHIL.); (2) Art and Industrial Division (Keeper W. O'SULLIVAN, D.SC.(ECON.)); (3) Natural History Division, which includes zoological, botanical and geological sections (Keeper J. S. JACKSON, M.A., PH.D.); Dir. A. T. LUCAS, D.LITT.

Royal College of Surgeons' Library and Museum: St. Stephen's Green, Dublin; Library f. 1788, Museum f. 1820; over 25,000 vols., including the leading periodicals in European languages, Government Reports, etc.; the museum contains dissected anatomical preparations, casts of heads of various races of man, collection of old surgical instruments, etc.; Hon. Librarian T. G. WILSON, F.R.C.S.I., LITT.D.; Librarian J. D. H. WIDDESS, M.A., L.R.C.P. and S.I., LITT.D.; Curator P. D. HOLLAND, F.R.C.P.I.

UNIVERSITIES AND COLLEGES

UNIVERSITY OF DUBLIN TRINITY COLLEGE

DUBLIN 2

Telephone: Dublin 72941.

Founded 1591.

Chancellor: F. H. Boland, ll.d.
Provost: Dr. A. J. McConnell.
Bursar: Dr. F. B. Chubb.
Registrar: G. F. Mitchell.
Librarian: F. J. E. Hurst.

Teaching staff: 265.

Number of students: 2,131 men, 1,023 women, total 3,154.

Publication: *Hermathena* (Editor Prof. E. J. Furlong).

Dean:

School of Physic (Medicine): Prof. W. J. E. Jessop.

Professors:

School of Natural Sciences:
Chisholm, J. S. R., Applied Mathematics
Cocker, W., Chemistry
Dital, G. A., Pure Mathematics
Grainger, J. N. R., Zoology
Hudson, R. G. S., Geology
Pepper, D. C., Physical Chemistry
Poole, J. H. J., Geophysics
Walton, E. T. S., Physics
Webb, D. A., Botany

Schools in Arts:
Arnould, E. J., French
Chubb, F. B., Political Science
Duncan, G. A., Political Economy
Edwards, P. W., English
Furlong, E. J. J., Moral Philosophy
Greene, D. W., Irish
Johnston, J., Applied Economics
Luce, A. A., Metaphysics
Moody, T. W., History
Otway-Ruthven, Annette J., History
Parke, H. W., Ancient History
Stanford, W. B., Greek
Weingreen, J., Hebrew
Wormell, D. E. W., Latin

School of Divinity:
Brown, Rev. J. S., Pastoral Theology
Quin, Rev. C. W. C., Biblical Greek
Vokes, Rev. F. E., Divinity
Woodhouse, Rev. H. F., d.d., Divinity—Regius

School of Law:
Cole, J. S. R.
Morton, J. B.

School of Medicine:
Erskine, C. A., Anatomy
Fleming, J. B., Midwifery
Gatenby, P. B. B., Clinical Medicine
Henry, R. F. J., Clinical Surgery
Jessop, W. J. E., Social Medicine
McCaughey, W. T. E.
Micks, R. H., Materia Medica
O'Meara, R. A. Q., Experimental Medicine
Pringle, J. S. M., Surgery
Spencer, B., Biochemistry
Steen, R. R., Pædiatrics
Stewart, F. S., Bacteriology
Synge, V. M., Medicine
Torrens, D. S., Physiology

School of Veterinary Medicine:
Baxter, J. T., Clinical Veterinary Practice
Nicholson, J. A., Pre-Clinical Veterinary Science
Sleith, F. St. G., Clinical Veterinary Science

School of Music:
Boydell, B. P.

School of Education:
Crawford, E. A.

School of Engineering:
Wright, W.

Heads of Departments (Non-Professorial):

Genetics: G. W. P. Dawson.
German: L. H. C. Thomas.
Geography: J. P. Haughton.
Italian: G. H. McWilliam.
Psychology: Dr. D. W. Forrest.
Spanish: E. C. Riley.
Russian: Winifred MacBride.

NATIONAL UNIVERSITY OF IRELAND

49 MERRION SQUARE, DUBLIN

Telephone: 67246-7.

Telegraphic Address: Natuniv, Dublin.

Founded 1909.

Chancellor: É. de Valéra, ph.d., ll.d., sc.d., Uachtarán nah Éireann.
Vice-Chancellor: M. Tierney, k.s.g., m.a., d.litt.
Registrar: S. Wilmot, ll.d.

The University has three constituent Colleges—the University Colleges of Dublin, Cork and Galway—and a Recognised College—St. Patrick's, Maynooth.

Publications: *Calendar, Graduate and Sessional Lists.*

University College

EARLSFORT TERRACE, DUBLIN

Telephone: 52116.

Founded 1909.

President: J. J. Hohan, k.s.s., m.a. (oxon.).
Secretary and Bursar: J. P. MacHale, m.comm., a.c.a.
Registrar: (Vacant).

Number of teachers: 254.

Number of students: 4,170 men, 1,604 women, total 5,774.

Publication: *Calendar.*

Deans:

Faculty of Arts: Prof. J. J. Tierney, m.a.
Faculty of Philosophy: Rt. Rev. Monsignor J. D. Horgan, m.a., d.d., ph.d.
Faculty of Celtic Studies: Rev. Prof. J. Ryan, s.j., m.a., d.litt.
Faculty of Science: Prof. T. S. Wheeler, d.sc., ph.d., f.r.c.sc.i.
Faculty of Law: Prof. W. D. Finlay, s.c.
Faculty of Medicine: Prof. T. Murphy, m.b., b.a.o., d.p.h.
Faculty of Commerce: Prof. J. F. Meenan, m.a., f.r.econ.s., bar.-at-law.
Faculty of Engineering and Architecture: Prof. M. A. Hogan, d.sc., ph.d., d.i.c.
Faculty of General Agriculture: J. Carroll, d.sc.
Faculty of Veterinary Science: Prof. P. A. McGeady, m.vet.sc., m.r.c.v.s.

Professors:

Faculty of Arts:
Bieler, L., d.phil., Palæography and Late Latin
Cunningham, Kathleen, m.a., ph.d., German
Dunning, Rev. T. P., c.m., m.a., ph.d., Old and Middle English
Hogan, J. J., k.s.s., m.a., English
Hughes, A. G., d.mus., l.r.i.a.m., Music
Jones Hughes, T., m.a., Geography
McBride, P. P., m.a., h.dip. in ed., dr. en l., Italian and Spanish
Mac Cana, P., Welsh
Martin, Rev. F. X., o.s.a., l.ph., m.a., ph.d., Medieval History
O'Meara, J. J., m.a., d.phil., Latin
Roche, L. P., m.a., d.ès.l., h.dip. in ed., French and Romance Philology
Ryan, Rev. D., m.a., s.t.l., l.s.s., Eastern Languages
Tierney, J. J., m.a., m.r.i.a., Greek
Williams, T. D., m.a., Modern History
(Vacant—Linguistics)

Faculty of Philosophy:
Horgan, Rt. Rev. Monsignor J. D., m.a., d.d., ph.d., Metaphysics
Martin, Rev. C. J., m.a., d.phil., Ethics and Politics
O'Doherty, Rev. E. F., m.a., ph.d., Logic and Psychology

Faculty of Celtic Stuides:
De Bhaldraithe, T., m.a., ph.d., d.litt., Modern Irish Language and Literature
Delargy, J. H., m.a., d.litt., Irish Folklore
De Valéra, R., m.a., ph.d., Celtic Archæology
Edwards, R. W. D., m.a., ph.d., d.litt., f.r.hist.s., d.litt., Modern Irish History
Ó Cuív, B., m.a., d.litt., m.r.i.a., Classical Irish Language and Literature
Ryan, Rev. J., s.j., m.a., d.litt., Early and Medieval Irish History
Shaw, Rev. F. J., s.j., m.a., Early and Medieval Irish

Faculty of Science:
Brindley, J.C., d.sc., f.g.s., Geology
Brown, D. A., ph.d., Electron Physics
Clinch, Phyllis E. M., ph.d., d.sc., Botany
Conway, E. J., d.sc., m.d., f.r.s., f.r.c.p.i., Biochemistry and Pharmacology
Gormley, P. G., m.a., ph.d., Mathematics
Humphries, C. F., ph.d., d.sc., Zoology
Keating, G. R., m.sc., Mathematical Physics
Küster, Dr. E., Industrial Microbiology
Nevin, T. E., d.sc., Experimental Physics
Nolan, P. J., d.sc., ph.d., Geophysics
Philbin, Eva M., d.sc., Organic Chemistry
Porter, N. A., ph.d., m.r.i.a., Inorganic Chemistry

Faculty of Law:
Ehler, S., dr.jur., International Law and International Relations
Finlay, W. D., s.c., Law of Contract, Tort and Evidence

KENNY, K. M., LL.B., S.C., Law of Property and Equity
O'HANLON, R. J., B.A., BARRISTER-AT-LAW, Constitutional Law and Criminal Law and Procedure
(Vacant—Roman Law, Jurisprudence and Legal History)

Faculty of Medicine:
CANNON, P. J., M.B., B.A.O., M.SC., Pharmacology
COAKLEY, J. B., M.D., B.O.A., M.SC., Anatomy
COUNIHAN, T. B., M.D., M.R.C.P., Medicine
DE VALÉRA, E., M.D., M.A.O., F.R.C.I.P., Midwifery and Gynæcology
DUNKIN, F. J., M.B., B.CH., B.A.O., B.D.S., Dental Surgery
DUNNE, J., M.D., D.P.M., D.P.H., Psychiatry
FITZGERALD, P. A., M.D., M.CH., M.SC., Surgery
FITZGERALD, O., M.D., M.SC., Therapeutics
GERAGHTY, J. A., M.D., D.M.R.E., Radiology
HARMAN, J. W., M.D., M.SC., F.C.A.P., Pathology
HICKEY, M. D., M.D., M.SC., D.PH., F.R.C.P.I., Forensic Medicine
LAVERY, F. J., M.D., M.CH., D.O.M.S., Ophthalmology
McCARTHY, E. F., M.D., B.A.O., M.SC., Physiology Research Professorship
MEENAN, P. N., M.D., BARRISTER-AT-LAW Microbiology as applied to Medicine
MURPHY, T., M.B., B.CH., B.A.O., D.P.H., B.SC.P.H., Social and Preventive Medicine
O'DOHERTY, E., M.B., M.CH., B.A.O., Oto-Rhino-Laryngology
O'DONOVAN, D. K., M.D., M.SC., PH.D., Medicine
O'MALLEY, E., M.CH., F.R.C.S.I., Surgery
SAUNDERS, C. P. M., M.B., B.CH., B.A.O., Pædiatrics
TIMONEY, R. F., PH.D., L.P.S.I., Pharmacy
(Vacant—Physiology and Histology)

Faculty of Commerce:
MEENAN, J. F., M.A., F.R.ECON.SC., BARRISTER-AT-LAW, Political Economy and National Economics of Ireland
O'BRIEN, G. W., M.A., F.C.A., Accountancy

Faculty of Engineering and Architecture:
FITZGERALD, D. P. J. M., B.ARCH., F.R.I.A.I., F.R.I.B.A., A.M.T.P.I., Architecture
HOGAN, M. A., D.SC., PH.D., D.I.C., Civil Engineering
LEAHY, P., M.E., PH.D., A.M.I.MECH.E., M.I.C.E.I., Mechanical Engineering
MORRISSEY, J. J., M.E., M.A., M.I.C.E.I., M.I.E.E., Electrical Engineering
O'DONNELL, J. P., M.E., A.M.I.MECH.E., A.M.I.C.E.I., A.M.I.CHEM.E., Chemical Engineering

Faculty of General Agriculture:
CARROLL, J., D.SC., D.I.C., Agricultural Zoology
CLARKE, E., PH.D., Horticulture
CLEAR, T., B.AGR.SC., Forestry
MCALEESE, D. M., M.A., PH.D., Agricultural Chemistry
O'CALLAGHAN, J. R., M.SC., A.M.I.MECH.E., A.M.I.C.E.I., Agricultural Engineering
RUANE, J. B., M.AGR.SC., PH.D., Farm Management

Faculty of Veterinary Medicine:
COLLERY, L., PH.D., M.R.C.V.S., Veterinary Anatomy
KELLY, W. R., M.V.M., M.R.C.V.S., Veterinary Medicine, Pharmacology and Food Hygiene
MCALEER, W. B., PH.D., M.R.C.V.S., D.V.S.M., Veterinary Physiology and Biochemistry
MCGEADY, P. A., M.VET.SC., M.R.C.V.S., Veterinary Surgery, Obstetrics and Infertility
MULLANEY, P. E., M.V.M., M.R.C.V.S., Veterinary Pathology, Bacteriology and Parasitology
O'CONNOR, J. D., M.R.C.V.S., Veterinary Hygiene and Animal Husbandry

University College
CORK

Telephone: Cork 21371

Founded 1845 as Queen's College, Cork. Changed to above in 1908.

President: J. J. MCHENRY, M.A., D.SC., F.INST.P., M.R.I.A.
Registrar: Prof. T. Ó CIARDHA, M.A., PH.D.
Secretary and Bursar: D. L. WHYTE, B.A., B.COMM.
Librarian: D. O'KEEFFE, M.A.

Number of teachers: 270.

Number of students: 1,554 men, 615 women, total 2,169.

Publications: Many and various through the Cork University Press.

DEANS:

Faculty of Arts: Prof. S. PENDER, M.A.
Faculty of Celtic Studies: Prof. S. CAOMHÁNACH, M.A., PH.D.
Faculty of Commerce: D. P. O'MAHONY, M.A., PH.D.
Faculty of Law: Prof. E. RYAN, M.A., B.L.
Faculty of Science: Prof. O. M. ROBERTS, M.SC., PH.D.
Faculty of Dairy Science: F. A. MCGRATH, B.E., A.M.I.E.E., A.M.I.C.E.I.
Faculty of Engineering: Prof. P. COFFEY, M.E., M.INST.C.E.I.
Faculty of Medicine: Prof. P. KIELY, B.SC., M.D., M.CH., F.R.C.S.(ENG.).

PROFESSORS:

Faculties of Arts and Celtic Studies:
BARRY, J. G., M.A., PH.D., Medieval History
BOYLE, Mrs. MARY, M.A., German
BREATNACH, R. A., M.A., Irish Language and Literature
BYRNE-COSTIGAN, Mrs. ETHNA, M.A., D.ÈS.L., Romance Languages
CAOMHÁNACH, S., M.A., PH.D., Celtic Languages and Philology
DEMPSEY, Rev. P., M.A., PH.D., D.D., L.S.S., F.B.PS.S., Applied Psychology
FLEISCHMANN, A. G., M.A., D.MUS., Music
FOGARTY, J. P., M.A., PH.D., Ancient Classics
GOOD, Rev. J., D.D., D.PH., Theology
MACCARTHY, Miss BRIDGET, G., M.A. PH.D., H.DIP. IN ED., English
O'CONNELL, C. S., M.A., Geography
O CUILLEANÁIN, C., M.A., PH.D., History of Modern Irish Literature
O'KELLY, M. J., M.A., D.LITT., Archæology
O'MAHONY, Rev. B. E., M.A., PH.D., Philosophy
PENDER, S., M.A., Irish History
WARE, N. J., M.A., PH.D., Spanish
(Vacant—Education, Modern History)

Faculty of Commerce:
O'MAHONY, D. P., M.A., PH.D., Economics

Faculty of Law:
MURPHY, B. J., B.A., LL.B., Jurisprudence, Roman Law, Personal Property
RYAN, E., M.A., Common Law, Real Property, Equity

Faculty of Science:
BARRY, P. D., M.SC., PH.D., D.I.C., Mathematics
BRADY, T. G., M.SC., PH.D., Biochemistry
FAHY, E. F., M.SC., PH.D., Experimental Physics
Ó CIARDHA, T., M.A., PH.D., Statistics
O'ROURKE, F. J., M.SC., PH.D., D.SC., Zoology
QUINLAN, P. M., M.SC., PH.D., Mathematical Physics
ROBERTS, O. M., M.SC., PH.D., Botany
SCOTT, F. L., D.SC., PH.D., F.R.I.C., Chemistry
TEEGAN, J. P., M.SC., PH.D., Chemical Spectroscopy

Faculty of Dairy Science:
MCGRATH, F. A., B.E., A.M.I.E.E., Diary Engineering
MURPHY, M., M.A., Dairy Accounting and Economics
O'MULLANE, T., M.SC., Dairy and Food Microbiology
O'SHEA, M. J., M.SC., PH.D., Dairy Technology
PYNE, G. T., M.SC., A.R.C.SC.I., F.R.I.C., PH.D., Dairy Chemistry
RAFTERY, T. F., M.AGR.SC., Agriculture

Faculty of Engineering:
COFFEY, P., M.E., Civil Engineering
DILLON, C. T. G., M.E., M.I.E.E., Electrical Engineering
DILLON, E. C., M.E., PH.D., Concrete Technology
DOOGE, J. C. I., M.E., M.SC., Civil Engineering

Faculty of Medicine:
BARRETT, B. E., M.A., F.D.S.R.C.S. Conservative Dentistry
HEGARTY, Mrs. MARY, B.D.S., F.D.S.R.C.S., D.ORTH., Orthodontics
KEARNEY, W., M.D., M.A.O., F.R.C.O.G., Obstetrics and Gynæcology
KIELY, P., B.SC., M.CH., M.D., F.R.C.S., Surgery
MACCONAILL, M. A., M.A., B.A.O., D.SC., Anatomy
O'SULLIVAN, D. J., M.D., M.R.C.P., Medicine
RUSSELL, J. G., M.B., B.D.S., F.D.S.R.C.S., Dental Surgery
SHEEHAN, J. D., M.D., M.R.C.P., Physiology
(Vacant—Dental Prosthetics, Pathology)

University College
GALWAY

Telephone: 2408

Founded 1845 as Queen's College, Galway. Changed to above in 1908.

President: M. Ó TWÚTHAIL, D.SC.
Secretary and Registrar: Prof. J. MITCHELL, B.SC., B.E., F.G.S.
Bursar: Prof. P. LARKIN, B.A., H.DIP. IN ED.

Number of teachers: 122.

Number of students: 1,092 men, 492 women, total 1,584.

DEANS:

Faculty of Arts: Prof. J. MURPHY, M.A., PH.D.
Faculty of Celtic Studies: Prof. T. Ó. MÁILLE, PH.D.
Faculty of Science: Prof. C. Ó. BROLCHÁIN, M.SC., PH.D.

Faculty of Law: Prof. P. J. GALLAGHER, B.A., LL.B.
Faculty of Medicine: Prof. S. SHEA, M.D.
Faculty of Engineering: Prof. D. Ó CAOIMH, PH.D.
Faculty of Commerce: Prof. L. Ó BUACHALLA, M.COMM., H.DIP.ED.

PROFESSORS:

Faculty of Arts and Celtic Studies:
DUIGNAN, M. V., M.A., H.DIP. IN ED., Celtic Archæology
HAYES-MCCOY, G. A., M.A., PH.D., D.LITT., History
LARKIN, P., B.A., H.DIP. IN ED., Education
MAC GIOLLARNÁTH, P., M.A., Romance Languages
MURPHY, J., M.A., PH.D., English Language and Literature
NÍ ÉIMHIGH, M., M.A., Ancient Classics
NÍ MAOL-CHROIN CAITILIN, M.A., D.PHIL., H.DIP. IN ED., Old and Middle Irish and Celtic Philology
Ó MÁILLE, T., PH.D., Modern Irish
RABBITTE, Rev. Fr. E., O.F.M., D.D., PH.D., Philosophy
SHEA, Mrs. MARGARET M., M.A., German

Faculty of Science:
COLL, F. J., D.SC., PH.D., Chemistry
FLAVIN, J. N., M.SC., PH.D., Mathematical Physics
MITCHELL, J., B.SC., B.E., F.G.S., Geology, Mineralogy and Geography
Ó BROLCHÁIN, C., M.SC., PH.D., Experimental Physics
ÓH EOCHA, C., M.SC., PH.D., H.DIP.ED., Biochemistry
TÓIBÍN, S. S., M.SC., PH.D., Mathematics

Faculty of Law:
GALLAGHER, P. J., B.A., LL.B., Law and Jurisprudence and Commercial Law

Faculty of Medicine:
BURNS, J. K., PH.D., Physiology
FOLAN, M. E., M.SC., M.B., B.CH., B.A.O., Bacteriology
KENNEDY, J. D., M.D., M.SC., M.R.C.P.I., Pathology
LAVELLE, J. M., M.D., Experimental Medicine and Practical Pharmacology
MACDERMOTT, E. N., M.D., M.CH., F.R.C.S.I., Therapeutics, Pharmacology and Materia Medica
Ó BEIRN, S. F., M.CH., F.R.C.S.I., Surgery
Ó CÉIDIGH, P., M.SC., PH.D., Zoology
O'DONNELL, M. J., M.D., F.R.C.P.I., Medicine
O'DWYER, E. M., M.B., M.A.O., M.A.C.O.G., Gynæcology and Obstetrics
SHEA, S., M.D., B.A.O., Anatomy
DE VALÉRA, M., M.SC., PH.D., Botany

Faculty of Commerce:
Ó BUACHALLA, L., M.COMM., Economics, Commerce and Accountancy

Faculty of Engineering:
Ó CAOIMH, S. D., PH.D., Civil Engineering

ST. PATRICK'S COLLEGE

MAYNOOTH, CO. KILDARE

Telephone: 261.

Founded 1795.

Recognised College of the National University. A major seminary for the education of priests for all the Dioceses of Ireland. A Pontifical University and a recognised college of the National University of Ireland.

President: Right Rev. Mgr. G. MITCHELL, D.D.
Vice-President: Very Rev. Canon P. J. HAMELL, D.D.
Secretary: Rev. T. FINNEGAN, B.A., D.C.L.
Bursar: Rev. J. COSGROVE, B.A., B.D.
Librarian: Rev. J. CORKERY, M.A., S.T.L., F.L.A.I.

Number of teachers: 45.
Number of students: 570 men.

Publications: *Irish Ecclesiastical Record* (monthly), *Christus Rex* (a quarterly journal of sociology), *Irish Theological Quarterly*, *The Furrow* (monthly), *Philosophical Studies* (annual), *Archivium Hibernicum* (annual), *An Sagart* (quarterly in Irish).

DEANS:

Rev. M. HARTY, B.A., B.D., L.C.L.
Rev. P. MULDOON, D.D.
Rev. T. FINNEGAN, B.A., D.C.L.

DUBLIN INSTITUTE FOR ADVANCED STUDIES

9-10 BURLINGTON ROAD, DUBLIN 4

Founded 1940.

Chairman of Council: E. J. CONWAY, D.SC., M.D., B.CH., B.A.O., F.R.S.
Registrar: Miss PATRICIA O'NEILL.

Comprising:

School of Celtic Studies.
Chairman: Rt. Rev. Mgr. P. BOYLAN, P.P., V.G., M.A., D.D., D.LITT.

SENIOR PROFESSORS:
BINCHY, D. A., M.A., PH.D.
DILLON, M., M.A., PH.D.

School of Theoretical Physics.
Chairman: Prof. F. E. W. HACKETT, M.A., M.SC., PH.D.

SENIOR PROFESSORS:
LANCZOS, C., PH.D.
SYNGE, J. L., M.A., SC.D.

School of Cosmic Physics.
Chairman: Prof. J. H. J. POOLE, M.A., B.A.I., SC.D.

SENIOR PROFESSORS:
Ó CEALLAIGH, C., PH.D.
MURPHY, T., M.SC.
WAYMAN, P. A., PH.D.

ROYAL COLLEGE OF PHYSICIANS OF IRELAND

KILDARE STREET, DUBLIN

Incorporated 1667, re-incorporated 1692

President: B. PRINGLE, M.D., F.R.C.P.
Vice-President: W. J. E. JESSOP, M.SC., M.D., F.R.C.P.
Registrar: C. DICKSON, M.D., F.R.C.P.I.
2 King's Professors.

Number of Fellows: 152.

KING'S PROFESSORS:
DAVIDSON, A. H., M.D., Midwifery
MICKS, R. H., M.D., Materia Medica and Pharmacy

ROYAL COLLEGE OF SURGEONS

123 ST. STEPHEN'S GREEN, DUBLIN

Founded 1784.

President: T. MILLIN.
Vice-President: E. N. MACDERMOTT.
Hon. Secretary: T. G. WILSON.
Librarian: Prof. J. D. H. WIDDESS.
Registrar: Dr. H. O. FLANAGAN.

Number of teachers: 56.
Number of students: 600.

Faculty of Anæsthetics: Dr. WOODCOCK.
Faculty of Dentistry: Dr. R. DOCKRELL, B.D.S.

PROFESSORS:
ABRAHAMSON, M., M.D., F.R.C.P.I., Pharmacology
BEWLEY, G., M.D., F.R.C.P.I., F.R.C.S.I., D.P.H., Preventive Medicine and Medical Jurisprudence
BYRNES, C., F.R.C.S.I., L.R.C.P. & L.M., F.A.C.S., Surgery
DAVIDSON, A. H., M.D., F.R.C.P.I., F.C.O.G., Midwifery and Gynæcology
DUNDON, S., M.D., F.R.C.P.I., D.CH., Pædiatrics
GAFFNEY, E., M.SC., PH.D., Chemistry and Physics
HOLLAND, P. D. J., F.R.C.P.I., Pathology
IRVINE, G. M., M.D.(DUB.), F.R.C.S.ED., Anatomy
KANE, F., M.B., D.P.H., M.D., Physiology and Histology
THOMSON, A., M.SC., M.D., F.R.C.P.I., M.R.C.P., F.R.A.M.I., Medicine
WIDDESS, J. D. H., B.A., L.R.C.P. AND S.I., Biology

THE VETERINARY COLLEGE OF IRELAND

PEMBROKE ROAD, DUBLIN 4

Founded 1895.

The property of the College is vested in the State. Premises, equipment, clinical and field facilities are used by University College, Dublin, and Trinity College, Dublin, to teach Veterinary Medicine and Surgery.

Administrator: B. O'HERLIHY.

SCHOOLS OF ART AND MUSIC

NATIONAL COLLEGE OF ART

KILDARE STREET, DUBLIN

Controlled by the Department of Education; Schools of Design, Painting, Sculpture, and Preliminary School.

Principal: M. BURKE.

ROYAL IRISH ACADEMY OF MUSIC

WESTLAND ROW, DUBLIN

Founded 1856, incorporated 1889.

Chairman of Board of Studies: A. J. POTTER, MUS.D., L.R.A.M., A.R.C.M.
Secretary: J. CALLERY.

PROFESSORS:
BOGNUDA, C.
BRODERICK, RITA, B.MUS., L.R.A.M.
COPEMAN, DINA, L.R.A.M.
HEWSON, G. H. P., M.A., MUS.D., F.R.C.O.
JABLONSKI, H.
LORD, NANCIE
MARSHALL, RHONA, L.R.A.M.
POTTER, A. J., MUS.D., L.R.A.M., A.R.C.M.
STOKES, DOROTHY, L.R.A.M.
THÖNER, M.
VIANI, Maestro Cav. A., F.R.I.A.M.
WEAVING, T. H., F.R.I.A.M.
WHITE, URSULA, B.A., H.DIP.ED., N.U.I.

ISRAEL

Population 2,507,200

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Academic Circle of Tel-Aviv: P.O. Box 2425, Tel-Aviv; f. 1956 to encourage all branches of scientific research and to promote co-operation between scientists in Israel and abroad; Pres. MOSHE T. HURVITZ.

Academy of the Hebrew Language: P.O. Box 1033, Jerusalem, and P.O. Box 7105, Tel-Aviv; f. 1953 by Academy Law of the Knesset; studies the vocabulary, structure and history of the Hebrew language and officially directs its future development; is compiling an historical dictionary of the Hebrew language; Pres. Prof. N. H. TUR-SINAI; publs. *Zikhronot, Leshonenu, Lesonenu La'am,* studies, dictionaries.

ACUM Ltd. (Authors', Composers' and Music Publishers' Society): Acum House, 118-120 Rothschild Blvd., Tel-Aviv (P.O. Box 11201); f. 1936; 650 members; Dir.-Gen. M. AVIDOM, F.I.A.L.

Architectural Association of Israel: P.O. Box 2425, Tel-Aviv; f. 1952; aims to secure and define the legal and professional status of architects and to promote planning education; offers its members an information service on all planning matters; Pres. Arch. JOSEPH HURVITZ; Sec. S. D. H. KRISS.

Association for the Advancement of Science in Israel: P.O. Box 19, Nes-Ziyyona; f. 1953; 1,950 mems.; Chair. Prof. E. D. BERGMANN; Sec. Dr. A. KOHN; publ. *Proceedings of Congress of Scientific Societies.*

Association of Engineers and Architects in Israel: 200 Dizengoff Road, Tel-Aviv; f. 1922; brs. Jerusalem, Haifa, Nathanya, Beersheba; 4,500 mems.; Chair. Arch. ARIEH SHARON; library: *see* "Libraries"; publ. *Journal* (bi-monthly), *Bulletin* (monthly).

Association of Hebrew Writers: P.O. Box 4151, Tel-Aviv; publ. *Moznayim* (monthly).

Association of Religious Writers: Jerusalem, P.O.B. 7031; f. 1936; Pres. Rabbi S. Y. ZEVIN; Chair. Rabbi Dr. ZVI HARKAVY; publs. periodicals, literary collections, books.

The Ben-Zvi Institute: The Hebrew University, Jerusalem; f. 1948; sponsors research in the history of Jewish communities from the end of the Middle Ages to the present day; maintains a large collection of MSS. and other historical documents and photographic reproductions from the archives of libraries all over the world; Dir. MEIR BENAYAHU; publs. numerous books and documents.

Biochemical Society of Israel: c/o Hebrew University, Jerusalem; f. 1958; 130 mems.; Chair. M. SELA, PH.D.; Sec. Y. BIRK, PH.D.

Botanical Society of Israel: c/o The Hebrew University, Jerusalem; aims to promote the advancement of the fundamental and applied branches of botanical science; conducts research, organises lectures and field work; Pres. J. LORCH; Sec. M. LITVAK.

British Council: 13 Idelson Street, P.O. Box 3302, Tel-Aviv; Rep. N. SUTCLIFFE; libraries in Tel-Aviv (16,000 vols.), Jerusalem, Terra Sancta College (11,000 vols.) and Haifa, Rothschild Community Centre (4,000 vols.).

Central Institute for Cultural Relations with Ibero-America, Spain and Portugal: Jerusalem.

Department of Antiquities and Museums (Ministry of Education and Culture): 25 Rehov Shelomo Hamelekh, P.O.B. 586, Jerusalem; f. 1948; engages in archaeological excavations and surveys, inspection and preservation of antiquities and ancient sites, scientific publications. *See also* Archaeological Museum, Research Archives and Library of the Dept. of Antiquities. Dir. of Antiquities Dr. A. BIRAN.

Geophysical Institute of Israel: P.O.B. 120, Azor; f. 1957; activities devoted chiefly to the exploration of petroleum, water and mineral resources to engineering studies in Israel and abroad; Dir. A. RIVLIN.

The Harry Fischel Institute for Research in Talmud and Jewish Law: Israel Aharon Fischel Street, Jerusalem; f. 1932; seminary for Rabbis and Rabbinical Judges; legislation and research publications; codification of Jewish law; Jewish adult education centre; Pres. Rabbi Dr. HERBERT S. GOLDSTEIN; Dir. Rabbi SHEAR-YASHUV COHEN, M.JUR.ADV.

Hechal Shlomo (Seat of Chief Rabbinate): King George St., Jerusalem; f. 1958; centre for Rabbinic Research and religious information; contains Central Rabbinical Library of Israel, museum and Rabbinical Law Courts; Hechal Shlomo is governed by a Committee which includes Rabbi YITZCHAK NISSIM, the Chief Rabbi of Israel; Dir. M. A. JAFFE, LL.B.

Historical Society of Israel, The: P.O. Box 1062, Jerusalem; f. 1925 to promote the study of Jewish history and general history; 850 mems.; Pres. Prof. B. DINUR; publ. *Zion* (quarterly), containing summaries in English.

Independent Biological Laboratories: Kefar-Malal, P.O. Box Ramatayim; f. as a private institution 1929; has established a number of research stations in order to investigate the effect of environmental factors on plant and animal life; collections in the laboratories include 1,500 slides of insects and 1,000 specimens of the flora and fauna from the Mediterranean tidal zone; library of 80,000 vols. and pamphlets, regularly receiving 600 periodicals; Dir. and Owner Dr. JOSEPH CARMIN; publs. *Bulletin* (in English), books on biological research in Hebrew.

Institut Français: 70 Hayarkon Street, Tel-Aviv.

Israel Academy of Sciences and Humanities: P.O.B. 4040, Jerusalem; f. 1959; promotes work in the sciences and humanities, advises the government on scientific problems, maintains international contacts; 46 mems.; Pres. Prof. A. KATZIR-KATCHALSKY; Vice-Pres. Prof. G. SCHOLEM; Chair. Sciences Section Prof. A. DVORETSKY; Chair. Humanities Section Prof. E. E. URBACH; publ. *Proceedings* and occasional publications.

Israel-American Institute of Biblical Studies: Rehov Haneviim 55, Jerusalem.

Israel Artists' Association: Jerusalem Artists' House, King David Road (P.O. Box 260), Jerusalem; f. 1948; holds exhibitions of members' works; 400 mems.; Dir. ISIDOR ASCHHEIM.

Israel Association of Archaeologists: P.O. Box 586, Jerusalem; f. 1955; a professional organisation; Chair. Prof. M. Avi-Yonah.

Israel Astronautical Society: c/o Faculty of Aeronautical Engineering, Technion-Israel Institute of Technology, Technion City, Haifa; f. 1958; observations at the satellite moon-watching station; 90 mems.; Pres. J. Mass; Sec. E. Spiegler.

Israel Atomic Energy Commission: P.O. Box 7056, Ha-Qirya, Tel Aviv; f. 1952; Chair. E. D. Bergmann, ph.d.

Israel Bar Association: P.O. Box 1881, Tel-Aviv; 3,200 mems.; Pres. J. Rotenstreich; Sec.-Gen. Shmuel M. Tamir (Katzenelson); Exec. Dir. M. Szatmary; publ. *Hapraklit* (quarterly).

Israel Chemical Society: 30 Yehuda Halevy St., Tel Aviv; a scientific and professional association; holds two conventions each year and organises lectures and symposia in various parts of Israel; the society represents Israel in the International Union of Pure and Applied Chemistry; Chair. Exec. Council Dr. Herbert Bernstein; Gen. Sec. Dr. I. Blank.

Israel Exploration Society: 3, Shemuel ha- Nagid Street, P.O. Box 7041, Jerusalem; f. 1913; aims: (*a*) to engage in excavations and allied research into the history and geography of Israel; (*b*) to publish the results of such research; (*c*) to educate the public in these matters by means of congresses, general meetings, etc.; 2,000 mems.; Chair. of Exec. Cttee. Prof. Y. Yadin; Pres. Prof. B. Mazar; Hon. Sec. J. Aviram; publs. *Erez Yisrael* (Hebrew annual), *The Bulletin of the Israel Exploration Society* (Hebrew quarterly), *Israel Exploration Journal* (English quarterly).

Israel Geographical Society: c/o Dept. of Geography; Hebrew University, Jerusalem; f. 1961; 200 mems.; Pres. Prof. D. H. K. Amiran; Sec. Dr. S. Reichman; publ. *Alon Geography*.

Israel Geological Society: P.O.B. 1239, Jerusalem; f. 1954; 200 mems.; Pres. R. Freund, ph.d.; Sec. Y. Langozky, m.sc.; publ. *Bulletin*.

Israel Gerontological Society: P.O. Box 11243, Tel-Aviv; f. 1958; 120 mems.; Chair. Dr. M. Wasser; publ. *Senior Citizen* (quarterly).

Israel Institute for Biological Research: P.O.B. 19, Ness Ziona; f. 1952; both basic and applied research in public health and preventive medicine; library of 40,000 vols.; Scientific Dir. R. A. Goldwasser, ph.d.; publ. *Biology Conference*.

Israel Institute of Applied Social Research: 19 George Washington Street, Jerusalem; conducts research in social psychology and related fields; Scientific Dir. Louis Guttman; Exec. Dir. Uriel G. Foa.

Israel Institute of Productivity: Citrus House, P.O.B. 14102, Tel-Aviv; publs. *Hamif'al*, *Productivity in Israel*, *Eichut*, etc.

Israel Library Association: P.O.B. 7067, Jerusalem; f. 1952; professional and examining body; Chair. Dr. C. Wormann; Sec. M. Z. Barkay, m.a.; publs. *Yad la-koré* (*The Reader's Aid*), *Information Bulletin*.

Israel Mathematical Union: Dept. of Applied Mathematics, The Weizmann Institute of Science, Rehovot; f. 1953; 220 mems.; Chair. Prof. J. Gillis; Sec. Prof. Z. Alterman; publ. *Yediot Haigud Lematematika be Israel*.

Israel Medical Association: Central Committee, Iben Gevirol Street 49, Tel-Aviv; f. 1912; 18 brs. in Israel; 5,000 mems. in Israel, 4,000 mems. abroad; Chair. Dr. J. Kaplinsky; publs. *Harefuh*, *Mikhtav*, *Lekhaver* (fortnightly in Hebrew), *Israel Medical Journal* (bi-monthly in English), *Quarterly Review* (English), *Bulletin de L'A.M.I.* (French), *Israel Journal of Medical Science*.

Israel Oriental Society, The: The Hebrew University, Jerusalem; f. 1949; aims to promote interest in and knowledge of life in the Middle East, Asia and Africa; arranges lectures and symposia to study all aspects of contemporary Middle Eastern, Asian and African affairs; Pres. E. Elath; publs. *Hamizrah Hehadash* (*The New East*) (quarterly 1950-65), *Oriental Notes and Studies* (scientific monographs 1951-65); *Asian and African Studies* (annual 1965-).

Israel Political Sciences Association: c/o Hebrew University, Jerusalem; research and discussions on political and economic problems; the Israel Economic Society (f. 1921) is now incorporated in the Association; Chair. Prof. B. Akzin.

Israel Psychological Association: c/o Bar-Ilan University, Ramat Gan; f. 1958; 200 mems.; Correspondent Ronald Sobol, ph.d.

Israel Society of Aeronautical Sciences: P.O. Box 2956, Tel-Aviv; f. 1951; *c.* 250 mems.; lectures and conferences to foster the growth of aeronautical science; Chair. Dr. J. Singer; Sec. M. Hadas; publ. *Proceedings*.

Israel Society for Biblical Research: 9 Rehov Brenner, Jerusalem; affiliated with the World Jewish Bible Society; aims to disseminate a knowledge of the scriptures by organising lectures and meetings; 73 brs. throughout the world, each with its own study circle of Bible scholars and research workers; Chair. (World Society) H.E. Pres. Zalman Shazar; Chair. (Israel Society) and Exec. Dir. (World Society) Dr. Haim M. I. Gevaryahu; Gen. Sec. David Solomon; publs. *Beth Miqra* (quarterly), *El-Ha'ayin*.

Israel Society of Allergology, The: 23 Balfour Street, Tel-Aviv; f. 1949; about 30 mems.; Pres. Dr. N. Lass.

Israel Society of Criminology: P.O. Box 1260, Jerusalem; 350 mems.; Pres. Zvi Berenson; Sec. M. Horovitz, m.a.; publ. *Bulletin*.

Israel Society of the History of Medicine and Science: 68 Shlomoh Ha-Melekh, Tel-Aviv; f. 1947; 70 mems.; Chair. Prof. A. Seigenbaum; publ. *Koroth* (quarterly).

Israeli Centre of the World Union of Jewish Students: P.O.B. 1184, Jerusalem; br. at Haifa, 12 Meir Street; the cultural and educational centre of the W.U.J.S.; Sec. Sheim Itzhak; publ. *Hillel*.

Istituto Italiano di Cultura: Via Megiddo 11, Tel-Aviv; Dir. Prof. Elsa Gerlini.

Mekize Nirdamin Society: 22 Hatibonim Street, Jerusalem; f. 1863; the society publishes Hebrew works of the older classical Jewish literature; 600 mems.; Pres. S. J. Agnon; Sec. Prof. E. E. Urbach.

Mosad Harav Kook: P.O.B. 642, Jerusalem; f. 1937; to educate and train young men for research in the field of Torah Literature and to infuse the original Hebrew culture in all classes of the people; Dir. I. Raphael; publs. Torah-Science books, including the printing of MSS. of previously unpublished *Rishonim* works that are still retained in Genizah form.

National Council for Research and Development: Building No. 3 Hakirya, Jerusalem; attached to the Prime Minister's office; formulates national policy for research and development, advises the government on the allocation of funds for research and development, through its own laboratories conducts research in various fields; Chair. Dr. A. Keyan; publs. *Israel Journal of: Chemistry, Zoology, Technology, Botany, Experimental Medicine, Mathematics, Earth Sciences*; issued by the Weizmann Science Press.

National Physical Laboratory of Israel: Hebrew University Campus, Jerusalem; f. 1950; basic physical standards and applied research in the physical sciences; special interest in energy conversion such as harnessing of solar energy; Dir. H. Tabor, b.sc., ph.d., a.inst.p.

Negev Institute for Arid Zone Research: P.O.B. 1025, Beersheba; f. 1956; included in UNESCO's Arid Zones Major Project; engages in research for development and rehabilitation of the Negev and similar arid zones; extends facilities and services to settlers in Negev area; Dir. J. SCHECHTER.

Orientalisches Institut der Görres-Gesellschaft (*Oriental Institute of the Görres Society*): Jerusalem; historical and archæological studies.

Physical Society of Israel: c/o Hebrew University, Jerusalem; f. 1954; Sec. H. KASHA, D.SC.; 160 mems.

Rogoff Medical Institute: Beilinson Hospital, P.O. Box 85, Petah Tiqwa; f. 1955; Dir. Prof. A. DE VRIES, M.D.

Society of Municipal Engineers of Israel: Edouard Bernstein Street 15, Tel-Aviv; f. 1937; 75 mems.; Pres. M. AMIAZ; Hon. Sec. G. SHIFRON.

Standards Institution of Israel, The: Bney-Yisra'el St., Ramat Aviv, Tel-Aviv; f. 1945; tests the compliance of commodities with the requirements of standard specifications; conducts technological research; publishes the National Standards Specifications and Codes; library of 50,000 vols.; Dir. FEIVEL HADASS, MECH.E.; publ. *Bulletin* (bi-monthly).

Technion Research and Development Foundation, Ltd.: P.O. Box 4910, Haifa; f. 1952; affiliated to Technion—Israel Institute of Technology; undertakes research projects and investigations in various fields of science and technology; conducts technological surveys as well as quality and control tests on industrial products; operates 17 testing laboratories, research stations, field laboratories, and advisory services for industry; is recognised by law to test the compliance of commodities and products with the requirements of standard specifications and codes; Dir. Assoc. Prof. J. KARNI; publs. *In the Field of Building* (10 a year), *Matechet* (Metal—4 a year).

U.S. Information Center: 20 Bialik Street, Tel-Aviv; libraries at Tel-Aviv, Jerusalem, and Haifa.

Wilfrid Israel House for Oriental Art and Studies: Kibbutz Hazorea, Post Hazorea (near Haifa); f. 1947; opened 1951 in memory of the late Wilfred Israel; a cultural centre for reading, study and art exhibitions; special attention is given to the art and culture of the ancient and modern Middle and Far East; houses the Wilfrid Israel collection of ancient sculpture and Palestinian archæological exhibits from neolithic to Byzantine times; science and art library; Dirs. JOSEF AMIR, Dr. URI R. BAER; Sec. SH. OPPENHEIMER.

Zoological Society of Israel: c/o Dept. of Zoology, Hebrew University, Jerusalem; f. 1940; 300 mems.; Chair. Dr. ADAM BEN-TUVIAH; Sec. U. SAFRIEL.

LIBRARIES AND ARCHIVES

Borochov Library: c/o Haifa Labour Council, P.O. Box 5226, Haifa; f. 1921; number of volumes, 40,000 in central library, 60,000 in twenty-four branches; Chief Librarian EZECHIEL OREN.

Central Agricultural Library: 25 Lilienblum Street, P.O. Box 1575, Tel-Aviv; f. 1938; 32,000 books and 40,000 booklets, in Hebrew, English, Russian, German and French; 6,327 books lent during 1963; Librarian ISRAEL BEN-SHEM.

Central Library of the Technion—Israel Institute of Technology: P.O.B. 4910, Haifa; f. 1925; centre for scientific and technical information in Israel; open to the public; 105,000 vols.; 39,000 vols. of bound periodicals; 4,500 current periodicals; photocopying service; Dir. T. GLADSTEIN, D.SC.

Central Music Library in Israel: 1 Huberman Street, Tel-Aviv (P.O.B. 11229); f. 1950; 40,000 vols., 10,000 records, Bronislav Huberman collection; Librarian TZVI AVNI.

Central Rabbinical Library of Israel: Heichal Shlomo, Jerusalem; f. 1953; 50,000 vols. on Rabbinica and Judaica; Dir. and Chief Librarian Rabbi Dr. ZVI HARKAVY; publ. *Hasefer* (The Book, annual).

Central Zionist Archives, The: P.O. Box 92, Jerusalem; f. 1919; number of volumes 48,000, 3,800 m. of files; 4,000 newspapers, 45,000 pictures, 240 private archives and collections; 200 magnetic tapes; 165,000 items of small printed matter; Dir. Dr. A. BEIN; Dep. Dir. I. KLAUSNER; Librarian Mrs. H. ABRAHAMI; publs complete Hebrew edn. of Theodor Herzl's writings; guides to the collections; selected documents; *Zionist Literature* (monthly bibliographic bulletin).

"Dvir Bialik" Public Library: Bialik Street 42, Ramat-Gan; f. 1945; number of volumes, 100,000; maintains eight branches; Chief Librarian JERACHMIEL SLUZKY.

General Archives of the City of Tel-Aviv-Yafo: Municipality Building, P.O. Box 4001, Tel-Aviv; Chief Registrar PINCHAS RASSIS; Archivist Dr. ARYEH YODFAT.

Haifa College Library: P.O. Box 5345, Haifa; f. 1951; 50,000 vols., covering humanities and social sciences; Librarian M. JUNGSTEIN.

Jewish Historical General Archives, The: P.O. Box 1062; Jerusalem; f. 1940; maintained by the Jewish Historical Society of Israel; Dir. D. J. COHEN, M.A.; this institution is intended to serve as the central archives of Jewish history.

Jewish National and University Library: P.O.B. 503, Jerusalem; f. 1884; number of volumes: one million, including those on the Mount Scopus premises; 6,350 MSS. 102 incunabula (70 in Hebrew and 32 in other languages); large medical department with 30,000 bound volumes of periodicals and 10,000 books, to which 21 branch medical libraries are affiliated; special collections include the Dr. Abraham Schwadron Collection of Jewish Autographs and Portraits, the Dr. Harry Friedenwald Collection on the History of Medicine, and the private Music Collection of Serge Koussevitsky; Dir. Dr. CURT WORMANN; publ. *Kiryat Seifer* (quarterly).

Kfar Giladi Library: Kfar Giladi, Upper Galilee; f. 1934; number of volumes 30,000, 110 periodicals; maintains reading-room for members of the Kfar Giladi settlement; organises concerts and exhibitions of paintings; collection of classical music records; Librarian M. O. MAYER.

Library of the Association of Engineers and Architects in Israel: 200 Dizgenoff Road, Tel-Aviv; f. 1939; covers all branches of engineering and chemical technology; open to the general public; 15,000 vols., 280 current periodicals; Librarian Mrs. L. VILENTCHUK, C.E.

Library of the Central Bureau of Statistics: P.O. Box 3015, Jerusalem; f. 1948; approx. 20,000 vols.; Librarian Mrs. G. MARGOLIN.

Library of the Israel Department of Antiquities and Museums (Ministry of Education and Culture): 25 Rehov Shelomo Hamelekh, P.O. Box 586, Jerusalem; f. 1948; collections mainly on the archaeology, ancient history and civilisations of Israel and the Middle East; Dir. of Antiquities Dr. A. BIRAN; Librarian Dr. M. CASSUTO SALZMANN.

Library of Seminar Hakibbutzim: Tel-Aviv; 30,000 vols.; Librarian RACHEL SHACHAR.

Library of the Knesset: 33A King George V Avenue, Jerusalem; f. 1949; principally for members use; 40,000 volumes, including books, bound periodicals and collection of all Israeli Government publications and UN publications; Librarian S. WASSERMANN.

Library of the Ministry of Foreign Affairs: Hakirya; f. 1948; 25,000 volumes, 6,000 pamphlets, 300 periodicals; Librarian Mrs. H. PYLAUM, PH.D.

Library of the Ministry of Justice: P.O. Box 1087, Jerusalem; f. 1922; including 18 branch libraries, 36,000 vols.; Librarians Drs. A. SILBERFELD and R. D. COHN.

Library of the National and University Institute of Agriculture: P.O.B. 12, Rehovot; f. 1960; serves the Volcani Institute of Agricultural Research and the Hebrew University's Faculty of Agriculture; maintains exchange relations all over the world; 55,000 vols., 2,200 current periodicals and serials; br. library at Beth Dagan; regional libraries at Gilath and N've Ya'ar; Librarian S. SEVER.

Library of the Pontifical Biblical Institute: King David and Botta Streets, Jerusalem; f. 1927; number of volumes, 9,500 chiefly on Palestine archaeology and geography; also small museum with most of the discoveries from the excavations at Teleilat Ghassul; Librarian and Dir. Rev. Prof. LOUIS SEMKOWSKI, S.J.

Library of the Supreme Court: Jerusalem; f. 1949; 13,000 vols.; Librarian J. HAI ISAC.

Municipal Library: 25 King Saul Boulevard, Tel-Aviv; P.O.B. 32; f. 1891; number of volumes, 145,600; general library in 12 languages, with eleven branches comprising 127,823 volumes; City Librarian ITHAMAR LEEF.

Pevsner Library: 54 Pevsner Street, P.O. Box 5345, Haifa; f. 1934; 80,000 vols. covering all fields of literature and science, in Hebrew, English, German, French, Polish and Russian; Dir. S. ROSENHAK; Chief Librarian M. JUNGSTEIN.

Public Library in Memory of William and Chia Boorstein: Nahariya; f. 1946; under the professional supervision of the Jewish National and University Library, Jerusalem; number of volumes, 25,000; Librarian EPHRAIM TH. JOEL.

Rambam Library: 22 Maza Street, Tel-Aviv; f. 1935; 40,000 volumes; Librarian Rabbi R. MARGALIOT.

Research Archives of the Israel Department of Antiquities and Museums (Ministry of Education and Culture): 25 Rehov Shelomo Hamelekh, P.O. Box 586, Jerusalem; f. 1948; written records, photographic records, maps and plans; Dir. of Antiquities Dr. A. BIRAN; Archivist Y. H. LANDAU.

Schocken Library: Rehavia, Jerusalem; f. 1909; number of volumes 55,000, MSS. 200, photostats (Hebrew Liturgy and Poetry) 20,000, etchings and drawings 7,000; Librarian A. M. HABERMANN.

Tel-Aviv University Library: P.O.B. 4543, 155 Herzl Street, Tel-Aviv; f. 1954; 100,000 vols. in the fields of Natural Sciences, Humanities and Jewish Studies, incl. special collections of Prof. F. Bodenheimer (Zoology), the Pereman Collection (Jewish Studies and Archaeology), the Assaf Simchoni Library (Military History), and the Achad Ha'am Library (Judaica and Hebraica); Acting Dir. Dr. S. SIMONSOHN.

Wix Central Library and Weizmann Archives: *see under* Weizmann Institute of Science.

Workers' Library: New Histadrut Building, Jerusalem; 60,000 vols., including children's books, fiction and popular science; special emphasis on Hebrew literature, Jewish history and social sciences; five branch libraries; Chief Librarian SHALOM YOELI.

Y.M.C.A. Library: P.O. Box 294, David Hamelech Street, Jerusalem; f. 1933; number of volumes, *c.* 25,000; Librarian Mrs. HELEN MYER.

MUSEUMS

Akko Municipal Museum: Akko, Old City; f. 1954; housed in an old Turkish bathhouse; collections of local antiquities; medieval and modern Arab and Druze folklore; arms and oriental jewellery section; Crusader excavations; Dir. Dr. ZEEV GOLDMAN.

Archaelogical Museum of the Department of Antiquities and Museums (Ministry of Education and Culture): 25 Rehov Shelomo Hamelekh, P.O. Box 586, Jerusalem; f. 1948; exhibition of antiquities mainly from excavations in Israel, illustrating the history of the Land of Israel and its people from prehistory to Arab times; temporary exhibitions of recent excavations; Dir. of Antiquities Dr. A. BIRAN; Dir. of Museum Dr. P. P. KAHANE.

Beit Ha'Omanim (*Jerusalem Artists' House*): David Hamelech Street, Jerusalem; permanent exhibitions of works by Jerusalem artists.

Beth Shean Museum: Beth Shean; prehistoric flint, pottery, bronze, etc.; Roman and Byzantine mosaics; remains of the Roman theatre and ancient synagogue, monasteries and churches; Curator NEHEMIA TSORI.

"Bezalel" National Museum: P.O. Box 398, Jerusalem; f. 1906; part of the Israel Museum; large collection of Jewish ceremonial art, ethnological objects, paintings, sculptures, drawings and prints; art library; youth art programme; lending library of reproductions; Chief Curator KARL KATZ.

Caesarea Museum: Kibbutz Sedot Yam; f. 1950; collection of antiquities from the region of ancient Caesarea; Dir. A. WEGMAN.

Ethnological Museum and Folklore Archives: 19 Arlosoroff Street, Haifa.

Glicenstein Museum: Safad; f. 1953; paintings and sculptures of the late Hanoch Glicenstein; Dir. EMANUEL ROMANO GLICENSTEIN.

Haaretz Museum: nr. Ramat Aviv, Tel-Aviv; comprises the following collections of the Tel-Aviv Municipality which are housed in different pavilions and are intended to form a museum of Eastern Mediterranean Cultures; Dir. CH. ELPERIN.

- **Glass Museum:** f. 1958; contains exhibits from the Amarna period to Arab times.
- **Kadman Numismatic Museum:** f. 1962; history of coinage from the beginning to the present day; Dir. A. KINDLER.
- **Museum of Ethnography and Folklore:** f. 1961; Exhibition of Jewish Popular Art and Costumes. Dir. Ing. D. DAVIDOWITZ.
- **Museum of Science and Technology:** f. 1964; exhibition of applied mathematics, physics, aeronautics, energy and atomic energy for peaceful purposes; Dir. Ing I. MOSCOWITZ.
- **Museum Tel Qasile:** f. 1948; findings of the excavations of Israelite city, ranging from the Period of Kings to the Islamic period.
- **Museum of the Antiquities of Tel-Aviv—Yafo** (on the Ancient Hill of Yafo): f. 1962; exhibition of archaeological findings excavated in the Yafo-Tel-Aviv area, ranging from Neolithic to Byzantine Period; Dir. Dr. Y. KAPLAN.

Historical Museum of Tel-Aviv: f. 1959; documents letters, notes and photographs relating to the city's foundation; Dir. Dr. M. ALTBAUER.

The Alphabet Museum: f. 1965; documentary exhibition on the development of writing all over the world, behind our present alphabets; Dir. Prof. D. DIRINGER.

The Ceramic Museum: f. 1965; exhibition showing pottery in service of men and demonstrating the significance of pottery in the study of human history.

Hayim Sturman House: Museum and regional centre for science and education in Gilboa-Beth-Shean Region; P.O. Ein-Harod; f. 1941; depts. of archæology, history, economy, natural history and defence; Dir. S. SEVORAI.

Herzl Museum: Har Herzl, Jerusalem; f. 1960.

Israel Museum: Jerusalem; f. 1965; includes the Samuel Bronfman Biblical and Archaeological Museum, the Art Museum—Bezalel National Museum—the Billy Rose Art Garden, and the Shrine of the Book, which houses the Dead Sea Scrolls; Administrative Dir. YOHANAN BEHAM; Curators: Dr. PENUEL KAHANE (Samuel Bronfman Biblical and Archaeological Museum), KARL KATZ (Bezalel National Art Museum), MAGEN BROSHI (D.S. and R.H. Gottesman Centre for Biblical MSS. at the Shrine of the Book).

Jabotinsky Museum: King George Street, Tel-Aviv.

Kefar Menahem Regional Museum: Kibbutz Kefar Menahem; f. 1950; collection of regional antiquities; section of mineralogy and petrology; permanent exhibition of Kibbutz artists; paintings and sculptures; Dir. M. ISRAEL.

Ma'ayan Baruch Museum: Ma'ayan Baruch, Upper Galilee; f. 1952; regional antiquities including Palaeolithic and Chalcolithic implements and exhibits from Middle Bronze Age tombs and from Roman and Byzantine periods; Dir. A. ASSAF.

Maritime Museum: 2 Hanamal Street, Haifa; f. 1954; large collection of ship models illustrating 5,000 years of navigation and shipbuilding, old maps, undersea archaeology, and ancient coins connected with seafaring; Dir. Lt.-Cdr. A. BEN ELI.

Municipal Museum of Antiquities: Tiberias; f. 1953; collection of antiquities from Tiberias and region, mainly of the Roman, Byzantine and Arab periods; Dir. ELISHEVA BALLHORN.

Museum of Ancient Art: Municipality, Haifa; f. 1948; Greek and Roman sculpture and terracottas; local mosaics, glass, lamps. coins; collections up to the 6th century A.D.; Dir. JOSEPH ALGAVISH.

Museum of Japanese Art: 89 Hanassi Avenue, Haifa; f. 1960; 4,000 items; paintings, prints, lacquer work, ceramics, metalwork; Dir. Miss AYAKO IMAI.

Museum of Modern Art: Municipality, Haifa; f. 1951; collection of contemporary Israeli art, modern French, Dutch, Swiss, Italian and American gouaches, watercolours, drawings and prints, collections of posters from museums and galleries; Dir. ZDZISLAW HRYCAK; Dir.-Gen. Dr. F. SCHIFF.

Museum of Prehistory: Sha'ar Ha-golan, Jordan Valley; f. 1950; large number of exhibits from the neolithic Yarmukian culture excavated in the region; Dir. Y. ROTH.

Museum of Prehistory of the Department of Archaeology in the Hebrew University: Crémieux Street, Jerusalem; f. 1955; large collection of objects from prehistoric sites in Israel; library; Dir. Prof. M. STEKELIS.

Museum of the Franciscan Order: P.O. Box 4136, The Flagellation, Jerusalem; Curator AUG. SPYKERMAN, O.F.M.; Dir. The Most Rev. Fr. ALFR. POLIDORI, O.F.M.

Negev Museum: Beersheba; f. 1954; exhibits from regional excavations, mainly from the Chalcolithic, Israelite, Roman and Byzantine periods; Bedouin Folklore collection; collection of modern Israeli art; Curator YAEL ISRAELI.

Tel-Aviv Museum of Art: Dizengoff House, 16 Rothschild Blvd., f. 1931; and Helena Rubinstein Pavilion, 6 Tarsat Street, Tel-Aviv; f. 1959; paintings of the 18th and 19th centuries, and modern paintings, graphic art and sculptures, including works by Israel artists; art library containing 6,000 volumes; weekly chamber music concerts, lectures and films on art; Dir. Dr. HAIM GAMZU.

Terra Santa Museum: Terra Santa, Nazareth; f. 1920; crusader capitals of the Church of Annunciation, coins, Roman and Byzantine glass; collection of antiquities from excavations made in the monastery compound; administered by Fathers of the Franciscan Order.

Y.M.C.A. "Herbert E. Clark" Collection of Near Eastern Antiquities: Y.M.C.A. Building, David Hamelech Street, Jerusalem; f. 1933; flint implements, pottery, glass, jewellery, cylinder seals, cuneiform tablets, scarabs, terracotta and bronze figurines; Custodian Mrs. HELEN MYER.

UNIVERSITIES

BAR-ILAN UNIVERSITY
RAMAT-GAN

Telephone: 722547.

Founded 1953; inaugurated 1955.

Acting President: Prof. J. H. LOOKSTEIN.
Rector: A. SALTMAN, PH.D.
Director-General: M. ADLER, M.A.
Registrar: A. POMERANTZ, M.JUR.
Librarian: M. YA'AKOBI, DR.JUR.

Library: 100,000 volumes.
Number of teaching staff: 257.
Number of students: 1,534.
Publication: *Bar-Ilan Annual.*

DEPARTMENTAL HEADS:

Division of Jewish Studies:
Bible: U. SIMON, PH.D.
Talmud: I. GILATH, PH.D.
Jewish History: H. Z. HIRSCHBERG, PH.D.
Jewish Philosophy: M. SCHWARCZ, PH.D.

Division of Languages and Literature:
World Literature and Hebrew Literature: B. KURZWEIL, PH.D.
Hebrew and Ancient Semitic Languages: M. Z. KADDARI, PH.D.
Arabic: J. MANSOUR, PH.D.
English: H. FISCH, B.LITT.
French: M. MENDELSON, PH.D.

Division of Social Sciences:
General History: A. SALTMAN, PH.D.
General Philosophy: M. SCHWARCZ, PH.D.
Psychology: I. LEWIN, PH.D.
Political Science: A. SHARF, PH.D.
Sociology: A. DEUTSCH, M.A.
Economics: S. ECKSTEIN, PH.D.
Education: E. STERN, M.A.

Division of Natural Sciences and Mathematics:
Biology, Biochemistry, Botany and Zoology: A. PINSKY, PH.D.
Bacteriology: D. SOMPOLINSKY, PH.D.
Chemistry: Y. SCHÄCHTER, PH.D.
Physics: M. JAMMER, PH.D.
Mathematics and Statistics: S. YESHURUN, PH.D.

AFFILIATED INSTITUTE:

Institute of Criminology.
Director: S. SHOHAM, PH.D.

THE HEBREW UNIVERSITY

JERUSALEM

Telephone: 35281.

Founded 1918; inaugurated 1925.

President: E. ELATH.
Chairman of Board of Governors: Judge L. E. LEVINTHAL.
Rector: Prof. G. RACAH.
Vice-President: J. G. LIEBES.
Administrator: Y. ARAN.
Executive Vice-Chairman, Board of Governors: B. CHERRICK.

Library: *see* Libraries.
Number of teachers: 67 professors, 87 associate professors, 890 other academic staff.
Number of students: 9,450 graduate and undergraduate and 601 research students.

DEANS:

Faculty of Humanities: Prof. J. PRAWER.
Faculty of Science: Prof. A. FAHN.
Faculty of Medicine: Prof. A. L. OLITZKI.
Faculty of Law: Prof. S. GINOSSAR.
Faculty of Agriculture: Prof. H. HALPERIN.
Faculty of Social Science: Prof. D. PATINKIN.

DIRECTORS:

School of Dentistry: Dr. I. SCIAKY.
School of Education: Dr. Z. ADAR.
Graduate Library School: Dr. C. WORMANN.
School of Social Work: Dr. I. KATZ.

PROFESSORS:

Faculty of Humanities:
ABRAMSON, S., D.H.L., Talmud
ADAR, Z., PH.D., Education
AMIRAN, D., DR.PHIL.NAT., Geography
AVIGAD, N., PH.D., Archæology
AVI-YONAH, M., PH.D., Archæology
AYALON, D., PH.D., Modern History of the Middle East
BAR-HILLEL, Y., PH.D., Philosophy
BEN-HAYYIM, Z., DR.PHIL., Hebrew Philosophy
BLAU, J., PH.D., Arabic Language and Literature
DUFF, A. D., DR.PHIL., French Civilisation
FLUSSER, D., PH.D., Comparative Religion
FRANKENSTEIN, C., DR.PHIL., Education
FUKS, A., PH.D., Ancient History and Classics
GOSHEN-GOTTSTEIN, M. H., PH.D., Semitic Linguistics
HALKIN, S., D.H.L., Hebrew Literature
HALPERN, I., M.A., Modern Jewish History
HEYD, U., PH.D., Modern History of the Middle East
KUTSCHER, E. Y., M.A., Hebrew Philology
MAZAR, B., DR.PHIL., Jewish History
MENDILOW, A. A., PH.D., English Language and Literature
PINES, S., DR.PHIL., General and Jewish Philosophy
PLESSNER, M., DR.PHIL., Arabic Language and Literature
POLOTSKY, H. J., DR.PHIL., Egyptian and Semitic Linguistics
PRAWER, J., PH.D., Medieval History
RABIN, C., PH.D., Hebrew Language
ROTENSTREICH, N., PH.D., Philosophy
SADAN, D., Yiddish Language and Literature
SCHALIT, A., DR.PHIL., Jewish History
SCHIRMANN, J., DR.PHIL., Hebrew Literature
SCHOLEM, G., DR.PHIL., Jewish Mysticism
SEELIGMANN, I. L., DR.PHIL., Bible
SIMON, E., DR.PHIL., Education
STEKELIS, M., DR.UNIV., Prehistory
TALMON, J., PH.D., Modern History
TISHBY, I., PH.D., Hebrew Literature
URBACH, E. E., DOTT. IN LETT., Talmud
VIGEE, C., PH.D., Modern French Literature
WERBLOWSKY, R. J. Z., D.ÈS L., Comparative Religion
WIRSZUBSKI, C., PH.D., Classics
YADIN, Y., PH.D., Archæology

Faculty of Science:
AGMON, S., DR. ÈS SC., Mathematics
ALEXANDER, E., DR.ING., Experimental Physics
AMIRAN, D., DR.PHIL.NAT., Geography
AMITSUR, S. A., PH.D., Mathematics
ASHBEL, D., DR.PHIL., Meteorology and Climatology
AVNIMELECH, M., D.SC.NAT., Geology
BENTOR, Y., PH.D., D. ÈS SC., Petrography and Mineralogy
BERGMANN, E. D., DR.PHIL., Organic Chemistry
COHEN, S. G., PH.D., Experimental Physics
DVORETZKY, A., PH.D., Mathematics
EVENARI, M., DR.PHIL., Botany
FAHN, A., PH.D., Botany
FEINBRUN, NAOMI, PH.D., Botany
FRANKEL, M., DR.PHIL., Organic Chemistry
GLASNER, A., PH.D., Inorganic and Analytical Chemistry
GOLDSCHMIDT, ELISABETH, PH.D., Zoology
HAAS, G., DR.PHIL., Zoology
HALPERIN, A., PH.D., Physics
KIRSON, B., PH.D., Inorganic and Analytical Chemistry
LEIBOWITZ, Y., DR.PHIL., DR.MED., Biological Chemistry
LICHTENSTEIN, N., DR.PHIL., Biological Chemistry
LOW, W., PH.D., Experimental Physics
MANY, A., PH.D., Experimental Physics
NEUMANN, Y., M.SC., Meteorology
PATAI, S., PH.D., Organic Chemistry
PICARD, L., DR.PHIL., Geology
POLJAKOFF-MAYBER, ALEXANDRA, PH.D., Botany
RABIN, M., PH.D., Mathematics
RACAH, G., DOTT. IN FIS., Theoretical Physics
REICH, K., DR.PHIL., Zoology
SAMBURSKY, S., DR.PHIL., History and Philosophy of Science; Experimental Physics
SCHATTMER, I., DR.PHIL., Geography
SHULOV, A., D.SC.NAT., Zoology
STEIN, G., PH.D., Physical Chemistry
STEINITZ, H., PH.D., Zoology
ZOHARY, M., DR.RER.NAT., Botany

Faculty of Medicine (including Schools of Dentistry and Pharmacy):
ADLER, E., DR.MED., Physical Medicine and Rehabilitation
ADLER, S., M.B., CH.B., D.T.M., F.R.C.P., F.R.S., Parasitology
AUERBACH, E. L., DR.EN MED., Ophthalmology
BEKIERKUNST, A., DR.PHIL., Bacteriology
BELLER, A., DR.MED., Neurosurgery
BERGMANN, F., DR.MED., DR.PHIL., Pharmacology
BERNKOFF, H., DR.MED., Bacteriology
BRAUN, K., DR.MED., Medicine
BRZEZINSKI, A., DR.EN MED., Gynæcology and Obstetrics
DREYFUSS, F., DR.MED., Medicine
DRUCKMANN, A., DR.MED., Röentgenology
FINKELSTEIN, M., PH.D., Endocrinology
GOLDBLUM, N., PH.D., Preventive Medicine
GROEN, J. J., DR.MED., Medicine
GROSS, J., M.D., C.M., PH.D., Experimental Medicine and Cancer Research
GROSSOWICZ, N., PH.D., Bacteriology
GUGGENHEIM, K., DR.MED., Nutrition
HALPERN, L., DR.MED., Neurology
HOCHMANN, A., DR.EN MED., Radiology
ICKOWICZ, M., DR.MED., Histology
IZAK, G., DR.MED., Medicine
KORNBLUETH, W., DR.MED., Ophthalmology
LAUFER, A., DOTT. IN MED., Pathology
MAGER, J., DR.MED., PH.D., Biochemistry
MAGNES, J., PH.D., Physiology
MAKIN, M., M.B., CH.B., M.R.C.S., L.R.C.P., Surgery
MICHEALSON, I. C., D.O.M.S., F.R.F.P.S., PH.D., Opthalmology
MICHMANN, J. I., D.M.D., Prosthetics and Restorative Dentistry
MILWIDSKY, H., DR.MED., Surgery
OLITZKY, L. A., DR.MED., Medicine
RABINOVICI, M., DR.MED., Surgery
RACHMILEWITZ, M., DR.MED., Medicine
RAUBITSCHEK, F., DR.MED., Dermatology and Venereology
ROZIN, S., DR.MED., Gynæcology and Obstetrics
SAGHER, F., DR.MED., Dermatology and Venereology
SALTZ, N., M.D., Surgery
SAREL, S., PH.D., Pharmaceutical Chemistry
SCHWARTZ, A., DR.MED., Röentgenology
SCIAKY, I., D.M.D., Oral Medicine
SHAPIRO, B., PH.D., Biochemistry
SHILO, M., PH.D., Human Biochemistry
STRAUSS, W., DR.MED., Hygiene
SULMAN, F. G., DR.MED.VET., DR.MED., Applied Pharmacology
THEODOR, O., DR.PHIL., Medical Entomology
ULLMANN, T. D., DR.MED., Medicine
UNGAR, H., DR.MED., Pathology
WERTHEIMER, E., DR.MED., Human Biochemistry
WITENBERG, G. G., DIPL.VET., Helminthology
ZELLERMAYER, J., DR.MED., Psychiatry
ZUCKERMANN, AVIVAH, PH.D., Parasitology

Faculty of Law:
AKZIN, B., DR.RER.POL., DR.EN D., S.J.D., Constitutional Law, Political Science
DRAPKIN-SENDEREY, I., M.D., Criminology
FEINBERG, N., DR.JUR., International Law and Relations
GINOSSAR, S., DR.EN D., Civil and Criminal Procedure
KLINGHOFFER, H., DR.RER.POL., DR.JUR., Administrative Law
LEVONTIN, A. V., LL.M., S.J.D., English Law, Law of Property, Private International and Interreligious Law
TEDESCHI, G., DR.JUR., Jurisprudence, Law of Obligations

Faculty of Agriculture:
AVIDOV, Z., PH.D., Entomology
BONDI, A., DR.PHIL., Animal Nutrition and Bio-chemistry
HALPERIN, H., DR.JUR.ET.AGR., Agricultural Economics
HURWITZ, S., DR.AGR., Agronomy and Forage Crops
MONSLISE, S. P., PH.D., Citriculture

OPPENHEIMER, C., DR.AGR., Subtropical Horticulture
OPPENHEIMER, H., DR.PHIL., Horticulture, Plant Physiology
PEREK, M., DR.MED.VET., Poultry Science and Animal Hygiene
RAVIKOVITCH, S., PH.D., Soil Science
SAMISH, R. M., PH.D., Horticulture
VOLCANI, R., PH.D., Animal Husbandry
WAHL, I., PH.D., Plant Pathology

Faculty of Social Science:
BACHI, R., DR.JUR., Statistics and Demography
EISENSTADT, S. N., PH.D., Sociology
GUELFAT, I., D.ÈS SC., Economics
GUTTMAN, L., PH.D., Social and Psychological Measurement
KATZ, J., DR.PHIL., Jewish Social History
MUHSAM, H. V., DR. ÈS SC., Statistics
PATINKIN, D., PH.D., Economics
SILBERNER, E., DR.PHIL., History of Economics and Economic Thought

UNIVERSITY INSTITUTE:

Haifa College: Haifa
Telephone: 87055.
Founded 1964.

(The foundation stone of Haifa University was laid on October 21st, 1965; the buildings will be completed in 3 years. Haifa College will become integrated in the new University.)

Faculty of Humanities and Social Sciences:
Dean: Prof. J. PRAWER.
Academic Adviser: Y. KARMON, PH.D.
Executive Director: E. RAFAELI, M.A.

Library: 60,000 volumes.
Number of teachers: 100.
Number of students (1964): 900.

Departments: Bible, Hebrew Language and Literature, Jewish History, General History, French Language and Literature, English, Arabic Language and Literature, Geography, Education (Educational and Vocational Counselling), Secondary School Teachers' Training, Sociology, Political Science.

Affiliated Institutes:
Faculty of Auditing and Accountancy: Extra-Curricular Courses.

TEL-AVIV UNIVERSITY
(Municipal University of the City of Tel-Aviv-Yafo)

155 HERZL STREET, TEL-AVIV
Telephone: 82267-8-9-70.
Founded 1953; inaugurated 1956.

President: Dr. G. S. WISE.
Rector: Prof. B. Z. KATZ.
Academic Secretary: Y. RAWRAWAY.
Chairman of the Board of Governors and Trustees: M. NAMIR.

Number of teachers: 265.
Number of students: 2,063.

DEANS:
Faculty of Humanities: Dr. Z. YAVETZ.
Faculty of Science: Prof. H. MENDELSSOHN.
Faculty of Continuing Medical Education: Prof. F. DREYFUSS.
Medical School: Prof. A. DE VRIES.
Faculty of Social Sciences: Dr. Z. Y. HERSHLAG (a.i.).

HEADS OF DEPARTMENTS:

Faculty of Science:
ABARBANEL, Prof. S., Applied Mathematics
DE VRIES, Prof. A., Experimental Biology
GALIL, Prof. I., Botany
KLOPSTOCK, Prof. A., Microbiology
MENDELSSOHN, Prof. H., Zoology
NEEMAN, Prof. Y., Physics
TALMI, Prof. A., Chemistry

Faculty of Humanities:
DEVRIES, Prof. B., Talmud
FINEMAN, Dr. D. A., English
KATZ, Prof. B. Z., Classical Studies
KREITIER, Dr. H., Psychology
LIVER, Dr. J., Bible
MEHLMANN, Dr. I., Theatre Arts
PENUELI, S. Y., Hebrew Literature
PERETZ, Dr. Y., Hebrew Language
POLIAK, Prof. A. N., African and Middle East Studies
SCHARFSTEIN, Prof. B. A., Philosophy
SIMONSOHN, Prof. S., Jewish History
TEYNIER, J., French Civilisation
UCKO, Prof. S., Education
YAVETZ, Dr. Z., General History
YEIVIN, Prof. S., Ancient and Middle Eastern Studies

AFFILIATED INSTITUTES:

The Donolo Institute of Physiological Hygiene: Dir. Prof. D. BRUNNER.

The Institute of Human Genetics: Dir. B. PEDA.

The Institute for Zionist Research: Dir. Prof. B. Z. KATZ.

The Israel Academy of Music: Tel-Aviv; Dir. Prof. O. PARTOS.

TECHNION
ISRAEL INSTITUTE OF TECHNOLOGY HAIFA

Telephone: 68381.
Telegraphic Address: Technion, Haifa.

Founded 1912; inaugurated 1924.

President: A. GOLDBERG, B.SC., A.R.S.M., A.M.I.CH.E.
Senior Vice-President (for Academic Affairs): Prof. R. SHALON.
Vice-President: Prof. D. GINSBURG.
Deputy Vice-President: Prof. H. HANANI.
Chairman of Board of Governors: (Vacant).
Executive Vice-Chairman of the Board: C. ALPERT.
Assistant to the President for Academic Liaison: M. M. LEVY.
Academic Secretary: Y. EDEN.
Treasurer: Y. NESSYAHU.
Administrator: B. HERMAN.
Dean of Graduate School: Prof. N. ROSEN.
Dean of Students: Prof. E. SHKLARSKY.

Library: *see* Libraries.
Number of teachers (1964/65): 676.
Number of students (1964/65): 3,005 undergraduates, 926 graduates.

Publications: *The Joseph Wunsch Lectures* (annual), *Shlomo Kaplansky Memorial Series* (incorporated in *Israel Journal of Technology*), *Synopses of D.Sc. amd M.Sc. Theses* (annual), *Catalogue*, *In the Field of Building* (monthly), *Technion* (bi-monthly), *Technion Human Engineering Bulletin*, *Bulletin* (weekly).

Technion—Israel Institute of Technology—is an academic institution of university rank offering undergraduate courses in Engineering, in Architecture and Town Planning and in the Exact Sciences leading to the Bachelor's degree, and research facilities in postgraduate school leading to the degrees of Master of Science and Doctor of Science. The language of instruction in the undergraduate school is Hebrew, except in Agricultural Engineering where courses are offered to students from developing countries also in English and French.

DEANS:
Faculty of Civil Engineering (including Mineral Engineering): Prof. E. SHKLARSKY.
Faculty of Architecture and Town Planning: Assoc. Prof. A. HASHIMSHONY.
Faculty of Mechanical Engineering (including Metallurgy): Assoc. Prof. J. F. URY.
Faculty of Electrical Engineering: Prof. I. CEDERBAUM (CEDAR).
Faculty of Chemical Engineering: Assoc. Prof. G. ZIMMERMANN.
Department of Chemical Engineering: Dr. D. HASSON.
Department of Food Technology and Biotechnology: Assoc. Prof. G. ZIMMERMANN.
The Walter C. Lowdermilk Faculty of Agricultural Engineering: Assoc. Prof. H. H. FINKEL.
Faculty of Aeronautical Engineering: Assoc. Prof. J. SINGER.
Department of Industrial and Management Engineering: Prof. P. NAOR.
Department of Mathematics: Prof. E. NETHANYAHU.
Department of Physics: Assoc. Prof. M. LINDEMAN.
Department of Chemistry: Prof. D. GINSBURG.
Department of Mechanics: Assoc. Prof. Z. KARNI.
Department of Nuclear Science: Assoc. Prof. S. YIFTAH.
Department of General and Applied Microbiology: Prof. N. GROSSOWICZ.
Department of General Studies: Assoc. Prof. Z. KURZWEIL.
Department of Education: Assoc. Prof. M. LINDEMAN.

PROFESSORS:

Faculty of Civil Engineering:
DE LEEUW, A., Hydraulic Engineering
IRMAY, S., Hydraulic Engineering
SHALON, R., Structural Engineering
SHKLARSKY, E., Highway Engineering
WACHS, A., Sanitary Engineering
YITZHAKI, D., Structural Engineering
ZEITLEN, J. G., Soil Engineering

Faculty of Architecture and Town Planning:
NEUMANN, A., Architecture

Faculty of Mechanical Engineering:
BODNER, S., Materials Science

Faculty of Electrical Engineering:
BEN-URI, J., Electrical Power and Servo-Mechanism
CEDERBAUM (CEDAR), I., Electronics and Telecommunication
OLLENDORFF, F., Electronics and Telecommunication
NATHAN, A., Automatic Control

Faculty of Chemical Engineering:
ASCHNER, M., Food Technology
RESNICK, W., Chemical Engineering

Faculty of Aeronautical Engineering:
KOGAN, A., Fluid Dynamics

Department of Industrial and Management Engineering:
NAOR, P., Operations Research

Department of Mathematics:
ERDÖS, P., Mathematics
HANANI, H., Mathematics
NETHANYAHU, E., Mathematics

Department of Physics:
ESTERMAN, E., Experimental Solid State Physics
HIRSCH, A. A., Applied Physics
ROSEN, N., Theoretical Physics

Department of Chemistry:
AVI-DOR, Y., Biochemistry
GINSBURG, D., Organic Chemistry
HALEVI, A., Physical Chemistry
HERBSTEIN, P., Inorganic Chemistry
PAUNCZ, R., Physical Chemistry
SCHNEPP, O., Physical Chemistry

Department of Mechanics:
REINER, M., Strength of Materials

Department of General and Applied Microbiology:
GROSSOWICZ, N., Microbiology

AFFILIATED INSTITUTES:

Building Research Station.

Israel Institute of Metals.

Junior Technical College.

Technical High School.

Technion Research and Development Foundation Ltd.: *see* Research Institutes.

Technion Extension Division.

THE WEIZMANN INSTITUTE OF SCIENCE

REHOVOTH
Telephone: 951-721.

Founded 1949; includes the Daniel Sieff Research Institute (f. 1934).

The Institute is a private non-profit corporation for fundamental and applied research in the Natural Sciences. The scientific staff numbers 210 scientists and 40 engineers. The Graduate School offers courses toward the M.Sc. and Ph.D. degrees.

Chairman, Board of Governors: D. D. STONE.
Deputy Chairman, Board of Governors: M. J. SIEFF.
Chairman, Executive Council: M. W. WEISGAL.
President: A. EBAN.
Scientific Director: S. LIFSON.
Chairman, Scientific Council: Y. TALMI.
Vice-Chairman, Scientific Council: A. BERGER.
Dean, Feinberg Graduate School: J. GILLIS.
Administrator: G. DROR.
Controller: H. KARGER.
Counsellor for Special Affairs: J. L. MELTZER.
Academic Secretary: J. L. RYCUS.
Secretary of the Association: MARGALIT SELA.

The library contains 60,000 volumes and 1,200 journals.

Number of students (1964/65) for the Ph.D.: 184; for the M.Sc.: 31.

Publication: *Annual Report of Scientific Activities.*

HEADS OF DEPARTMENTS AND PROFESSORS:

Applied Mathematics: C. L. PEKERIS, D.SC. (Head); J. GILLIS, PH.D.
Biochemistry: U. Z. LITTAUER, PH.D. (Acting Head); D. ELSON, PH.D.
Biodynamics: M. C. SHELESNYAK, PH.D. (Head).
Biological Ultrastructure: D. DANON, M.D. (Head).
Biophysics: E. KATCHALSKI, PH.D. (Head); A. BERGER, PH.D.
Cell Biology: M. FELDMAN, PH.D. (Head).
Chemical Immunology: MARGALIT SELA, PH.D. (Head).
Chemical Physics: S. LIFSON, PH.D. (Head).
Electronics: E. H. FREI, DR. PHIL. (Head).
Experimental Biology: I. BERENBLUM, M.D. (Head).
Genetics: L. SACHS, PH.D. (Head).
Isotope Research: I. DOSTROVSKY, PH.D. (Head).
Nuclear Physics: P. HILLMAN, PH.D. (Head); A. DE-SHALIT, DR.SC.NAT., G. GOLDRING, PH.D., J. H. JAFFE, PH.D., C. A. LEVINSON, PH.D., H. J. LIPKIN, PH.D., I. TALMI, DR.SC.NAT.
Organic Chemistry: D. LAVIE, PH.D. (Acting Head); D. SHAPIRO, DR. PHIL.
Photochemistry: E. FISCHER, PH.D. (Acting Head).
Plant Genetics: E. GALUN, PH.D. (Acting Head).
Polymer Research: A. KATZIR (KATCHALSKY), PH.D. (Head).
X-ray Crystallography: G. M. J. SCHMIDT, PH.D. (Head).

COLLEGES AND HIGHER INSTITUTES

Afro-Asian Institute for Labour Studies and Co-operation: Tel-Aviv; f. 1960 to teach development, co-operation and labour problems to African and Asian students; English-speaking course January-April, French-speaking course September-December every year; 50 students each course; special courses on selected subjects May-July; 640 graduates from 53 countries; Chair. E. ELATH; Principal A. EGER.

Etz Hayim, General Talmud Torah and Grand Teshivah: P.O. Box 300, Jerusalem; f. 1841; 1,400 students; library of 10,000 vols.; Pres. Rabbi I. Z. MELTZER.

Graduate School of Surveying: Holon; under the Survey Dept. of the Ministry of Labour; three-year course for land surveyors.

Hebrew Conservatoire: 22 Dizengoff Street, Tel-Aviv; f. 1910; Dir. M. RAVINA; Musical Adviser Prof. L. KESTENBERG; 250 students.

Near East School of Archaeology: Jerusalem; Dir. J. P. FREE.

Pontifical Biblical Institute: King David and Botta Streets, Jerusalem, P.O. Box 497; f. 1927 as a branch of the Pontifical Biblical Institute of Rome; fosters the study of Biblical geography and archæology; organises student tours with topographical lectures; Prehistorical Museum containing discoveries of Teleilat Ghassul, a chalcolithic site in the Jordan valley, excavated by the Institute; Dir. Rev. Prof. L. SEMKOWSKI, S.J.; publs. *Biblica, Orientalia, Verbum Domini*; library.

Rubin Academy of Music, Jerusalem (Under the supervision of the Ministry of Education and Culture): 7 Peretz Smolenskin Road, Jerusalem; offers 4-year courses for Teachers' Diplomas, postgraduate studies for Artists' Diplomas in composition, conducting, voice training, instrument playing and dancing; houses a museum of historical and folk instruments.

Swedish Theological Institute: 58 Street of the Prophets, P.O. Box 37, Jerusalem; f. 1951; Dir. Rev. Dr. theol. H. KOSMALA.

ITALY

Population 51,817,000

ACADEMIES

ACCADEMIA NAZIONALE DEI LINCEI

PALAZZO CORSINI, VIA DELLA LUNGARA 10, ROME

Telephone: 650421

Founded 1603

President: Prof. ANGELO MONTEVERDI.
Administrator: Prof. MAURO PICONE.

It is divided into two classes: (1) Physics, Mathematics, and Natural Sciences, with seventy-two national associates; and (2) Philosophy, History, and Philology, with seventy-two national associates.

The library contains 375,500 vols., 2,293 incunabula, 4,000 MSS. (*see also* Libraries).

Publications: *Rendiconti della Classe di Scienze Fisiche, Matematiche e Naturali*; *Rendiconti della Classe di Scienze Morali, Storiche e Filologiche*; *Memorie della Classe di Scienze Fisiche, Matematiche e Naturali*; *Memorie della Classe di Scienze Morali, Storiche e Filologiche*; *Notizie degli Scavi*; *Quaderni*; *Annuario*.

MATHEMATICS AND MECHANICS

A. Mathematics
BOMPIANI, E.
CANTELLI, F. P.
CHISINI, O.
PICONE, M.
SANSONE, G.
SEGRE, B.
TERRACINI, A.
TRICOMI, F.

B. Mechanics
AMOROSO, L.
COLONNETTI, G.
CROCCO, G. A.
DE MARCHI, G.
FERRARI, C.
FINZI, B.
KRALL, G.
PISTOLESI, E.

ASTRONOMY, GEODESY AND GEOPHYSICS

A. Astronomy
ABETTI, G.
NOBILE, V.
RIGHINI, G.
ZAGAR, F.

B. Geodesy and Geophysics
BALLARIN, S.
CALOI, P.
DORE, P.
SOLAINI, L.

PHYSICS AND CHEMISTRY

A. Physics
AMALDI, E.
BERNARDINI, G.
CARRELLI, A.
FERRETTI, B.
OCCHIALINI, G. P. S.
PERSICO, E.
POLVANI, G.
RASETTI, F.
ROSTAGNI, A.
WATAGHIN, G.

B. Chemistry
BONINO, G. B.
BOZZA, G.
CAGLIOTI, V.
CAMBI, L.
MAROTTA, D.
NATTA, G.
QUILICO, A.
SEMERANO, S.

GEOLOGY, PALÆONTOLOGY AND MINERALOGY

A. Geology and Palaeontology
DAL PIAZ, G. B.
DESIO, A.
GORTANI, M.
MERLA, G.
PENTA, F.

B. Mineralogy
BIANCHI, A.
CAROBBI, G.
ONORATO, E.
PANICHI, U.

BIOLOGICAL SCIENCES

A. Botany
CAPPELLETTI, C.
SAVELLI, R.
TONZIG, S.
TROTTER, A.

B. Zoology
GHIGI, A.
GRANDI, G.
LEVI, G.
MONTALENT, G.
OLIVO, O. M.
PENSA, A.
SERGI, S.

C. Physiology
AMANTEA, G.
BOVET, D.
MARGARIA, R.
MORUZZI, G.
PUPILLI, G. C.
ROSSI-FANELLI, A.

D. Pathology
ALOISI, M.
BOMPIANI, G.
CALIFANO, L.
CASTELLANI, A.
PUNTONI, V.

PHILOLOGY

BENEDETTO, L. F.
CERULLI, E.
CONTINI, G.
DEVOTO, G.
FRANCESCHINI, E.
GABRIELI, F.
LEVI DELLA VIDA, G.
MAVER, G.
MIGLIORINI, B.
MONTEVERDI, A.
PARATORE, E.
SCHIAFFINI, A.
TERRACINI, A. B.

ARCHÆOLOGY

BIANCHI BANDINELLI, R.
CULTRERA, G.
DEGRASSI, A.
FERRI, S.
LUGLI, G.
MINGAZZINI, P.
MUSTILLI, D.
ROMANELLI, P.
ZANCANI MONTUORO, P.

ART AND POETRY

BACCHELLI, R.
CECCHI, E.
DELLA CORTE, A.
FIOCCO, G.
FUBINI, M.
LONGHI, R.
RONGA, L.
SALMI, M.
VALGIMIGLI, M.

HISTORY AND ANTHROPOLOGY

CESSI, R.
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FERRABINO, A.
MOMIGLIANO, A.
MORGHEN, R.
PONTIERI, E.
RODOLICO, N.
SALVATORELLI, L.

PHILOSOPHICAL SCIENCE

ABBAGNANO, N.
BATTAGLIA, F.
CALÒ, G.
GUZZO, A.
LAMANNA, F. P.
TROILO, E.

JURIDICAL SCIENCE

BIONDI, B.
CESARINI SFORZA, W.
DE FRANCISCI, P.
GRECO, P.
GROSSO, G.
JEMOLO, C. A.
MESSINEO, F.
MORELLI, G.
PUGLIATTI, S.
SANTORO-PASSARELLI, F.
SEGNI, A.
VOLTERRA, E.

SOCIAL AND POLITICAL SCIENCE

BOLDRINI, M.
CORBINO, E.
DEL VECCHIO, G.
DEMARIA, G.
DOMINEDÒ, V.
FENIZIO, F.
LIVI, L.
MORTARA, G.
PAPI, U.
RÉPACI, F. A.
SAPORI, A.
SRAFFA, P.
VITO, F. M.

ACCADEMIA NAZIONALE DI SAN LUCA

PIAZZA DELL'ACCADEMIA DI SAN LUCA 77, ROME

Founded in the Fourteenth Century.

President: Prof. GIOVANNI MUZIO.
Vice-President: ATTILIO SELVA.
Secretary-General: LUIGI GUASCO.

It is divided into three main classes with 18 national mems., 30 corresponding mems. and 10 foreign mems. in each class: Painters, Sculptors and Architects; in addition

there are 36 cultural mems. and an unspecified number of honorary mems. totalling 14 at present.

The main library "Romana Biblioteca Sarti" contains over 30,000 vols.

Publications: *Atti dell'Accademia Nazionale di San Luca, Annuario dell'Accademia Nazionale di San Luca.*

Accademia dei Filedoni: Piazzo Italia 2, Perugia; f. 1816; Pres. T. Ansidei di Catrano.

Accademia della Crusca: Piazza dei Giudici 1, Florence; f. 1582; Pres. Prof. Giacomo Devoto; Dir. of Philological Studies Gianfranco Contini; Sec. Giovanni Nencioni; publs. *Vocabolario degli Accademici della Crusca, Autori classici e documenti di lingua, Vocabolari e Glossari, Studi di filologia italiana.*

Accademia delle Scienze di Ferrara: via Savonarola 9, Ferrara; f. 1823; 167 mems.; library of 20,000 vols.; Pres. Prof. Luigi Robuschi.

Accademia delle Scienze (*Academy of Sciences*): via Accademia delle Scienze 6, and via Maria Vittoria 3, Turin; f. 1757; Pres. Prof. Giuseppe Grosso; publs. *Memorie, Atti* (yearly); library: *see* Libraries.

Accademia delle Scienze dell'Istituto di Bologna: via Zamboni 31, Bologna; f. 1711; 50 mems., 200 corresponding mems.; Pres. Prof. Giovanni Battista Pighi; Sec. Prof. Guido Grandi.

Accademia delle Scienze Mediche in Palermo: Policlinico, via Filiciuzza 35, Palermo; f. 1889; Pres. Prof. N. Leotta.

Accademia di Agricoltura di Torino (*Academy of Agriculture of Turin*): via Andrea Doria 10, Turin; f. 1785; library of 14,300 vols.; Dir. Barone Dott. Giovanni Donna d'Oldenico.

Accademia di Medicina di Torino (*Academy of Medicine*): via Po 18, Turin; f. 1946; Pres. Prof. Achille Dogliotti; Sec.-Gen. Prof. A. Beretta-Anguisossola.

Accademia di Scienze, Lettere ed Arti (*Academy of Sciences, Letters and Arts*): via Emerico Amari 162, Palermo; library of 14,000 vols.; Pres. Prof. E. di Carlo; Sec. Prof. B. Gulotta.

Accademia Economico-Agraria dei Georgofili (*Academy of Agrarian Economics*): Loggiato degli Uffizi, Florence; f. 1753; library of approx. 34,000 vols.; Pres. Prof. M. Gasparini; Librarian G. Vitali.

Accademia Etrusca: Palazzo Casali, Piazzo Signorelli, Cortona-Arezzo; Pres. Dott. Prof. P. Romanelli.

Accademia Filarmonica Romana (*Rome Philharmonic Academy*): via Flaminia 118, Rome; f. 1821; library of 1,500 vols.; Pres. Duca Filippo Caffarelli; Vice-Pres. Adriana Panni.

Accademia Italiana di Scienze Forestali: Piazza Edison II, Florence; f. 1952; Pres. Prof. G. Patrone.

Accademia Ligure di Scienze e Lettere (*Academy of Sciences and Letters*): via Balbi 10, Genoa; f. 1890; library of 30,000 vols.; Dir. Prof. B. Minoletti.

Accademia Medica: Policlinico Umberto I, Rome; f. 1876; library of 20,000 vols.; Pres. Prof. Pietro di Mattei; Sec. Prof. P. Stefanini.

Accademia Nazionale dei Quaranta (*National Academy of the Forty*): via del Castro Laurenziano 27, Rome; f. 1782 as the Italian Society of Sciences; 40 Italian, 12 foreign mems.; Pres. Prof. Domenico Marotta; Sec. Prof. Pasquale Pasquini; publ. *Rendiconti dell'Accademia Nazionale dei Quaranta* (annual).

Accademia Nazionale dei Sartori: via Due Macelli 73, Rome; Pres. Ciro Giuliano.

Accademia Nazionale di Agricoltura: via Farini 14, Bologna; f. 1807; 68 mems. and 124 corresponding mems.; library of 5,000 vols. and 7,500 pamphlets; Vice-Pres. Prof. Giuseppe Medici; Sec. Prof. Gian Franco Baldini; publ. *Atti* (quarterly and yearly).

Accademia Nazionale di Ragioneria: via Garibaldi 4, Bologna; f. 1813; Pres. V. Leonardi.

Accademia Nazionale di Santa Cecilia: via Vittoria 6, Rome; f. 1584; 70 national mems. and 30 foreign mems.; Pres. (Vacant).

Accademia Nazionale di Scienze, Lettere ed Arti: Palazzo Coccapani, Corso Vittorio Emanuele II 59, Modena; f. 1680; 40 mems., 60 corresponding mems., 30 honorary mems.; Pres. Prof. Antonio Pignedoli; publ. *Memorie.*

Accademia Petrarca di Lettere, Arti e Scienze (*Petrarch Academy of Letters, Arts and Science*): via dell' Orto, Arezzo; f. 1810; 413 mems.; library of 16,000 vols.; Pres. Prof. Mario Salmi; Sec. Alfredo Bennati; publs. *Atti e Memorie della Accademia, Studi Petrarcheschi.*

Accademia Spoletina: Palazzo Mauro, via Brignone, Spoleto; f. 1477; 10 honorary mems., 40 mems., and 150 corresponding mems.; library of 10,000 vols.; Pres. Dott. Prof. L. Pompili; publ. *Spoletium.*

Accademia Tiberina: via del Vantaggio 22, Rome; f. 1813; 100 mems. and up to 2,000 assoc. mems.; Pres. Ammiraglio Conte Marco Amici-Grossi.

Accademia Toscana di Scienze e Lettere la Colombaria (*La Colombaria Tuscan Academy of Science and Letters*): via S. Egidio 21, Florence; f. 1735; library of 7,000 vols.; Pres. Prof. Giacomo Devoto (1961-66); Gen. Sec. Prof. Paolo Graziosi (1960-67).

Accademia Virgiliana di Scienze, Lettere ed Arti di Mantova: via Accademia 47, Mantova; f. 1562, present name 1797; 75 mems, 90 corresp. mems.; library of 66,000 vols.; Pres. Prof. V. Colorni; Sec. Prof. A. Martinelli.

Accademie di Belle Arti, *see* Colleges of Art and Music at the end of the chapter.

LEARNED SOCIETIES

Agriculture and Veterinary Science

Associazione Forestale Italiana: via Salaria 30, Rome; Pres. Dott. G. Tripodo.

Istituto Nazionale di Genetica per la Cerealicoltura "N. Strampelli": via Cassia 176, Rome; Pres. E. Maoli; Dir. Prof. U. de Cillis.

Società Italiana delle Scienze Veterinarie: Facultà di Medecina Veterinaria, via Nizza 52, Turin; Sec. Prof. F. Monti.

Società Italiana di Economia Agraria: Istituto di Economia e Politica Agraria, Piazzale Cascine 18, Florence; f. 1862; 130 mems.; Pres. Prof. M. Tofani; publ. *Att* (annual).

Architecture and Town Planning

Centro Internazionale di Studi di Architettura "Andrea Palladio": Palazzo Valmarana-Braga, Corso Fogazzaro 16, Vicenza; f. 1959; to make known the work of Andrea Palladio, b. Vicenza 1508, and to encourage the study of Palladianism and of architecture of all ages; Pres. Avv. G. Cappelletti.

Istituto Nazionale di Architettura (IN-ARCH): Palazzo Taverna, via Monte Giordano 36, Rome; Pres. Dott. Ing. E. Battista.

Istituto Nazionale di Urbanistica (I.N.U.): via S. Caterina da Siena 46, Rome; f. 1930; 657 mems.; 1,831 Assoc. mems.; Pres. C. Ripamonti; Sec. Prof. Arch. B. Zevi; publ. *Urbanistica* (quarterly).

Italia Nostra—Associazione Nazionale per la Tutela del Patrimonio Storico Artistico e Naturale della Nazione (*Italia Nostra—National Association for the Defence of the Historical, Artistic and Natural Heritage of the Nation*): via Piemonte 39A, Rome; f. 1955; library of 14,000 vols.; Sec.-Gen. Prof. Renato Bonelli; publ. *Italia Nostra* (bi-monthly).

The Arts

Academia Española de Bellas Artes en Roma (*Spanish Fine Arts Academy in Rome*): Piazza San Pietro in Montorio 3 (Gianicolo), Rome; Dir. Prof. J. Valverde Lassarte.

Académie de France à Rome: Villa Médicis, viale Trinità dei Monti I, Rome; f. 1666; 15-21 artist mems. all former winners of the Premiers grands prix de Rome; library of 13,000 vols.; annual exhibitions at Rome and at Paris; Dir. Comte Balthus Klossowski de Rola; Sec.-Gen. Jean Mathieu; Librarian Janine Calisti.

Associazione Filatelica Italiana: via Vittorio Colonna 11, Rome; Pres. Dott. A. Diena.

Centro Internazionale delle Arti e del Costume (*International Centre of Arts and Costume*): Palazzo Grassi, Venice and 27 via Montebello, Milan; f. 1951; research and documentation of History of Costume and recent expressions of contemporary art; Pres. Prof. Axel Boethius; Sec.-Gen. Dott. Paulo Marinotti.

Consiglio Superiore delle Antichità e Belle Arti (*Council for Antiquities and Fine Arts*): Ministero della Pubblica Istruzione, viale Trastevere, Rome; five sections: Archæology, Palæontology, Ethnography, Pres. Prof. D. Mustilli; Medieval and Modern Art, Pres. Prof. Mario Salmi; Ancient Monuments and Nature Preservation, Pres. Prof. G. de Angelis D'Ossati; Contemporary Figurative Art and related schools, Pres. Prof. G. C. Argan; Music, Dramatic Art, Dance, etc., Pres. M. I. Napoli; Pres. of the Council, the Minister of Education; Vice-Pres. Prof. Mario Salmi; Sec. Dott. Lovanio Fratini.

Istituto di Studi Verdiani (*Institute of Verdi Studies*): strada della Repubblica 57, Parma; f. 1960 under the patronage of the International Music Council and the Italian Ministry of Education; to study the life and works of Giuseppe Verdi; public body from 1963; Pres. Ildebrando Pizzetti; Dir. Mario Medici; publs. *Bulletin* (quarterly), and books.

Istituto Italiano di Arti Grafiche (*Italian Institute of Graphic Art*): via S. Lazzaro 1, Bergamo; library of 15,000 vols.; Dir. Tito Legrenzi.

Istituto Italiano per la Storia della Musica: c/o Accademia di St. Cecilia, via Vittoria 6, Rome; Pres. Prof. L. Ronga; Sec.-Gen. Dott. R. de Rensis.

Istituto Universitario Olandese di Storia dell'Arte: viale Torricelli 5, Florence.

Kunsthistorisches Institut (*Institute for the Study of the History of Art*): via Giuseppe Giusti 44, Florence; f. 1888; library of 60,000 vols. and 200,000 reproductions; Dir. Dott. Ulrich Middeldorf.

Società Incoraggiamento Arti e Mestieri (*Society for the Encouragement of Arts and Crafts*): via S. Maria 18, Milan; f. 1843.

Società Italiana Musica Contemporanea: via Flaminia 141, Rome; Pres. R. Vlad; Sec. V. Fellegara.

Bibliography and Library Science

Associazione Italiana Biblioteche: Piazza Sonnino 5, Rome; f. 1930; 1,700 mems.; Pres. Dott. Ettore Apollonj; Sec. *a.i.* Dott. Giorgio de Gregori; publ. *Bolletino.*

Istituto di Patologia del Libro (*Bibliographical Institute*): via Milano 76, Rome; f. 1938; library of 5,000 vols.; Dir. Dott. E. Merenziama Vaccaro; publ. *Bollettino* (half-yearly).

Economics, Law and Politics

Associazione Italiana di Diritto Marittimo (*Italian Maritime Law Association*): Piazza Firenze 27, Rome; Sec.-Gen. Prof. R. Sandiford.

Cenacolo Triestino: Palazzo della Camera di Commercio, Trieste; academy of economic and social studies; Piazzo della Borsa 14, Trieste; academy of economic and social studies; publ. *Bollettino, and Osservatore Economico e Sociale.*

Istituto di Diritto Internazionale (*Institute of International Law*): Palazzetto Venezia, via San Marco 3, Rome; Pres. Prof. G. Morelli; Sec. Prof. R. Sandiford.

Istituto di Diritto Romano: via Carlo Tavrolacei 5, Rome; f. 1888; Dir. Prof. Salvatore Riccobono; publ. *Bollettino.*

Istituto di Diritto Romano e dei Diritti dell' Oriente Mediterraneo: Facoltà di Giurisprudenza, Città Universitaria, Rome; f. 1937; library of 20,000 vols.; Dir. Prof. Emilio Betti; Librarian Dott. Jole Vernacchia Galli; Curator Domenico Moglioni.

Istituto di Economia Politica: Palazzo Universitario, L'Aquila; Dir. Prof. F. Pitigliani; Sec. Prof. M. Cremonese.

Istituto di Studi Europei "Alcide de Gasperi": viale Pola 12, Rome; Dir. Avv. L. Benvenuti; Sec. Dott. A. Varlaro Sinisi.

Istituto di Studi sul Lavoro: Palazzo della Civiltà del Lavoro, Quadrato della Concordia, Rome, E.U.R.; Pres. Avv. A. Marazza; Sec.-Gen. Avv. G. Santoro.

Istituto Italiano di Diritto Spaziale: via Giulia 251, Rome; Pres. Avv. P. Mango; Sec.-Gen. Dott. E. Scifoni.

Istituto per gli Studi di Politica Internazionale: via Clerici 5, Milan; f. 1934 for the promotion of the study and knowledge of all problems concerning international relations; seminars at post-graduate level; library of 40,000 vols.; Pres. Dott. Alberto Pirelli; Gen. Dir. Dott. Gerelamo L. Bassani; publs. *Relazioni Internazionali* (weekly), *Diritto Internazionale* (quarterly), *Annuario di Politica Internazionale* (yearly) and series of books.

Istituto per il Rinnovamento Economico (I.R.E.): via Firenze 38, Rome; Pres. G. di Domenico.

Istituto per l'Economia Europea: via V. Bellini 22, Rome; f. 1960; 40 mems.; Pres. G. Paratore; Sec.-Gen. Prof. G. Stammati.

Istituto per l'Oriente: via Alberto Caroncini 19, Rome; f. 1921; Pres. Prof. R. Giasca; Dir. Prof. M. Nallino.

Società Italiana degli Economisti: via Caffaro 3/8, Genoa; f. 1950; 92 mems., all full professors; Pres. Prof. Travaglini; Sec.-Gen. Prof. D'Alauro; publ. *Bollettino.*

Società Italiana di Economia Demografia e Statistica: via Cesare Balbo 16, Rome; Pres. Prof. Gustavo del Vecchio; Sec.-Gen. Prof. S. Somogyi.

Education

Associazione Nazionale Professori Universitari di Ruolo: via di Santa Costanza 46, Rome; Pres. Prof. A. Pincherle.

Associazione Nazionale Professori Universitari Incaricati: Presso Prof. D. de Filippo, via Medaglie d'Oro 48, Modena.

Centro Didattico Nazionale di Studi e Documentazione: via Buonarroti 10, Florence; f. 1941; pedagogy, psychology, didactics, manual aids; Pres. Prof. GIOVANNI CÀLO; Vice-Pres. Prof. LUIGI CAMPEDELLI; Dir. Prof. ENZO PETRINI.

HISTORY, GEOGRAPHY AND ARCHÆOLOGY

Associazione Archeologica Romana (*Roman Archœological Society*): Vicolo del Governo Vecchio 8, Rome; f. 1902; 500 mems.; Pres. Prof. PIETRO ROMANELLI; Sec. CLAUDIO MOCCHEGIANI CARPANO.

Comitato Glaciologico Italiano (*Italian Glaciological Committee*): Palazzo Carignano, Turin; Pres. Prof. G. DE MARCHI.

Deutsches Archäologisches Institut (*German Archaeological Institute*): via Sardegna 79, Rome; 76,000 vols.; Dir. Dott. HELMUT SCHLÄGER; Librarian Dott. HANS-HERBERT VÖLKER.

Ecole Française de Rome: Piazza Farnese 67, Rome; f. 1873; French Archæological and Historical School; library of 160,000 vols.; Dir. PIERRE BOYANCÉ; Librarians NOËLLE POINÇON DE LA BIANCHARDIÈRE and OLIVIER MICHEL; Gen.-Sec. ANDRÉ GUILLON; publs. *Mélanges d'Archéologie et d'Histoire* (biennial), *Suppléments*.

Istituto di Archaelogia e Storia dell'Arte: viale XXX Aprile 33, Rome; Dir. Prof. H. P. L'ORANGE.

Istituto di Genealogia e Araldica: via Antonio Cerasi 5A, Rome; f. 1963; 30 mems.; Pres. Principe C. L. GONZAGA DI VESCOVATO; Sec.-Gen. Baron JEAN CARBONELLI DI LETINO; publ. *Bollettino*.

Istituto di Studi Etruschi ed Italici (*Institute for Etruscan and Italian Studies*): Piazza della SS. Annunziata 9B, Florence; f. 1926; library of 3,629 vols.; Pres. Prof. LUISA BANTI; Vice-Pres. Prof. MASSIMO PALLOTTINO; Sec. Prof. GIACOMO CAPUTO.

Istituto Geografico Militare: via C. Battisti 10, Florence; f. 1882; Dir. Brig. Gen. ERNESTO LENZI.

Istituto Italiano di Numismatica: Palazzo Barberini, via Quattro Fontane 13, Rome; Pres. Prof. LAURA BREGLIA.

Istituto Italiano di Paleontologia Umana: Università degli Studi, Rome; Pres. F. PELLATI; Sec. Gen. Prof. L. GARDINI.

Istituto Italiano per la Storia Antica: via Milano 76, Rome; Pres. Prof. A. FERRABINO.

Istituto Nazionale di Archeologia e Storia dell'Arte: Piazza San Marco 49, Rome; Commissioner Prof. G. LUGLI; Sec. Dott. EMMA ZOCCA.

Istituto Papirologico "Girolamo Vitelli": Università degli Studi, Florence; f. 1908; study of Greek and Latin papyri; library of 9,000 vols.; Dir. Prof. VITTORIO BARTOLETTI; Curator Dr. IGINIO CRISCI; publ. *Papiri Greci e Latini della Societa Italiana* (*P.S.I.*).

Istituto per la Storia del Risorgimento Italiano: Vittoriano, Rome; f. 1935; 3,400 mems.; Pres. Prof. A. M. GHISALBERTI; Sec.-Gen. Prof. E. MORELLI; publ. *Rassegna storica del Risorgimento*.

Istituto Storico Germanico (*German Historical Institute*): corso Vittorio Emanuele 209, Rome; f. 1888; library of 40,000 vols.; Dir. Prof. G. TELLENBACH.

Istituto Storico Italiano per il Medio Evo (*Italian Institute of Medieval History*): Piazza dell' Orologio 4, Rome; f. 1883; library of 28,000 vols.; Pres. Prof. RAFFAELLO MORGHEN; Sec.-Gen. Prof. ARSENIO FRUGONI; publs. *Bulletino, Fonti per la Storia d'Italia, Regesta Chartarum Italiae, Studi Storici*.

Istituto Storico Italiano per l'Età Moderna e Contemporanea: via Michelangelo Caetani 32, Rome; Pres. Prof. R. CIASCA; Sec. Dott. M. SANDIROCCO.

Istituto Storico Olandese (*Netherlands Historical Institute*): via Omero 10-12—Valle Giulia, Rome; f. 1904; library of 20,000 vols.; Dir. Dott. J. J. POELHEKKE.

Istituto Svedese di Studi Classici (*Swedish Institute for Classical Studies*): via Omero 14-Valle Giulia, Rome; f. 1926; library of 19,132 vols.; Dir. B. E. THOMASSON; Librarian M. GINO FILIPETTO.

Società di Minerva: Piazza Hortis 4, Trieste; f. 1810 for the study of the history, art and culture of Trieste, Istria and Gorizia; 130 mems.; Pres. DOMENICO Conte ROSSETTI DE SCANDER; Sec. A. CIANA.

Società di Studi Geografici (*Society for Geographical Studies*): via Laura 48, Florence; f. 1895; library of 4,000 vols.; Sec. Dott. VERA ARMIGNACCO.

Società Geografica Italiana: Villa Celimontana, via della Navicella 12, Rome; f. 1867; Pres. Prof. RICCARDO RICCARDI; publ. *Bollettino*; library: *see* Libraries.

Società Napoletana di Storia Patria: Piazza Municipio Maschio Angioino, Naples; f. 1876; 450 mems.; Pres. Prof. ERNESTO PONTIERI; Sec. Dott. ALDA CROCE; publ. *Archivio Storico per le Province Napoletane*.

INTERNATIONAL CULTURAL INSTITUTES

(*See also* under Archæology, Art, Classics, History and Literature, Libraries).

Academia Belgica: via Omero 8, Rome; f. 1939; library of 66,102 vols.; research centre and residence; Dir. Prof. CH. VERLINDEN; publ. *Bulletin de l'Institut Historique belge de Rome*.

Accademia Americana (*American Academy in Rome*): via Angelo Masina 5, Rome; f. 1897; library of 70,000 vols.; Dir. RICHARD A. KIMBALL; Sec. MARGHERITA ROSPIGLIOSI; Librarian INEZ LONGOBARDI.

Accademia Tedesca: Villa Massimo, Largo di Villa Massimo 1-2, Rome; Dir. Prof. H. GERICKE.

British Council, The: Regional offices:

Palazzo del Drago, via delle Quattro Fontane 20, Rome; f. 1945; library of 25,000 vols.; Rep. D. A. A. TRAVERSI, O.B.E.

British Institute: via Manzoni 43, Milan; library of 12,000 vols.; Dir. E. R. LLOYD.

British Institute: Riviera di Chiaia 85, Naples; Dir. J. A. MCKENNA.

British Institute: Palazzo Antinori, Florence; f. 1917; courses in language, literature, history, philosophy, etc.; cultural activities; 1,300 students; library of 30,000 vols.; Chair. Sir ASHLEY CLARKE; Dir. IAN GREENLEES.

British Institute: Valle Giulia, Rome; 1,200 students; library of 40,000 vols.; Dir. C. GORDON GOLDIE.

British School at Rome: via Gramsci 61, Rome; f. 1901, inc. by Royal Charter 1912; Dir. J. B. WARD PERKINS, C.B.E., F.B.A.; publ. *Papers of the British School at Rome* (annual).

Casa de Cervantes: via del Collegio di Spagna 4A, Bologna.

Centre Culturel Française: Piazza Campitelli 3, Rome; Librarian A. ROTH.

Centre Français d'Etudes et d'Information: via Bigli 2, Milan; Dir. JACQUES METTRA.

Centro di Cultura Tedesca: viale della Libertà 52, Palermo; f. 1963; Dir. Dr. W. PEISER.

Deutsches Kulturinstitut: via Coroneo 15, Trieste; f. 1961; Dir. Dr. G. MARTENS.

Deutsches Kulturinstitut: Riviera di Chiaia 202, Naples; f. 1961; Dir. Dr. RUDOLF B. EPPEL; also at Turin; via Donati 1.

Institución Teresiana en Roma (*Spanish Institute*): Rome.

Instituto Español de Santiago (*Spanish Institute*): via di San Giacomo 40, Naples; Dir. Prof. M. FERNANDEZ.

Istituto Austriaco di Cultura in Roma (*Austrian Institute of Culture in Rome*): viale Bruno Buozzi 113, Rome; f. 1881; library of 16,000 vols.; Dir. Dr. HERMANN FILLITZ; publ. *Römische Historische Mitteilungen*.

Istituto Culturale Italo-Braziliano: Palazzo Doria Pamphili, Piazza Navona 14, Rome; Dir. Prof. M. MENDES.

Istituto Danese di Cultura (*The Danish Institute*): via Zanardelli 1, Rome; Milan Office: via Dogana 2; Dir. Prof. PER KRARUP.

Istituto Giapponese di Cultura: via Antonio Gramsci 74, Rome; f. 1962; library of 7,000 vols.; Dir. Prof. SHIGEICHI KURE; Admin.-Sec. AKIRA TAKASHIMA; publ, *Annuario*.

Istituto Italiano di Studi Germanici (*Italian Institute for Germanic Studies*): via Calandrelli 25, Rome; f. 1932; library of 30,000 vols.; Dir. Prof. B. TECCHI.

Istituto Italiano per l'Africa: via Ulisse Aldrovandi 16, Rome; Pres. Prof. S. FODERARO; Sec.-Gen. Dott. M. DORATO.

Istituto Svizzero di Roma: via Ludovisi 48, Rome; Dir. Prof. P. COLLART.

Istituto Venezuelano Italiano di Cultura: Palazzo Farnesina, Lungotevere Diaz, Rome; Dir. Dott. G. A. DE FRANCESCO.

Istitutum Romanum Finlandiae: Villa Lante, Passeggiata del Gianicolo 10, Rome; f. 1938; Roman history; Dir. Dott. PATRICK BRUUN.

Polska Akademia Nauk (*Polish Academy of Sciences*): Vicolo Doria 2, Rome; f. 1886, library of 30,000 vols.; 60,000 photographs; Dir. Dott. BRONISŁAW BILIŃSKI; Librarian Dott. MARIA RECZEK.

Real Colegio de San Clemente de los Españoles (*Royal College of St. Clement's—Spanish*): via del Collegio di Spagna 4, Bologna.

Svenska Institutet i Rom (*Swedish Institute in Rome*): via Omero 14, Rome; library of 20,398 vols.; Dir. Prof. B. E. THOMASSON; Librarian GINO FILIPETTO; courses for students of classical philology, archæology and ancient history.

U.S. Information Centers: 62 via Veneto, Rome; also at Milan and Palermo.

LANGUAGE AND LITERATURE

Instituto Español de Lengua y Literatura (*Spanish Institute*): via della Rotonda 26, Rome.

Istituto Italiano di Studi Germanici: via Calandrelli 25, Rome; Pres. Prof. G. U. PAPI; Dir. Prof. B. TECCHI.

Keats-Shelley Memorial Association: Piazza di Spagna 26, Rome; f. 1909; library of 6,950 vols.; Dir. Dott. VERA SIGNORELLI CACCIATORE; publs. *Bulletin, Journal*.

P.E.N. International Centre: via M. Clementi 64, Rome; Sec.-Gen. ROSARIO ASSUNTO.

Società Dante Alighieri: Palazzo di Firenze, Piazza Firenze 27, Rome; f. 1889; Sec.-Gen. F. CAPARELLI.

Societá Dantesca Italiana (*Italian Dante Society*): via dell' Arte della Lana 1, Florence; f. 1888; library of 7,000 vols.; Dir. Prof. GIANFRANCO CONTINI; publ. *Studi Danteschi*.

Società Filologica Romana: Città Universitaria, Rome; f. 1901; library of 8,000 vols.; Pres. Prof. Dott. MARIO POLAEZ; publ. *Studi Romanzi*.

Società Letteraria (*Literary Society*): Piazzetta Scalette Rubiani 1, Verona; f. 1808; library of 107,000 vols.; Dir. Avvocato ALFONSO BALIS CREMA; publ. *Bollettino* (annually).

MEDICINE

Accademia Italiana di Medicina Forense: via Barberini 29, Rome.

Associazione Dietetica Italiana (ADI): via dei Penitenzieri 13, Rome; Sec.-Gen. Prof. E. SERIANNI.

Associazione Forense Italiana: Palazzo Giustizia, Piazza Cavour, Rome; Pres. Avv. G. NARDELLI.

Associazione Italiana di Medicina Aeronautica e Spaziale: via Piero Gobetti 2-A, Rome; Sec.-Gen. Prof. ARISTIDE SCANO.

Istituto Sieroterapico Milanese (*Milan Serum Institute*): via Darwin 20, Milan; f. 1896; library of 22,000 vols.; Dir. Prof. A. DE BARBIERI.

Società Italiana di Anestesiologia: Corso Bramante 83, Turin; Pres. Prof. E. CIOCATTO; Sec.-Gen. Prof. M. QUERCI.

Società Italiana di Cancerologia: Istituto di Anatomia, Università di Napoli, via L. Armanni 5, Naples; Pres. Prof. P. VERGA; Sec. Prof. P. BUCALOSSI.

Società Italiana di Chirurgia: Clinica Chirurgica Umberto 1, Policlinico, Rome; Pres. Prof. E. RUGGIERI.

Società Italiana di Epatologia: via Nicolò Porpora 9, Rome; Pres. Prof. L. CONDORELLI; Sec. Prof. CLAUDIO CERVINI.

Societa Italiana di Medicina del Traffico: viale dell'Università 32, Rome; f. 1958; 557 mems.; Pres. Prof. CESARE GERIN; Vice-Pres. Prof. FERNANDO ANTONIOTTI.

Società Italiana di Medicina del Lavoro: via Boezio 24, Pavia; f. 1906; 850 mems.; Pres. Prof. SALVATORE MAUGERI.

Società Italiana di Medicina Interna: Clinica Medica, Policlinico Umberto 1, Rome; Pres. Prof. L. VILLA; Sec. Prof. A. POZZI.

Società Italiana di Medicina Legale e delle Assicurazioni: viale dell'Università 32, Rome; Pres. Prof. C. CATTABENI; Sec. Prof. R. POZZATA.

Società Italiana di Medicina Sociale: Clinica Ostetrica e Ginecologica dell' Università, Policlinico Umberto 1, Rome; Pres. Prof. E. MAURIZIO; Sec.-Gen. Prof. C. PALENZONA.

Società Italiana di Neurologia: via Gen. Orsini 40, Naples; Sec. Prof. ENZO VALENTINO.

Società Italiana di Odontostomatologia e Chirurgia Maxillo-Facciale: Clinica Odontoiatrica, Corso Polonia 2, Turin; f. 1957; 865 mems.; Pres. Prof. B. ROCCIA; Sec. Prof. GIORGIO RE; publ. *Minerva Stomatologica* (monthly).

Società Italiana di Ortopedia e Traumatologia: presso Clinica Ortopedica, Università, Piazzale delle Scienze 7, Rome; f. 1906; 1,199 mems.; Pres. Prof. CALOGERO CASUCCIO.

Società Italiana di Ostetricia e di Ginecologia: Policlinico Umberto 1, Rome; Pres. Prof. E. MAURIZIO.

Società Italiana di Radiologia Medica e Medicina Nucleare: Istituto Radiologia Università, Ospedale S. Martino, Genoa; Pres. Prof. GASTONE MELDOLESI; Sec. Prof. L. OLIVA.

Società Italiana di Reumatologia: Istituto di Clinica Medica Università, Milan; Pres. Prof. A. LUNEDEI; Sec.-Gen. Prof. C. B. BALLABIO.

Società Italiana di Scienze Farmaceutiche: via Giorgio Jan 18, Milan; f. 1953; 500 mems.; Pres. DOMENICO MAROTTA; Exec.-Sec. Prof. ALBERTO SOLDI; publ. *Cronache Farmaceutiche* (bi-monthly).

Società Italiana di Stomatologia: via Savoia 78, Rome; Sec.-Gen. Dr. P. LALLI.

Società Medico-Chirurgica (*Society of Surgery*): Piazza Galvani 1, Bologna; library of 8,000 vols.; Dir. Dott. ALESSANDRO BUSCAROLI.

Natural Sciences

General

Gruppo Italiano di Storia della Scienza (*Italian History of Science Group*): via San Leonardo 72, Florence; Pres. Prof. V. Ronchi.

Istituto di Studi Adriatici (*Institute of Adriatic Studies*): 1364 A riva 7 Martiri, Venice; Pres. Prof. G. Ferro.

Istituto Superiore di Scienze Storiche "Ludovico Muratori": via Pallone 9, Verona; Pres. Prof. L. Vecchiato; Dir. Prof. P. Vaccari.

Società Adriatica di Scienze (*Adriatic Society of Sciences*): via San Giorgio 3, Trieste; Pres. Prof. Elvezio Ghirardelli.

Società Italiana di Scienze Naturali (*Italian Society of Natural Sciences*): presso il Civico Museo di Storia Naturale, Corso Venezia 55, Milan; f. 1857; library of 7,500 vols. and 700 periodicals; Sec. E. de Michele; publs. *Atti, Natura, Memorie.*

Società Italiana per il Progresso delle Scienze: Piazzale delle Scienze 7, Rome; f. 1839; library of 30,000 vols.; Pres. On. Gaetano Martino; Sec.-Gen. Prof. Biagio Pesce.

Società Toscana di Scienze Naturali (*Tuscan Society of Natural Sciences*): via S. Maria 31, Pisa; f. 1874; library of 40,000 vols.; Sec.-Gen. Prof. Stefano Bonatti; publ. *Memorie* (two vols. per year).

Biological Sciences

Erbario Centrale Italiano (*Central Italian Herbarium*): via Lamarmora 4, Florence; Dir. Prof. Eleonora Francini-Corti.

Istituto Nazionale di Entomologia (*National Institute of Entomology*): via Catone 34, Rome; f. 1940; Pres. pro tempore Prof. Pasquale Pasquini; publ. *Frammenta Entomologica.*

Società Botanica Italiana (*Italian Botanical Society*): via Lamarmora 4, Florence; f. 1888; library of 6,850 vols.; Pres. Prof. Sergio Tonzig; Sec. Prof. Roberto Corti.

Società Entomologica Italiana (*Italian Entomological Society*): Museo Civico di Storia Naturale, via Brigata Liguria 9, Genoa; f. 1869.

Società Italiana di Genetica ed Eugenica: via Terme di Diocleziano 10, Rome; f. 1919; Hon. Pres. Prof. Corrado Gini; Pres. Prof. A. Poriña (Colon 627, Cordoba, Argentina).

Mathematics

Istituto Centrale di Statistica (*Central Institute of Statistics*): via Cesare Balbo 16, Rome; f. 1926; library of 91,000 vols.; Dir.-Gens. G. Marino and G. Barsanti; publs. *Annuario, Compendio* (yearly), *Bollettino* (monthly), Yearbooks on main statistics, etc.

Istituto Nazionale di Alta Matematica: Città Universitaria, Rome; f. 1939; Dir. (Vacant); publ. *Rendiconti di Matematica e delle sue applicazioni.*

Società Italiana di Statistica: Piazza S. Bernardo 101; Rome; f. 1939; Pres. (Vacant); Gen. Sec. Dott. Giuseppe Pistilli.

Physical Sciences

Associazione Geofisica Italiana: presso C.N.R., Piazzale delle Scienze 7, Rome; Pres. Prof. G. Imbo.

Istituto Biochimico Italiano (*Italian Biochemical Institute*): via Brembo 59, Milan; f. 1918; library of 12,000 vols.

Istituto Idrografico della Marina (*Institute of Marine Hydrography*): Passo all' Osservatorio 4, Genoa; f. 1875; library of 30,000 vols.; Dir. Prof. P. Massardo.

Istituto Italiano di Idrobiologia "Marco de Marchi" (*Italian Hydrobiological Institute*): Verbania, Pallanza; Pres. On. Sen. Raffaele Cadorna; Dir. Prof. Dott. Vittorio Tonolli.

Istituto Italiano di Storia della Chimica: via G. B. Morgagni 32, Rome; Pres. Prof. M. Talenti; Sec.-Gen. Prof. A. Vitolo.

Istituto Nazionale di Geofisica (*National Institute of Geophysics*): Città Universitaria, Rome; Dir. Prof. E. Medi.

Istituto Nazionale di Ottica (*National Optics Institute*): via San Leonardo 79, Florence; f. 1927; Dir. Prof. Vasco Ronchi.

Servizio Geologico d'Italia (*Italian Geological Survey*): Largo Santa Susanna, n. 13, Rome; f. 1869; library of 100,000 vols.; Dir. Enzo Beneo.

Società Astronomica Italiana (*Italian Astronomical Society*): via Brera 28, Milan; f. 1920; 289 mems.; Pres. Prof. Giorgio Abetti; Sec. Cesare Lombardi; publ. *Memorie.*

Società Chimica Italiana: viale Liegi 48, Rome; f. 1919; Sec.-Gen. Prof. R. Monacelli; publs. *Gazzetta Chimica Italiana, Annali di Chimica, La Chimica e l'Industria.*

Società Geologica Italiana: Istituto Geologico, Città Universitaria, Rome; f. 1881; Sec. Dott. Francesco Dragone.

Società Italiana di Fisica (*Italian Physics Society*): c/o Istituto di Fisica, Università, via Irnerio 46, Bologna; 820 mems.; library of 5,600 vols.; Pres. Prof. G. Bernardini; Sec.-Gen. Prof. G. Germana; publs. *Il Nuovo Cimento* (fortnightly), *Supplemento al Nuovo Cimento, Bollettino della Società Italiana di Fisica* (both irregular), *Giornale di Fisica* (quarterly).

Ufficio Centrale di Meteorologia e di Ecologia Agraria (*Meteorological and Ecological Centre*): Ministero di Agricoltura, via del Carovita 7A, Rome; controls the following observatories: Catania, Monte Rosa, Sperimentale di Bari, Sperimentale di Verona; Dir. Prof. Giorgio Roncali.

Philosophy and Psychology

Associazione Nazionale Filosofia, Arti e Scienze: via Oberdan 15, Bologna; f. 1957; Sec.-Gen. C. Genovese; publ. *Quaderni FAS.*

Istituto Lombardo Accademia di Scienze e Lettere: via Brera 28, Milan; f. 1803; 260 mems.; library of 180,000 vols., 330 Italian periodicals, 600 foreign periodicals; Pres. Prof. Giulio de Marchi; Vice-Pres. Prof. Aristide Calderini; Secs. (Letters) Prof. Pietro Vaccari, (Science) Prof. Silvio Ranzi; publs. *Rendiconti, Memorie.*

Istituto Veneto di Scienze, Lettere ed Arti (*Venetian Institute of Science, Letters and Arts*): Campo S. Stefano 2945, Venice; f. 1838; library of 158,000 vols.; Pres. Prof. Francesco Marzolo; publs. *Atti, Memorie.*

Società di Letture e Conversazioni Scientifiche (*Scientific Society*): Piazza Fontane Marose 6, Genoa; f. 1866; library of 15,310 vols.; Dir. P. Bozzo-Costa.

Società Italiana di Parapsicologia: via dei Montecatini 7, Rome; f. 1937; 240 mems.; Pres. Prof. Stefano Somogyi; publs. *Giornale Italiana per la Ricerca psichica* (three times a year), *Studi e Problemi di Parapsicologia* (annually).

Società Italiana per gli Studi Filosofici e Religiosi: presso l'Università Cattolica del Sacro Cuore, Piazza S. Ambrogio 9, Milan; library of 25,618 vols.; Pres. Prof. Gustavo Bontadini; Librarian Dott. Ruggero Orfei.

Societá Nazionale di Scienze, Lettere ed Arti—Ex-Societá Reale (*National Society of Science, Arts and Letters*): via Mezzocannone 8, Naples; library of 9,875 vols.; Pres. Prof. E. Pontieri; Sec.-Gen. Prof. A. Scherillo.

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

Associazione Italiana di Scienze Sociali: c/o Istituto Nazionale di Psicologia del CNR, Piazzale delle Scienze 7, Rome; Sec.-Gen. Prof. L. MESCHIERI.

Comitato Italiano per lo Studio dei Problemi della Popolazione (*Italian Committee for the Study of Population Problem.*): via delle Terme di Diocleziano 10, Rome; Pres. Prof. V. CASTELLANO.

Fondazione Internazionale Eugenio Balzan: Secretariat: Corso Porta Nuovo 3, Milan; also Paradeplatz 6, Zürich, Switzerland; f. 1956; prizes and funds used as a contribution towards peace and a better understanding of the arts and sciences; Pres. P. ENRICO ZUCCA; Sec. ALDO DANIELI.

Fondazione Marco Besso (*Marco Besso Foundation*): Largo Argentina 11, Rome; library of 58,000 vols.; Pres. Dott. F. VIVALDI.

Institut International de Sociologie: via Terme di Diocleziano 10, Rome; Pres. Prof. C. GINI.

Istituto Italiano di Antropologia (*Italian Institute of Anthropology*) (formerly Società Romana di Antropologia): Città Universitaria, Rome; f. 1893; Pres. Prof. VITTORIO PUNTONI; Technical Dir. and Sec. Prof. SERGIO SERGI; publ. *Rivista di Antropologia.*

Istituto Italiano per il Medio e l'Estremo Oriente (I.S.M.E.O.) (*Italian Institute for the Middle and Far East*): Palazzo Brancaccio, via Merulana 248, Rome; f. 1933; Pres. Prof. GIUSEPPE TUCCI; Gen. Sec. Capt. I. N. R. MARIANO IMPERIALI; a library and museum of oriental art are attached to the Institute; publs. *East and West* (quarterly), *Rome Oriental Series, Nuovo Ramusio, Cina.*

Istituto Superiore di Scienze della Opinione Pubblica: viale Pola 12, Rome; branches in Milan and Turin; Pres. Prof. E. MARTINO; Sec.-Gen. Prof. F. PRODAM.

Istituto Universitario Orientale (*Oriental Institute*): Piazza San Giovanni Maggiore 30, Naples; f. 1888; library of 63,646 vols.; Dir. Prof. A. BOMBACI.

Società di Etnografia Italiana: Palazzo delle Tradizioni Popolari, E.U.R., Rome; f. 1911 to investigate the folklore of Italy; library of 4,000 vols.; 170 mems.; Sec. Prof. BIANCA MARIA GALANTI; publ. *Lares* (quarterly).

Società Italiana di Sociologia: via Terme di Diocleziano 10, Rome; f. 1937; Pres. Prof. CORRADO GINI.

TECHNOLOGY

Associazione Elettrotecnica ed Elettronica Italiana (AEI) (*Italian Electrotechnical and Electronic Association*): via S. Paolo 10, Milan; f. 1896; Pres. D. TOLOMEO; publs. *L'Elettrotecnica, Alta Frequenza* (monthly).

Associazione Italiana per le Scienze Astronautiche: via Borghesano Lucchese 24, Rome; Pres. Prof. V. RONCHI.

Associazione Nazionale di Ingegneria Nucleare: Piazza Sallustio 24, Rome; Sec.-Gen. Dott. ENZO IANSITI.

Comitato Elettrotecnico Italiano (C.E.I.) (*Italian Electrotechnical Committee*): via S. Paolo 10, Milan; Pres. G. SOMEDA.

Comitato Termotecnico Italiano (C.T.I.) (*Italian Thermotechnical Committee*): c/o Istituto di Fisica Tecnica, Politecnico, Turin; Pres. Dott. AMEDEO CUTTICA.

Ente Nazionale Italiano di Unificazione (U.N.I.) (*Italian National Standards Association*): Piazza Diaz 2, Milan; Dir. Dott. ALBINO ZAMBONI.

Istituto di Studi Nucleari per L'Agricoltura (I.S.N.A.): Piazzale Clodio 32, Rome; Pres. Avv. A. MARAZZA; Sec.-Gen. Avv. G. GESUALDI.

Istituto Elettrotecnico Nazionale "Galileo Ferraris" (*The Galileo Ferraris National Electrotechnical Institute*): Corso Massimo d'Azeglio 42, Turin; f. 1953; Pres. Dott. G. BONO.

Istituto Italiano del Marchio di Qualità (*Italian Quality Institute*): viale Misurata 61, Milan; Pres. Dott. GIUSEPPE BAUCHIERO.

Istituto Italiano della Saldatura (*Italian Welding Institute*): viale Sauli 3/5, Genoa; f. 1948; 800 mems.; Pres. Prof. G. CORBELLINI; publ. *Rivista Italiana della Saldatura.*

Società Italiana di Ergonomia: viale Regina Margherita, Rome; Sec.-Gen. MARIO MONTI.

Unione Romana Ingegneri e Architetti (*Roman Society of Engineers and Architects*): via Fontanella Borghese 56, Rome; f. 1873; library of 15,000 vols.

RESEARCH INSTITUTES

CONSIGLIO NAZIONALE DELLE RICERCHE (C.N.R.)
(National Research Council of Italy)

PIAZZALE DELLE SCIENZE 7, ROME

Founded 1923

Objects: (1) to promote and co-ordinate scientific research in the field of mathematical, physical and natural sciences, both pure and applied (inclusive of engineering, medicine and agriculture, and exclusive of nuclear research); (2) to make grants-in-aid to scientific institutes or to individual research workers; (3) to advise the various ministries on scientific and technical matters.

President: Prof. VINCENZO CAGLIOTI.

Secretary-General: Dott. FRANCO ROLLA.

Presidential Council (Consiglio di Presidenza): 14 mems.: the President, the 11 Chairmen of the National Consultative Committees, the Governor of the Bank of Italy and the Secretary-General of the C.N.R.; the Presidential Council is responsible for scientific and technical administration.

Administrative Board (Giunta Amministrativa): 5 mems.: the President, the Chairmen of 2 National Consultative Committees, the Governor of the Bank of Italy and the Secretary-General of the C.N.R.; the Board is responsible for the economic and financial administration of the C.N.R.

National Consultative Committees (Comitati Nazionali di Consulenza): The field of activities of the C.N.R. is being extended to include social and other sciences. There will be 11 divisions (Mathematics; Physics; Chemistry; Biology and Medicine; Geology and Mining; Agriculture; Engineering and Architecture; History, Philosophy and Philology; Juridical and Political Sciences; Economics, Sociology and Statistics; Technological Research) with 140 members, to be elected in January 1964. Until the change is completed the present divisions (the first seven), with 40 members, continue.

Study Commissions: at present 48; appointed by the President to deal with certain problems.

National Institutes: (7 in own premises) and

Research Centres: 71 (of which 16 are divided in 59 sections, mostly housed in universities listed below.

Research Groups: 127.

Centro Nazionale di Documentazione Scientifica (National Scientific Documentation Centre): bibliographical and documentary information; microfilm and translation services; Dir. Dott. MARIA PIA CAROSELLA; Library, *see* Libraries.

NATIONAL INSTITUTES AND RESEARCH CENTRES:

Presidential Council

Centro Oceanografico Italiano (*Italian Oceanographical Centre*):
- Section 1: Centro Studi Talassografici, Riva 7 Martiri, Venice; Dir. Prof. BRUNO BATTAGLIA.
- Section 2: Osservatorio Geofisico Sperimentale, Trieste.
- Section 3: Nave Oceanografica, "Bannock".

Mathematical Sciences

Istituto Nazionale per le Applicazioni del Calcolo (INAC) (*National Institute for Applied Calculus*): C.N.R., piazzale delle Scienze 7, Rome; Dir. Prof. ALDO GHIZZETTI.

Physical Sciences

Istituto Nazionale di Ultracustica "O. M. Corbino" (*National Ultrasonics Institute*): C.N.R., piazzale delle Scienze 7, Rome; Dir. Prof. AMEDEO GIACOMINI.

Centro di Studio per l'Astrofisica (*Research Centre for Astrophysics*):
- Section 1: Astrophysical Observatory of Arcetri (Florence), via S. Leonardo 75; Dir. Prof. GUGLIELMO RIGHINI.
- Section 2: Astrophysical Observatory of Asiago; Dir. Prof. LEONIDA ROSINO.
- Section 3: Astronomical Observatory of Merate; Dir. Prof. FRANCESCO ZAGAR.
- Section 4: Astrophysical Observatory of Monte Porzio (Rome); Dir. Prof. LIVIO GRATTON.

Centro di Studio Calcolatrici Elettroniche (*Research Centre for Electronic Computers*): piazza Torricelli 2, Pisa; Dir. Prof. GIANFRANCO CAPRIZ.

Centro di Studio per l'Elettrofisica (*Electrophysical Research Centre*): Istituto di fisica superiore dell'Università, via P. Giuria 1, Turin; Dir. Prof. ROMOLO DEAGLIO.

Centro Nazionale per la Fisica della Atmosfera e la Meteorologia (*National Centre for Meteorology and Atmospheric Physics*): piazzale Luigi Sturzo 31, Rome; Dir. Prof. MAURIZIO GIORGI.

Centro di Studio di Fisica Macromolecolare (*Macromolecular Research Centre*): Istituto di chimica fisica dell'Università, via Selmi 2, Bologna; Dir. Prof. GIOVANNI SEMERANO.

Centro di Studio per la Fisica delle Microonde (*Microwave Research Centre*): Florence, via Panciatichi 56; Dir. Prof. NELLO CARRARA.

Chemical Sciences

Istituto Nazionale di Chimica (*National Chemistry Institute*), Istituto chimico dell'Università, Città Universitaria, Rome; Pres. Prof. VINCENZO CAGLIOTI.
- Section 1: Chimica delle Macromolecole (*Macromolecular Chemistry*).
- Section 2: Chimica delle Sostanze Organiche Naturali (*Chemistry of Natural Organic Substances*).
- Section 3: Chimica dei Composti di Coordinazione ed Elemento Organici (*Chemistry of Co-ordination Compounds and Organic Elements*).
- Section 4: Chimica delle Radiazioni e dei Radioelementi (*Chemistry of Radiations and Radio-elements*).
- Section 5: Radiochimica e Chimica Nucleare (*Radiochemistry and Nuclear Chemistry*).

Centro di Studio di Chimica Applicata (*Applied Chemistry Research Centre*): Facoltà di Ingegneria dell'Università, via Montallegro 1, Genoa; Dir. Prof. G. B. BONINO, A.L., A.P., A.L.

Laboratorio di Cromatografia (*Chromatography Laboratory*): Istituto di chimica generale ed inorganica dell'Università, Città Universitaria, Rome; Dir. Prof. MICHAEL LEDERER.

Centro di Studio per la Nucleazione degli Aerosoli (*Aerosol Nucleation Research Centre*): via Vettore 4, Rome; Pres. Prof. VINCENZO CAGLIOTI; Dir. Dr. HENRY M. PAPEE.

Centro di Studio per la Polarografia (*Polarographic Centre*)· Istituto di chimica fisica dell'Università, via Loredan 4a, Padua; Dir. Prof. ELIO VIANELLO.

Centro di Studio per la Strutturistica Chimica (*Structural Chemistry Research Centre*):
- Section 1: Istituto di chimica farmaceutica e tossicologica dell'Università, Città Universitaria, Rome; Dir. Prof. GIORDANO GIACOMELLO.
- Section 2: Istituto di chimica organica dell'Università, via Marzolo 7, Padua; Dir. (Vacant).

Engineering and Architectural Sciences

Istituto Nazionale dei Motori (*National Motor Institute*): piazza Barsanti e Matteucci 1, Naples; Dir. Prof. MARIO TADDEI.

Istituto per le Ricerche Spaziali (*Space Research Institute*): C.N.R., piazzale delle Scienze 7, Rome; Pres. Prof. GIOVANNI POLVANI.

Centro di Studio sulla Dinamica dei Fluidi (*Fluid Dynamics Research Centre*): Istituto di meccanica applicata alle macchine del Politecnico, corso Duca degli Abruzzi 6, Turin; Dir. Prof. CARLO FERRARI.

Centro di Studio per l'Elettronica e le Telecomunicazioni (*Electronics and Telecommunications Research Centre*):
- Section 1: Istituto di comunicazioni elettriche de; Politecnico, piazza Leonardo da Vinci 32, Milan Dir. Prof. ERCOLE BOTTANI.
- Section 2: Istituto di comunicazioni elettriche del Politecnico, corso Massimo d'Azeglio 42, Turin; Dir. Prof. MARIO BOELLA.
- Section 3: Istituto di elettrotecnica dell'Università, viale Risorgimento 2, Bologna; Dir. Prof. STEFANO BASILE.
- Section 4: C.N.R., piazzale delle Scienze, Rome; Dir. Prof. ALGERI MARINO.
- Section 5: Istituto di elettronica dell'Università, via Diotisalvi 2, Pisa; Dir. Prof. UGO TIBERIO.
- Section 6: Istituto di elettronica dell'Università, via Marzolo 9, Padua; Dir. Prof. GIUSEPPE FRANCINI.

Centro di Studio per la Fotoelasticità (*Photoelasticity Research Centre*): Istituto di costruzioni di macchine dell'Università, viale delle Scienze, Parco d'Orléans, Palermo; Dir. Prof. GIUSEPPE MANZELLA.

Centro di Studio sui Modelli Elettrici (*Electrical Models Research Centre*): Istituto di elettrotecnica generale del Politecnico, piazza Leonardo da Vinci 32, Milan; Dir Prof. ERCOLE BOTTANI.

Centro di Studio per la Motorizzazione Agricola (*Research Centre for Agricultural Motorization*): via Onorato Vigliani 104, Turin; Dir. Prof. Ing. FEDERICO FILIPPI.

Centro Lombardo di Ricerche Idrauliche (*Hydraulics Research Centre of Lombardy*): Istituto di idraulica del Politecnico, piazza Leonardo da Vinci 32, Milan; Dir. Prof. GIULIO DE MARCHI.

Centro Veneto di Ricerche Idrauliche (*Hydraulics Research Centre of Venetia*): Università, via Loredan 20, Padua; Dir. Prof. FRANCESCO MARZOLO.

Centro di Ricerche Idrauliche per l'Italia Centrale (*Hydraulics Research Centre of Central Italy*): Istituto idraulico dell'Università, via Eudossiana 18, Rome; Temp. Dir. VITTORIO MONGIARDINI.

Centro di Studio per la Televisione (*Television Research Centre*): Istituto "Galileo Ferraris", corso Massimo d'Azeglio 42, Turin; Dir. Prof. MARIO BOELLA.

Biological and Medical Sciences

Istituto Nazionale di Psicologia (*National Institute of Psychology*): via Cesare de Lollis, 12/VII, Rome; Dir. Prof. LUIGI MESCHIERI.

Centro di Studio per la Citofisiologia Sperimentale (*Research Centre for Experimental Cytophysiology*): Istituto di zoologia dell'Università, via Archirafi 18, Palermo; Dir. Prof. GIUSEPPE REVERBERI.

Centro di Studio di Endocrinologia Ginecologica ed Ostetrica (*Research Centre for Gynæcological, Endocrinology and Obstetrics*): Fondazione "Mario Massazza", c/o Istituto clinici di perfezionamento, via Commenda 12, Milan; Dir. (Vacant).

Centro di Studio per l'Enzimologia (*Enzymological Centre*): Istituto di chimica biologica dell'Università, Città Universitaria, Rome; Dir. Prof. ALESSANDRO ROSSI-FANELLI.

Centro di Studio per la Fisiogenetica (*Physiogenetics Research Centre*): Istituto di genetica dell'Università, Città Universitaria, Rome; Dir. Prof. GIUSEPPE MONTALENTI.

Centro di Studio per la Fisiopatologia "Guido Vernoni' (*Physiopathology Research Centre*): Istituto di patologia generale dell'Università, via Loredan 8, Padua; Dir. Prof. MASSIMO ALOISI.

Laboratorio Internazionale di Genetica e Biofisica (*International Laboratory of Genetics and Biophysics*): via Marconi 10, Casella postale 104, Naples; Dir. Prof. ADRIANO BUZZATI TRAVERSO.

Centro di Studio per l'Istochimica (*Research Centre for Histochemistry*): Istituto di anatomia comparata dell'Università, Palazzo Botta, Pavia; Dir. Prof. MAFFO VIALLI.

Centro di Studio per le Mastiti Bovine (*Research Centre for Bovine Mastitis*): Istituto di malattie infettive, profilassi e polizia veterinaria dell'Università, Milan; Dir. Prof. DESIDERIO DINO NAI.

Centro di Studio per la Neuroembriologia (*Research Centre for Neuroembryology*): Istituto di anatomia comparata, dell'Università, via Borelli 50, Rome; Dir. Prof. ALBERTO STEFANELLI.

Centro di Studio per la Neurofisiologia (*Research Centre for Neurophysiology*):

Section 1: Istituto di fisiologia umana dell'Università, piazza Porta S. Donato 2, Bologna; Dir. Prof. GIULIO CESARE PUPILLI.

Section 2: Istituto di fisiologia umana dell'Università, via S. Zeno 13, Pisa; Dir. Prof. GIUSEPPE MORUZZI.

Centro di Studio per le Ossido-riduzioni nei Vegetali (*Plant Oxidation Reduction Research Centre*): Istituto di scienze botaniche dell'Università, via G. Colombo 60, Milan.

Section 1: Dir. Prof. SERGIO TONZIG.

Section 2: Dir. Prof. ERASMO MARRÈ.

Centro di Studio per l'Alimentazione degli Animali in Produzione Zootecnica (*Animal Feeding Research Centre*): Istituto di zootecnica generale dell'Università, via Nizza 52, Turin; Dir. Prof. PROSPERO MASOERO.

Centro di Studio per la Parassitologia Veterinaria (*Research Centre for Veterinary Parasitology*): Istituto di malattie infettive, profilassi e polizia veterinaria dell'Università, piazza Conte di Moriana 3, Sassari; Dir. Prof. ARTURO CARTA.

Centro di Studio sulle Zoonosi (*Zoonoses Research Centre*): Istituto di malattie infettive, profilassi e polizia veterinaria dell'Università, via S. Costanzo 4, Perugia; Dir. Prof. VITTORIO CILLI.

Agricultural Sciences

Centro di Studio per la Patologia Cellulare "Pietro Rondoni" (*Cytopathology Research Centre*): Istituto di patologia generale dell'Università, via Mangiagalli 31, Milan; Dir. Prof. ENRICO CIARANFI.

Centro di Studio per la Chimica del Terreno (*Soil Chemistry Research Centre*):

Section 1: Istituto di chimica agraria e forestale (*Agricultural and Forest Chemistry Research Institute*): Università, piazzale Cascine 28, Florence; Dir. Prof. ALBERTO MALQUORI.

Section 2: Istituto di chimica agraria (*Agricultural Chemistry Institute*): Università, via S. Michele degli Scalzi 2, Pisa: Dir. Prof. ORFEO TURNO ROTINI.

Centro di Studio per la Chimica delle Fermentazioni (*Research Centre for the Chemistry of Fermentation*): Istituto di chimica agraria dell'Università, via Celoria 2, Milan; Dir. Prof. CLAUDIO ANTONIANI.

Centro di Studio per l'Entomologia Alpina e Forestale (*Research Centre for Alpine and Forest Entomology*): Istituto di entomologia dell'Università, via Pietro Giuria 15, Turin; Dir. Prof. ATHOS GOIDANICH.

Centro Nazionale Meccanico Agricolo (*National Research Centre for Agricultural Machinery*): via Onorato Vigliani 104, Turin.

Section 1: Mechanics; Dir. Prof. GIUSEPPE PRIORELLI.

Section 2: Agronomy; Dir. Prof. ANGIOLO CROCIONI.

Detached Sections: Irrigation, via Po 49, Rome; Rice Cultivation Machinery, via Bazzi 8, Vercelli.

Centro di Studio per la Micologia del Terreno (*Soil Mycology Research Centre*): Istituto di botanica dell'Università, viale P. A. Mattioli 25, Turin; Dir. Prof. BENIAMINO PEYRONEL.

Centro di Studio dei Microrganismi Autotrofi (*Autotrophic Micro-organisms Research Centre*): Istituto di microbiologia agraria e tecnica dell'Università, piazzale Cascine 28, Florence; Dir. Inc. Prof. GINO FLORENZANO.

Centro di Studio per il Miglioramento delle Piante da Frutto e da Orto (*Garden Produce Research Centre*): via dei Vespucci 1, Florence; Dir. Prof. ALESSANDRO MORETTINI.

Oasi per la Protezione degli Uccelli (*Bird Sanctuary*): Montescalvato, Bologna: Laboratorio di zoologia applicata alla caccia, via S. Giacomo 9, Bologna; Dir. Prof. ALESSANDRO GHIGI.

Centro Nazionale di Radiobiologia Applicata a Problemi Agricolo-Alimentari (*National Centre of Radiobiology Applied to Agricultural and Nutritional Problems*):

Section 1: Istituto di chimica farmaceutica dell' Università, Città Universitaria, Rome; Dir. Prof. GIORDANO GIACOMELLO.

Section 2: Istituto di generica dell'Università, Città Universitaria, Rome; Dir. Prof. GIUSEPPE MONTALENTI.

Section 3: Istituto di chimica organica dell'Università, via Celoria 2, Milan; Dir. Prof. ARNALDO CORBELLINI.

Centro di Studio per la Sterilità Bovina (*Cattle Sterility Research Centre*): Facoltà di medicina veterinaria dell'Università, Milan; Co-Dirs. Prof. MICHELE ADDIS, Prof. EMILIO MARTINI.

Centro di Studio per le Trasfomazioni Microbiche di Idrocarburi, Steroidi e Derivati (*Centre for Research on Transformation of Hydrocarbons, Steroids and Deriva-*

tives due to Micro-organisms): Istituto di microbiologia agraria e tecnica dell'Università, via Celoria 2, Milan; Dir. Prof. CARLO ARNAUDI.

Centro Nazionale sui Virus dei Vegetali (*National Plant Virus Centre*):
- Section 1: Istituto di patologia vetegale dell'Università, via Celoria 2, Milan; Dir. Prof. ELIO BALDACCI.
- Section 2: Istituto di malattie infettive, profilassi e polizia veterinaria dell'Università, via San Costanzo 4, Perugia; Dir. Prof. FILIPPO MARCO-BRUNO GEROLA.
- Section 3: Istituto di entomologia dell'Università, via P. Giuria 15, Turin; Dir. Prof. ATHOS GOIDANICH.
- Section 4: Istituto di chimica generale ed inorganica dell'Università, Corso M. d'Azeglio 48, Turin; Dir. Prof. MARIO MILONE.
- Section 5: Istituto di chimica del Politecnico, Piazza Leonardo da Vinci 32, Milan; Dir. Prof. ADOLFO QUILICO.
- Section 6: Istituto di chimica industriale dell'Università, via Pastore 3, Genoa; Dir. Prof. CORRADO ROSSI.

Geological and Mineralogical Sciences

Centro Nazionale di Cristallografia (*National Centre of Crystallography*):
- Section 1: Istituto di mineralogia dell'Università, Città Universitaria, Rome; Dir. Prof. ETTORE ONORATO.
- Section 2: Istituto di mineralogia dell'Università, Piazza S. Marco 4, Florence; Dir. Prof. GUIDO CAROBBI.
- Section 3: Istituto di mineralogia dell'Università, via S. Massimo 24, Turin; Dir. Prof. MASSIMO FENOGLIO.
- Section 4: Istituto di mineralogia dell'Università, via. S. Maria 53, Pisa; Dir. Prof. STEFANO BONATTI.
- Section 5: Istituto di mineralogia dell'Università, via L. B. Alberti 4, Genoa; Dir. Prof. EDOARDO SANERO.
- Section 6: Istituto di mineralogia dell'Università, via A. Bassi 4, Pavia; Dir. Prof. FIORENZO MAZZI.

Centro di Studio per la Geografia Fisica (*Research Centre for Physical Geography*): Istituto di geografia dell'Università, Palazzo del Bo, Padua; Dir. Prof. GIUSEPPE MORANDINI.

Centro di Studio per la Geochimica e la Mineralogia (*Research Centre for Geochemistry and Mineralogy*): Istituto di mineralogia dell'Università, piazza S. Marco 4, Florence; Dir. Prof. GUIDO CAROBBI.

Centro di Studio per la Geologia dell'Appennine (*Apennine Geology Research Centre*).
- Section 1: Istituto di geologia dell'Università, via Lamarmora 4, Florence; Dir. Prof. GIOVANNI MERLA.
- Section 2: Istituto di geologia dell'Università, via S. Maria 31, Pisa; Dir. Prof. LIVIO TREVISAN.

Centro di Studio per la Geologia dell'Italia Centro-meridionale (*Research Centre for the Geology of Central and Southern Italy*): Istituto di geologia, Università, Città Universitaria, Rome; Dir. Prof. BRUNO ACCORDI.

Centro di Studio per la Geologia Tecnica (*Research Centre for Technical Geology*): Istituto di geologia applicata dell'Università, via Eudossiana 18, Rome; Dir. Prof. FRANCESCO PENTA.

Centro di Studio per la Mineralogia e la Petrografia (*Research Centre for Mineralogy and Petrography*): Istituto di mineralogia e petrografia dell'Università, Città Universitaria, Rome; Dir. Prof. ETTORE ONORATO.

Centro di Studio per la Mineralogia e la Petrografia delle Alpi Occidentali (*Research Centre for Mineralogy and Petrography of the Western Alps*): Istituto di mineralogia, petrografia e geochimica dell'Università, via S. Massimo 24, Turin; Dir. Prof. MASSIMO FENOGLIO BESSO.

Centro di Studio per la Petrografia e Geologia (*Research Centre for Petrography and Geology*):
- Section 1 (*Petrography*): Istituto di mineralogia e petrografia dell'Università, corso Garibaldi 9, Padua; Dir. Prof. ANGELO BIANCHI.
- Section 2 (*Geology*): Istituto di geologia applicata e paleontologia dell'Università, via Giotto 20, Padua; Dir. Prof. GIOVANNI BATTITSA DAL PIAZ.

Centro di Studio per la Preparazione dei Minerali (*Mineral Processing Research Centre*): via Salaria Km. 11.5, Rome; Dir. Ing. LUIGI USONI.

Centro Nazionale per gli Studi Geologici e Petrografici delle Alpi (*National Centre for Geological and Petrographic Studies of the Alps*):
- Section 1: Istituto di mineralogia dell'Università, Corso Garibaldi 9, Padua; Dir. Prof. ANGELO BIANCHI.
- Section 2: Istituto di geologia: applicata e paleontologia dell'Università, via Giotto 20, Padua; Dir. Prof. GIOVANNI BATTISTA DAL PIAZ.
- Section 3: Istituto di geologia dell'Università, Piazzale Gorini 15, Milan; Dir. Prof. ARDITO DESIO.
- Section 4: Istituto di mineralogia dell'Università, via Botticelli 23, Milan; Dir. Prof. GIUSEPPE SCHIAVINATO.
- Section 5: Istituto di geologia dell'Università, via Previati 24, Ferrara; Dir. Prof. PIETRO LEONARDI.
- Section 6: Istituto di geologia dell'Università, Palazzo Carignano, Turin; Dir. Prof. ROBERTO MALARODA.
- Section 7: Istituto di geologia dell'Università, strada Nuovo 65, Pavia; Dir. Prof. ALFREDO BONI.
- Section 8: Istituto di geologia dell'Università, via Zamboni 67, Bologna; Dir. Prof. RAIMONDO SELLI.
- Section 9: Istituto di mineralogia dell'Università, Piazza San Donato 1, Bologna; Dir. Prof. PAOLO GALLITELLI.

Technological Research

Istituto Nazionale del Legno (*National Wood Institute*):
- Section 1: Centro Nazionale del Legno (*National Wood Research Centre*): Villa Favorita, piazza Edison 11, Florence; Dir. Prof. GUGLIELMO GIORDANO.
- Section 2: Centro di Sperimentazione Applicata e di Assistenza Tecnica del Legno (*Timber Centre for Applied Experimentation and Technical Aid*): largo Carducci 24, Trent.

Centro di Studio per le Applicazioni del Freddo (*Low Temperature Research Centre*): Istituto di fisicia tecnica della Università, via F. Marzolo 8, Padua; Dir. Prof. BALBINO DEL NUNZIO.

Centro di Studio delle Corrosioni Marine dei Metalli (*Salt-Water Corrosion of Metals Research Centre*): via Mercanzia 4, Genoa; Dir. Prof. EMANUELE MOR.

Istituto Dinamometrico Italiano (*Italian Dynamometric Institute*): strada delle Cacce 73, Turin; Dir. Prof. ANTHOS BRAY.

Centro di Studio per le Essenze (*Essential Oils Research Centre*): corso Vittorio Emanuele, Reggio Calabria; Dir. Prof. FRANCESCO LA FACE.

Istituto Italiano del Certificato di Idoneità Tecnica nell' Edilizia (ICITE) (*Italian Institute for Technical Suitability Certificates in Building Construction*): c/o U.N.I., piazza Diaz 2, Milan; Temp. Dir. Prof. GINO BOZZA.

Centro Sperimentale per la Sterilizzazione Industriale degli Alimenti (*Experimental Centre for Industrial Food Sterilization*): Stazione Sperimentale per l'Industria delle Conserve Alimentari, viale Faustino Tanara 33, Parma; Dir. Prof. ROLANDO CULTRERA.

Centro Nazionale sulla Tecnologia della Propulsione e dei Materiali Relativi (*National Research Centre for Propulsion and Pertinent Materials Technology*): Istituto di fisica Tecnica e macchine Politecnico, piazza Leonardo da Vinci 32, Milan; Dir. Prof. CORRADO CASCI.

Istituto Termometrico Italiano (*Italian Thermometric Institute*): strada delle Cacce 73, Turin; Dir. Prof. GIUSEPPE RUFFINO.

Centro di Studio per l'Industria Tessile (*Textile Industry Research Centre*): Stazione sperimentale per la cellulosa, la carte e le fibre tessili vegetali ed artificiali, piazza Leonardo da Vinci 26, Milan; Dir. Prof. GERMANO CENTOLA.

Centro Sperimentale per la Lavorazione dei Metalli (*Metal Working Experiment Centre*): strada delle Cacce 73, Turin; Dir. Prof. ANTONIO CAPETTI.

Centro Nazionale per la Lipochimica (*Nationale Lipochemistry Centre*): via Gius. Colombo 79, Milan; Dir. Prof. GIOVANNI IACINI.

Centro Sperimentale per la Macchine Utensili (*Experiment Centre for Machine Tools*): via Palestro 22, Milan; Dir. Prof. RUGGERO CHIAPPULINI.

AGRICULTURE AND VETERINARY SCIENCE

Stazione di Entomologia Agraria (*Agrarian Entomological Station*): via Romana 17, Florence; f. 1875; library of 21,500 vols.; Dir. R. ZOCCHI; publ. *Redia* (yearly).

ARCHITECTURE AND TOWN PLANNING

Istituto Nazionale per Studi ed Esperienze di Architettura Navale (*National Institute of Naval Architecture Studies and Experiments*): via Corrado Segré 60, Rome; Pres. Ing. A. PARILLI.

THE ARTS

Centro Italiano di Ricerche Teatrali (*Centre of Theatre Research*): 44 via del Sudario, Rome; Pres. Prof. Comm. GOFFREDO BELLONCI; Sec. Dott. CESARE VICO LODOVICI.

Centro Sperimentale di Cinematografia: via Tuscolana 1524, Rome; f. 1942; Dir. Dott. L. FIORAVANTI.

ECONOMICS, LAW AND POLITICS

Istituto Italiano di Studi Legislativi: Palazzo Barberini, Rome; f. 1925; to promote the scientific and technical studies of legislation; Government Commiss. Prof. C. BOZZI; publ. *Yearbook of Comparative Law and Legislative Studies.*

Istituto per gli Studi Politica Internazionale (I.S.P.I.): via Clerici 5, Milan; Pres. Dott. A. PIRELLI.

Istituto Studi per i Problemi Economici del Mediterraneo (I.S.P.E.M.): via Sallustiana 56, Rome; Pres. Dott. A. VALSECCHI.

HISTORY, GEOGRAPHY AND ARCHAEOLOGY

Istituto di Studi Romani: Piazzale dei Cavalieri di Malta 2, Rome; f. 1925; Pres. Prof. P. ROMANELLI; Dir. Dott. OTTORINO MORRA.

Istituto Nazionale di Studi sul Rinascimento: Palazzo Strozzi, Florence; f. 1937; library of 12,000 vols., 60,000 photographs; Pres. Prof. M. SALMI; publ. *Rinascimento.*

Istituto Siciliano di Studi Bizantini e Neoellenici: via Noto 34, Palermo; f. 1952; 40 mems.; library of 6,000 vols.; Pres. Prof. B. LAVAGNINI; Sec.-Gen. Prof. G. ROSSI TAIBBI.

MEDICINE

Associazione Italiana di Ricerca Operativa: via Cesare Balbo 16, Rome; f. 1961; 225 mems.; Pres. Prof. B. BARBERI; publs. *Quaderni di RO* (annual), *Notiziario RO* (quarterly).

Centro Ricerche sulle Attività Umane Superiori: Istituto Fisica, Università di Ferrara, Ferrara; f. 1964; research on normal mental and pathological phenomena concerned in experiences of graphic activity; Dir. Prof. GIOAN BATTISTA DELL'ACQUA; Sec. Dott. R. BORSARI.

Istituto di Malariologia "Ettore Marchiafava": Policlinico Umberto 1, Rome; f. 1936; Dir. Prof. G. RAFFAELE; Deputy Dir. A. COLUZZI; publ. *Rivista di Malariologia* (twice yearly).

NATURAL SCIENCES

Centro di Studi Nucleari Enrico Fermi (*E. Fermi Centre for Nuclear Studies*): Polytechnic School, via Pascal 3, Milan; trains technical personnel in nuclear energy field.

Centro Siciliano di Fisica Nucleare (C.S.F.N.) (*Sicilian Centre of Nuclear Physics*): Corso Italia 57, Catania; to develop studies of nuclear physics in collaboration with Universities of Palermo, Messina and Catania.

Istituto Nazionale di Fisica Nucleare (I.N.F.N.) (*National Institute of Nuclear Physics*): Casella Postale 70, Frascati, Rome; sponsored by C.N.E.N. for studies in nuclear energy and collaboration with international institutions; chief branches in Physics Sections of Universities of Rome, Padua, Milan, Turin, Bologna, Pisa ,Genoa, Naples and Sicily (sub-branches in Palermo, Catania, Messina); sub-branches in Physics Sections of Universities of Florence, Trieste, Bari and Superior Health Institute, Rome; Groups in Physics Sections of Universities of Parma, Pavia and Politecnico, Milan; Pres. Prof. EDOARDO AMALDI.

Osservatorio Astronomico: Padua; f. 1767; library of 10,000 vols.; Dir. Prof. LEONIDA ROSINO; publ. various papers.

Osservatorio Astronomico: 11 via Tiepolo, Trieste; Dir. Prof. MARGHERITA HACK.

Osservatorio Astronomico di Capodimonte: Naples; f. 1819; 4 astronomers; library of 30,000 vols.; Dir. Prof. TITO NICOLINI; Astronomers Prof. ALFONSO FRESA, Dott. ELIO FICHERA, Dott. ANDREA VASSALLO; publs. *Memorie dell'Osservatorio Astronomico di Capodimonte, Contributi Astronomici, Contributi Geofisici, Osservazioni.*

Osservatorio Astronomico di Roma: su Monte Mario, Rome; f. 1827; Faculty of Science attached to the Observatory; library of 25,000 vols., 400 astronomical reviews; astronomical museum and attached astronomical stations on the Grande Sasso and Monte Porzio; Dir. Prof. MASSIMO CIMINO; publs. *Contributi Scientifici* (Series III), *Fenomeni Solari* (monthly).

Osservatorio Geofisico Sperimentale (*Experimental Geophysics Observatory*): viale R. Gessi 4, Trieste; Pres. Prof. CARLO MORELLI; Dir. Prof. FERRUCCIO MOSETTI.

Osservatorio Vesuviano: Resina, Naples; f. 1841; chiefly concerned with study of physical changes on Vesuvius; Dir. Prof. GIUSEPPE IMBÒ; Keeper Prof. LORENZO CASERTANO; publs. *Annali* and various papers.

Società Italiana per lo Studio delle Sostanze Grasse: via Lauro 3, Milan; Pres. Prof. ROLANDO RIGAMONTI; Sec. Prof. G. JACINI.

Stazione Zoologica di Napoli (*Zoological Station of Naples*): Villa Comunale, Naples; f. 1873 to promote experimental biology on marine life and making available equipped laboratories and technical staff to any qualified research worker; has permanent rental arrangements with learned societies from many countries; library of over 1,000 current biological periodicals and 50,000 vols.; Dir. Dr. PETER DOHRN; publs. *Fauna e Flora del Golfo di Napoli*, etc.

PHILOSOPHY AND PSYCHOLOGY

Istituto di Studi Filosofici: Università, Rome; Pres. Prof. G. CALO; Dir. Prof. E. CASTELLI GATTINARA DI ZUBIENA.

Istituto Luigi Sturzo: via delle Coppelle 35, Rome; sociological research; Pres. SALVATORE ALDISIO; Sec.-Gen. Prof. IGNAZIO UGHI.

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

Centro Nazionale Rilevazioni Etnofoniche: Museo Nazionale delle Arti e Tradizioni Popolari, Piazza Italia, EUR, Rome; Pres. Prof. TULLIO TENTORI; Dir. MICHELE MELILLO.

Istituto Superiore di Studi Europei: Piazza Cairoli, Rome; Dir. Prof. G. BOSCO; Sec.-Gen. Prof. MARIA L. CREMONA.

TECHNOLOGY

Centro di Studi Nucleari di Ispra (*Centre for Nuclear Studies at Ispra*): head office, via Cerva 31, Milan; est. by C.N.E.N. for applied nuclear research, training of personnel, research in physics, nuclear engineering, biology, chemistry, radiochemistry, etc.; Gen. Dir. Dr. Ing. GIANFRANCO FRANCO; reports included in *Serie di Rapporti* published by C.N.E.N.

Centro Informazioni Studi Esperienze (C.I.S.E.) (*Centre of Information, Studies and Experiments*): Casella Postale 3986, Milan; f. 1946; supported partly by public bodies, partly self supported through research contracts; devoted to basic and applied nuclear research in physics, chemistry and radio-chemistry, solid state physics, engineering, technologies, electronics; Pres. Prof. Eng. ARNALDO M. ANGELINI; Man. Dir. Prof. Eng. CORRADO GENESIO; Tech. Dir. Prof. GINO BOZZA; publ. *Energia Nucleare* (monthly).

Centro Radioelettrico Sperimentale "Guglielmo Marconi" (*Marconi Experimental Radio-electric Centre*): viale Trastevere 189, Rome; Pres. Ing. E. LENSI; Dir. Prof. IVO RANZI.

Centro per lo Sviluppo dei Trasporti Aerei: (*Centre of Studies on the development of Air Transport*): via Sallustriana 15, Rome; f. 1951; 300 mems.; promotes the publication and distribution of research works, reports, information and news about the development of commercial aviation in the various countries of the world; series of more than 100 publications; Sec.-Gen. Prof. SALVATORE TOMASINO; Pres. Ing. GIUSEPPE VERONESI.

Centro Sperimentale Metallurgico S.p.A.: via Barberini 36, Rome; f. 1963; library at Genoa of 25,000 vols.; Pres. PIERO GIUSTINIANI.

Comitato Nazionale per l'Energia Nucleare (C.N.E.N.) (*National Committee for Nuclear Energy*): via Belisario 15, Rome; f. 1960; objects: to conduct studies, research and experiments in nuclear physics; to promote development of industrial applications of nuclear energy; to take part in international collaboration in the nuclear field; Pres. E. LAMI STARNUTI; Vice-Pres. CARLO SALVETTI; staff of about 2,300; chief publs. *Notiziario* (monthly, nuclear news), technical reports in the field of nuclear engineering, physics, chemistry, biology, medicine and geology.

Laboratorio Gas Ionizzati (*Ionised Gases Laboratory*): Casella Postale 65, Frascati, Rome; established by C.N.E.N. for experimental and theoretical research on plasma physics; Dir. Prof. BRUNO BRUNELLI.

Laboratori Nazionali di Frascati del C.N.E.N. (*National Laboratories of C.N.E.N., Frascati*): Casella Postale 70. Frascati, Rome; constructed by C.N.E.N.; 1,200 MeV, electronsynchrotron; theoretical research group; high-energy physics research; electronics and radio-frequency laboratory; laboratory of technology; low-temperature laboratory; magnets laboratory; computing group; 450 MeV. linear accelerator for electrons and positrons; Dir. Prof. LUCIO MEZZETTI.

Società Ricerche Impianti Nucleari (S.O.R.I.N.) (*Society for Research and Nuclear Plants*): Saluggia, Vercelli; formed under agreement between Fiat and Montecatini companies; Nuclear Research Centre with 7,000-Kw swimming-pool reactor; radiochemistry; nuclear engineering; nuclear research including production of radioactive isotopes for industrial and medical uses; Dir. Dott. G. CESONI.

LIBRARIES

Centro Nazionale per il Catalogo Unico delle Biblioteche Italiane e per le Informazioni Bibliographice (*National Centre of the Union Catalogue of Italian Libraries and Bibliographical Information*): via del Collegio Romano 27, Rome; f. 1951; Pres. ALDO FERRABINO; Vice-Pres. NICOLA MAZZARACCHIO; Admin. Sec. CARLO FRATTAROLO; Dir. LUIGIA RISOLDI CANDONI; publs. *Catalogo collectivo delle Biblioteche Italiane a cura dell'Ufficio esecutivo, Bibliografia Nazionale Italiana a cura della Biblioteca Nazionale Centrale di Firenze, Scheda a Stampa a cura della Biblioteca Nazionale Centrale di Firenze, Soggettario* (*Subject Headings*) *a cura della Biblioteca Nazionale Centrale di Firenze.*

Alessandria

Biblioteca Civica: via Tripoli 8; f. 1806; 87,490 vols.; Dir. Dr. A. PANIZZA.

Ancona

Biblioteca Comunale Luciano Benincasa: Piazza del Plebiscito 33; f. 1669; 83,000 vols.; Dir. Prof. RENATO ZANELLI.

Arezzo

Biblioteca della Fraternità dei Laici: via Garibaldi; f. 1603; 60,000 vols. and 500 MSS. and incunabula.

Ascoli Piceno

Biblioteca Comunale: presso il Palazzo Comunale; f. 1773; 72,821 vols.; Dir. Dott. VITTORI EMIDIO.

Avellino

Biblioteca Provinciale Scipione e Giulio Capone: Corso Europa; f. 1885; 101,500 vols.; Dir. Dott. MARIO SARRO.

Bari

Biblioteca Nazionale Sagarriga-Visconti-Volpi: Palazzo Ateneo; f. 1865; 197,000 vols.; Dir. Dott. GINO LA MURAGLIA.

Bergamo

Biblioteca Civica A. Mai: Piazza Vecchia 15; f. 1760; 452,945 vols., 7,011 vols. MSS., 31,478 documents, 1,601 incunabula; Dir. Dott. Prof. D. LUIGI CHIODI.

Bologna

Biblioteca Carducci: Casa Carducci; given to the commune of Bologna in 1907 by Marguerite of Savoy, inaugurated in 1921; the library preserves the surroundings of the poet Giosue Carducci and contains his collected works, as well as many rare editions of other works; 48,000 vols.; Dir. Dott. GINO NENZIONI.

Biblioteca Comunale dell'Archiginnasio: Piazza Galvani 1; f. 1801; contains 600,000 vols., including 2,500 incunabula and 15,000 rare editions of the 16th century;

12,000 MSS., 500,000 letters and documents; Dir. Dott. GINO NENZIONI; publs. *L'Archiginnasio*, *Bollettino della Biblioteca Comunale di Bologna*.

Biblioteca dell'Istituto Giuridico: via Zamboni 27-29; f. 1927; 105,000 vols.; Dir. Prof. ENRICO BASSANELLI.

Biblioteca della Cassa di Risparmio: via Farini 22; f. 1837; 42,000 vols.; Dir. Dott. TOMASO ORSELLI.

Biblioteca "Studium" S. Domenico: Convento San Domenico; f. 1218; 70,000 vols., incunabula and MSS.; special collection philosophy and theology; Dir. P. LUIGI SCIPIONI.

Biblioteca Universitaria:: via Zamboni 35; f. 1712; over 570,020 vols., 7,500 MSS., 1,000 incunabula; Dir. Dott. GUGLIELMO MANFRÈ.

Civico Museo Bibliografico Musicale: Piazza Rossini 2; over 53,000 vols.; Librarian Prof. NAPOLEONE FANTI.

Brescia

Biblioteca Civica Queriniana: Palazzo Querini, via Mazzini 1; f. 1747; 280,000 vols.; Dir. Dott. UGO BARONCELLI.

Cagliari

Biblioteca Universitaria: via Università 32-A; f. 1972; 443,360 vols.; 1,033 MSS., 5,468 letters and documents, 241 incunabula, 2,784 magazines; Gabinetto delle Stampe "Anna Marongiu Pernis" contains 4,541 etchings; Dir. Dott. GRAZIELLA SEDDA DELITALA.

Catania

Biblioteca Universitaria: Piazza degli Studi 2; f. 1755; 227,000 vols., 126 incunabula, 388 MSS.; Dir. Dott. ANDREA CAVADI.

Cesena (Forlì)

Biblioteca Comunale Malatestiana: Piazza Bufalini 1; f. 1452; 175,000 vols.; Dir. Prof. AUGUSTO CAMPANA.

Como

Biblioteca Comunale: via Cesare Cantù 15; f. 17th century; approx. 160,000 vols. in library; Dir. A. BORTONE.

Cremona

Biblioteca del Seminario Vescovile: via Milano 5; f. 1592; 50,600 vols.; Dir. DON FRANCO VOLTINI.

Biblioteca Governativa e Biblioteca Civica: via Ugolani Dati 4; f. *c.* 1600; 400,000 vols., 1,010 MSS.; Dir. Dott. ANGELO DACCO; publs. *Annali, Instituta et Monumenta.*

Fermo (Ascoli Piceno)

Biblioteca Comunale: Piazza del Popolo 63; f. 1688; 200,000 vols.; Dir. Dott. MARIO SANTORO.

Ferrara

Biblioteca Comunale Ariostea: via Scientze 17; f. 1753; 140,000 vols.; Dir. Dott. L. CAPPA.

Florence

Biblioteca del Gabinetto Scientifico Letterario G. P. Vieusseux: Palazzo Strozzi, Piazza Strozzi; f. 1819; 350,000 vols.; Dir. Prof. ALESSANDRO BONSANTI.

Biblioteca dell' Accademia di Belle Arti: via Ricasoli 66; f. 1801; 22,000 vols.

Biblioteca della Facoltà di Lettere e Filosofia dell' Università: Piazza S. Marco 4; f. 1859; 1,395,000 vols.

Biblioteca della Galleria degli Uffizi: via della Ninna 5; f. 1770; 40,000 vols.; Dir. Prof. CESARE FASOLA.

Biblioteca Marucelliana: via Cavour 43; f. 1752; 389,772 vols.; 2,130 MSS., 484 incunabula, 2,000 drawings, 20,000 prints, 7,890 16th century editions; Dir. Dott. CARLO ANGELERI.

Biblioteca Medicea-Laurenziana: Piazza S. Lorenzo 9; f. 1571; contains the private Medici Library, collections of MSS. from the Grand Dukes of Lorena, S. Croce, S. Marco, Badia Fiesolana, cathedral of Florence, and private family collections; 15th- and 16th-century first editions; 10,327 MSS. of the 5th–16th century; 1,570 papyri, 45 ostraca, 53,334 vols.; Dir. Dott. IRMA MEROLLE TONDI.

Biblioteca Moreniana: via dei Ginori 10; f. 1869; 25,000 vols., about 2,000 MSS.; Dir. Dott. BERTA MARACCHI BIAGIARELLI.

Biblioteca Nazionale Centrale: Piazza de' Cavalleggeri 1A; f. 1747; 4,000,000 vols., pamphlets, MSS., etc.; Dir. Dott. EMANUELE CASAMASSIMA; publs. *Bibliografia nazionale italiana* (monthly), *Alphabetical Annual Catalogue.*

Biblioteca Nazionale Pedagogica: via Buonarroti 10; f. 1941; 42,000 vols.; 400 periodicals; Dir. Prof. ENZO PETRINI.

Biblioteca Riccardiana: via dei Ginori 10; f. 1816; 65,000 vols. and about 6,000 MSS.; Dir. Dott. BERTA MARACCHI BIAGIARELLI.

Forlì

Biblioteca Comunale "A. Saffi": Corso della Repubblica 30; 250,000 vols. and historical archives of the city; Dir. Dott. LUIGI SERVOLINI.

Genoa

Biblioteca Durazzo Giustiniani: via Balbi 1; f. 1806; 100,000 vols.

Biblioteca Germanica: Salita S. Caterina 4; f. 1959; Dir. Dott. H. FRENZEL.

Biblioteca Universitaria: f. 1773; 450,000 vols.; Dir. Dott. ANTONIO TAMBURINI.

Imola (Bologna)

Biblioteca Comunale: via Emilia 80—Ex-Convento di S. Francesco; f. 1608; 133,500 vols., 138 MSS.; Dir. Dott. FAUSTO MANCINI.

Leghorn

Biblioteca Comunale Labronica Francesco Domenico Guerrazzi: Villa Fabricotti, Piazza Matteotti 6; f. 1816; 125,000 vols.; Dir. Dott. DINO LUGETTI.

Lucca

Biblioteca del Giardino Botanico: contains very rare books on natural sciences.

Biblioteca Governativa di Lucca: via S. Maria Corteorlandini 12; f. 18th century; 361,762 vols., 869 incunabula, 4,162 MSS.; musical collection of 67 MSS. and *circa* 500 scores; Dir. Dott. MARTA FRIGGERI.

Macerata

Biblioteca Comunale Mozzi-Borgetti: Piazza Vittorio Veneto 3; f. 1773; 180,023 vols.; Dir. Dott. ALDO ADVERSI.

Mantua

Biblioteca Comunale: via Roberto Ardigò 13; f. 1780; 300,000 vols., 1,338 MSS., 1,495 incunabula; Dir. Dr. UBALDO MERONI.

Biblioteca dell' Accademia Virgiliana: via dell' Accademia 47; f. 1768; 62,670 vols.; Librarian Prof. UBERTO CUZZELLI; publ. *Atti e Memorie.*

Messina

Biblioteca Universitaria: via dei Verdi 71; f. 1548; 152,000 vols., 1,255 MSS., 418 incunabula; Dir. Dott. GIAMPIERO TINAZZO.

Milan

Biblioteca Ambrosiana: Piazza Pio XI 2; f. 1609; 850,000 vols. and rare prints, 35,000 MSS., mostly Latin, Greek, and Oriental, 2,100 incunabula, 12,000 parchments, 19,800 prints, 5,000 drawings; Dirs. Dott. A. PAREDI, E. GALBIATI, C. MARCORA.

Biblioteca Civica: Palazzo Sormani, Corso di Porta Vittoria 6; f. 1890; 618,000 vols.; Dirs. ANGELO M. RAGGI, RENATO PAGETTI.

Biblioteca d'Arte: Castello Sforzesco; f. 1930; art library and Leonardo da Vinci Collection; Dir. Dott. P. ARRIGONI.

Biblioteca degli Istituti Ospedalieri: Piazza Ospedale Maggiore 3; f. 1842; 90,000 vols.; Dir. Dott. GIULIO BRUNETTI.

Biblioteca del Centro Nazionale di Studi Manzoniani: via Morone 1; f. 1937; 15,000 vols.; Dir. Prof. Dott. CLAUDIO CESARE SECCHI; publs. *Annali*, *Edizione Nazionale Opere di A. Manzoni*.

Biblioteca del Conservatorio di Musica G. Verdi: via del Conservatorio 12; f. 1808; 240,000 vols.; Dir. Dott. GUGLIELMO BARBLAN.

Biblioteca del Politecnico di Milano: Piazza Leonardo da Vinci 32; Dir. Prof. Dott. M. FRERI.

Biblioteca della Facoltà di Agraria: via Celoria 2; 34,000 vols.; Dir. Prof. C. ARNAUDI; Librarian Dott. GIULIANA SAPORI.

Biblioteca della Facoltà di Giurisprudenza e Lettere dell' Università: via Festa del Perdono, 7; f. 1923; 333,000 vols.; Dir. Dott. GIULIANA SAPORI.

Biblioteca dell' Istituto Lombardo di Scienze e Lettere: via Borgonuovo 25; f. 1803; 180,000 vols.

Biblioteca dell' Università del S. Cuore: Largo Gemelli 1; f. 1918; 640,850 vols., 90,111 pamphlets, 300 publications in series, 7,850 periodicals; Dir. Dott. RUGGERO ORFEI.

Biblioteca dell' Università Commerciale Luigi Bocconi: via Sarfatti 23; 227,767 vols. and 1,693 periodical publs.; Dir. Prof. FRANCO MAX.

Biblioteca e Archivio, Museo del Risorgimento e Raccolte Storiche del Comune di Milano: Palazzo De Marchi, via Borgonuovo 23; f. 1884; 425,000 books, newspapers and pamphlets, 3,275 files of documents of the period 1750 to the present day; Dir. Prof. Dr. LEOPOLDO MARCHETTI.

Biblioteca Germanica: via Legnano 24; Dir. E. PETERICH.

Biblioteca Morando: Castello Sforzesco; f. 19th century; 4,100 vols., 41 rare incunabula; specialises in astrology and chiromancy; Dir. Prof. CATERINA SANTORO.

Biblioteca Nazionale Braidense: via Brera 28; f. 1763 726,033 vols., 12,080 periodicals, 21,654 autographs, 1,637 MSS.; Dir. Dott. EMMA COEN-PIRANI.

Biblioteca Trivulziana: Castello Sforzesco; f. 18th century; 35,000 vols., 1,300 codices, including MSS. from the 8th century, parchment books from the 11th century, 1,050 incunabula, and rare editions of works on history and literature; Dir. Prof. CATERINA SANTORO.

Biblioteca Weil-Weiss: Castello Sforzesco; f. 19th century; 7,000 vols., many *de luxe* and illustrated editions of 19th and 20th centuries; Dir. Prof. CATERINA SANTORO.

Modena

Biblioteca Estense: Palazzo del Museo, Piazza S. Agostino; f. 15th century; 400,000 vols., 13,500 MSS., 1,641 incunabula, 165,000 autographs; Dir. PIETRO PULIATTI.

Biblioteca Universitaria: Palazzo del Museo, Piazza S. Agostino; f. 1772; 120,000 vols., 65 MSS., 5 incunabula; Dir. PIETRO PULIATTI.

Naples

Biblioteca Arcivescovile: viale Colli Aminei 3, Capodimonte; f. 1851; 60,000 vols.; Dir. ARMANDO SQUILLACE.

Biblioteca del Conservatorio di Musica S. Pietro a Maiella: via S. Pietro a Maiella, n. 35; f. 1791; 300,000 vols.; Dir. ANNA MONDOLFI.

Biblioteca della Società Napoletana di Storia Patria: Piazza Municipio, Maschio Angioino; f. 1876; 140,000 vols.; Dir. Prof. ALFREDO PARENTE; Librarian Prof. OLGA QUARTA GENGHINI.

Biblioteca di Castelcapuano: Piazza dei Tribunali, Palazzo di Giustizia; f. 1848; 40,000 vols.; Dir. Dott. ROSSI BUSSOLA RAFFAELLO.

Biblioteca Nazionale: Palazzo Reale; f. 1804; 1,433,677 items incl. 27,439 MSS. and documents, 4,544 incunabula, 1,786 papyri from Herculaneum; Dir. Dott. GUERRIERA GUERRIERI.

Biblioteca Oratoriana detta dei Gerolamini: Monumento Nazionale dei Gerolamini, via di Duomo 142; f. 1586; 70,000 vols.; Dir. Prof. GUIDO A. MARTINELLI, d.o.

Biblioteca Universitaria di Napoli Statale: via G. Paladino 39; f. 1615; 750,000 vols.; open to the public; Dir. Dott. Prof. MARIA GIUSEPPINA CASTELLANO LANZARA.

Novara

Biblioteche Riunite "Civica" e "Negroni": Corso Felice Cavallotti 4; f. 1847 and 1898 respectively; 136,206 vols., 17,075 periodicals, 131 incunabula, MSS., 426 maps, etc.; Dir. Prof. ETTORE CAMASCHELLA.

Padua

Biblioteca Antoniana: Basilica del Santo; f. 1352; 75,000 vols., 800 MSS.; Dir. Prof. GIOVANNI M. LUISETTO.

Biblioteca Civica: Piazza del Santo 10; f. 1839; 308,244 vols.; Dir. Dott. ALESSANDRO PROSDOCIMI.

Biblioteca del Seminario Vescovile: via Seminario 11; f. 1671; 250,000 vols., 1,124 MSS., 415 incunabula; Dir. IRENEO DANIELE.

Biblioteca Universitaria: via S. Biagio 3; f. 1629; 414,021 vols., 2,579 MSS., 1,630 incunabula, 4,177 reviews, 1,200 maps ,and 4,000 engravings; Dir. Dott. ANGELA ZANINI.

Palermo

Biblioteca Comunale: Piazza Brunaccini; f. 1760; 350,000 vols.; Dir. Dott. EMMA ALAIMO.

Biblioteca dell' Università: via Maqueda; 120,000 vols.; Dir. Prof. EUGENIO DI CARLO.

Biblioteca Nazionale: Corso Vittorio Emanuele 429-431; f. 1782; 500,000 vols.; Dir. Dott. NICOLÒ ZAPPARDO.

Parma

Biblioteca Palatina: Palazzo della Pilotta; f. 1769; 500,000 vols., 5,000 MSS.; 2,000 incunabula; Dir. Dott. ANGELO CIAVARELLA.

Biblioteca Palatina-Sezione Musicale Presso Il Conservatorio di Musica "A. Boito": via del Conservatorio 27; f. 1889; 70,000 vols.; Dir. Dott. ANGELO CIAVARELLA.

Pavia

Biblioteca Universitaria: Palazzo dell' Università; f. 1772; 381,000 vols., 1,828 MSS.; Librarian Prof. SILVANO GEREVINI.

Perugia

Biblioteca Augusta: Palazzo dei Priori, Corso Vannucci; f. 1615; 175,954 vols.; Dir. Dott. OLGA MARINELLI.

Pesaro

Biblioteca Oliveriana: via Mazza 97; f. 1789; 90,000 vols. on general culture and local history; Librarian Dott. ITALO ZICARI.

Piacenza

Biblioteca Cardinale Giulio Alberoni: Collegio Alberoni—Frazione S. Lazzaro Alberoni, via Emilia Parmense 77; f. 1751; 75,430 vols.; Dir. Dott. GIOCONDO CHECCONI.

Biblioteca Comunale Passerini Landi: via G. Carducci 18; 175,178 vols.; Dir. Dott. EMILIO NASALLI ROCCA.

Pisa

Biblioteca Universitaria: via XXIX Maggio; f. 1742; 355,000 vols., 1,038 MSS., 1,950 documents, 155 incunabula, 441 current periodicals; Dir. Dott. AMICO MONETI ELENA.

Pistoia

Biblioteca Comunale Forteguerriana: Piazza della Sapienza 1; f. 1473; 148,240 vols.; Dir. Dr. GIANCARLO SAVINO.

Portici (Naples)

Biblioteca dell'Istituto di Zoologia Generale e del Laboratorio di Entomologia Agraria di Napoli: Corso Garibaldi 403; f. 1872; 50,000 vols.; Dir. Prof. FILIPPO SILVESTRI.

Ravenna

Biblioteca Comunale Classense: f. 1707-1711; 200,000 vols.; Dir. Dott. GIUSEPPE CORTESI (Acting).

Reggio Emilia

Biblioteca Municipale: via Farini 3; f. 1796; 225,000 vols., 10,000 MSS.; Dir. Dott. BRUNO FAVA.

Rimini

Biblioteca Civica Gambalunga: via Gambalunga 27; f. 1619; 123,011 vols., 384 incunabula, 2,500 MSS.; Dir. Prof. MARIO ZUFFA.

Rome

Archivio Centrale dello Stato: via dell'Architettura 47.

Biblioteca Angelica: Piazza S. Agostino 8; f. 1605; 160,000 vols., 2,664 MSS., 1,043 incunabula; Dir. Dott. ANNA MARIA GIORGETTI VICHI.

Biblioteca Casanatense: via S. Ignazio 52; f. 1700; 317,000 vols.; 5,624 MSS., 2,035 incunabula; Dir. Dott. MARCELLO BOZZA MARIANI.

Biblioteca Centrale Giuridica presso il Ministero di Grazia e Giustizia: via Arenula; f. 1866; 500,000 vols.; Dir. Dr. UMBERTO PETTINARI.

Biblioteca del Consiglio Nazionale delle Ricerche (*Library of National Research Council*): Piazzale delle Scienze 7; f. 1937; 200,000 vols.; Dir. Dott. Ing. A. ALUFFI; publ. *Ricerca Scientifica* (monthly).

Biblioteca dell' Accademia Nazionale dei Lincei: via della Lungara 10; f. 1730; 369,934 vols., 4,000 MSS., 2,293 incunabula, 129,000 pamphlets; Dir. Prof. RAFFAELLO MORGHEN.

Biblioteca dell' Istituto Nazionale d'Archeologia e Storia dell'Arte: Piazza Venezia 3; f. 1922; *circa* 200,000 vols., 15,000 prints; Dir. Prof. Dott. OLGA PINTO; publs. *Annuario Bibliografico di Archeologia*, *Annuario Bibliorgafico di Storia dell'Arte*.

Biblioteca della Camera dei Deputati: Palazzo di Montecitorio, via della Missione 8; f. 1848 in Turin; 450,000 vols.; open to Members of Parliament; Dir. Dott. S. FURLANI; publs. *Catalogo*, *Bollettino*.

Biblioteca della Fondazione Marco Besso: Corso Vittorio Emanuele 51; 58,000 vols.; Dir. MELANIA JOLLER.

Biblioteca della Galleria Nazionale d'Arte Moderna: Valle Giulia; f. 1933; archives concerning 19th-century and modern art, 8,850 vols.; Dir. PALMA BUCARELLI.

Biblioteca della Società Geografica Italiana: Villa Celimontana, via della Navicella 12; f. 1867; 200,000 vols.; Library Counsellor Prof. CARLO DELLA VALLE.

Biblioteca del Ministero degli Affari Esteri: Farnesina; f. 1850; 200,000 vols.; Dir. Prof. ANGELO TAMBORRA.

Biblioteca del Ministero dell'Agricoltura e delle Foreste: via XX Settembre 20; f. 1860; 800,000 vols.; Dir. Prof. PAOLO SYLOS LABINI.

Biblioteca del Ministero delle Finanze e del Tesoro: Palazzo del Ministero delle Finanze, via XX Settembre; f. 1857; 160,000 vols.; Dir. Prof. WALTER D'AVANZO.

Biblioteca del Ministero dell'Interno: Palazzo del Viminale, via Agostino Depretis; f. 1872; 150,000 vols., Dir. GIUSEPPE BIGI.

Biblioteca del Senato: Palazzo Madama, via Dogana Vecchia 27; f. 1848; 350.000 vols.; chiefly works on law, history and politics; medieval statutes; Dir. Dott. GIUSEPPE PIERANGELI.

Biblioteca di Storia Moderna e Contemporanea: via M. Caetani 32; f. 1917, 115,000 vols.; Dir. Dott. MARIO SANDIROCCO.

Biblioteca Hertziana (Max-Planck-Institut): 28 via Gregoriana; f. 1913; 50,000 vols. on the history of art; Dir. Prof. Dott. WOLFGANG LOTZ; Librarian Dott. L. SCHUDT.

Biblioteca Lancisiana: Borgo S. Spirito 3; f. 1711; 17,932 vols.; Dir. Dott. PIETRO DE ANGELIS.

Biblioteca Musicale S. Cecilia: via dei Greci 18; f. 1584; 145,367 MSS. and printed works; Dir. Dott. EMILIA ZANETTI.

Biblioteca Nazionale Centrale Vittorio Emanuele II: via del Collegio Romano 27; f. 1876; 1,970,000 vols.; Dir. Prof. LAURA DE FELICE OLIVIERI.

Biblioteca Romana A. Sarti: Piazza dell' Accademia di S. Luca; f. 1877; 23,260 vols. on architecture and modern decorative art, with particular regard to Rome; Dir. Prof. GIUSEPPE LUGLI; Librarian COSTANZA CANORI GARINEI.

Biblioteca Universitaria Alessandrina: Città Universitaria; f. 1661; 800,000 vols.; Dir. FERNANDA ASCARELLI.

Biblioteca Vallicelliana: Piazza della Chiesa Nuova 18; f. 1581; 78,000 vols., 3,061 MSS., 500 incunabula; also contains library of "Società Romana di Storia Patria", 50,000 vols.; Dir. Dr. EMERENZIANA VACCARO.

Deutsche Bibliothek: Palazzo Odescalchi, via del Corso 262–267; f. 1961; Dir. Dott. E. ARNOLD.

Discoteca di Stato (*State Gramophone Record Library*): via dei Funari 31, Rome; Dir. Dott. ANNA BARONE.

Library of the Food and Agriculture Organisation of the United Nations (David Lubin Memorial Library, in which is absorbed the Library of the former International Institute of Agriculture): viale delle Terme di Caracalla; f. 1952; 470,000 vols.; Librarian HANS JENSSEN.

Library of the Keats-Shelley Memorial Association: Piazza di Spagna 26; f. 1909; 6,950 vols.; Dir. Dr. VERA SIGNORELLI CACCIATORE; publs. *Bulletin*, *Journal*.

Rovigo

Biblioteca dell' Accademia dei Concordi: Piazza V. Emanuele II 14; f. 1580; 110,000 vols.; Dir. ALBERTO BROGLIO.

Sassari

Biblioteca Universitaria: f. about 1550; 125,751 vols.; Dir. Dott. GAETANO IUDICA.

Siena

Biblioteca Comunale degli Intronati: via della Sapienza 5; f. 1758; 310,000 vols.; Dir. Dott. GINO GAROSI.

Teramo

Biblioteca Provinciale Melchiorre Delfico: Convitto Nazionale, via del Nardo; f. 1816; 130,906 vols.; Dir. M. MUZII.

Trento

Biblioteca Comunale: via Roma 51; f. 1856; 165,000 vols.; Dir. Dott. ANNAMARIA SCHLECHTER.

Treviso

Biblioteca Comunale: Borgo Cavour 18; f. 1837; 168,006 vols.; Dir. ROBERTO ZAMPROGNA.

Trieste

Biblioteca Civica: Piazza Attilio Hortis 4; f. 1793; 300,000 vols., includes Petrarch-Piccolomini Section, and Historical Archives.

Narodna in Študijska Knjižnica v Trstu (*Slovene National Study Library*): 9 via Geppa.

Turin

Biblioteca del Politecnico di Torino: Castello del Valentino; 15,000 vols.; Librarian GIACOMO TRIVERO.

Biblioteca dell' Accademia delle Scienze: via Accademia delle Scienze 6, and via Maria Vittoria 3; f. 1757; 150,000 vols.; Dir. Dott. GIANNI RONDOLINO.

Biblioteca Nazionale: via Po 19; f. 1720; 650,000 vols., 2,700 MSS., 1,600 incunabula; Dir. Prof. STELIO BASSI.

Biblioteca Reale: Piazza Castello 191; f. 1837; 150,000 vols.; 4,000 MSS.; Dir. Prof. M. BERSANO BEGEY.

Biblioteche Civiche e Raccolte Storiche: via Cittadella 5; f. 1869; 280,000 vols.; Dir. Dott. ENZO BOTTASSO.

Udine

Biblioteca Comunale Joppi: Piazza Marconi 8; f. 1866; 350,000 vols.; Dir. Dott. LELIA SERENI.

Urbino (Pesaro)

Biblioteca Universitaria: via Aurelio Saffi 2; f. 1720; 119,000 vols.; Dir. LUIGI MORANTI.

Venice

Biblioteca del Civico Museo Correr: Piazza S. Marco 52—Procuratie Nuove; f. 1830; 83,838 vols.; Dir. Prof. GIOVANNI MARIACHER.

Biblioteca della Congregazione dei Mechitaristi: Isola S. Lazzaro; f. 1701; 90,000 vols.; Dir. NERSES DER-NERSESSIAN.

Biblioteca Nazionale Marciana: Palazzo della Zecca; f. 1468; 600,000 vols.; 24,000 MSS.; Dir. Prof. TULLIA GASPARRINI LEPORACE.

Fondazione Querini-Stampalia: S. Zaccaria 4778; f. 1869; 200,000 vols.; Pres. Prof. GINO LUZZATTO; Dir. Prof. GIUSEPPE MAZZARIOL.

Verona

Biblioteca Civica: via Cappello 43; f. 1792; 499,760 vols.; 1,219 incunabula; 3,703 MSS.; Dir. Dott. MARIO CARRARA.

Vicenza

Biblioteca Civica Bertoliana: f. 1696; 336,000 vols.; Librarian ANTONIO DALLA POZZA.

MUSEUMS AND ART GALLERIES

Ancona

Museo Nazionale: Palazzo Ferretti, via Ferretti 6; f. 1871; Italian, Greek and Roman archæology; large collection of pre-Roman archæology; Dir. Dr. GIOVANNI ANNIBALDI.

Aquileia

Museo Archeologico: f. 1882; collection of Roman architecture from excavations in the town; Dir. Dott. LUISA BERTACCHI; publ. *Aquileia Nostra* (annual).

Arezzo

Galleria e Museo Medioevale e Moderno: Palazzo di Giulio III, via San Lorentino; f. 1957; Italian paintings from 13th century to 19th century, Majolica ware glass, ivories, seals and coins; Curator Prof. Dott. CORRADO ROSINI.

Museo Archeologico: via Margaritone; f. 1832; Etruscan, Greek and Roman antiquities, Coralline vases of Augustan period, sarcophagi, mosaics, coins and bronzes; Management; Superintendent of Antiquities, Florence.

Bari

Museo Archeologico: Palazzo dell'Ateneo; Dir. Dott. ANNA MARIA CHIECO BIANCHI (Acting).

Pinacoteca Provinciale: Palazzo della Provincia; Dir. Dott. MICHELE D'ELIA.

Bergamo

Galleria dell' Accademia Carrara: Piazza Giacomo Carrara collection includes paintings by Bellini and Previtali; Pres. Dott. IPPOLITO PIPIO.

Bologna

Pinacoteca Nazionale: via Belle Arti 56; f. 1808; Bolognese painting 14-18th century, and other Italian schools; German and Italian engravings; Dir. Prof. CESARE GNUDI.

Museo Civico: via Archiginnasio 2; f. 1881; prehistoric, Egyptian, Greek, Roman, Villanovan, Etruscan, Celtic antiquities; medieval and Renaissance art; Dir. Prof. Dott. LUCIANO LAURENZI.

Museo Etrusco: Marzabotto; f. 1950; Dir. Prof. GINO VINICIO GENTILI.

Bolzano

Museo Civico di Bolzano: via Cassa di Risparmio; Dir. Prof. NICOLÒ RASMO.

Brescia

Museo Civico di Storia Naturale: Castello; Dir. Prof. EMANUELE SÜSS.

Museo del Risorgimento: Castello; Dir. Dott. GAETANO PANAZZA.

Museo Romano: via dei Musei 57a; Dir. Dott. GAETANO PANAZZA.

Museo dell'Eta Cristiana: via Piamarta 4; Dir. Dott. GAETANO PANAZZA.

Pinacoteca Tosio Martinengo: Piazza Moretto; Dir. Dott. GAETANO PANAZZA.

Cagliari

Museo Archeologico Nazionale: Piazza Indipendenza; f. 1806; Sardinian antiquities (prehistorical, Punic, Roman periods) and folklore, picture gallery; Dir. Prof. GENNARO PESCE.

Capua

Museo Provinciale Campano: Dir. LUIGI GAROFANO VENOSTA.

Chieti

Museo Nazionale: Villa Comunale; Dir. Dott. VALERIO CIANFARANI.

Cividale

Museo Archeologico Nazionale: f. 1820; prehistoric, medieval, and Roman archæology; library of 12,000 vols. and archives; publishes various monographs; Dir. Prof. CARLO MUTINELLI.

Faenza

Museo Internazionale delle Ceramiche: Piazza Gen. Pasi; Dir. Prof. GIUSEPPE LIVERANI.

Ferrara

Museo Archeologico Nazionale di Spina: via XX Settembre 124 (Palazzo di Ludovico il Moro); f. 1935; Greco-Etruscan vases, statuettes, bronzes and gold ornaments from Spina; Hon. Curator Prof. NEREO ALFIERI; Dir. GINO VINICIO GENTILI.

Musei Civici: Palazzo dei Diamanti, corso Ercole I d'Este. Four sections:

Pinacoteca Nazionale: Dir. Dott. AMALIA MEZZETTI.

Civica Raccolta d'Arte Moderna: Dir. GUALTIERO MEDRI.

Civico Museo Boldini: Dir. GUALTIERO MEDRI.

Museo del Risorgimento: Dir. GUALTIERO MEDRI.

Florence

Appartamenti Monumentali: Palazzo Pitti; furniture of the 18th and 19th centuries; Dir. Dott. ANNA MARIA FRANCINI CIARANFI.

Gabinetto Disegni e Stampe: Galleria degli Uffizi; Dir. Dott. ANNA FORLANI TEMPESTI.

Galleria d'Arte Moderna: Palazzo Pitti, Piazza Pitti; f. 1860; contains paintings and sculptures of the 19th and 20th centuries; Dir. Dott. ANNA MARIA FRANCINI CIARANFI.

Galleria degli Uffizi: Piazzale degli Uffizi; f. 16th century; the finest collection of Florentine Renaissance painting in the world; Dir. Dott. LUISA BECHERUCCI.

Galleria dell' Accademia: via Ricasoli 60; f. 1784; contains the most complete collection of Michelangelo's statues in Florence and paintings of 13th-16th-century masters, mostly Tuscan; Dir. Dott. LUCIANO BERTI.

Galleria Palatina: Palazzo Pitti, Piazza Pitti; f. 17th century; contains a fine collection of paintings of 16th and 17th centuries; Dir. Dott. ANNA MARIA FRANCINI CIARANFI.

Museo Archeologico: Piazza SS. Annunziata 93; f. 1870. Egyptian, Etruscan and Greco-Roman archæology; Dir. Prof. GIACOMO CAPUTO.

Museo degli Argenti: Palazzo Pitti; collections of precious stones, ivories, ambers, cameos, porcelain, principally from the 15th to the 18th centuries; Dir. Dott. ANNA MARIA FRANCINI CIARANFI.

Museo della Casa Fiorentina Antica: Palazzo Davanzati; Dir. (Vacant).

Museo dell' Arredamento: Palazzo Davanzati; Dir. Prof. FILIPPO ROSSI.

Museo dell' Opera del Duomo: Piazza del Duomo 9; Dir. president of the Opera del Duomo.

Museo di S. Marco o dell' Angelico: Piazza San Marco; f. 1869; contains the largest existing collection of paintings by Fra Angelico; Dir. Dott. R. CHIARELLI.

Museo Horne: Fondazione Horne, via dei Benci; furniture and works of art of the 14th, 15th and 16th centuries; Pres. Prof. Dott. FILIPPO ROSSI.

Museo Mediceo: Palazzo Medici-Riccardi, via Cavour 1; chapel built by Michelozzo and frescoed by Benozzo Gozzoli (1459); gallery with frescoes by Luca Giordano (1680).

Museo Nazionale (Bargello): via del Proconsolo 4; f. 1865; sculpture and objets d'art; Dir. Dott. FILIPPO ROSSI.

Museo Nazionale della Scuola: via Buonarroti 10; f. 1928; rare books, relics, facsimiles, manuscripts, drawings, audio-visual aids; Dir. Prof. GIOVANNI CALÒ.

Museo Stibbert: ancient armour, tapestries, costumes, 15th- and 16th-century furniture, Italian and Oriental works of art; Dir. Prof. GIULIO CIRRI.

Palazzo Vecchio: Piazza della Signoria; paintings, furnishings; Halls of the *Cinquecento* and the *Duecento*.

Forlì

Istituti Culturali ed Artistici: Corso della Repubblica 30; comprises a picture gallery, collection of prints and engravings, archæological and ethnographical museums, ceramics, sculpture and local history; Piancastelli collection of paintings, medals and coins; Dir. Dott. WALTER VICHI.

Pinacoteca e Mesei Comunali: Dir. Dott. WALTER VICHI.

Genoa

Direzione Belle Arti e Storia: via Garibaldi 18; f. 1908; Dir. Dott. CATERINA MARCENARO; Museums and Galleries under its control:

Museo di Palazzo Rosso: via Garibaldi 18; paintings and sculpture, frescoes and stuccoes, prints and drawings, nativity models, coins, weights and measures, Ligurian ceramics.

Galleria di Palazzo Bianco: via Garibaldi 11; art gallery; treasures include Paganini's violin and the letters of Columbus.

Museo Navale.

Galleria d'Arte Moderna.

Museo Giannettino Luxoro.

Museo del Tesoro di San Lorenzo.

Museo del Risorgimento e Istituto Mazziniano.

Museo di Architettura e Scultura Ligure.

Museo Etnografico del Castello d'Albertis.

Museo d'Arte Orientale "Edoardo Chiossone": f. 1905.

Museo Civico di Archeologia Ligure: Villa Durazzo-Pallavicini; f. 1892; Ligurian architecture of the periods up to the Roman era.

Galleria di Palazzo Spinola: Dir. Prof. GIAN VITTORIO CASTELNOVI.

Soprintendenza alle Antichità della Liguria: Palazzo Reale, via Balbi 10; f. 1939; preservation of monuments and excavations of Liguria (prehistoric and Roman) and ancient city of Luni and prehistoric caves of Balzi Rossi; Dir. Dott. Prof. OLGA ELIA (also Dir. of Museo Archeologico Nacionale e Scavi at Luni).

Grosseto

Museo Etrusco.

L'Aquila

Museo Nazionale: Dir. Prof. GUGLIELMO MATTHIAE.

Lecce

Museo Archeologico Provinciale S. Castromediano: Palazzo del Governo; f. 1868; archæology; Dir. Dott. MARIO BERNARDINI.

Lucca

Museo di Villa Guinigi: Villa Guinigi, via S. Francesco; collection of Roman and late Roman sculptures and mosaics; Renaissance paintings.

Pinacoteca Nazionale: Palazzo del Governo; f. 1868; paintings by Fra Bartolomeo, Vasari, Titian, Tintoretto, etc., and Tuscan, Venetian, French and Flemish Schools; Dir. Dott. B. CAMPETTI.

Mantua

Galleria e Museo di Palazzo Ducale: Piazza Sordello; contains collections of Museo Statuario d'Arte Greca e Romana, f. 1773; Museo Egiziano, f. 1877; Museo Civico, f. 1852; and Galleria di Pittura, f. 1915; Dir. Dott. GIOVANNI PACCAGNINI; publ. (1950) *Catalogue* (fully illustrated).

Matera

Museo Nazionale D. Ridola: via D. Ridola 24; Dir. Prof. FELICE GINO LO PORTO.

Messina

Museo Nazionale: via della Libertà 461; f. 1953; Dir. Prof. RAFFAELE DELOGU.

Mestre

Museo di Mestre e Terre Circonvicine: Villa Querini, via Verdi 26; f. 1950; collections of local works of art, sculpture, armour, etc.; Dir. GIUSEPPE URBANI DE GHELTOF.

Milan

Gabinetto Numismatico Municipale: Castello Sforzesco; f. 1879; contains the Gabinetto Collection of Brera, coins and medals of all periods.

Galleria d'Arte Moderna: Villa Reale, via Palestro 16; painting and sculpture from Neo-Classical period to present day; Temp. Dir. Dott. PAOLO ARRIGONI.

Musei Civici: Castello Sforzesco; Dir. PAOLO ARRIGONI (Acting).

Museo d'Arte Antica: Castello Sforzesco; f. 1879; sculpture from Middle Ages to 17th century, including the *Pietà* of Michelangelo; paintings, including works by Mantegna, Foppa, Lippi, Bellini, Lotto, Tintoretto, Tiepolo, Guardi, etc.; furniture, silver, bronzes, ivories, ceramics, musical instruments, tapestries by Bramantino, library of 39,000 vols.; Dir. Prof. Dott. GIAN GUIDO BELLONI.

Museo del Risorgimento e Raccolte Storiche del Comune di Milano: Palazzo De Marchi, via Borgonuovo 23; museum f. 1884; documents, relics, etc., of the period 1750 to the present day; Dir. Prof. Dott. LEOPOLDO MARCHETTI.

Museo Nazionale della Scienza e della Tecnica (*National Scientific and Technical Museum*): via S. Vittore 21; Pres. Dott. G. UCELLI.

Museo Nazionale della Scienza e della Tecnica "Leonardo da Vinci": via San Vittore 21; f. 1953; scientific and technical activities, displaying relics, models and designs, with particular emphasis on Leonardo's work; Pres. Prof. FRANCESCO OGLIARI.

Museo Poldi Pezzoli: via A. Manzoni 12; Dir. Prof. GUIDO GREGORIETTI.

Pinacoteca Ambrosiana: Piazza Pio XI 2; f. 1618; paintings by Raphael, Botticelli, Titian, Bramante, Luini, etc.; drawings by Leonardo, Dürer, Rubens, etc.; miniatures, enamels, ceramics and medallions; Dir. Dott. CARLO CASTIGLIONI.

Pinacoteca di Brera: via Brera 28; f. 1809; pictures of all schools, especially Lombard and Venetian; paintings by Mantegna, Bellini, Crivelli, Lotto, Titian, Veronese, Tintoretto, Tiepolo, Foppa, Bergognone, Luini, Piero della Francesca, Bramante, Raphael, Rembrandt, Van Dyck, Rubens, El Greco, etc.; Dir. Prof. Dott. GIAN ALBERTO DELL'ACQUA.

Modena

Galleria, Museo e Medagliere Estense: Palazzo dei Musei, Largo di Porta S. Agostino 48; f. 15th century in Ferrara, transferred to Palazzo Ducale, Modena, 1598, to Palazzo di Musei 1884, collections include about 700 paintings and drawings of 14th to 18th centuries, sculpture, engravings, medals, etc.; library of 5,000 vols.; Dir. Prof. AUGUSTA GHIDIGLIA QUINTAVALLE.

Museo Civico: Largo Porta S. Agostino 48; f. 1871; Dir. Prehistoric and Archæological Section Dr. BENEDETTI BENEDETTO; Dir. Mediæval and Modern Section Dott. GABRIELLA GUANDALINI; publ. *Emilia Preromana.*

Museo Lapidario Estense: Largo Porta S. Agostino 48; f. 1808; Roman and Medieval archæological collections; Dir. Prof. AUGUSTA GHIDIGLIA QUINTAVALLE.

Naples

Museo "Duca di Martina" alla Floridiana: via Cimarosa 77; Dir. Dott. GIUSEPPE SCAVIZZI.

Museo e Gallerie Nazionali di Capodimonte: f. 1738; paintings from 13th to 18th centuries; paintings and sculptures of 19th century; collection of arms and armour; medals and bronzes of the Renaissance; porcelain; Dir. Prof. RAFFAELLO CAUSA.

Museo Nazionale: f. 18th century; works of art from Farnese, Borgia, and Noia collections, and works recovered from excavations in Southern Italy, particularly in Pompeii and Herculaneum; one of the foremost collections of ancient bronzes, wall paintings, and mosaics; Dir. Prof. ALFONSO DE FRANCISCIS.

Museo Nazionale di S. Martino: f. 1872; ancient church of S. Martino with 17th century pictures, 17th century paintings, 13th to 17th century sculpture, majolicas and porcelains, Neapolitan historical records and topographical collection, naval collection, arms and military costumes, opaline glass, section of modern painting, prints and engravings; Dir. (Vacant).

Scavi di Pompei e di Ercolano: f. 1738-48; excavated cities Pompeii and Herculaneum; Dir. Prof. ALFONSO DE FRANCISCIS.

Padua

Museo Civico: Piazza del Santo; f. 1825; Art Gallery (painting, sculpture, bronzes, ceramics, industrial arts), Archæological Museum, Museo Bottacin (Greco-Roman, Paduan, Venetian, Italian, Napoleonic coins and medals); civic library; Dir. ALESSANDRO PROSDOCIMI.

Palermo

Museo Nazionale Archeologico: Piazza Olivella; f. 1868; Greek, Punic, Roman and Etruscan antiquities; Dir. Prof. VICENZO TUSA.

Pinacoteca Nazionale: Dir. Prof. RAFFAELE DELOGU.

Palestrina

Museo Nazionale: Dir. Prof. VALNEA SCRINARI.

Parma

Galleria Nazionale: Palazzo della Pilotta; f. 1752, later reconstructed and added to; paintings from 14th to 19th centuries, including works by Parmigianino, Cima, Greco, Piazzetta, Tiepolo, Holbein, Van Dyck, Mor, Nattier, Correggio, and several painters of the school of Parma; Dir. Dott. AUGUSTA GHIDIGLIA QUINTAVALLE.

Museo Bodoniano: f. 1963; collections of books, correspondence and documents, workshop tools, early samples of printing, 80,000 matrices, to the memory of G. B. Bodoni; Dir. Dott. ANGELO RAFFAELE CIAVARELLA.

Museo Nazionale d'Antichità: via della Pilotta 4; f. 1759; Dir. Prof. ANTONIO FROVA.

Pavia

Museo Civico: Dir. Dott. GUGLIELMO MILANI (Acting).

Museo Malaspina: Piazza Petrarca 2; Dir. Dott. GUGLIELMO MILANI (Acting).

Perugia

Galleria Nazionale dell' Umbria: Palazzo Comunale, Corso Vannucci; f. 1863; paintings of Umbrian school, 13th-16th centuries; also sculptures and jewellery; Dir. Arch. GISBERTO MARTELLI.

Museo Archeologico Nazionale dell'Umbria: Nell'ex Convento di S. Domenico; Dir. U. CIOTTI.

Pesaro

Museo Civici: Piazza Mosca 8.

Pisa

Museo Nazionale di S. Matteo: Convento di S. Matteo, Lungarno Mediceo; sculptures by the Pisanos, Nicola, Donatello and Verrocchio; important collection of the Pisan school of the 13th and 14th centuries, and paintings of the 15th, 16th and 17th centuries, ceramics, etc.; Dir. Arch. UBALDO LUMINI.

Ravenna

Museo Nazionale di Ravenna: via S. Vitale 11; State property since 1887; Dir. GIOVANNA BERMOND MONTANARI.

Reggio Calabria

Museo Nazionale: Piazza De Nava; f. 1958; Dir. Prof. GIUSEPPE FOTI; publ. *Klearchos*.

Rome

Gabinetto Nazionale delle Stampe: Farnesina, via della Lungara 230; f. 1895; Italian and foreign prints and drawings from 14th century to present time; Dir. Prof. Dott. LIDIA BIANCHI.

Galleria Borghese: Villa Borghese, Rome 151; f. 1616 (*circa*); picture gallery, collections of classical and Baroque sculpture; Dir. Prof. Dott. PAOLO DELLA PERGOLA.

Galleria Nazionale: via Quattro Fontane; Dir. Prof. ITALO FALDI.

Galleria Nazionale d'Arte Moderna: Viale Giulia; f. 1883; art of 19th and 20th centuries; Dir. Dott. PALMA BUCARELLI.

Musei del Laterano: Piazza di Porta S. Giovanni; Dir. Conte PAOLO DALLA TORRE DI SANGUINETTO.

Musei e Gallerie di Pittura del Vaticano: Viale Vaticano; Dir. Conte PAOLO DALLA TORRE DI SANGUINETTO.

Museo Barracco: Corso Vittorio Emanuele 168; f. 1905; evolution of sculpture from Egyptian to Roman styles; Dir. Prof. A. M. COLINI.

Museo Capitolini: Piazza del Campidoglio; Dir. Prof. A. M. COLINI.

Museo della Civiltà Romana: Piazza G. Agnelli, Rome, EUR; Dir. Prof. A. M. COLINI.

Museo di Castel S. Angelo: Lungo Tevere Castello; f. 1925; ancient and modern armoury, military costumes of Italian State and Nat. Army since 1940; architectural and monumental remains, frescoes, pictures and period furniture; publishes monographs and guide books; Dir.-Gen. ARNALDO FORGIERO.

Museo di Palazzo Venezia: Piazza Venezia; Dir. Dott. MARIA VITTORIA PACE BRUGNOLI.

Museo di Roma: Piazza S. Pantaleo; Dir. Prof. A. M. COLINI.

Museo Nazionale delle Arti e Tradizioni Popolari: Piazza Marconi, EUR; f. 1923; library of 4,200 vols.; Dir. Dott. Prof. TULLIO TENTORI.

Museo Nazionale di Villa Giulia: Piazzale di Villa Guilia 9; f. 1889; Etruscan and Italian antiquities; Dir. Prof. MARIO MORETTI.

Museo Nazionale Preistorico ed Etnografico Luigi Pigorini: via del Collegio Romano 26; f. 1875; Superintendent Prof. P. C. SESTIERI; publ. *Bollettino di Paleontologia Italiana* (bi-annual).

Museo Nazionale Romano: viale delle Terme; f. 1889; Greek, Hellenistic and Roman sculpture and bronzes; pictures and mosaics, numismatics; archæological collection; Dir. Prof. A. L. PIETROGRANDE.

Scavi di Ostia: Roman antiquities, monuments, paintings, sculpture, mosaics, etc.; Dir. Dott. FLORIANI SQUARCIAPINO.

Soprintendenza del Palatino e Foro Romano: Piazza S. Maria Nova 53; Superintendent Prof. GIANFILIPPO CARETTONI.

Sarsina (Forlì)

Museo Archeologico: f. 1938; Dir. Prof. NINO FINAMORE.

Sassari

Museo Nazionale G. A. Sanna: f. 1932; archæology medieval and modern art, ethnography; Dir. Dott. GUGLIELMO MAETZKE.

Siena

Museo Archeologico: via della Sapienza; Dir. GIACOMO CAPUTO.

Pinacoteca Nazionale: via S. Pietro; f. 1930; 650 paintings exhibited; Dir. Prof. ENZO CARLI.

Syracuse

Museo Archeologico Nazionale: Piazza del Duomo 14; f. 1886; prehistory, statuary, coins and antiques from the excavations of the Greco-Roman city and from Eastern Sicily; Dir. LUIGI BERNABÒ BREA.

Taranto

Museo Nazionale: Corso Umberto 41; Dir. Prof. ATTILIO STAZIO

Tarquinia

Museo Nazionale Tarquiniense: Palazzo Vitelleschi; f. 1924; Etruscan Sarcophagi 4th and 3rd centuries B.C., Etruscan and Greek vases, bronzes, ornaments; small art gallery, works by Lippi, Batoni and Camuccini; Dir. Dott. MARIO MORETTI.

Trento

Museo Nazionale di Trento: Castello del Buonconsiglio, via B. Clesio 5; Dir. Prof. Dott. NICOLÒ RASMO.

Trieste

Civico Museo del Castello di S. Giusto: Piazza della Cattedrale 3; Curator Dr. LAURA LOSERI RUARO.

Civico Museo del Risorgimento e Sacrario Oberdan: via XXIV Maggio 4.

Civico Museo di Storia Patria—Museo Morpurgo de Nilma e Collezioni artistiche Stavropulos: via Imbriani 5; Curator M. M. ROBERTI.

Civico Museo Sartorio: via Duca d'Aosta 5.

Civico Museo Teatrale di Fondazione Carlo Schmid: Piazza Verdi 1.

Museo Civico di Storia ed Arte e Orto Lapidario: Piazza della Cattedrale 1; Curators: Dott. BIANCA MARIA FAVETTA, Dott. LAURA LOSERI RUARO.

Museo Civico Revoltella: via Armando Diaz 27; f. 1872; Dir. Prof. SILVIO RUTTERI; Curator G. MONTENERO.

Museo del Mare: via San Giorgio 3; Curator MAURO DE PINTO.

Turin

Armeria Reale: Piazza Castello 191; f. 1837; considered as one of the best collections of arms in Europe; includes the famous equestrian armour of Otto Heinrich and works by G. Paolo Negroli, Lucio Piccinino and the famous engravers of the Monaco di Baviera school, Emanuele Sadeler, Daniel Sadeler and Kaspar Spät.

Museo Civico di Torino: via Magenta 31; Dir. Dott. VITTORIO VIALE; Artistic Curators Dott. LUIGI MALLÉ, Dott. ALDO PASSONI; Curator for Coins Dott. ANNA SERENA FAVA; comprises:

- **Museo Civico d'Arte Antica:** Palazzo Madama; Dir. Dott. VITTORIO VIALE.
- **Medagliere:** Palazzo Madama.
- **Galleria Civica d'Arte Moderna:** via Magenta 31; Dir. Dott. VITTORIO VIALE.
- **Borgo e Castello Medioevali:** Parco del Valentino.
- **Museo Pietro Micca:** via Guicciardini, 7.

Museo di Antichità: via Accademia delle Scienze 6; Dir. Dott. CARLO CARDUCCI.

Museo Egizio: via Accademia delle Scienze, 6; f. 1824; sarcophagi, mummies, stele, statues, papyri, Sumerian and Assyrian, Ptolemaic and Coptic antiquities; Dir. Prof. ERNESTO SCAMUZZI.

Galleria Sabauda: via Accademia delle Scienze 6; f. 1832; one of principal Flemish and Dutch collections, and early Italian, also Bronzino, Veronese, Tiepolo and Lombard and Piedmontese schools, furniture, sculpture and jewellery; Dir. Dott. NOEMI GABRIELLI.

Udine

Museo Civico e Gallerie d'Arte Antica e Moderna: nel Castello; f. 1866; Dir. Dott. ALDO RIZZI.

Urbino

Galleria Nazionale delle Marche (Palazzo Ducale): f. 1912; medieval and Renaissance works of art originating in the town of Urbino and the province of Marche; Dir. Prof. GIUSEPPE MARCHINI; Sec. Dott. FILIPPA ALIBERTI; publ. *Anthology*.

Venice

Biennale di Venezia: S. Marco, Ca' Giustinian; f. 1895; the autonomous institution, "La Biennale di Venezia", organises an international exhibition of visual arts every two years, housed in twenty-seven pavilions belonging to the principal nations of Europe, Asia, Africa and America, an annual international exhibition of cinematographic art, an exhibition of scientific film and documentary art, an international festival of films for children, an international music festival, and an international drama festival; the Biennale owns historical archives of contemporary art (library of 13,000 vols., photographs, etc.); Pres. Prof. ITALO SICILIANO; Sec.-Gen. Prof. GIAN ALBERTO DELL'ACQUA; publ. *La Biennale di Venezia*.

Ca' Pesaro: Canal Grande; oriental art, modern paintings and sculptures.

Ca' Rezzonico: Canal Grande; f. 1936; Venetian Settecento; Dir. Prof. GIOVANNI MARIACHER.

Civico Museo Correr: Piazza San Marco, Procuratie Nuove; f. 1830; Venetian art and history of the Serenissima; Dir. Prof. GIOVANNI MARIACHER.

Galleria "G. Franchetti": f. 1927; alla Ca' d'Oro; Dir. Prof. GIOVANNI PACCAGMINI.

Galleria Internazionale d'Arte Moderna: San Stae; f. 1897; Italian paintings, and foreign paintings and sculpture, 1800 to present day; Dir. Dott. GUIDO PEROCCO.

Gallerie dell' Accademia: Campo della Carita 1059A; f. 1807; Dir. Dott. FRANCDSCO VALCANOVER.

Museo Archeologico: Palazzo già Reale in Piazzetta S. Marco; f. 1523, reorganised 1923-26 and again after 1945; Greek and Roman sculpture, jewels and coins, mosaics and sculptures from the 5th to the 11th centuries; Dir. Dott. GIULIA FOGOLARI.

Museo Civico di Storia Naturale: Fontego dei Turchi; marine fauna of the Adriatic, ornithology, entomology; collections of plants and algae of the world.

Museo Storico Navale: Campo Angelo Emo 2148.

Museo Vetrario: Murano; f. 1935; Venetian glass from 1500-1800; Dir. Prof. GIOVANNI MARIACHER.

Palazzo Ducale: Piazza S. Marco; Dir. Prof. Arch. EGLE RENATA TRINCANATO.

Pinacoteca Manfrediana: Campo della Salute; Italian paintings mainly of the Renaissance.

Pinacoteca Querini-Stampalia: Ca' Querini-Stampalia, Campo Santa Maria Formosa; f. 1868; Italian paintings.

Raccolte del '700 Veneziano a Ca' Rezzonico: Dir. Prof. GIOVANNI MARIACHER.

Verona

Museo Archeologico al Teatro Romano: Dir. Dott. LICISCO MAGAGNATO.

Museo di Castlevecchio: Corso Cavour; Dir. Dott. LICISCO MAGAGNATO.

Vicenza

Museo Civico: Palazzo Chiericati; Curator Dott. GINO BARIOLI.

Viterbo

Museo Civico: Dir. Dott. MARIO MORETTI.

Volterra

Museo Diocesano d'Arte Sacra: Palazzo Vescovile; sculpture, paintings, costumes, ornaments, etc.

Museo Etrusco: via Vittorio Emanuele II; f. 1761; Roman and Etruscan coins, urns, bronzes, etc.; Dir. Prof. ENRICO FIUMI.

STATE UNIVERSITIES

UNIVERSITA DEGLI STUDI

PIAZZA UMBERTO I, BARI

Telephone: 216640.

Founded 1924.

Rector: Prof. P. DEL PRETE.

Registrar: Dott. M. NATALE.

Number of teachers: 563, including 116 professors.

Number of students (1965): 16,143 men, 7,907 women, total 24,050.

DEANS:

Faculty of Economics and Commerce: Prof. P. MAZZONI.

Faculty of Medicine: Prof. G. BERTACCINI.

Faculty of Pharmacology: Prof. V. CARELLI.

Faculty of Jurisprudence: Prof. F. M. DE ROBERTIS.

Faculty of Agriculture: Prof. A. CICCARONI.

Faculty of Letters: Prof. M. SANSONE.

Faculty of Science: Prof. M. MERLIN.

Faculty of Engineering: Prof. E. ORABONA.

Faculty of Education: Prof. O. BALDACCI.

PROFESSORS:

Faculty of Economics and Commerce:

BARBIERI, G., History of Economics
CAPODAGLIO, G., Political Economy
CASSANDRO, P. E., General and Applied Accountancy
CODACCI PISANELLI, G., Administrative Law
MAZZONI, P., Mathematics of Finance
MENGHINI, G., Professional and Technical Transactions
MORREALE, MARGHERITA, Spanish
NEBBIA, G., Commerce
RANIERI, L., Economic Geography
SALVEMINI, T., Statistics

Faculty of Medicine:

ADAMO, M., Forensic and Insurance Medicine
AMPRINO, R., Normal Human Anatomy
ARMENIO, G., Clinical Odontology
BERTACCINI, G., Clinical Dermato-Syphilopathy
CHINI, V., General Clinical and Therapeutic Medicine
DE BLASI, A., Surgical Pathology and Clinical Propædeutics
D'ERMO, F., Clinical Ophthalmology
LUGLI, G., Clinical Oto-Rhino-Laryngology
MALAGUZZI VALERI, C., Specialised Pathology and Clinical Methodology
MARINACCIO, G., Surgical Semeiology
MITOLO, M., Human Physiology
PARVIS, D., Hygiene
PEROSA, L., Medical Semeiology
PUCCINELLI, V. A., Clinical Dermato-Syphilopathy
REDI, R., General Clinical Surgery
RIGOTLI, S., Nervous and Mental Diseases
RIZZI, I., Anatomy, Histology, Pathology
SOLARINO, G., General Pathology
TRAMBUSLI, B., Children's Hospital
VALLE, G., Clinical Obstetrics and Gynæcology
ZAMBONI, P., Pharmacology

Faculty of Pharmacology:

CARELLI, V., Chemical Pharmaceutics and Toxicology

Faculty of Jurisprudence:

AURICCHIO, A., Private Law Institutions
BACCARI, R., Ecclesiastical Law

Capotorti, F., International Law
Casavola, F. P., Roman Law Institutions
Cassandro, G., History of Italian Law
de Robertis, F. M., Institutions of Roman Law
Dell'Andro, R., Penal Law
Del Prete, P., Administrative Law
Giugni, L., Labour Law
Martorano, F., Private Law Institutions
Montesano, L., Civil Procedure Law
Moro, A., Penal Law
Moschetti, G., History of Italian Law
Scognamiglio, R., Civil Law
Spinelli, M., Private Law Institution
Tesauro, P., American Public Law

Faculty of Agriculture:
Bolcato, V., Agrarian Industry
Candura, G., Agrarian Mechanics
Cavazza, L., Agronomy
Ciccaroni, A., Plant Pathology
Donno, G., Arboreal Growth
Grasso, V., Physiopathology
Montemurro, O., Special Zootechnics
Panerai, A., Agricultural Economy

Faculty of Letters:
Bronzini, G. B., History of Popular Traditions
Cilento, V., History of Ancient Philosophy
Chiarini, P., German Language and Literature
Corsano, A., History of Philosophy
Figurelli, F., Italian Literature
Lepore, E., Greek and Roman History
Paladini, V., Latin Literature
Pepe, G., Medieval and Modern History
Prandi, A., Christian Archæology
Pratesi, A., Palæography
Russo, C. F., Greek Literature
Sansone, G. E., Romantic Philology
Sansone, M., Italian Literature
Santonastaso, G., History of Political Theory
Semerai, G., Theoretical Philosophy

Faculty of Science:
Aquaro, G., Mathematical Analysis
Barnabei, O., General Physiology
Battaglia, E., Genetics
Bonetti, A., Experimental Physics
Campanato, S., Mathematical Analysis
Cossu, A., Geometry
Ferrari, F., Technical Physics
Garelli, Carola M., Structure of Substances
Jannelli, Liliana, Physical Chemistry
Manarini, M., Theoretical Mechanics
Merlin, M., Experimental Physics
Messeri, Albina, Botany
Modena, G., Organic Chemistry
Papoff, P., Analytical Chemistry
Quagliariello, E., Biological Chemistry
Sacco, A., Inorganic and General Chemistry
Sara, M., Zoology
Scatturin, V., General and Inorganic Chemistry
Valduga, A., Geology

Faculty of Engineering:
Apollony Ghetti, Maria B., Design
Cotecchia, V., Applied Geology
De Montemayor, L., Electro-technics
Orabona, E., Hydraulic Constructions
Petrignani, A., Technical Architecture
Ruiz, S., Road and Railway Construction
Salvati, M., Construction Engineering
Sersale, R., Material Technology and Applied Chemistry

Faculty of Education:
Baldacci, O., Geography
Corallo, G., Pedagogy
Quacquarelli, A., Ancient Christian Literature
Zunini, G., Psychology

UNIVERSITÀ DEGLI STUDI

VIA ZAMBONI 33, BOLOGNA

Telephone: 72,933

Founded 11th Century.

Rector: Prof. F. Battaglia.

General Secretary: Dott. S. Mazzaracchio.

Number of teachers: 142 professors.

Number of students: 20,805.

Deans:

Faculty of Jurisprudence: Prof. T. Carnacini.
Faculty of Economics and Commerce: Prof. W. Bigiavi.
Faculty of Arts and Philosophy: Prof. C. del Grande.
Faculty of Education: Prof. G. M. Bertin.
Faculty of Medicine and Surgery: Prof. L. Bacialli.
Faculty of Mathematics, Physics and Natural Sciences: Prof. D. Graffi.
Faculty of Industrial Chemistry: Prof. A. Mangini.
Faculty of Pharmacy: Prof. Elisa Ghigi.
Faculty of Engineering: Prof. P. Dore.
Faculty of Agriculture: Prof. G. Goidanich.
Faculty of Veterinary Medicine: G. Borgatti.

Professors:

Faculty of Jurisprudence:
Alessi, R., Administrative Law
Andreatta, B., Political Economy
Bassanelli, E., Agricultural Law
Carnacini, T., Civil Procedural Law
Carresi, F., Civil Law
De Luca, G., Penal Procedure
de Vergottini, G., History of Italian Law
Fasso, G., Philosophy of Law
Lanfranchi, F., History of Roman Law
Luzzatto, G., Roman Law
Mancini, G. F., Labour Law
Nardi, E., Institutions of Roman Law
Pergolesi, F., Constitutional Law
Rescigno, P., Institutions of Private Law
Scavo Lombardo, L., Ecclesiastical Law
Sereni, A. P., International Law

Faculty of Economics and Commerce:
Bellettini, A., Demography
Bigiavi, W., Commercial Law
Carullo, V., Labour Law
Ciusa, W., Trade
Dal Pane, L., Economic History
De Dominicis, U., General and Applied Accountancy
Fortunati, P., Statistics
Maggi, R., Political Economy
Merlini, G., Economic Geography
Santani, G., Commercial Law
Scardovi, I., Statistics

Faculty of Arts and Philosophy:
Alfeiri, N., Topography of Ancient Italy
Anceschi, L., Aesthetics
Battaglia, F., Moral Philosophy
Boni, M., Romance Philology
Bottari, S., History of Medieval and Modern Art
Bovini, G., Christian Archæology
Del Grande, C., Greek Literature
Heilmann, L., Glottology
Izzo, C., English Language and Literature
Laurenzi, L., Archæology, History of Greek and Roman Art
Moretti Costanzi, T., Philosophical Theory
Orlandelli, G., Palæography and Diplomatics
Pensa, M., German Language and Literature
Pericoli, R. F. S., History of Christianity
Pighi, G., B., Latin Literature
Spongano, R., Italian Literature
Toschi, U., Geography

Faculty of Education:
Bertin, G. M., Pedagogy
Fasoli, Luigina, History
Matucci, N., French Language and Literature
Paoli, R., German Language and Literature
Pasoli, E., Latin Language and Literature
Rossi, P., History of Philosophy
Raimondi, E., Italian Language and Literature
Vecchi, G., History of Medieval Latin Literature

Faculty of Medicine and Surgery:
Ambrosetto, C., Nervous and Mental Disorders
Ambrosioni, P., Hygiene
Bollini, V., Radiology
Bonetti, E., General Pathology
Branzi, A., Odontiatrics
Campanacci, D., Specialised Clinical Pathology and Methodology
Canestrari, R., Psychology
Caramazza, F., Clinical Ophthalmology
Carco, P., Clinical Oto-Rhino-Laryngology
Cestari, A., Pharmacology
Favilli, G., General Pathology
Giunti, G., Pathological Anatomy and Histology
Infantellina, F., Human Physiology
Labo, G., Semeiology
Manganotti, G., Syphilodermopathic Clinic
Manunza, P., Forensic and Insurance Medicine
Martoni, L., Pediatrics
Moruzzi, G., Biochemistry
Olivo, O. M., Normal Human Anatomy
Placitelli, G., Clinical and Therapeutic Surgery
Quinto, P., Obstetrics and Gynæcology
Rizzoli, C., Histology and General Embryology
Rosa, A., Microbiology
Salvioli, G., Clinical Pediatrics
Sotgiu, G., General Clinical and Therapeutic Medicine
Tagariello, P., Surgical Pathology
Zanoli, R., Clinical Orthopædics

Faculty of Mathematics, Physics and Natural Sciences:
Bertossi, F., Plant Physiology
Ceccarelli, M., General Physics
Cementel, E., Nuclear Physics
Cimmino, G., Mathematical Analysis
Favero, P., Molecular Spectroscopy
Ferretti, B., Theoretical Physics
Gallitelli, P., Mineralogy
Graffi, D., Rational Mechanics
Leghissa, S., Comparative Anatomy
Pagni, N., Mathematical Analysis
Pignedoli, A., Higher Mechanics
Pini, B., Mathematical Analysis
Puppi, G., Advanced Physics
Savelli, R., Botany
Selli, R., Geology
Semerano, G., Physical Chemistry

VANNINI, E., Zoology
VIALLI, V., Palæontology
VILLA, M., Geometry

Faculty of Industrial Chemistry:
ANDRISANO, R., Industrial Chemistry
MANGINI, A., Organic Chemistry
SPINEDI, P., Science of Metals
ZAULI, C., Molecular Spectroscopy

Faculty of Pharmacy:
GHIGI, ELISA, Pharmaceutical and Toxicological Chemistry

Faculty of Engineering:
BASILE, S., Electro-technics
BASSI, P., Industrial Chemistry
BOTTAU, B., Road, Rail and Airport Construction
CIAMPOLONI, F., Electrotechnics
COCCHI, G., Hydraulics
COLONNA, M., Industrial Chemistry
DE CASTRO, E., Applied Electronics
EVANGELISTI, G., Hydraulic Construction
FICAI, C., Chemistry, Ceramic Technology
FUNAIOLI, E., Machinery Mechanics
GIULIANINI, A., Technical Physics
MORANDI, G., Machinery
POGGI, B., Mechanics of Petroleum Resources
POZZATI, P., Construction Techniques
STAGNI, E., Techniques and Economics of Transport
SUPINO, G., Hydraulics
ZANABONI, O., Building Science

Faculty of Agriculture:
ANTONIETTI, A., Agricultural Valuation and Accountancy
BALDINI, E., Tree Cultivation
DI COCCO, E., Agrarian Economy and Politics
GOIDANICH, G., Plant Pathology
MANCINI, E., General Agronomy and Pasture Cultivation
PERDISA, L., Agrarian Economy and Politics
PRINCIPI, MARIA M., Agrarian Entomology
SACCHETTI, M., Technical Agricultural Microbiology
STEFANELLI, G., Agricultural Mechanics

Faculty of Veterinary Medicine:
BORGATTI, G., Physiology of Domestic Animals, Biochemistry
CELLA F., Special Pathology and Veterinary Surgery
CHIODI, V., Anatomy of Domestic Animals, Histology, Embryology
FALASCHINI, A., General Zootechnics
MESSIERI, A., Special Pathology and Clinical Medicine
MONTRONI, L., General Pathology, Pathological Anatomy
PELI, I., Veterinary Obstetrics and Gynaæcology

UNIVERSITÀ DI CAGLIARI

CAGLIARI, SARDINIA

Telephone: 54-884

Founded 1606 by Pope Paolo V.

Rector: Prof. G. PERETTI.
Administrative Director: Dott. A. PIRODDI.
Secretary: Dott. M. TUVERI.
Registrar: G. MAXIA.
Librarian: Dott. GRAZIELLA SEDDA DELITALA.

Number of teachers: 150, including 50 professors.
Number of students: 3,031 men, 1,948 women, total 4,979.

Publications: *Studi economico-giuridici* and publications from each Faculty.

DEANS:

Faculty of Jurisprudence: Prof. PAOLA MARIA ARCARI.
Faculty of Letters and Philosophy: Prof. G. LILLIU.
Faculty of Education: Prof. ANGIOLA MASSUCCO-COSTA.
Faculty of Medicine: Prof. M. ARESU.
Faculty of Science: Prof. C. GUARESCHI.
Faculty of Pharmacy: Prof. G. MONTALDO.
Faculty of Engineering: Prof. M. CARTA.
Faculty of Economics: Prof. G. MICA.

PROFESSORS:

Faculty of Jurisprudence:
ARCARI, PAOLA M., History of Political Doctrines
ARDAU, G., Labour Law
CUOMO, G., Institutions of Public Law
MONTESAND, L., Civil Procedural Law
SALIS, L., Civil Law
SRAFFA, P., Political Economy
TALAMANCA, M., Institutions of Roman Law
UBERTAZZI, G. M., International Law

Faculty of Letters and Philosophy:
BOSCOLO, A. A., Medieval History
DEL MONTE, A., Romance Philology
LEVI, T., Archæology
LILLIU, G., Sardinian Antiquities
MARZULLO, B., Greek Literature
MELONI, P., Greek and Roman History
PETRONIO, G., Italian Literature
ROSSI, P., History of Philosophy
SIONETTI, M., Ancient Christian Literature
USSANI, V., Latin Literature

Faculty of Education:
CAPITINI, A., Pedagogy
DE MARTINO, E., History of Religion
MASSUCCO-COSTA, ANGIOLA, Psychology
PRACCHI, R., Geography

Faculty of Medicine:
ARESU, M., Clinical and Therapeutic Medicine
BORGHESE, E., Histology and General Embryology
BROTZU, G., Hygiene
BUSINCO, O., Radiology
DIANZANI, M., General Pathology
FARAONE, G., Forensic and Insurance Medicine
FIASCHI, E., Special Medical Pathology and Methodology
FLORIS, V., Clinical Nervous and Mental Diseases
LEONE, ANTONIETTA, Child Medicine
MACCIOTTA, G., Clinical Pediatrics
MIGLIAVACCA, A., Clinical Obstetrics and Gynæcology
MONTALDO, G., Anatomy and Pathological Histology
PERETTI, G., Human Physiology
PEZZUOLI, G., General Surgery and Surgical Therapy
PINETTI, G., Clinical Dermosyphilology
SPANEDDA, A., Microbiology
WIRTH, A. M., Ophthalmology

Faculty of Science:
AYMERICH, G., Rational Mechanics, Statistics and Design
CASTOLDI, L., Mathematical Physics
FERRONE, E., Physical Chemistry
FRIZZI, G., Genetics
FRONGIA, G., Experimental Physics
GATTO, R. R., Theoretical Physics
GUARESCHI, C., Zoology
MAXIA, CARLO, Anthropology
MAXIA, CARMELO, Geology
ROSSETTI, V., Mineralogy
VARDABASSO, S., Geology

Faculty of Engineering:
BERIO, A., Constructional Science
CARTA, M., Mining Engineering and Mineral Dressing
COLLARI, N., Applied Chemistry
FASSO, C., Hydraulics
MERIGIANO, L., Electrotechnics
RATTU, S., Drawing
SANDONNINI, P. P., Technics and Economics of Transport
SCOTTO LAVINA, G., Mechanics Allied to Machinery

Faculty of Economics and Commerce:
EMANUELLI, F., Social Insurance
ESPOSITO DE FALCO, S., Political and Financial Economy
MIRA, G., History of Economics
PINO, A., Institutions of Private Law
VITTA, E., Institutions of Public Law

UNIVERSITÀ DI CAMERINO

PIAZZA CAVOUR, CAMERINO

Telephone: 82466.

Founded 1727.

Rector: Prof. A. MALINTOPPI.
Secretary: (Vacant).

Number of teachers: 10 professors.
Number of students: 925.

Publications: *Annuario, Annali, Notiziario.*

DEANS:

Faculty of Jurisprudence: Prof. P. RASI.
Faculty of Science: Prof. M. DE VINCENTIIS.
Faculty of Pharmacy: Prof. G. G. TEDESCHI.

PROFESSORS:

Faculty of Jurisprudence:
CIPROTTI, P., Ecclesiastical Law
MALINTOPPI, A., International Law
PALAZZOLO, V., Philosophy of Law
RASI, P., History of Italian Law

Faculty of Science:
FAVA, A., General and Inorganic Chemistry
TEDESCHI, G. G., General Physiology

Faculty of Pharmacy:
SACCARDI, P., Chemical Pharmacology, Toxicology
ZAMBONI, P., Pharmacology, Pharmacognosy

UNIVERSITÀ DI CATANIA

CATANIA

Telephone: 217-459.

Founded 1434.

Rector: Prof. C. SANFILIPPO.
Administrative Director: Dott. G. MORETTO.

Number of teachers: 268, including 77 professors.
Number of students: 8,784.

DEANS:

Faculty of Jurisprudence: Prof. G. AULETTA.
Faculty of Economics and Commerce: Prof. A. PETINO.
Faculty of Letters and Philosophy: Prof. Q. CATAUDELLA.

Faculty of Medicine and Surgery: Prof. A. FRANCAVIGLIA.
Faculty of Mathematics, Physics, Chemistry and Natural Sciences: Prof. B. FORESTI.
Faculty of Pharmacy: A. CANNAVÀ.
Faculty of Agriculture: Prof. A. IANNACCONE.

PROFESSORS:

Faculty of Jurisprudence:
AULETTA, G., Commercial Law
BIANCA, C. M., Civil Law
CANNADA BARTOLI, E., Administrative Law
CONDORELLI, O., Philosophy of Law
COSENTINI, C., History of Roman Law
DI PAVLA, S., Private Law Institutions
FINOCCHIARO, F., Canon Law
GRASSO, E., Civil Law Procedure
GUELI, V., Constitutional Law
OTTAVIANO, V., Public Law Institutions
PAVONE, A., Private Law Institutions
PIANO, M. V., History of Law
SANFILIPPO, C., Institutions of Roman Law
SIRACUSANO, D., Penal Procedure
ZANGARA, V., Constitutional Law
ZINGALI, G., Finance and Financial Law

Faculty of Economics and Commerce:
CAMPAGNA, L., Private Law Institutions
DE LUCA, A., Private Law Institutions
DEL PUNTA, V., Political Economy and Finance
PETINO, A., Economic History
SALZANO, A., Bookkeeping

Faculty of Letters and Philosophy:
CATAUDELLA, Q., Greek Literature
DELBONO, F., German Language and Literature
LA VIA, V., Pedagogy
MORISANI, O., History of Medieval and Modern Art
MUSCETTA, C., Italian Literature
NASELLI, C., Folk Lore and Literature
OTTAVIANO, C., History of Philosophy
PICCITO, G., Sicilian Dialectology
RAPISARDA, E., Early Christian Literature

Faculty of Medicine and Surgery:
BASILE, A., General Clinical Surgery
BIANCHI, L., Human Anatomy
BIOCCA, P., Surgical Pathology
CANNAVÀ, A., Pharmacology
CETRONI, B. M., Clinical Obstetrics and Gynæcology
CIMINO, S., General Pathology
COTTINI, G. B., Clinical Dermato-Syphilopathy
FAVALORO, G., Clinical Ophthalmology
FORTUNATO, V., Clinical Oto-Rhino-Laryngology
FRANCAVIGLIA, A., General Clinical Medicine
MELDOLESI, G., Radiology
NAVARRA, S., Surgical Semeiotics
NICOLETTI, F., Legal Medicine and Insurance
PARADISO, F., Clinical Pædiatrics
PERO, C., Neurology
PETRAGNANI, G., Hygiene
RASARIO, G. M., Semeiology
RICCERI, G., Biological Chemistry
RUSSO, F., Clinical Orthopædics
SIGNORELLI, S., Specialised Pathology
TEMPESTINI, O., Clinical Odontology
TROPEANO, L., Infectious Illnesses

Faculty of Mathematics, Physics, Chemistry and Natural Sciences:
DANTONI, G., Geometry
FORESTI, B., Chemistry
FRACASTORO, M. G., Astronomy
LA GRECA, M., Zoology
OGNIBEN, L., Geology
PASSERINI, R., Industrial Chemistry
PATANÈ, L., Marine Biology
QUERCIA, I., Physics
RICAMO, R., Experimental Physics
SCIUTU, S., Structure of Materials
TOMASELLI, R., Botany

Faculty of Pharmacy:
(Vacant—Pharmaceutical Chemistry)

Faculty of Agriculture:
GIOVANNINI, E., Agricultural Chemistry
IANNACCONE, A., General Agronomy and Grass Crops
LUPO, V., Agricultural Entomology
PATUELLI, V., Economic and Agricultural Politics
SCARAMUZZI, G., Plant Pathology
ZITO, F., Forestry

UNIVERSITÀ DEGLI STUDI

VIA SAVONAROLA 9, FERRARA

Founded 1391.

Rector: Prof. Dott. G. B. DELL'ACQUA.
Administrative Director: Dott. P. PERICONE.

Number of teachers: 72, including 37 professors.

Number of students: 2,038 men, 272 women, total 2,310.

Publications: *Annali della Università, Annuario.*

DEANS:

Faculty of Jurisprudence: Prof. V. COLORNI.
Faculty of Medicine and Surgery: Prof. F. VIGI.
Faculty of Mathematical, Physical and Natural Sciences: Prof. E. TRIA.
Faculty of Pharmacy: G. B. CRIPPA.

PROFESSORS:

Faculty of Jurisprudence:
AMIRANTE, L., Institutions of Roman Law
BERNINI, G., Comparative Private Law
COLORNI, V., History of Italian Law
GIOFFREDI, C., Roman Law
MOSCHELLA, A., Agrarian Law
ROMANO, A., Administrative Law
SENA, G., Industrial Law
SPAGNA, MUSSO, E., Regional Constitutional Law
STEFANI, G., Financial Science and Law

Faculty of Medicine and Surgery:
BASERGA, A., Semeiology
DELL'ACQUA, G. B., Clinical Medicine
GABURRO, G., Pediatrics
GAIATTO, SANTE, Pharmacology
LANZA, G., Anatomy and Pathological Histology
MEZZADRA, G., Clinical Dermato-Syphilopathy
MURATORI, G., Human Anatomy
PANSINI, R., Semeiology
PONTREMOLI, S., Biological Chemistry
RAGAZZINI, F., Clinical Pediatrics
ROBUSCHI, L., General Pathology
RUFFO, A., Surgical Pathology
SARTORI, E., Pædiatrics
TRINCAS, M., General Clinical Surgery
TORTORA, M., Obstetrics and Gynæcology
TRONCONI, V., Nervous and Mental Diseases
VESPIGNANI, A., Radiology
VIGI, F., Clinical Oto-Rhino-Laryngology

Faculty of Mathematical, Physical and Natural Sciences:
CANELLA, M. F., Zoology
CARASSITI, V., General and Inorganic Chemistry
CATTABRIGA, L., Mathematical Analysis
DRIGO, A., Experimental Physics
FORTE, B., Rational Mechanics
GIOELLI, F., Botany
LEONARDI, P., Geology
MURACCHINI, L., Geometry
RAUNICH, L., Comparative Anatomy
TRIA, E., General Physiology

Faculty of Pharmacy:
CRIPPA, G., Chemical Pharmaceutics and Toxicology

UNIVERSITÀ DEGLI STUDI

PIAZZA SAN MARCO 4, FLORENCE

Telephone: 26-23-51.

Founded 1321.

Rector: Prof. G. G. ARCHI.
Secretary and Registrar: Dott. T. GALLO.

Number of teachers: 310, including 121 professors.

Number of students: 7,520.

DEANS:

Faculty of Jurisprudence: Prof. S. ROMANO.
Faculty of Social and Political Sciences: Prof. G. MARANINI.
Faculty of Economics: Prof. A. BERTOLINO.
Faculty of Letters and Philosophy: Prof. C. PELLEGRINI.
Faculty of Education: Prof. G. NENCIONI.
Faculty of Medicine and Surgery: Prof. A. LUNEDEI.
Faculty of Science: Prof. G. CAROBBI.
Faculty of Pharmacology: Prof. C. MUSANTE.
Faculty of Architecture: Prof. R. FAGNONI.
Faculty of Agriculture and Forestry: Prof. M. GASPARINI.

PROFESSORS:

Faculty of Jurisprudence:
ARCHI, G., Roman Law
BARILE, P., Constitutional Law
CAPPELLETTI, M., Comparative Agrarian Law
COTTA, S., Philosophy of Law
FERRARA, F., Commercial Law
FIORELLI, P., History of Italian Law
FREZZA, P., History of Roman Law
FURNO, C., Civil Procedural Law
GALLI, R., Political Economics
GISMONDI, P., Ecclesiastical Law
LA PIRA, G., Elements of Roman Law
MAZZONI, G., Labour Legislation
MIELE, G., Administrative Law
ROMANO, S. Civil Law

Faculty of Social and Political Sciences:
BARILE G., International Law
BIONDI P., Theory of the State
CURCIO, C., History of Political Law
FRANCHINI STAPPO, A., Political and Financial Economics
MARANNI, G., Italian Constitutional and Comparative Law
MOSCA, R., History of Treaties, International Politics
PELLIZZI, C., Sociology

Rava, R., Labour Law
Satori, G., Applied Sociology
Spadolini, G., Contemporary History

Faculty of Economics:
Bertolino, A., Political Economy
Bracco, R., Commercial Law
Fazzi, R., Industrial and Commercial Technics
Funaioli, C. A., Private Law
Galateria, L., Administrative Law
Melis, F., Economic History
Nice, B., Economic Geography
Parravicini, G., Financial Science and Law
Parenti, G., Statistics
Riparbelli, A., General and Applied Accountancy

Faculty of Letters and Philosophy:
Baldi, S., English Language and Literature
Banti, Luisa, Etruscan Studies
Bartoletti, V., Papyrology
Becatti, G., Archæology and History of Classical Art
Binni, W., Italian Literature
Cantimori, D., Modern History
Contini, G., Romance Philology
Devoto, G., Glottology
Garin, E., History of Philosophy
Luporini, C., Moral Philosophy
Migliorini, B., History of the Italian Language
Natoli, G., French Language and Literature
Perosa, A., Medieval Philology and Humanism
Piattoli, R., Palæography
Pugliesi Caratelli, G., Ancient History of Western Asia
Ronconi, A., Latin Literature
Salvini, R., History of Medieval and Modern Art
Santoli, V., German Language and Literature
Sestan, E., Medieval History
Sestini, A., Geography
Vasa, A., Theoretical Philosophy
Verdiani, C., Slav Philology

Faculty of Education:
Borghi, L., Pedagogy
Cordie, C., French Language and Literature
Macri, O., Spanish Language and Literature
Marzi, A., Psychology
Nencioni, G., Italian Language and Historical Grammar
Pagnini, M., English Language and Literature
Preti, G., History of Philosophy
Ramat, R., Italian Language and Literature
Spini, G., History

Faculty of Medicine and Surgery:
Allara, E., Histology and General Embryology
Antonini, F. M., Gerontology
Baccari, V., Biochemistry
Bono, Simonetta, Oto-Rhino-Laryngology
Chiodi, V., Forensic Medicine
Cocchi, C., Pediatrics
Costa, A., Pathological Anatomy and Histology
Davoli, R., Microbiology
De Giuli, G., Radiology
Fazzari, I., Human Anatomy
Focosi, M., Clinical Ophthalmology
Fonnesu, A., General Pathology
Greppi, E., Clinical Medicine
Ingiulla, W., Obstetrics and Gynæcology
Lunedei, A., Medical Pathology
Maleci, O., Nervous and Mental Diseases
Mazzetti, G., Hygiene
Morelli, A., Industrial Medicine
Niccolini, P., Pharmacology
Peruzzi, P., Physiology
Scaglietti, O., Clinical Orthopædics
Scolari, E. G., Dermatology and Syphilology
Severi, A., Clinical Surgery
Teodori, U., Semeiology
Tonelli, L., Pathology, Specialised Surgery

Faculty of Science:
Azzaroli, A., Paleontology
Campedelli, L., Geometry
Canneri, G., Analytical Chemistry
Carobbi, G., Mineralogy
Carrara, N., Electromagnetic Waves
Conti, R., Mathematical Analysis
Corti Francini, Eleonora, Botany
Franchetti, S., Experimental Physics
Gatto, R. R., Theoretical Physics
Graziosi, P., Anthropology
Merla, G., Geology
Merli, L., Numerical Calculus and Graphics
Padoa, E., Comparative Anatomy
Pardi, L., Zoology
Piccardi, G., Physical Chemistry
Righini, G., Astronomy
Sacconi, L., General and Inorganic Chemistry
Sestini, G., Rational Mechanics
Speroni, G., Organic Chemistry
Torraldo di Francia, G., Higher Physics
Zappa, G., Algebra

Faculty of Pharmacology:
Musante, C., Pharmaceutical and Toxicological Chemistry

Faculty of Architecture:
Ceraldini, G., Science of Building
Fagnoni, R., Distributive Characters of Buildings
Gamberini, I., Interior Architecture and Relief of Monuments
Gori, G., Interior Architecture, Furnishing and Decoration
Ricci, L., Elements of Composition
Rodolico, F., Mineralogy and Geology
Sanpaolesi, P., Building Materials and Construction

Faculty of Agriculture and Forestry:
Bellucci, V., Forest Valuation and Economics
Biraghi, A., Forest Pathology
Borgioli, E., General Zootechnics
Corti, R., General Botany
De Philippis, A., Cultivation of Forests
Florenzano, G., Agrarian Microbiology
Garoglio, P. G., Agricultural Industries
Gasparini, M., Agronomy and Grass Crops
Giordano, G., Wood Technology and Manufactures
Magini, E., Silviculture
Malquori, A., Forest Chemistry
Mancini, F., Applied Geology
Orsi, S., Apiculture
Patrone, G., Planned Forestry
Tofani M., Economics and Agricultural Politics
Vitali, G., Agricultural Mechanics and Technical Drawing
Zoli, L., Forest Irrigation Systems

UNIVERSITÀ DEGLI STUDI DI GENOVA

GENOA

Telephone: 297.971-6.

Founded 1471.

Rector: Prof. G. Orestano.

Administrative Director: Dott. M. Alburno.

Number of teachers: 454, including 107 professors.

Number of students: 11,000.

DEANS:

Faculty of Jurisprudence: Prof. M. Casanova.
Faculty of Economics and Commerce: Prof. F. Borlandi.
Faculty of Letters and Philosophy: Prof. L. de Regibus.
Faculty of Medicine and Surgery: Prof. A. Vallebona.
Faculty of Mathematics, Physics and Natural Science: Prof. G. Scortecci.
Faculty of Pharmacy: Prof. A. Gandini.
Faculty of Engineering: Prof. A. A. Capocaccia.

PROFESSORS:

Faculty of Jurisprudence:
Andrioli, V., Civil Law Suits
Bagolini, L., Philosophy of Law
Bo, G., Civil Law
Casanova, M., Commercial Law
Cereti, C., Constitutional Law
Cialdea, B., History of International Political Treaties
D'Angelo, A., Private Civil Law
Ferrarini, S., Navigation Law
Foschini, G., Penal Procedure
Novara, G., Labour Law
Piola, A., Ecclesiastical Law
Prosdocimi, L., History of Italian Law
Rossi, P., Penal Law
Scerni, M., International Law
Talamona, M., Political Economy

Faculty of Economics and Commerce:
Amaduzzi, A., Accountancy
Bionda, G., Study of Commodities
Borlandi, F., Economic History
Brusa, A., Economic Geography
D'Alauro, O., Political Economy and Finance
Scotto, A., Financial Science and Financial Law
Sotgia, S., Commercial Law
Trimarchi, P., Private Civil Law
Vacca, S., Industrial and Commercial Methods

Faculty of Letters and Philosophy:
Accolti Gil Vitale, Nicola, German Language and Literature
Antonelli, Maria T., History of Philosophy
Bulferetti, L., Modern History
Crippa, R., Moral Philosophy
Della Corte, F., Latin Literature
De Regibus, L., Roman History and Exercises in Epigraphy
Mingazzini, P., Archæology and History of Greek and Roman Art
Neppi Modona, A., Greek and Roman Antiquity
Obertello, A., English Language and Literature
Pernicone, V., Italian Literature
Pistarino, G., Palæography and Diplomatics
Scarin, E., Geography
Sciacca, M. F., Theoretical Philosophy
Turola, E., Greek Literature

Faculty of Medicine and Surgery:
Antognetti, L., Clinical Medicine
Baccaredda Boy, A., Dermato-syphilology
Battezzati, M., Specialised Pathological Surgery
Besta, B., Clinical Phthisis

Bonsignore, A., Biochemistry
Briasco, G., Clinical Dentistry
Bulgarelli, R., Pediatrics
Dalla Volta, Z., Psychology
De Biasi, E., Clinical Obstetrics and Gynæcology
De Toni, G., Clinical Pediatrics
Fazio, C., Nervous and Mental Diseases
Fieschi, Aminta, Specialised Pathology and Clinical Methodology
Franchini, A., Forensic and Insurance Medicine
Giampalmo, A., Anatomy and Pathological History
Giuntini, L., Clinical Orthopædics
Grignolo, A. Ophthalmology
Malan, E., General Clinical Surgery
Michelazzi, L., General Pathology
Molfino, F., Occupational Therapy
Orestano, G., Pharmacology
Pallestrini, E., Clinical Oto-Rhino-Laryngology
Perria, L., Neurosurgery
Petrilli, F., Hygiene
Romanzi, C., Microbiology
Rossi-Derubeis, F., Normal Anatomy
Scopinaro, D., Medical Semeiotics
Tolentino, P., Infectious Diseases
Vallebona, A., Radiology
Zummo, C., Human Physiology

Faculty of Mathematics, Physics and Natural Science:
Boato, G., Physics of Solid State
Borsellino, A., Theoretical Physics
Bossolasco, M., Geodesy
Cecconi, J., Mathematical Analysis
Conti, S., Geology
Darbo, G., Mathematical Analysis
Diambrini-Palazzi, G., General Physics
Gagliardo, E., Mathematical Analysis
Gallarati, D., Geometry
Gamba, A., Higher Physics
Gherardelli, F., Geometry
Iandelli, A., Physical Chemistry
Leandri, G., Organic Chemistry
Malvano, R., General Physics
Martini, V., General Physiology
Mazza, L., General Chemistry
Morpurgo, G., Structure of Matter
Pichi Sermolli, R., Botany
Pucci, C., Mathematical Analysis
Remotti, E., Comparative Anatomy
Rossi, C., Industrial Chemistry
Sanero, E., Mineralogy
Scortecci, G., Zoology

Faculty of Pharmacy:
Gandini, A., Pharmaceutical Chemistry and Toxicology

Faculty of Engineering:
Astuni, E., Electrotechnics
Baldadci, R., Strength of Materials and Theory of Construction
Bianchedi, R., Technics and Economy of Transports
Bonino, G. B., Applied Chemistry
Cagnoli, C., Merchant Ship Construction
Capocaccia, A., Machine Construction
Danese, G., Industrial Plant
Di Bella, A., Naval Architecture
Faggiani, D., Applied Physics
Fuselli, E., Town Planning
Marchi, E., Hydraulics
Marenesi, L., Electro-Magnetic Fields
Scortecci, A., Siderurgy
Storghi, E., Rational Mechanics
Trevissoi, C., Principles of Mechanical Engineering
Vocca, O., Machines
Volta, E., Electrical Measures

UNIVERSITÀ DEGLI STUDI DI MACERATA

PIAZZA DELLA LIBERTÀ, MACERATA

Telephone: 2582.

Founded 1290.

Rector: Prof. G. Lavaggi.
Secretary: Dott. R. Valchi.
Librarian: Prof. V. S. Vigorita.

Number of teachers: 21, including 11 professors.

Number of students: 688.

Publication: *Annali.*

Professors:

Faculty of Jurisprudence:
Franchi, G., Civil Law
Grossi, P., History of Italian Law
Lavaggi, G., Institutions of Roman Law
Longo, G., Roman Law
Massa, C., Penal Procedure
Miele, M., International Law
Molari, A., Penal Law
Pettiti, D., Industrial Law
Puccini, C., Legal Medicine
Simi, V., Labour Law
Spagnuolo Vigorita, V., Administrative Law

UNIVERSITÀ DEGLI STUDI

VIA TOMMASO CANNIZZARO, MESSINA

Telephone: 218846-8.

Founded 1548.

Rector: Prof. S. Pugliatti.
Administrative Director: R. Capunzo.

Number of teachers: 73, including 68 professors.

Number of students: 10,712.

Deans:

Faculty of Jurisprudence: Prof. A. Falzea.
Faculty of Letters and Philosophy: Prof. A. Attisani.
Faculty of Education: Prof. G. Della Volpe.
Faculty of Medicine and Surgery: Prof. L. Carmona.
Faculty of Science and Mathematics: Prof. F. Basile.
Faculty of Pharmacy: Prof. F. Monforte.
Faculty of Veterinary Medicine: Prof. G. Passantino.
Faculty of Economics and Commerce: Prof. V. M. Trimarchi.

Professors:

Faculty of Jurisprudence:
De Stefano, R., Theory of the State
Falzea, A., Institutions of Private Law
Germani, P., Agrarian Law
Graziani, E., Ecclesiastical Law
Mertines, T., Regional Public Law
Nigro, M., Institutions of Public Law
Paresce, E., Philosophy of Law
Pugliatti, S., Civil Law
Robbe, U., Roman Law
Silvestri, V., Administrative Law
Spasiano, E., Navigation Law

Faculty of Letters and Philosophy:
Attisani, A., Moral Philosophy
Bianchi, U., History of Religion
Parlangeli, O., Glottology
Sordi, Marta, Roman History

Faculty of Education:
Branciforti, F., Roman Philology
Catalfamo, G., Pedagogy
Della Volpe, G., History of Philosophy
De Caprariis, V., History of Political Theory
Mazzarino, A., Latin Language and Literature
Pecora, A., Geography

Faculty of Medicine and Surgery:
Barbera, S., Clinical Oto-Rhino-Laryngology
Barberi, S., Clinical Pediatrics
Barresi, G., Special Surgical Pathology
Battaglia, F., Anatomy and Pathological Histology
Cannavo, L., Infectious and Tropical Diseases
Carmona, L., General Clinical Surgery
De Blasi, R., Hygiene
Ferrara, A., Theoretical and Diagnostic Pathological Histology
Ferlazzo, A., Pediatrics
Livrea, G., Human Physiology
Motta, G., Clinical Obstetrics
Nunziante, C. A., Industrial Medicine
Pisacane, C., Clinical Dermosyphilology
Pisani, D., Nervous and Mental Diseases
Romeo, F., Clinical Medicine
Scaffidi, V., Specialised Pathology and Clinical Methodology
Scullica, F., Ophthalmology
Siracusa, V., Forensic Medicine and Insurance
Teti, Microbiology

Faculty of Science and Mathematics:
Alibrandi, A., General Physiology
Basile, F., Drawing
Bolognari, A., Histology and Embryology
Calapso, R., Analytical Geometry
Chiarotti, G., Higher Physics
Dulzetto, F., Zoology
Honsel, E., Botany
Lampariello, G., Rational Mechanics
Montalenti, G., Solid State Physics
Pierruccini, R., Mineralogy
Ricca, B., General Chemistry
Stagno, G., Organic Chemistry

Faculty of Pharmacy:
Imbesi, A., Pharmacognosis
Monforte, F., Pharmaceutical Chemistry

Faculty of Veterinary Medicine:
Ajello, P., Obstetrics and Gynæcology
Bronzetti, P., Anatomy of Domestic Animals
D'Agostino, A., Physiology and Biochemistry
Di Domizio, G., Pathology
Passantino, G., Anatomy of Domestic Animals
Romagnoli, A., Pathology and Clinical Medicine

Faculty of Economics and Commerce:
Bentivoglia, L., International Law
Cusimano, G., Statistics
Pagnano, S., General and Applied Accountancy
Panuccis, V., Commercial Law
Parrillo, F., Political and Economic Finance
Trimarchi, V. M., Institutions of Private Law

UNIVERSITÀ DEGLI STUDI

VIA FESTA DEL PERDONO 7, MILAN

Telephone: 864341-861751-874613.

Founded 1923.

Rector: Prof. C. M. Cattabeni.
Director: Dott. M. Luzi.

Librarian: Dott. GIULIANA SAPORI.

Number of teachers: 123 professors.
Number of students: 9,900.
Publications: *Acme* (quarterly), *Annuario* (annual), *Studie Communicazioni* (annual), publications of the Faculties of Jurisprudence, Letters and Philosophy, and Agriculture.

DEANS:

Faculty of Law: Prof. G. SCHERILLO.
Faculty of Letters and Philosophy: Prof. A. VISCARDI.
Faculty of Medicine and Surgery: Prof. A. CROSTI.
Faculty of Sciences: Prof. G. SCHIAVINATO.
Faculty of Agriculture: Prof. E. BALDACCI.
Faculty of Veterinary Medicine: Prof. L. LEINATI.

PROFESSORS:

Faculty of Law:
AMORTH, A., Administrative Law
BISCARDI, A., Roman Law Institutions
BISCARETTI DI RUFFIA, P., Constitutional Law
DELITALA, G., Penal Law
DOMINEDO, V., Political Economy
FENIZIO, F. DI., Science of Finance and Financial Law
FRANCESCHELLI, R., Commercial Law
GIULIANO, M., International Private and Procedural Law
GRASSETTI, C., Civil Law
LENTI, L., Statistics
LIEBMAN, E. T., Civil Procedural Law
MAGNI, C., Ecclesiastical Law
NUVOLONE, P., Penal Law
PISAPIA, D., Procedural Penal Law
ROTONDI, M., Institutions of Private Law
SCHERILLO, G., Roman Law
TREVES, R. S., Philosophy of Law
VISMARA, G., History of Italian Law
ZICCARDI, P., International Law

Faculty of Letters and Philosophy:
BERENGO, M., Modern History
BRIZIO, A. M., History of Medieval and Modern Art
CANTARELLA, R., Greek Literature
CAZZANIGA, I., Latin Literature
DAL PRA, M., History of Philosophy
DE MARCO, V., Greek and Latin Grammar
DEL MONTE, A., Spanish Language and Literature
DENARDIS, L., French Language and Literature
FUBINI, M., Italian Literature
GAMBI, L., Geography
GEYMONAT, L., Philosophy of Science
LEVI, M. A., Roman History and Epigraphy
LOMBARDO, A., English Language and Literature
MARTINI, G., Medieval History
MERIGGI, B., Slavonic Philology
MUSATTI, C., Psychology
PACI, E., Theoretical Philosophy
PISANI, V., Glottology
SCOVAZZI, M., German Philology
UNTERSTEINER, M., History of Early Philosophy
VISCARDI, A., Romance Philology
VITALE, M., History of the Italian Language

Faculty of Medicine and Surgery:
BAIRATI, A., Normal Human Anatomy
CARNEVALE-RICCI, F. A., Oto-Rhino-Laryngology
CATTABENI, C. M., Forensic Medicine and Insurance
CAZZULLO, C. L., Clinical Psychiatry
CESA BIANCHI, M., Psychology
CIARANFI, E., General Pathology
CROSTI, A., Dermatology and Syphilology
DADDI, G., Phthisiology
DEOTTO, R., Microbiology
GASTALDI, E., Nervous and Mental Diseases
GIORDANO, A., Pathological Anatomy and Histology
GIOVANARDI, A., Hygiene
GUALTIEROTTI, T., Human Physiology
HOFFER, O., Odontology
MALAN, E., Surgical Pathology
MARGARIA, R., Physiology
MASPES, P. E., Neuro-Surgery
MELLI, G., Specialised Pathology and Clinical Methodology
MIGLIAVACCA, A., Obstetrics and Gynæcology
ORZALESI, F., Ophthalmology
PERNIS, B., Psychotechnics
PERUSSIA, A., Nuclear Medicine
PISANI, L., Urology
POLI, A., Clinical Orthopædics
POLLI, E., Medical Semeiotics
RATTI, A., Radiology
SANVENERO, R. G., Plastic Surgery
TIENE, E., Clinical Pediatrics
TRABUCCHI, E., Pharmacology
TRIVELLINI, C. O., Clinical Surgery
VIGLIANI, E., Industrial Medicine
VILLA, L., Clinical Medicine
ZAMBOTTI, V., Biological Chemistry

Faculty of Sciences:
BARIGOZZI, C., Genetics
BIANCHI, G., Electric Chemistry
CALDIROLA, P., Theoretical Physics
CANONICA, L., Organic Chemistry
CAPRARO, V., General Physiology
DESIO, A., Geology
DICOBERTALDO, D., Deposits of Ores
FACCHINI, U., General Physics
FUSCO, R., Industrial Chemistry
GEROLA, F., Botany
LEONE, V. G., Experimental Embryology and Morphology
MALATESTA, L., General and Inorganic Chemistry
MANARA, C. F., Geometry
MARCHIONNA TIBILETTI, C., Algebra
MARRÈ, E., Vegetal Physiology
MARTINIS, B., Geology
OCCHIALINI, G., Higher Physics
OCCHIALINI DILWORTH, C., Radioactivity
RANZI, S., Zoology
RICCI, G., Mathematical Analysis
RONCHETTI ROSSI, C., Palæontology
SCATTURIN, V., General and Inorganic Chemistry
SCHIAVINATO, G., Mineralogy
SIMONETTA, M., Physical Chemistry
TAGLIAFERRI, G., Structure of Matter
TONZIG, S., Botany
ZAGAR, F., Astronomy

Faculty of Agriculture:
ANTONIANI, C., Agricultural Chemistry
ARNAUDI, C., Agrarian and Technical Microbiology
BALDACCI, E., Plant Pathology
BONADONNA, T., General Zootechnics
CORBELLINI, A., Organic Chemistry
CRESCINI, F., General Agronomy and Grass Crops
DOTTI, F. Forestry
FABRIS, A., Rural Industries
MARTELLI, M., Agricultural Entomology
PAGANI, A., Agrarian Economy and Politics
ROMITA, P. L., Agricultural Hydraulics
TRECCANI DEGLI ALFIERI, V., Soil Microbiology
USUELLI F., Anatomy and Physiology

Faculty of Veterinary Medicine:
ADDIS, M., Obstetrics and Gynæcology
BAGLIONI, T., Physiopathology
BIANCHI, C., Forensic Veterinary Medicine
CORSICO, G., Animal Foodstuffs Technical Preservation
GIOLITTI, G., Animal Foodstuffs
LEINATI, L., General Pathology and Pathological Anatomy
MARTINI, E., Physiology, Biological Chemistry
ROGNONI, G., General Zootechnics
SEREN, E., Specialised Pathology and Clinical Medicine

UNIVERSITÀ DEGLI STUDI

VIA UNIVERSITÀ 4, MODENA
Telephone: 39096-7-8.
Founded 1175.

Rector: Prof. G. GALLI.
Administrator: Dott. A. FANTAZZINI.
Registrar: L. SABELLI.

Number of teachers: 149 professors.
Number of students: 2,863.
Publication: *Bollettino* (annual).

DEANS:

Faculty of Jurisprudence: Prof. L. SPINELLI.
Faculty of Medicine and Surgery: Prof. M. COPPO.
Faculty of Mathematics, Physics and Natural Sciences: Prof. G. PEYRONEL.
Faculty of Pharmacy: Prof. G. NEGODI.

PROFESSORS:

Faculty of Jurisprudence:
AMBROSETTI, G., Philosophy of Law
BUSSI, E., History of Italian Law
CANDIAN, A., Penal Procedure
COTTINO, G., Commercial Law
FERRI, L., Civil Law
MALINVERNI, A., Penal Law
MINOLI, E., Civil Procedure
PREDETTI, A., Political Economy
SPINELLI, L., Canonical Law
VIGNOCCHI, G., Administrative Law

Faculty of Medicine and Surgery:
ACANFORA, G., Infectious and Tropical Diseases
BORIANI, A., Pharmacology
BUFFA, P., General Pathology
CAVALLINI, D., Biochemistry
COPPO, M., Clinical Medicine
CRISTINI, G., Clinical Optics
FRACHE, G., Forensic and Insurance Medicine
GALLI, G., Chemical Surgery
GHIGI, C., Normal Anatomy
LENZI, M., Radiology
MACCIOTTA, M., Clinical Obstetrics and Gynæcology
OLIVO, R., Hygiene
PACHIOLI, R., Clinical Pædiatrics
PEZZUOLI, G., Clinical Surgery
PROVVISIONATO, A., Clinical Odontology
REMAGGI, P. L., Clinical Oto-Rhino-Laryngology
ROSSINI, R., Nervous and Mental Disorders
SAVIANO, M., Human Physiology
STORTI, E., Special Medical Pathology

Faculty of Mathematics, Physics and Natural Sciences:
BACCI, G., Zoology
BAFFONI, G., Comparative Anatomy
BAIADA, E., Mathematical Analysis
CHIORBOLI, P., Physical Chemistry
COGNETTI, G., Zoology
GALLITELLI, P., Mineralogy

GALLITELLI MONTANARO, EUGENIA, Palæontology
GOTTARDI, C., Mineralogy
LOSACCO, U., Geology
LOVERA, G., Higher Physics
MONTANARI, F., Organic Chemistry
NARDINI, R., Rational Mechanics
NEGODI, G., Botany
PEYRONEL, G., General and Inorganic Chemistry
PIERUCCI, M., Experimental Physics
VAONA, G., Analytical Geometry

Faculty of Pharmacy:
RAFFA, LINA, Chemical Pharmaceutics

UNIVERSITÀ DEGLI STUDI

CORSO UMBERTO I, NAPLES

Telephone: 32.33.57.

Founded 1224.

Rector: Prof. G. TESAURO.
Administrative Director: Dott. G. IORIO.

Number of teachers: 153 professors.
Number of students: 24,473 men, 6,329 women, total 30,802.

DEANS:

Faculty of Jurisprudence: Prof. A. NAVARRA.
Faculty of Economics and Commerce: Prof. L. LORDI.
Faculty of Letters and Philosophy: Prof. V. DE FALCO.
Faculty of Medicine and Surgery: Prof. P. VERGA.
Faculty of Science: Prof. C. MIRANDO.
Faculty of Pharmacy: Prof. M. COVELLO.
Faculty of Engineering: Prof. L. TOCCHETTI.
Faculty of Architecture: Prof. F. JOSSA.
Faculty of Agriculture: Prof. C. SANTINI.
Faculty of Veterinary Medicine: Prof. G. VATTI.

PROFESSORS:

Faculty of Jurisprudence:
BONIFACIO, P., Roman Public Law
CARIOTA FERRARA, L., Civil Law
COVIELLO, L., Private Law
DELL'ANDRO, R., Institutions of Penal Law
DE LUCA, M., Political Economy
DE MARTINO, F., History of Roman Law
GIORGIANNI, M., Private Law
GUARINO, A., Institutions of Roman Law
IACCARINO, C. M., Administrative Law
LAURIA, M., Roman Law
LEFEBVRE D'OVIDIO, A., Navigation Law
NAVARRA, A., Labour Laws
PANNAIN, R., Penal Law
PARADISI, B., History of Italian Law
PETRONCELLI, M., Ecclesiastical Law
QUADRI, R., International Law
SABATINI, G., Penal Procedure
TESAURO, A., Constitutional Law
VOCINO, C., Civil Procedural Law

Faculty of Economics and Commerce:
AMODEO, D., General and Applied Accountancy
CILIBERTO, C., General Mathematics
CUOMO, G., Institutions of Public Law
DE MARCO, D., Economic History
FABRIZI, C., Industrial and Commercial Methods
GANGEMI, R., Financial Law and Science
LASORSA, G., Statistics
LORDI, L., Financial Mathematics
MINERVINI, G., Commercial Law
PALOMBA, G., Political Economy
SASSI, S., Banking and Professional Techniques
TEDESCHI, B., Financial Mathematics

Faculty of Letters and Philosophy:
ACCAME, S., Greek and Roman History
ALESSIO, G., Glottology
ARNALDI, F., Latin Literature
BARBIERI, G., Greek and Roman Antiquities
BATTAGLIA, S., Romance Philology
BREZZI, P., History of Christianity
CARBONARA, C., History of Philosophy
CHINOL, E., English Language and Literature
CORTESE, N., History of the "Risorgimento"
DE FALCO, V., Greek Literature
MARIANI, V., History of Medieval and Modern Art
MARTANO, G., History of Ancient Philosophy
MIGLIORINI, E., Geography
MOTZO DENTICE D'ACCADIA, CECILIA, Pedagogy
MUSTILLI, D., Classical History and Archæology
PAOLI, R., German Language and Literature
PETRUZZELLIS, N., Theoretical Philosophy
PONTIERI, E., Medieval and Modern History
SBORDONE, F., Greek and Latin Grammar

Faculty of Medicine:
AURICCHIO, L., Clinical Pediatrics
BERGAMI, G., Human Physiology
BORGHESE, E., Topographic Anatomy
BOSSA, G., Clinical Medicine and Medical Therapy
CACCURI, S., Industrial Medicine
CALIFANO, L., General Pathology
CEDRANGOLO, F., Biochemistry
CERUTTI, P., Clinical Dermato-Syphilopathy
CIADRI-DUPRE, G., Normal Human Anatomy
CUTINELLI, CARMINE, Microbiology
DE FRANCISCIS, P., Human Physiology
DE RITIS, F., Infectious and Tropical Diseases
DONATELLI, L., Pharmacology
GIARDINO, G., Clinical Odontology
LANZARA, A., Pathology; Clinical Propædeutics
LONGO, V., Clinical Nervous and Mental Diseases
MAGRASSI, F., Specialised Pathology and Clinical Methodology
MONALDI, V., Phthisiology
MURANO, G., Puericulture
MUSCETTOLA, G., Radiology
PALMIERI, V. M., Forensic Medicine
PONTONI, L., Semeiology
RUGGIERI, E., Clinical Surgery
SANTONI, A., Clinical Ophthalmology
TESAURO, G., Clinical Obstetrics and Gynæcology
TIZZANO, A., Hygiene
VERGA, P., Pathological Anatomy and Histology
ZANNINI, G., Surgical Semeiology

Faculty of Science:
CAFIERO, F., Mathematical Analysis
CAIANIELLO, E., Theoretical Physics
CARRELLI, A., Experimental Physics
CORRADINI, P., General and Inorganic Chemistry
CORTINI, G., Advanced Physics
DALLA VOLTA, V., Geometry
DE LERMA, B., General Biology
FRANCHETTA, A., Analytical, Projective and Descriptive Geometry, Drawing
GALGANO, M., Histology and Embryology
GIACOMINI, V., Botany
GRECO, D., Institutions of Superior Analysis
IMBO, G., Terrestrial Physics
LIBERTI, A., Analytical Chemistry
LIQUORI, A., Chemical Physics
MACCAGNO, M., Palæontology
MEROLA, A., Vegetal Physiology
MIRANDO, C., Mathematics
NICOLAS, R. A., Organic Chemistry
NICOLINI, T., Astronomy
ORRU, ANTONIETTA, General Physiology
PANCINI, E., General Physics
QUERZOLI, R., Structure of Matter
SALFI, M., Zoology
SCARSELLA, F., Geology
SCHERILLO, A., Mineralogy
STOPPELLI, F., Superior Mechanics
TOLOTTI, C., Rational Mechanics and Graphic Statics

Faculty of Pharmacy:
COVELLO, M., Pharmaceutical Chemistry and Toxicology

Faculty of Engineering:
ASTA, A., Electrical Installations
AVOLIO DE MARTINO, G., Water Mains and Sewers
BREGLIA, R., Marine Engineering
CARLEVARO, E., Technical Physics
CROCE, A., Foundations and Construction Techniques
D'AMELIO, L., Machinery
FRANCIOSI, V., Science of Construction
GIANGRECO, E., Construction
MALQUORI, G., Industrial Chemistry
MANNA, F., Construction of Machines
MAZZOLENI, F., Specialised Technology
NAPOLITANO, L., Aerodynamics
PISTILLI, G., Hydraulic Constructions
POLESE, A., Techiques and Economics of Transportation
RAITHEL, A., Construction of Bridges
RUSSO SPENA, A., Hydraulics
SPINELLI, F., Merchant Ship Construction
TADDEI, M., Applied Mechanics
TOCCHETTI, L., Road and Railway Building
VIPARELLI, M., Hydraulics
VITERBO, F., Naval Architecture

Faculty of Architecture:
CANINO, M., Architectural Composition
CHIAROMONTE, F., Elements of Construction
COCCHIA, C., Elements of Composition
DE LUCA, G., Elements of Architecture and Design of Monuments
JOSSA, F., Science of Construction
PANE, R., Style and Construction of Monuments
SPEZIALE FILO, STEFANIA, Building Design

Faculty of Agriculture:
ANGELINI, F., General Agronomy and Grass Crops
BETTINI, T. M., Zootechnics
BOTTINI, O., Rural Industries
CASELLA, D., Arboriculture
CRISTINZIO, M., Plant Pathology
LA ROTONDA, C., Agricultural Chemistry
PLATZER, F., Agricultural Estimation and Accountancy
ROSSI DORIA, N., Agricultural Economics and Politics
RUSSO, G., Agrarian Entomology
SANTINI, C., Agricultural Mechanics

Faculty of Veterinary Medicine:
BONADUCE, A., Microbiology and Immunology
DE GIROLAMO, A., Anatomy of Domestic Animals, Histology and Embryology
DI MARTINO, M., Pathology and Clinical Medicine
FERRARA, B., General Zootechniques

MARCATO, A., Pathology and Pathological Anatomy
MONTEMAGNO, F., Pathology and Clinical Medicine
VATTI, G., Pathology and Clinical Surgery

UNIVERSITÀ DEGLI STUDI

VIA VIII FEBBRAIO 9, PADUA

Telephone: 20400.

Founded 1222.

Rector: Prof. Ing. G. FERRO.
Secretary: Dott. P. G. F. COLABICH.
Librarian: Dott. ANGELA ZANINI.

Number of teachers: 889, including 116 professors.

Number of students: 15,817.

DEANS:

Faculty of Jurisprudence: Prof. P. VOCI.
Faculty of Political Science: E. ANCHIERI.
Faculty of Economics and Commerce: Prof. L. CARRARO.
Faculty of Philosophy and Letters: Prof. C. TAGLIAVINI.
Faculty of Education: Prof. G. F. D'ARCAIS.
Faculty of Medicine and Surgery: Prof. L. BUCCIANTE.
Faculty of Science: Prof. A. ROSTAGNI.
Faculty of Pharmacy: Prof. L. MUSAIO.
Faculty of Engineering: Prof. B. DEL NUNZIO.
Faculty of Agriculture: Prof. A. SERVADEI.

PROFESSORS:

Faculty of Jurisprudence:
ARANGIO-RUIZ, G., International Law
ATTARDI, A., Civil Law Procedure
BAGIOTTI, T., Political Economy
BETTIOL, G., Penal Law
BURDESE, A., Principles of Roman Law
CARRARO, L., Principles of Private Law
GUICCIARDI, E., Administrative Law
MOR, C. G., History of Italian Law
OPOCHER, R., Philosophy of Law
ROSSI, L., Political Economy
SARACENI, G., Ecclesiastical Law
TRABUCCHI, A., Civil Law
VOCI, P., Roman Law
ZUCCALA, G., Penal Law

Faculty of Philosophy and Letters:
BALMAS, E., French Language and Literature
BETTINI, S., History of Medieval Art
BRANCA, V., Italian Literature
CRONIA, A., Serbo-Croatian Language and Literature
DIANO, C., Greek Literature
FERRARINO, P., Latin Literature
FOLENA, G., History of the Italian Language
GENTILE, M., Theoretical Philosophy
GUIDI, A., English Language and Literature
MORANDINI, G., Geography
PADOVANI, U., Moral Philosophy
PALUCCHINI, R., History of Modern Art
POLACCO, L., Archæology and History of Greek and Roman Art
RIONDATO, E., History of Ancient Philosophy
SAMBIN, P., Palæography and Diplomatics
SARTORI, F., Greek History
TAGLIAVINI, C., Glottology
VECCHI, A., History of Christianity

Faculty of Political Science:
ANCHIERI, E., History of International Political Treaties
DE ROSA, G., Contemporary History
LA PERGOLA, A., American Public Law
LUCATELLO, G., Constitutional and Comparative Law
SIOMNETTE, E., Private Law
UGGÈ, A., Statistics

Faculty of Medicine and Surgery:
ALOISI, M., General Pathology
ARSLAN, M., Clinical Oto-Rhino-Laryngology
AUSTONI, M., Semeiology
BELLONI, G. B., Nervous and Mental Diseases
BENTIVOGLIO, G., Clinical Pediatrics
BUCCIANTE, L., Normal Human Anatomy
CASUCCIO, C., Clinical Orthopædics
CEVESE, P. G., Surgical Pathology
CREPET, M., Industrial Medicine
DALLA VOLTA, A., Clinical Medicine and Therapy
FIASCHI, E., Medical Pathology and Clinical Methodology
FLARER, F., Clinical Dermatology
FRUGONI, P., Neurosurgery
LENARDUZZI, G., Radiology
PATRISSI, G., General Clinical Medicine and Medical Therapy
PETTINARI, V., Clinical Surgery
RASO, M., Pathological Anatomy and Histology
SANTI, R., Pharmacology
SANTONASTASO, A., Clinical Ophthalmology
SILIPRANDI, N., Biological Chemistry
STELLA, G., Human Physiology
VECCHIETTI, G., Clinical Obstetrics and Gynæcology
VENDRAMINI, R., Hygiene

Faculty of Science:
BALDASSARRI, M., Analytical, Projective and Descriptive Geometry
BATTAGLIA, B., Hydrobiology and Pisciculture
BIANCHI, A., Mineralogy
CALIFANO, S., Molecular Spectroscopy
CAPPELLETTI, C., Botany
CEOLIN, MASSIMILIIA, General Physics
CROATTO, U., General and Inorganic Chemistry
DALLAPORTA, N., Theoretical Physics
DAL PIAZ, G. B., Geology
GIACOMETTI, G., Theoretical Chemistry
GRIOLI, G., Rational Mechanics, Statics and Design
MEZZETTI, L., Experimental Physics
MORIN, U., Analytical Geometry, with Elements of Projective and Descriptive Geometry
RICCOBONI, L., Analytical Chemistry
ROSINO, LEONIDA, Astronomy
ROSTAGNI, A., General Physics
SABBADIN, A., Comparative Anatomy
TURCO, A., General Chemistry
VILLI, C., Nuclear Physics
ZACHER, G., Algebra
ZANETTIN, B., Petrography
ZWIRNER, G., Mathematical Analysis and Infinitesimal Algebra

Faculty of Pharmacy:
MUSAIO, L., Pharmaceutical and Toxicological Chemistry
RODIGHIERO, G., Applied Pharmaceutical Chemistry

Faculty of Engineering:
BONVICINI, D., Science of Construction
COLOMBO, G., Mechanics of Vibration
CREPAZ, E., Industrial Chemistry
DALL'AGLIO, B., Building Science
DEL NUNZIO, B., Technical Physics
DI PIERI, C., Electrical Construction
FABBRI COLABICH, G., Road and Railway Construction
FERRO, G., Maritime Construction
FRANCINI, G., Applied Electronics
GHETTI, A., Hydraulics
IURZOLLA, E., Construction of Machines
LEVI, L., Architecture and Architectural Composition
MARZOLO, F., Hydraulic Construction
MATTAROLO, F., Applied Thermo-dynamics
MEDICI, M., Machinery
SANDONNINI, P. P., Technique and Economics of Transport
SCIPIONI, A., Applied Chemistry
SOMEDA, G., Electrotechnics
SORGATO, I., Chemical Apparatus
TONINI, D., Hydrography and Hydrology
ZINGALES, G., Electrical Measures

Faculty of Education:
FLORES D'ARCAIS, G., Pedagogy
GIACON, C., History of Philosophy
METELLI, F., Psychology
PETTER, G., Psychology of Development
TRAINA, A., Latin Language

Faculty of Agriculture:
BONSEMBIANTE, M., Special Zootechnics
CULTRERA, R., Agricultural Chemistry
GHILLINI, C. A., Plant Pathology
MANFREDI, E., Farming Mechanics with Relation to Design
PASSERINI GLAZEL, O., Agricultural Economics and Politics
SERVADEI, A., Agricultural Entomology
SUSMEL, L., Silviculture
TONIOLO, L., Plant Genetics
VANZETTI, C., Farming Valuation and Accountancy

UNIVERSITÀ DEGLI STUDI

VIA MAQUEDA, PALERMO

Telephone: 35.6.51.

Founded 1777.

Rector: Prof. M. GERBASI.
Administrative Director: Dott. G. CAPPARELLI.

Number of full professors: 56.

Number of students: 8,323 men, 2,092 women, total 10,415.

Publications: *Annali del Seminario Giuridico, Circolo Giuridico L. Sampolo, Annali della Facoltà di Economia e Commercio.*

DEANS:

Faculty of Jurisprudence: Prof. G. SCADUTO.
Faculty of Economics and Commerce: Prof. S. VIANELLI.
Faculty of Letters and Philosophy: Prof. G. COCCHIARA.
Faculty of Medicine and Surgery: Prof. G. D. ALESSANDRO.
Faculty of Science: Prof. A. MONROY.
Faculty of Pharmacy: Prof. F. BRUNO.
Faculty of Engineering: Prof. M. RUBINO.
Faculty of Agriculture: Prof. R. ROSSINI.
Faculty of Architecture: Prof. V. ZIINO.

PROFESSORS:

Faculty of Jurisprudence:
ALBENESE, B., History of Roman Law
ARENA, A., Institutions of Private Law

CATINELLA, S., Italian Constitution and Comparative Law
GIARDINA, C., History of Italian Law
LIPARI, F., Civil Law Procedure
MARRONE, M., Roman Law
MONTALBANO, G., Penal Procedure
MUSOTTO, G., Penal Law
ORLANDO, S., Institutions of Private Law
SCADUTO, G., Civil Law
SINAGRA, V., Labour Law
VIRGA, P., Administrative Law
ZANCLA, P., International Law

Faculty of Economics and Commerce:
ARCURI, L., Economic Geography
LA LOGGIA, G., Labour Law
MORSELLI, E., Science of Finance and Financial Law
RESTIVO, F., Institutions of Public Law
VIANELLI, S., Statistics
ZERBI, T., General and Applied Accountancy

Faculty of Letters and Philosophy:
ADRIANI, A., Archæology and History of Greek and Roman Art
ALFONSI, L., Latin Literature
ARGAN, G. C., History of Medieval and Modern Art
CANZIANI, P., Psychology
CARAMELLA, S., Theoretical Philosophy
COCCHIARA, G., Folk Literature
GIUNTA, F., Medieval History
LANDINI, P., Geography
LAVAGNINI, B., Greek Literature
MANNI, E., Greek and Roman History, Roman Epigraphy
MORELLI, E., History of the "Risorgimento"
RIZZITANO, U., Arabic Language and Literature
ROGNONI, L., History of Music
SANTINI, E., Italian Literature
TITONE, P. L. V., Modern History
TROMBATORE, G., Italian Literature
VALENTINI, G., Albanian Language and Literature

Faculty of Medicine and Surgery:
BENIGNO, P., Pharmacology
BORGHESAN, E., Clinical Oto-Rhino-Laryngology
BOSCO, I., Clinical Dermatosyphilopathy
BRUNO, G., Anatomy
CACIOPPO, F., Biological Chemistry
CASELLI, P., General Pathology
CIGNOLINI, P., Radiology
D'ALESSANDRO, G., Hygiene
DEL CARPIO, I., Forensic and Insurance Medicine
FICI, V., Phthisiology
FRADÀ, G., Industrial Medicine
GATTO, I., Puericulture
GUCCIONE, F., Pathological Anatomy and Histology
LATTERI, F. S., General Clinical Surgery
MARCHESI, F., Obstetrics and Gynæcology
NICOLOSI, G., Surgical Pathology and Clinical Propædeutics
PAVONE, M., Clinical Urology
RUBINO, ALFIO, Clinical Ophthalmics
RUBINO, A., Mental and Nervous Diseases
TEMPESTINI, E., Clinical Odontology
TURCHETTI, A., Special Pathology
ZAGAMI, V., Human Physiology

Faculty of Science:
BAIADA, E., Mathematical Analysis
BELLANCA, A., Mineralogy
BRUNO, F., Botany
CORRENTI, V., Anthropology
CUSMONO, S., Organic Chemistry
GUGINO, E., Rational Mechanics
GULOTTA, B., Geodesy
LOMBARDO, L., Analytical Geometry
MONROY, A., Comparative Anatomy
REVERBERI, G., Zoology
SACCONI, L., General and Inorganic Chemistry
SANTANGELO, M., Experimental Physics

Faculty of Pharmacy:
AIELLO, T., Pharmaceutical and Toxicological Chemistry

Faculty of Engineering:
APRILE, G., Mining Engineering
BARBARO, D., Technical Physics
DE GREGORIO, C., Transport
FALETTI, N., Industrial Electricity
MANZELLA, G., Machine Construction
RUBINO, M., Mechanics
RUSSO SPENA, A., Hydraulics
SAVAGNONE, R., Electrotechnics
SELLERIO, A., Technical Physics
STASSI D'ALIA, F., Special Technology
TORTORICI, P., Topography and Geodesy
ZIINO, V., Technical Architecture

Faculty of Architecture:
CARACCIOLO, E., Town Planning
LEVI, L., Interior Architecture

Faculty of Agriculture:
BARBERA, G., Rural Industries
FLORENZANO, G., Rural Industries
FRISELLA VELLA, G., Principles of Economy and Statistics
PASINETTI, L., Plant Pathology
PLATZER, F., Economics and Agrarian Politics
ROSSINI, R., Agricultural Mechanics
TORTORELLI, NICOLA, General Zootechnics

UNIVERSITÀ DEGLI STUDI

VIA UNIVERSITÀ 12, PARMA

Telephone: 75-27.

Founded 1065.

Rector: Prof. G. VENTURINI.

Director and Secretary: Dott. G. P. USBERTI.

Number of teachers: 61 professors.

Number of students: 5,050 men, 1,491 women, total 6,541.

DEANS:

Faculty of Jurisprudence: Prof. U. GUALAZZINI.
Faculty of Medicine and Surgery: Prof. A. LAURINSICH.
Faculty of Pharmacy: Prof. A. FERRARI.
Faculty of Physical, Mathematical and Natural Sciences: Prof. B. SCHREIBER.
Faculty of Veterinary Medicine: Prof. D. ARTIOLI.
Faculty of Economics and Commerce: Prof. E. LEVI.

PROFESSORS:

Faculty of Jurisprudence:
ANDREOLI, G., Civil Law
BENTIVOGLIO, L. M., International Organisations
CONSOLI, A., Ecclesiastical Law
DONATUTI, G., Roman Law
FALZONE, G., Administrative Law
GHIDINI, M., Commercial Law
GUALAZZINI, U., History of Italian Law
GUARNERI, G., Penal Procedure
PASTORI, F., Roman Law
PROVINCIALI, R., Civil Procedural Law
VENTURINI, G., International Law

Faculty of Medicine and Surgery:
ARDUINI, A., Human Physiology
BIANCHI, C., Medical Semeiology
BLASI, A., Phthisiology
BOBBIO, A., General Clinical Surgery
BOCCHI, K., Clinical Orthopædics
BRAIBANTI, T., Radiology
BUTTURINI, U., Medical Semeiotics
ERSPAMER, V., Pharmacology
GUARESCHI, G., Forensic Medicine
IMPERATO, C., Puericulture
LAURINSICH, A., Clinical Pediatrics
MIGONE, L., Specialised Pathology and Clinical Methodology
MONACI, V., Hygiene
OTTAVIANI, G., Human Anatomy
PORTA, C. F., Clinical Oto-Rhino-Laryngology
RABBI, AL., Chemical Biology
REZZESI, F., General Pathology
SANNA, A., Microbiology
TAMPONI, M., Clinical Dermato-Syphilopathy
VISINTINI, F., Nervous and Mental Diseases

Faculty of Pharmacy:
PONCI, R., Applied Pharmaceutical Chemistry

Faculty of Physical, Mathematical and Natural Sciences:
CAPRIOLI, L., Rational Mechanics
CAVALCA, L., Chemical Structures
DERIU, M., Petrography
FERRARI, A., General and Inorganic Chemistry
GERMAGNOLI, E., General Physics
LONA, F., Botany
MAGNI, G., Genetics
MAMBRIANI, A., Mathematical Analysis
MARRO, F., General Physiology
NARDELLI, M., Structural Chemistry
RUZZI, G., Analytical Geometry
SCHREIBER, B., Zoology
VENZO, S., Geology

Faculty of Veterinary Medicine:
ARTIOLI, D., Inspection of Foodstuffs of Animal Origin
BUIATTI, P. G., General Zoology
FEDRIGO, G., Obstetrics and Gynæcology
GIANELLI, F., Methods of Inspection of Animal Slaughter
SCACCINI, A., Anatomy, Histology and Embryology

Faculty of Economics and Commerce:
AZZINI, L., General and Applied Accountancy
COSTANZO, A., Statistics
DE MADDALENA, A., History of Economics
FEROLDI, F., Political Economy
FERRERO, G., General and Applied Accountancy
GUATRI, L., Marketing Research
LEVI, E., Mathematics of Finance
LORUSSO, E., Banking Technique
SCALFI, G. C., Private Law
SORBI, U., Agricultural Economics

UNIVERSITÀ DEGLI STUDI

CORSO STRADA NUOVA 65, PAVIA

Telephone: 24,716.

Founded 1361 by Emperor Charles IV.

Rector: Prof. M. ROLLA.

Administrative Director: Dott. U. MARCHI.

Curator of the Museum of University History: Prof. A. PENSA.

Number of teachers: 290, including 75 professors.

Number of students: 4,009 men, 1,184 women, total 5,193.

Publications: *Haematologica, Atti dell'Istituto Botanico e Laboratorio Crittogamico della Università, Athenæum, Studi nelle Scienze giuridiche sociali, Rivista di Diritto finanziario e Scienza delle Finanze, Il Politico, Scientia genetica, Genetica agraria, Atti dell' Istituto Geologico, Annuario.*

DEANS:

Faculty of Jurisprudence: Prof. R. SACCO.
Faculty of Political Sciences: Prof. C. E. FERRI.
Faculty of Letters and Philosophy: Prof. E. MALCOVATI.
Faculty of Medicine: Prof. G. FALCHI.
Faculty of Science: Prof. S. CINQUINI.
Faculty of Pharmacy: Prof. P. PRATESI.

PROFESSORS:

Faculty of Jurisprudence:
DE NOVA, R., International Law
DENTI, S. V., Civil Procedural Law
FEDELE, S., Institutions of Private Law
GALEOTTI, S., Constitutional Law
GALLO, F. C., Roman Law
GERELLI, E., Science of Finance and Financial Law
LENTI, L., Political Economy
LOMBARDI, G., History of Roman Law
MAURO, T., Ecclesiastical Law
PEDRAZZI, C., Penal Law
POTOTSCHNIG, U., Administrative Law
SACCO, R., Civil Law
STOLFI, G., Civil Law
VERGA, A., Commercial Law

Faculty of Political Sciences:
BEONIO BROCCHIERI, V., History of Political Theory
CURATO, F., History of Treaties and International Politics
DE VITA, A., Economic Statistics
FERRI, C. E., Political Economy
GIGLIO, C., History and Institutions of Afro-Asiatic Countries
LEONI, B., Theory of the State

Faculty of Letters and Philosophy:
ALFIERI, V. E., History of Philosophy
ARSLAN, J., History of Medieval and Modern Art
BARIGAZZI, A., Greek Literature
BENDISCIOLI, M., Modern History
CANTONI, R., Theoretical Philosophy
CARETTI, L., Italian Literature
D'AGOSTINO, NICOLA, English Language and Literature
MALCOVATI, ENRICA, Latin Literature
MANSUELLI, G. A., Archæology and History of Greek and Roman Art
MERIGGI, P., Glottology
ORTOLANI, M., Geography
PAGIN, B., Palæography and Diplomatics
PELLEGRINI, A., German Language and Literature
SEGRÈ, C., Romance Philology
TIBILETTI, G., Greek and Roman History

Faculty of Medicine:
BERLUCCHI, C., Neuropathology
CAVALLERO, C., Pathological Anatomy
CHECCACCI, L., Hygiene
CHERUBINO, M., Clinical Oto-Rhino-Laryngology
DE CARO, L., Physiology
DONATI, G. S., Special Surgical Pathology
FALCHI, G., Clinical Dermosyphilology
FORNARI, A. A., Legal Medicine
GOIDANICH, I. F., Clinical Orthopædics
INTROZZI, P., Clinical Medicine
LOCATELLI, PIERA, General Pathology
MALAMANI, V., Semeiology
MASCHERPA, P., Pharmacology
MAUGERI, S., Industrial Medicine
MORACCI, E., Obstetrics and Gynæcology
PALUMBI, G., Normal Human Anatomy
PELLEGRINI, G., Special Medical Pathology
RUFFO, A., Chemical Biology
SARTORI, E., Clinical Pediatrics
TINOZZI, F. P., Clinical Surgery

Faculty of Science:
BONI, A., Geology
BUZZATI TRAVERSO, A., Genetics
CASELLA, C., General Physiology
CAVALLI-SFORZA, L., Genetics
CINQUINI CIBRARIO, MARIA, Mathematical Analysis
CINQUINI, S., Mathematical Analysis
GIGLI, A., General Physics
GIULOTTO, L., General Physics
GRÜNANGER, P., Organic Chemistry
LEVI, G. R., General and Inorganic Chemistry
LOINGER, A., Theoretical Physics
MAGENES, E., Complementary Mathematics
MAZZI, F., Mineralogy
ROLLA, M., Physical Chemistry
ROLLIER, M. A., General and Inorganic Chemistry
UDESCHINI, P., Rational Mechanics
VIALLI, M., Comparative Anatomy

Faculty of Pharmacy:
GIALDI, F., Pharmaceutical Chemistry and Toxicology
PRATESI, P., Pharmaceutical Chemistry and Toxicology

UNIVERSITÀ DEGLI STUDI

PIAZZA DELL' UNIVERSITÀ, PERUGIA

Telephone: 24,21.

Founded 1200.

Rector: G. ERMINI.
Administrative Director and Secretary: Dott. A. MEZZASOMA.
Librarian: Dott. L. SCARAMUCCI.

Number of professors: 78.
Number of students: 6,444.

DEANS:

Faculty of Jurisprudence: Prof. G. NOCERA.
Faculty of Letters and Philosophy: Prof. F. UGOLINI.
Faculty of Political Science: Prof. G. MANNELLI.
Faculty of Medicine: Prof. L. SEVERI.
Faculty of Pharmacy: Prof. A. SEPPILLI.
Faculty of Agrarian Science: Prof. P. BROZZETTI.
Faculty of Veterinary Medicine: Prof. E. BARBONI.
Faculty of Natural and Biological Science: Prof. A. GIACOMINI.

PROFESSORS:

Faculty of Jurisprudence:
DE CUPIS, A., Civil Law
DE DOMINICIS, M., History of Roman Law
ERMINI, G., History of Italian Law
FEDELE, P., Ecclesiastical Law
FRÈ, G. C., Commercial Law
GASPARRI, P., Administrative Law
MESSINA, S., Penal Law
NOCERA, G., Institutions of Roman Law
RAVÀ, T., Institutions of Private Law
RUFFINI, E., History of Italian Law
SCARPELLI, U., Phiosophy of Law

Faculty of Letters:
COLONNA, A., Greek Literature
GRABHER, C., Italian Literature
MAGI, F., Archæology and History of Greek and Roman Art
MARTINELLI, V., History of Medieval and Modern Art
PETROCCHI, M., Modern History
PRINI, P., Theoretical Philosophy
SALVATORE, A., Latin Literature
UGOLINI, F., Romance Philology
VITUCCI, G., Roman History

Faculty of Political and Economical Science:
COSTANZO BECCARIA, G. A., History and Institutions of Afro-Asian Countries
CROSARA, A., History of Economic Doctrine
FODERARO, S., Institutions of Public Law
GASPERONI, N., Commercial Law
MANNELLI, G., Retail Trading
MERLANI, G., Industrial and Commercial Technics
MIRA, G., Economic History
NARDUZZI, N., Political and Financial Economy
RENZI, A., Market Research Technics
TAMBORRA, A., History of Treaties, International Politics
VERNA, A., General and Applied Accountancy

Faculty of Medicine and Surgery:
AURICCHIO, G., Clinical Optics
BURGIO, G. R., Clinical Pediatrics
CACCIALANZA MIGLIO, P., Clinical Dermato-Syphilopathy
CIUFFINI, F., General Clinical Surgery
DOMINICI, G., General Clinical Medicine, Medical Therapy
FAMIANI, V., Human Physiology
GIGLI, G., Medical Pathology
GIUNCHI, G., Infectious Diseases
GRILLI, A., Radiology
LARIZZA, P., Clinical Medicine
LUCHERONI, A., Topographical Anatomy
MERLINI, D., General Pathology
OLIVA, G., Semeiology
SEVERI, L., Pathological Anatomy, Histology
SPIRITO, A., General Biology, Zoology
VAGLIO, N., Clinical Obstetrics and Gynæcology

Faculty of Pharmacy:
BELLAVITA, V., Pharmaceutical Practice and Legislation
LEONE, V., Biological Chemistry
SEPPILLI, A., Hygiene

Faculty of Agrarian Science:
BOLLI, M., General Botany
BROZZETTI, P., General Zootechnics
CASTELLI, T., Agricultural Microbiology
GIORGI, G., Rural Estimates and Accountancy
GRIMALDI, A., General Agronomy
JACOBONI, N., Silviculture
LIPPI BONCAMBI, C., Applied Geology
PANELLA, A., General Agronomy and Grass Crops
PETROSINI, G., Agrarian Chemistry
SACCHI, R., Zooculture
SCOTTON, M., Agricultural Mechanics
SEMPIO, C., Plant Pathology
VELATTA, M., Agricultural Hydraulics and Design

Faculty of Veterinary Medicine:
BARBONI, E., General Pathology, Pathological Anatomy
CALISTI, V., Obstetrics and Gynæcology
CASTIGLI, G., Anatomy of Domestic Animals
CILLI, V., Infectious Diseases, Prophylaxis and Inspection
DOZZA, G., Special Pathology and Veterinary Surgery

MORETTI, B., Pathology and Clinical Medicine
ROMANELLI, V., Technical Autopsy
ROWINSKI, P., Physiology, Biochemistry

Faculty of Mathematical, Physical and Natural Science:
BELLUIGI, A., Geophysics and Climatology
BONDI, C., Comparative Anatomy
COCCO, G., Mineralogy
COLOMBO, G., Histology and Embryology
FAVA, A., General and Inorganic Chemistry
FOFFANI, A., Physical Chemistry
GIACOMINI, A., Experimental Physics
MORETTI, G. P., Hydro-Biology and Pisciculture
TRAVERSO, G., Organic Chemistry

UNIVERSITÀ DEGLI STUDI

LUNGARNO PACINOTTI 43, PISA

Telephone: 22.313.

Founded 1343.

Rector: A. FAEDO.
Director: Dr. C. A. PETRAGLIA.

Number of teachers: 121 professors.
Number of students: 11,905.

DEANS:

Faculty of Jurisprudence: Prof. A. MARONGIU.
Faculty of Economics and Commerce: Prof. G. MENEGAZZI.
Faculty of Letters and Philosophy: Prof. E. GABBA.
Faculty of Medicine and Surgery: Prof. E. PUCCINELLI.
Faculty of Mathematical, Physical and Natural Sciences: Prof. L. TREVISAN.
Faculty of Pharmacy: Prof. R. DE FAZI.
Faculty of Engineering: Prof. E. PISTOLESI.
Faculty of Agrarian Science: Prof. R. FAVILLI.
Faculty of Veterinary Medicine: Prof. B. ROMBOLI.

PROFESSORS:

Faculty of Jurisprudence:
CAPACCIOLI, E., Law of Taxation
D'ADDIO, M., History of Politics
DE LOGU, T. T., Penal Law
DE LUCA, L., Ecclesiastical Law
DE MARTINI, A., Commercial Law
FAZZALARI, E., Civil Procedure
FERRARI, G., Constitutional Law
FRANCHINI, F., Administrative Law
GIAMPICCOLO, G., Private Law Institutions
MARONGIU, A., History of Italian Law
NATOLI, U., Civil Law
PALAZZOLO, V., Philosophy of Law
PESENTI, A., Financial Science and Fiscal Law
RIVA SANSEVERINO, LUISA, Industrial Economics
SERRAO, F., Roman Law
SPERDUTI, G., International Law
VERRUCOLI, P., Comparative Private Law

Faculty of Letters and Philosophy:
ARIAS, P. E., Archæology and History of Greco-Roman Art
BARONE, F., Theoretical Philosophy
BIGI, E., Italian Literature
BOLELLI, T., Glottology
GABBA, E., Greek and Roman History
LA PENNA, A., Latin Literature
MARIANELLI, M., German Language and Literature
MASSOLO, A., History of Philosophy
MORI, A., General Geography
PELLEGRINI, G., English Language and Literature
PELLEGRINI, S., Romance Philology
PERETTI, A., Greek Literature
PIZZORUSSO, A., French Language and Literature
RAGGHIANTI, CL., History of Art
SAITTA, A., Modern History
VIOLANTE, C., Medieval Philosophy

Faculty of Medicine and Surgery:
ASCENZI, A., Pathological Anatomy
BANDETTINI, R., Odontology
COMEL, M., Dermatology and Syphilology
DOMENICI, F., Legal Medicine
FALCONE, G., Microbiology
GENTILI, A., Pediatrics
GIOTTI, A., Pharmacology
GIOVANNETTI, S., Semeiotic Medicine
GOMIRATO, G., Nervous and Mental Disease
MASSART, C., Human Anatomy
MONASTERIO, G., Medicine
MORUZZI, G., Physiology
PALTRINIERI, M., Orthopædics
PARVIS, D., Hygiene
PUCCINELLI, E., General Pathology
ROSSI, C. A., Biochemistry
SARTESCHI, P., Psychiatry
SCALORI, G., Oto-Rhino-Laryngology
SELLI, M., Urology
TONIOLO, G., Radiology
TRONCHETTI, F., Medical Pathology
WIRTH, A. M., Ophthalmology

Faculty of Mathematical, Physical and Natural Science:
ANDREOTTI, A., Superior Geometry
BARSOTTI, J., Analytical and Descriptive Geometry
BENAZZI, M., Zoology
BONATTI, S., Mineralogy
CACCIAPUOTI, N. B., Experimental Physics
CAMPANATO, S., Analytical Mathematics
FAEDO, A., Algebraic and Infinitesimal Analysis
FAVA, A., General and Inorganic Chemistry
FRANZINETTI, C., Experimental Physics
GOZZINI, A., Structure of Materials
MARINELLI, G., Petrography
PAPI, F., Zoology
PINO, P., Industrial Organic Chemistry
PRODI, G., Mathematical Analysis
SALVETTI, O., Theoretical Chemistry
SCROCCO, E., Physical Chemistry
STAMPACCHIA, G.,
STOPPINI, G., Spectroscopy
TAVANI, G., Palæontology
TREVISAN, L., Geology
VESENTINI, E., Analytical Geometry

Faculty of Pharmacy:
BERTI, G., Organic Chemistry
CARBONI, S., Pharmaceutical Chemistry and Toxicology

Faculty of Engineering:
BACCAREDDA BOY, M., Industrial Chemistry
BALLARIN, S., Topography, Land Surveying
BARTOLOZZI, G., Construction of Chemical Apparatus
BASCHIERI, L., Road and Rail Construction
BATTISTINI, G., Electrotechnics
CARRO-CAO, G., Mechanical Technology
DINI, D., Aeroplane Engines
EINAUDI, R., Rational Mechanics
GUZZANTI, C., Transport Technics and Economy
LAZZARINO, L., Aeronautical Construction
MANACORDA, T., Rational Mechanics
MARINI, M., Applied Mechanics
PERA, L., Technical Architecture
POGGI, L., Technical Physics
POLI, G., Science of Metals
RAYMONDI, C., Science of Building
RUGGIERO, C., Hydraulics
TIBERIO, U., Radiotechnics
VALLINI, A., Electrotechnics

Faculty of Agrarian Science:
D'AMATO, F., Genetics
FAVILLI, R., General Agronomy and Grass Crops
GIANNOTTI, D., Special Zootechnics
MOSCHINI, E., Horticulture and Floriculture
PERINI, D., Agrarian Economy and Politics
ROTINI, O. T., Agrarian Chemistry
SCARAMUZZI, F., Tree Culture
VENTURI, F., Agrarian Entomology
VERONA, O., Agrarian and Technical Microbiology

Faculty of Veterinary Medicine:
CASAROSA, L., Parasitology
GOBETTO, A., Anatomy and Histology of Animals
PALTRINIERI, S., Special Pathology and Medicine
ROMBOLI, B., General Pathology, Pathological Anatomy
SALERNO, G., Special Pathology and Surgery
SPISNI, D., Physiology of Animals and Biochemistry

Faculty of Economics and Commerce:
DE VERGOTTINI, M., Statistics
DIAZ, F., History
GIANNESSI, E., General and Applied Accountancy
MANCINI, G., Spanish Language and Literature
MATUCCI, M., French Language and Literature
MENEGAZZI, G., Political Economy
SANTACROCE, G., Financial Mathematics
ZANCO, A., English Language and Literature

UNIVERSITÀ DEGLI STUDI

CITTÀ UNIVERSITARIA, ROME

Telephone: 4689.

Founded 1303 by Pope Boniface VIII, with the Papal Bull "In Supremae praeminentia dignitatis".

Rector: Prof. G. U. PAPI.
Director: F. RUGGERI.
Librarian: FERNANDA ASCARELLI.

Number of teachers: 248 professors.
Number of students: 50,500.

DEANS:

Faculty of Jurisprudence: Prof. S. SASSA.
Faculty of Political Science: R. D'ADDARIO.
Faculty of Economics and Commerce: Prof. L. LIVI.
Faculty of Statistics, Demography and Actuarial Science: Prof. A. DONATI.
Faculty of Letters and Philosophy: Prof. A. M. GHISALBERTI.
Faculty of Education: Prof. F. PICCOLO.

Faculty of Medicine and Surgery: Prof. A. CIMMINO.
Faculty of Mathematics, Physics and Natural Science: Prof. E. ONORATO.
Faculty of Pharmacy: Prof. A. R. FANELLI.
Faculty of Civil, Industrial and Mining Engineering: Prof. F. NERI.
School of Aerospace Engineering: Prof. L. BROGLIO.
Faculty of Architecture: Prof. P. MARCONI.
School of Librarianship and Archivists: Prof. R. MORGHEN.

PROFESSORS:

Faculty of Jurisprudence:
COSCIANI, C., Science of Finance and Financial Law
CRISAFULLI, V., General Public Law
D'AVACK, P. A., Ecclesiastical Law
DI NARDI, G., Political Economy
FERRI, G., Commercial Law
GIANNINI, M. S., Administrative Law
GIORGIANNI, M., Agrarian Law
GORLA, L., Comparative Private Law
LEONE, G., Penal Procedure
MICHELI, G. A., Tributary Law
MORELLI, G., International Law
NICOLO, R., Institutions of Private Law
OPPO, G., Industrial Law
ORESTANO, R., Roman Law
PUGLIESE, G., History of Roman Law
SANTORIO PASSARELLI, F., Civil Law
SATTA, S., Civil Procedure Law
VASSALLI, G., Penal Law
VOLTERRA, E., Institutions of Roman Law

Faculty of Political Science:
AGO, R., International Law
BARBERI, B., Economic Statistics
CAMMARATA, A. E., Philosophy of Law
D'ADDARIO, R., Statistics
D'ALBERGO, E., Science of Finance
DELLA VALLE, G., Economic Geography
DI MATTEI, R., History of Political Doctrine
LAVAGNA, C., Italian Constitutional and Comparative Law
LUCIFREDI, R., Administrative Law
MEDICI, G., Political Economy and Finance
MONACO, R., International Organisations
MORO, A., Legal Institutions and Penal Procedure
PERTICONE, G., History of Political Parties
TOSATO, E., Institutions of Public Law
TOSCANO, M., Treaties and International Politics
VALSECCHI, F., Modern History
VEDOVATO, G., History and Institutions of Afro-Asian Countries

Faculty of Economics and Commerce:
BANDINI, M., Agrarian Economics and Politics
BOSCO, G., International Law
CAFFÈ, F., Political Economy and Finance
COSTANZO, A., Statistics
D'ALESSANDRO, L., Public Service Administration
FANFANI, A., History of Economics
FOSCHINI, A., Study of Commodities
GUARINO, G., Institutions of Public Law
LUZZATTO, F. LP., Statistics
MARRAMA, V., Political Economy
MAZZANTINI, M., Banking and Professional Technics
MILONE, F., Economic Geography
ONIDA, P., General and Applied Accountancy
OTTAVIANI, G., Financial Mathematics
PROSPERETTI, U., Labour Law
RENZI, A., Commercial and Industrial Technics
RESTA, R., Administrative Law
RUBINO, D., Institutions of Private Law
STEVE, S., Science of Finance and Financial Law
STOLFI, G., Institutions of Private Law
STOLFI, M., Commercial Law
TEDESCHI, B., Financial Mathematics

Faculty of Statistics, Demography and Actuarial Science:
CASTELLANO, V., Statistical Method
COPPINI, M. A., Social Insurance
DEL CHIARO, A., Insurance Statistics
DE MEO, G., Economic Statistics
DONATI, A., Insurance Law
FEDERICI, N., Demography
GIANNONE, A., Economic Statistics
L'ETTORE, G., Health Statistics
POMPILJ, G., Analytical Geometry
SALVEMINI, T., Statistics
SYLOS LABINI, P., Political Economy

Faculty of Letters and Philosophy:
ARGAN, G. C., History of Modern Art
BALDACCI, O., Geography
BECATTI, G., Archæology and History of Greco-Roman Art
BELARDI, W., Glottology
BINNI, W., Italian Literature
BRELICH, A., Religious History
BUSSAGLI, M., History of Indian Art
CALOGERO, G., History of Philosophy
CASTAGNOLI, F., Topography of Rome
CENCIETT, G., Palæography and Diplomatics
DE FRANCOVICH, G., History of Medieval Art
DONADONI, F., Egyptology
FRUGONI, A., Medieval History
GABRIELI, F., Arabic Language and Literature
GALLAVOTTI, C., Greek Literature
GNOLI, R., Indology
GREGORY, T., History of Medieval Philosophy
GUARDUCCI, MARGHERITA, Greek Epigraphy
KOLIQI, E., Albanian Language and Literature
LOMBARDI, F., Moral Philosophy
MACCHIA, G., French Language and Literature
MARIOTTI, S., Classical Philology
MAZZARINO, S., Roman History and Epigraphy
MORELLI, EMILIA, History of the Renaissance
MORGHEN, R., Medieval History
MOSCATI, S., Semitic Philology
PAGLIARO, A., Glottology
PALLOTTINO, M., Archæology and Etruscology
PARATORE, E., Latin Literature
PETECH, L., History and Geography of Asia
PICCHIO, R., Slavonic Philology
PINCHERLE, A., History of Christianity
PRAZ, M., English Language and Literature
PUGLIESE CARRATELLI, G., Greek History
PUGLISI, S., Palæontology
RICCARDI, R., Geography
RIPELLINO, A. M., Russian Language and Literature
ROMEO, ROSARIO, Modern History
RONCAGLIA, A., Romance Philology
RONGA, L., History of Music
SAPEGNO, N., Italian Literature
SCHIAFFINI, A., History of the Italian Language
SCHIRO, G., Byzantine Philology and History
SCUDIERI, R., Spanish Language and Literature
SPIRITO, U., Theoretical Philosophy
TECCHI, BONAVENTURA, German Language and Literature
TRAGLIA, A., Latin Literature
VALERI, N., Modern History
VINAY, G., Medieval Latin Literature
VISALBERGHI, A., Education
VITUCCI, G., Roman History

Faculty of Education:
BALDELLI, I., History of Italian Grammar and Language
BALDINI, G., English Language and Literature
BARIDON, S., French Language and Literature
BOSCO, U., Italian Language and Literature
DUPRE, E., History
FERRAROTTI, F., Sociology
FILIASI CARCANO, P., Philosophy
GRASSI, L., History of Medieval and Modern Art
MARMORALE, V., Latin Language and Literature
MOSCATI, R., History
PECORA, A., Geography
PETROCCHI, G., Italian Language and Literature
PRINI, P., History of Philosophy
SAITO, G., German Language and Literature
SAMONA, C., Spanish Language and Literature
VALENTINI, E., Psychology
VOLPICELLI, L., Education

Faculty of Medicine and Surgery:
AJELLO, L., Anatomy and Pathological Histology
ANDREASSI, G., General Histology and Embryology
BENAGIANO, A., Clinical Dentistry
BIETTI, G. B., Clinical Optics
BIOCCA, E., Parasitology
BRACCI, U., Urology
BUFANO, M., Medical Semeiology
CANESTRELLI, L., Psychology
CASSANO, C., Medical Pathology
CERGUIGLINI, S., Human Physiology
CIMMINO, A., Microbiology
COLARIZI, A., Clinical Pediatrics
CONDORELLI, L., Clinical Medicine
DEL VECCHIO, V., Hygiene
DI MACCO, G., General Pathology
DI MATTEI, P., Pharmacology
DI TULLIO, B., Criminal Anthropology
FILIPO, D., Clinical Oto-Rhino-Laryngology
GEDDA, L., Medical Genetics
GERIN, C., Forensic Medicine
GIROLAMI, M., Clinical Tropical and Sub-Tropical Diseases
GOZZANO, M., Clinic of Nervous and Mental Diseases
MALAGUZZI VALERI, O., Child Welfare
MARCOZZI, G., Surgical Semeiology
MARTINO, G., Human Physiology
MAURIZIO, E., Clinical Obstetrics and Gynæcology
MAZZONI, P., Anæsthesiology
MESSINI, M., Medical Hydrology and Systematic Medical Therapy
MONACELLI, M., Clinical Syphilology
MONTICELLI, G., Clinical Orthopædics
OMODEI ZORINI, A., Phthisiology
PATERNI, L., Industrial Medicine
PAZZINI, A., History of Medicine
RITOSSA, P., Infectious Diseases
ROSSI FANELLI, A., Biological Chemistry
SPIRITO, A., Biology and General Zoology
STEFANINI, P., Special Pathological Surgery and Clinical Propædeutics

TURANO, L., Radiology
VALDONI, P., Surgery
VIRNO, V., Normal Human Anatomy

Faculty of Mathematics, Physics and Natural Science:
ACCORDI, B., Geology
AMALDI, E., General Physics
CAGLIOTI, V., General and Inorganic Chemistry
CARERI, G., Structure of Materials
CATTANEO, C., Rational Mechanics
CIMINO, M., Astronomy
CINI, M., Theoretical Physics
CONVERSI, M., Higher Physics
DE ANGELIS, G., Analytical Chemistry
DE FINETTI, B., Probability Calculus
DE VITO, L., Numerical Analysis
FICHERA, G., Mathematical Analysis
FORNASERI, M., Geochemistry
GENNA, G., Anthropology
GIACOMINI, V., Botany
GIORDANI, M., Analytical Chemistry
GRATTONI, L., Astrophysics
ILLUMINATI, G., Organic Chemistry
KRALL, G., Rational Mechanics
LAURO, C., Petrography
LOMBARDO, L., Geometry
MARTINELLI, E., Geometry
MARTINOLI, G., Botany
MEDI, E., Terrestrial Phys cs
MONTALENTI, G., Genetics
ONORATO, E., Mineralogy
PANIZZI, L., Organic Chemistry
PASQUINI, P., Zoology
PERSICO, E., Theoretical Physics
PESCE, B., Physical Chemistry
SALVINI, G., General Physics
SARTORI, G., Inorganic and General Chemistry
SCORZA, G., Mathematical Analysis
SEGRE, B., Advanced Geometry
STEFANELLI, A., Comparative Anatomy
TRIA, E., General Physiology
URBANI, E., Histology and Embryology

Faculty of Pharmacy:
CAVALLINI, D., Biological Chemistry
DORDONI, F., Pharmacology and Pharmacognosis
GIACOMELLO, G., Pharmaceutics and Toxicology
GIULIANO, R., Pharmaceutics and Toxicology
ROMEO, A., Applied Chemical Pharmaceutics

Faculty of Engineering:
ANGELINI, A. M., Electrical Engineering
AQUILINA, C., Mineral Geophysics
ARREDI, F., Hydraulic Construction
BARZILAI, G., Applied Electronics
BORDONI, P. G., Rational Mechanism
CASTAGNA, A., Machinery
COLLARI, N., General Technology
DE CARLI, FELICE, Metallurgy and Metallography
GHIZZETTI, A,. Mathematical Analysis
LEUZZI, V., Transport
MARIANI, E., Industrial Chemistry
MARINO, A., Electrical Communications
MONGIARDINI, V., Hydraulics
NERI, F., Power Stations
NICOLOSI, G., Architectural Composition
PAROLINI, G., Technical Physics
PENTA, F., Applied Geology
PERONI, B., Telecommunications
PIGA, P., Mineral Arts
RUBERTI, A., Automatic Controls
SCOTTO LAVINA G., Engineering Mechanics
SETTE, D., Physics
SILVESTRONI, P., Chemistry
VACCARO, G., Geometry
VENTRIGLIA, U., Mineralogy

School of Aerospace Engineering:
BROGLIO, L., Aeronautical Construction
EULA, A., Aerodynamics
SANTINI, P., Elements of Aircraft Construction

Faculty of Architecture:
CARBONARA, P., Distribution of Styles of Building
DE ANGELIS D'OSSAT, G., Style and Characteristics of Monuments
DE RENZI, M., Decoration
GRECO, S., Elements of Construction
MARINO, R., Elements of Composition
MINNUCCI, G., Technology of Materials and Techniques of Construction
MURATORI, S., Architectural Composition
PICCINATO, L., Town Planning
QUARONI, L., Architectural Composition
ROISECCO, G., Elements of Composition
ZEVI, B., History of Art, History and Style of Architecture

School of Librarianship and Archivists:
ASTUTI, G., History of the Ordinances of Italy

UNIVERSITÀ DEGLI STUDI

SASSARI, SARDINIA

Telephone: 23401.

Founded 1562.

Rector: Prof. S. COSTA.

Administrative Director and Secretary: Dott. P. PUCCINI.

Number of teachers: 112, including 37 professors.

Number of students: 807 men, 159 women, total 966.

Publications: *Annuario, Studi.*

DEANS:

Faculty of Jurisprudence: Prof. G. PAU.
Faculty of Medicine and Surgery: Prof. R. BREDA.
Faculty of Pharmacy: L. DESOLE.
Faculty of Veterinary Medicine: Prof. G. BAGEDDA.
Faculty of Agriculture: Prof. O. SERVAZZI.
Faculty of Mathematical, Physical and Natural Sciences: (Vacant).

PROFESSORS:

Faculty of Jurisprudence:
AMELOTTI, M., Roman Law
BUTTARO, L., Commercial Law
CASTIGLIA, T. A., Philosophy of Law
COSSIGA, F., Constitutional Law
DE STEFANO, Ecclesiastical Law
FORTELEONI, L., Political Economy
PAU, G., International Law
PIGLIARU, A., Agrarian Law
PIRAS, S., Institutions of Private Law
PROTO, E., Penal Law
ROTA, A., Foundations of Italian Law
SUPPIEJ, G., Labour Law
ZANETTI, G., Ecclesiastical Law

Faculty of Medicine and Surgery:
ALAMANNI, U., Chemistry
ANGELILLO, B., Hygiene
BARGONI, ELEONORA, Biological Chemistry
BOCCA, E., Oto-Rhino-Laryngology
BREDA, R., General Medicine and Medical Therapy
CASTIGLIONI, G. C., General Surgery and Surgical Therapy
DE VINCENTIIS, G., Legal and Assurance Medicine
DELITALA, P., Special Pathological Surgery and Clinical Propædeutics
GIOTTI, A., Pharmacology
GIUNCHI, G., Infectious Medicine
GRAZIANI, G., Industrial Medicine
GRAZIOSI, F., Microbiology
GUALTIEROTTI, T., Human Physiology
IMPERATI, L., Surgical Semeiology
LUZZATTO, A., Nervous and Mental Disorders
MAGLIOCCA, R., Parasitology
MAIONE, M., Clinical Ophthalmology
MANUNTA, CARMINA, General and Biological Zoology
MILIA, G., Clinical Odontology
OTTONELLO, P., Radiology
PARODO, A., Physics
PAZARDJIKLIAN, E., Constitutional Medicine and Endocrinology
PAZARDJIKLIAN, M., Phthisiology
PIETROGRANDE, V., Clinical Orthopædics
SERAFINI, U., Medical Semeiology
TARDINI, A., Pathological Anatomy and Histology
VACIRCA, F., General Pathology
VECCHIETTI, G., Obstetrics and Gynæcology
VECCHIO, F., Pædiatrics and Children's Medicine

Faculty of Pharmacy:
ANGELILLO, B., Bromatological Chemistry
CORDELLA, G., Chemical Pharmaceutics and Toxicology
DESOLE, L., Pharmaceutical Botany
FANELLI, F., Pharmaceutics and Toxicology
GIOTTI, A., Pharmacology and Pharmacognosy
LEONE, V., Applied Biochemistry
LIBONATI, M., Physical Chemistry
MANCA, PEPPINA, Vegetable Physiology
PIRISINO, G., Pharmaceutics and Toxicology
PRINCIVALLE, EMILIA, General Chemistry
SASSU, GRAZIA, Human Anatomy
VACIRCA, F., Chemistry on Bromides

Faculty of Veterinary Medicine:
ARRU, E., Zoology
BAGEDDA, G., Surgery, Obstetrics and Pedology
BORTOLAMI, R., Anatomy of Domestic Animals
CORTICELLI, B., Legal Veterinary Medicine
CHIAPPINI, M., Botany
DEIANA, S., Parasitology
FLUMENE, A., Food Industry of Animal Origin
LAI, M., Pedology
LAI, P., Zooculture
LEPORI, N. G., General Zoology
MAGULEDDA, A., Animal Topography and Operative Surgery
MANUNTA, G., General Physiology
MARONGIU, A., Chemistry
MARRAS, G., Pharmacy
MURA, D., Microbiology and Immunisation
NUVOLE, P., Animal Breeding
PALMIERI, G., Topographic Anatomy and Operative Surgery
PEGREFFI, G., Infectious Diseases
TANDA, S., Inspection of Animal Foodstuffs
UBERTALLÉ, A., General and Special Zootechnics
ZEDDA, A., Physics

Faculty of Agriculture:
BARBIERI, R., General Agronomy and Grass Crops
BORTOLAMI, R., Anatomy and Physiology of Domestic Animals
BULLITTA, P., Horticulture and Flower Growing
CANCELLARA, E., Agrarian Hydraulics and Mathematics
CARRERAS, U., Statistics

DATTILO, M., Animal Breeding
FILIGHEDDU, P., Alpine and Plain Cultivation
FIORI, G., Zooculture
GIRETTI, A., Farm Accounting
LEONE, A. M., General and Inorganic Chemistry
LUCIFERO, M., Zootechnics
MILELLA, A., Vine and Olive Cultivation
MONTALDO, P., Mineralogy and Geology
PAMPALONI, E., Economics and Political Agronomy
PINNA, L., Topography
ROSA, G., Technics of Land Cultivation
SERVAZZI, O., Vegetable Pathology and Agrarian Microbiology
TASSI, F., Mechanics of Agriculture
VALSECCHI, FRANCESCA, Systematical Botany
VITAGLIANO, M., Agricultural Industry
VODRET, A., Organic Chemistry

Faculty of Mathematical, Physical and Natural Sciences:
ALBERGONI, V., Chemistry of Fermentation
ALIA, E., Human Anatomy
BARBONI, ELEONARA, Biological Chemistry
DESOLE, L., Botany
FARINA E., General and Inorganic Chemistry
FRAU, ANNA MARIA, Comparative Anatomy
LEPORI, N. G., Zoology
LIGUORI, ELVIRA, Vegetable Physiology
MAGLIOCCA, R., Parasitology
PALA, MARIA, Experimental Embryology
PRANZETTI, PAOLA, Food Science
ZEDDA, A., Physics

UNIVERSITÀ DEGLI STUDI

BANCHI DI SOTTO 55, SIENA

Telephone: 44.191.

Founded 1240.

Rector: Prof. G. DOMINI.
Director: Dr. C. GHEDUZZI.
Librarian: M. DELLE PIANE.

Number of professors: 95.
Number of students: 1,700.

Publications: *Studi Senesi* (Law, Political and Social Science), *Albi della Facoltà Medica Senese* (Medical School), *Annuario Accademico.*

DEANS:

Faculty of Jurisprudence: A. RASELLI.
School for Social Assistance: A. RASELLI.
M. Braci College: G. G. DE SANTI.
Faculty of Medicine and Surgery: A. BENCINI.
Advanced School of Clinical Obstetrics and Gynaecology: A. CENTARO.
Advanced School of Clinical Ophthalmology: A. BENCINI.
Advanced School of Clinical Pediatrics: F. RAGAZZINI.
Advanced School of Urology: E. TOSATTI.
Advanced School of Cardiovascular and Rheumatic Diseases: F. MARCOLONGO.
School of Anaesthesiology: E. TOSATTI.
Advanced School of Nervous and Mental Diseases: V. FLORIS.
Course of Specialisation in Midwifery: F. RAGAZZINI.
Faculty of Mathematics, Physics and Natural Sciences: R. BERTELLI.
Faculty of Pharmacy: C. RICCI.

PROFESSORS:

Faculty of Jurisprudence:
BOZZA, FRANCESCA, History of Roman Law, Institutions of Roman Law
BUTTARO, L., Commercial Law, Labour Legislation
CANTUCCI, M., Administrative Law, Financial Science and Law
CANULLI, NICOLA, Penal Law
CONFORTI, B., International Law
DELLE PIANE, M., History of Political Theory, Modern History
FOIS, S., Public Law
GALIZIA, M., Italian Constitutional and Comparative Law
MARCHELLO, G., Philosophy of Law
MAFFEI, D., History of Italian Law
MAJELLO, U., Private Law
MARCHELLO, G., Philosophy of Law
NAVA, S., History of Treaties and International Politics
RASELLI, A., Civil Procedural Law, Doctrine of the State
RAVÀ, ANNA LINA BAGNOLI, Ecclesiastical Law
SANTAMARIA, D., Penal Law
TALAMANCA, M., Roman Law

Faculty of Medicine and Surgery:
ARMENIO, S., Surgical Anatomy and Operations
BACCIO, B., Biology and General Zoology
BARNI, M., Forensic Medicine
BARTORELLI, C., Special Medical Pathology
BENCINI, A., Clinical Ophthalmology
BERTELLI, R., Normal Anatomy, General Histology and Embryology
CENTARO, D. V., Anatomy and Pathological Histology
CESARIS, D. V., Pathological Anatomy and Histology
COMPARINI, L., Topographical Anatomy
DIANZANI, M. U., General Pathology
FLORIS, V., Nervous and Mental Diseases Clinic
GALLONE, L., Special Surgical Pathology
LENZI, F., Medical Semeiology
MARCOLONGO, F., Clinical Medicine
OLIVA, L., Medical Radiology
OTTOLENGHI, F., Clinical Syphilology
PANA, C., Physiology
PIERANGELI, C., Clinical Otology
PIETROGRANDE, V., Clinical Orthopædics
RAGAZZINI, F., Clinical Pediatrics
RICCI, C., Biological Chemistry
RITA, G., Microbiology, Statistics, Hygiene
TOSATTI, E., Clinical Surgery, Surgical Anatomy

Faculty of Mathematics, Physics, Natural Sciences:
DOMINI, G., General Physiology
OMODEO, P., Zoology
PELLIZZER, R., Petrographics

UNIVERSITÀ DEGLI STUDI DI TORINO

VIA G. VERDI, 8-VIA PO 17, TURIN

Telephone: 54.33.97.

Founded 1405.

Rector: Prof. M. ALLARA.
Registrar: I. MATTUCCI.

Number of teachers: 134 professors.
Number of students: 14,499.

DEANS:

Faculty of Jurisprudence: Prof. G. GROSSO.
Faculty of Economics and Commerce: Prof. F. GRIBAUDI.
Faculty of Letters and Philosophy: Prof. G. GULLINI.
Faculty of Pedagogy: Prof. P. PIERI.
Faculty of Medicine and Surgery: Prof. D. BOLSI.
Faculty of Mathematical, Physical and Natural Sciences: Prof. R. DEAGLIO.
Faculty of Pharmacy: Prof. G. TAPPI.
Faculty of Agriculture: Prof. A. GOIDANICH.
Faculty of Veterinary Medicine: Prof. P. SARTORIS.

PROFESSORS:

Faculty of Jurisprudence:
ALLARA, M., Civil Law
BOBBIO, N., Philosophy of Law
BODDA, P., Administrative Law
CANSACCHI, G., International Law
CASETTA, E., Constitutional Law
CONSO, G., Penal Procedure
CORRADO, R., Labour Law
DEIANA, GIOMMARIA, Agrarian Law
FIRPO, L., History of Political Law
FORTE, F., Finance
GALLO, I. M., Penal Law
GILLI, R., Legal Medicine and Insurance
GOLZIO, S., Statistics
GRIBAUDI, F., Political and Eoconomic Geography
GROSSO, G., Roman Law
LOMBARDINI, S., Political Economy and Finance
MAIORCA, C., Comparative Private Law
OLIVERO, G., Ecclesisatical Law
PASSERIN D'ENTREVES, A., State Law
PASTERIS, C., Industrial Law
QUAZZA, G., Modern History
ROMANO, S., Institutions of Roman Law
VIORA, M., History of Italian Law
ZACCAGNINI, E., Political Economy

Faculty of Economics and Commerce:
AIROLDI, R., Marketing
BARGONI, A., Insurance
CAPRARA, U., International Commerce
CASTELLINO, G., Technical and Professional Banking
CERUTTI, A., Transport Economics
CHIANALE, A., General Accounting
CIPOLLA, C., Economic History
COMBA, M., Labour Law
DE CASTRO, D., Statistics
FACCA, U., Agrarian Economy
FERROGLIO, G.-T., G. Institutions of Public Law
GIACCARDI, G., Financial Mathematics
GRIBAUDI, F., Economic Geography
JONA, L., Professional Science
MAIORCA, C., Commercial Law
MARAZZI, A., International Law
MONTEL, A., Civil Procedural Law
PACCES, F. M., Industrial and Commercial Methods
PICCATTI, P., Industrial Law
RICOSSA, S., Political Economy
ROMANO, S., Institutions of Private Law
SPRASSO, C., Navigational Law

Faculty of Letters and Philosophy:
ABBAGNANO, N., History of Philosophy
ANDREOTTI, R., Roman History
AVALLE D'ARCO, S., Romance Philology
BERTINI, A., History of Medieval and Modern Art

Bolgiani, F., History of Christianity
Bonfante, G., Glottology
Botto, O., Indology
Capello, C., Geography
Ferrio, C., Psychology
Garosci, A., History of the Risorgimento
Getto, G., Italian Literature
Gullini, G., Archæology
Guzzo, A., Theoretical Philosophy
Lana, J., Latin Literature
Lupi, S., German Language and Literature
Maddalena, A., Greek Literature
Manselli, R., Medieval History
Mazzantini, C., History of Medieval Philosophy
Melchiori, G., English Language and Literature
Milia, M., History of Music
Momigliano, A., Roman History
Pareyson, L., Aesthetics
Pellegrino, M., Ancient Christian Literature
Ruffini, M., Rumanian Language and Literature
Scamuzzi, E., Egyptology
Simone, F., French Language and Literature
Venturi, F., Medieval and Modern History

Faculty of Pedagogy:
Bonfantimi, M. S., French Language and Literature
Bertini, G. M., Spanish Language and Literature
Betti, B., Romance Philology
Bonora, E., Italian Language and Literature
Capello, C F., Geography
De Bartolomeis, F., Pedagogy
De Regibus, A., Philosophy
Ferrero, G. G., Germanic Philology
Fiorio, G., Hygiene
Fornaca, R., History of Teaching
Gabrieli, V., English Language and Literature
Gasca, Q. C., History of the Italian Language
Giuffrida, Latin Language and Literature
Griseri, A., History of Arts
Mazzantini, C., History of Philology
Offidani, A., Institutions of Public Law and Scholastic Law
Pischedda, C., History
Rondelli, U., Physical Education

Faculty of Medicine and Surgery:
Ambrosino, C., Chemistry
Beccari, E., Pharmacology
Benassi, E., Radiology
Beretta, A. A., Special Medical Pathology
Biancalana, L., Specialised Surgery and Clinical Propædeutics
Bolsi, D., Clinic for Mental and Nervous Diseases
Borgno, M., Urology
Brunetti, F., Clinical Oto-Rhino-Laryngology
Cambosu, G., Hygiene
Casassa, M. T., Microbiology
Ceppellini, R., Genetics
Ciocatto, E., Anæsthesiology
Dagliotti, A. M., General Clinical Surgery
Dei Poli, Surgical Anatomy
Dellepiane, G., Clinical Obstetrics and Gynæcology
Dogliotti, G. C., General Clinical Medicine
Filogamo, G., Embryology
Gallenga, R., Clinical Ophthalmology
Gilli, R., Legal Insurance Medicine
Gomirato, M. S., Child Welfare
Guassardo, G., Clinical Pediatrics
Lenti, C., Biochemistry
Loreti, F., Human Anatomy
Magri, G., Semeiology
Midana, A., Clinical Dermatosyphilopathy
Montalenti, G., Physics
Mottura, G., Pathological Anatomy
Pinotti, O., Human Physiology
Radici, G., Plastic Surgery
Roasenda, F., Clinical Orthopædics
Roccia, B., Clinical Odontology
Rubino, G., Labour Medicine
Tira, S., Chemistry

Faculty of Mathematical, Physical and Natural Science:
Agostinelli, C., Higher Mechanics
Avogadro, C. L., Organic Chemistry
Bacci, G., Zoology
Barbera, O., Design and Architecture
Bellion, B., Biophysics
Bonazzola, G. C., Electronics
Borello, E., Physical Chemistry
Bosco, B., Theory of Fields
Brovetto, P., Neutron Physics
Buzano, P., Higher Geometry
Campi, E., Inorganic Chemistry
Carruccio, E., History of Mathematics
Castagnoli, C., General Physics
Castellani, E., Plant Pathology
Catino, A., Industrial Chemistry
Ceccarilli, G., Mechanics
Cecchini, G., Astronomy
Ceruti, A., Botany
Colombino, P., Mechanical Physics
Colombo, B., Mathematics
Deaglio, R., Higher Physics and General Physics
Demaria, D. C., Geometry
Di Modica, G., Organic Chemistry
Dupont, P., Mathematics
Favello, L., Cybernetics
Ferroni, S., Physics
Fubini, S., Higher Physics
Gatteschi, L., Higher Analysis and Calculus
Giua, M., Industrial Organic Chemistry
Guardabassi, A., Experimental Embryology
Lenti, C., Chemical Biology
Lerda, G., Theory of Calculating Machines
Longo, C., Algebra
Loreti, F., Human Anatomy
Malaroda, R., Geology
Margara, A., Quantitative Analysis
Masali, M., Anthropology
Mazzi, V., Comparative Anatomy
Meirone, M., Qualitative Analysis
Milone, M., General and Inorganic Chemistry
Molinaro, A., Reactor Physics
Montel, A., Law
Ostacoli, G., Electrochemistry
Ponzano, G., Radioactivity
Regge, T., Relativity
Ricca, F., Theoretical and Physical Chemistry
Rigault, de la L. G., Geochemistry
Rossi, P. F., War Chemistry
Saini, G., Analytical Chemistry
Salvestrini, G., Architecture
Stratta, R., Industrial Chemistry
Tira, B., Mathematics
Tricomi, F., Mathematical Analysis
Ventura, G., Industrial Chemistry
Venturello, G., Science of Metals
Verde, M., Theoretical Physics and Nuclear Physics
Viola, T., Complementary Mathematics
Wataghin, G., General Physics
Wataghin, V., Spectroscopy
Zeuli, M., Rational Mechanics
Zin, G., Physical Mathematics

Faculty of Pharmacy:
Alborghetti, A., Applied Clinical Pharmaceutics
Beccari, E., Pharmacognosis
Biglino, G., Biological Chemistry
Bussetti, G., Physics
Calleri, M., Mineralogy
Cambosu, G., Hygiene
Gasco, M. R., Pharmaceutics
Longo, B., Organic Chemistry
Luppi, A. M., Pharmaceutical Botany
Meda, E., General Physiology
Nano, G. M., Chemical Warfare
Ponte, B., Pharmaceutical Legislation
Reynaud, E. V., Pharmaceutics
Tappi, G., Pharmaceutical and Toxicological Chemistry
Venturello, G., General and Inorganic Chemistry

Faculty of Agriculture:
Angela, M., Mineralogy and Geology
Borello, E., General and Inorganic Chemistry
Bosticco, A., Zoology
Bottini, E., Agrarian Chemistry
Carbone, E., Zoognostics
Carlone, R., Arboriculture
Castellani, E., Plant Pathology
Crocioni, A., General Agronomy
Ghilardi, G., Forestry
Ghisleni, P. L., Horticulture
Godina, G., Animal Physiology
Goidanich, A., Agrarian Entomology
Malan, C. E., Microbiology
Ollivero, L., Agrarian Law
Peyronal, B., Systematic Botany
Priorelli, G., Agricultural Mechanics
Proni, G., Agrarian Economics
Raspino, G., Topography
Saia, F., Agrarian Economics
Sasso, G., General Botany
Tarantola, C., Rural Industries
Tolu, A., Organic Chemistry
Tournon, G., Irrigation

Faculty of Veterinary Medicine:
Ajemrito, G., Pharmacology
Barasa, A., Zoognostics
Bisbocci, G., Pathology and Pathological Anatomy
Calliera, G., Technics of Autopsy
Ceretto, F., Pathology and Anatomy
Dotta, U., Zooculture
Giulio, L., Physiology
Godina, A., Anatomy of Domestic Animals
Graziosi, D., Zoological Hygiene
Maglione, E., Microbiology and Immunology
Maletto, S., Zootechnics
Mantovani, G., Infectious Diseases
Masoero, P., General Zootechnics
Micheletto, B. Podology and Radiology
Monti, F., Pathology and Clinical Medicine
Pauluccimm, T., Zoology
Pozzi, L., Radiology
Rota, E., Surgery
Sacco, T., Botany
Sartoris, P., Pathology and Clinical Surgery
Serra, A., Parasitology

UNIVERSITÀ DEGLI STUDI DI TRIESTE

PIAZZALE EUROPA 1, TRIESTE

Telephone: 94.6.71.

Founded 1938.

Rector: Agostino Origone.

Administrative Director: Dott. O. Marchetti.

Librarian: C. Battisti.

Number of students: 4,180.

Deans:

Faculty of Jurisprudence: R. Balzarini.
Faculty of Commerce and Economics: C. Calzolari.
Faculty of Letters and Philosophy: L. Ferrero.
Faculty of Education: G. Rinaldi.
Faculty of Mathematics, Physics and Natural Sciences: S. Morgante.
Faculty of Pharmacy: B. de Bernard.
Faculty of Engineering: F. Ramponi.

Professors:

Faculty of Jurisprudence:
Bachelet, V., Administrative Law
Balzarini, R., Labour Law
De Dominicis, M. F. A., History of Roman Law
Galgano, F., Commercial Law
Ghisalberti, C., History of Italian Law
Impallomeni, G. B., Roman Public Law
Nicolis di Robilant, E., Philosophy of Law
Origone, A., Church Law
Paladin, L., Constitutional Law
Pavanini, G., Civil Procedural Law
Pisano, M., Penal Procedure
Siniscalo, M., Penal Law
Udina, M., International Law
Zampetti, P. L., Doctrine of the State

Faculty of Commerce and Economics:
Assanti, Cecilia, Labour Law
Bonetti, E., Economic Geography
Calzolari, C., Science of the Properties and Quality of Commercial Products
Daboni, L., Financial Mathematics
Declava, M., International Law
De Ferra, Commercial Law
Ferro, O., Agrarian Economy and Politics
Naddeo, A., Statistics
Resta, M., Political Economy
Rondini, O., Marketing Research
Zangheri, R., Economic History

Faculty of Letters and Philosophy:
Braun, Alfonsina, Glottology
Ferrero, L., Latin Literature
Gigante, M., Byzantine Philology
Giusti, W., Russian Language and Literature
Kanisza, G., Psychology
Mathieu, V., Theoretical Philosophy
Morpurgo Tagliabue, G., Aesthetics
Petronio, G., Italian Literature
Radetti, G., History of Philosophy
Stella, Luigia Achillea, Greek Literature
Tabacco, G., Medieval and Modern History

Faculty of Education:
Baioni, G., German Language and Literature
Rinaldi, G., History of Religions
Verra, V., History of Philosophy

Faculty of Mathematics, Physics and Natural Sciences:
Barbuti, U., Numerical and Graphical Calculations
Budini, P., Theoretical Physics
Costa, G., Physical Chemistry
De Rosa Hack, Margherita, Astronomy
Fidecaro, G., Experimental Physics
Fonda, L., Theoretical Physics
Ghirardelli, E., Zoology
Marussi, A., Geodesy
Morgante, S., Mineralogy
Pignatti, A., Botany
Poiani, G., Higher Physics
Predonzani, A., Geometry
Ripamonti, A., Chemical Structures
Risaliti, A., Organic Chemistry
Sobrero, L., Rational Mechanics
Venzo, A., Geology

Faculty of Pharmacy:
Cugurra, F., Pharmacology and Pharmacognosy
de Bernard, B., Biological Chemistry
Runti, C., Applied Pharmaceutical Chemistry

Faculty of Engineering:
Barozzi, F., Electrotechnics
Corazza, C., Electromagnetic Fields and Circuits
Dolcher, M., Analytical Mathematics
Finzi Contini, B., Technical Physics
Maternini, M., Technique and Economy of Transport
Matildi, P., Construction—wood, iron and armoured concrete
Montesi, P., Technical Architecture
Morelli, C., Applied Geophysics
Ramponi, F., Hydraulics
Roseti, C., Merchant Navy Construction
Servello, A., Naval Architecture
Tavasci, B., Applied Chemistry
Tessari, I., Machinery
Tessarotto, M., Applied Mechanics to Machinery

POLITECNICO DI MILANO

PIAZZA LEONARDO DA VINCI 32, MILAN

Telephone: 292101.

Founded 1863.

Rector: Prof. Dott. Ing. G. Bozza.
Administrative Director: Dott. F. V. Catalano.
Librarians: Prof. Dott. Ing. A. Masotti, Prof. Dott. Maria Freri.

Number of teachers: 1,561, including 48 professors.
Number of students: 6,701.

Deans:

Faculty of Engineering: Prof. Ing. Dott. G. De Marchi.
Faculty of Architecture: Prof. Arch. Dott. L. Dodi.

Professors:

Faculty of Engineering:
Amerio, L., Mathematical Analysis
Bertolini, I., Machine Construction
Biondi, E., Electrical Engineering
Bisi, A., Physics
Bolla, G., Atomic Physics
Bottani, E., Electrical Engineering
Bozza, G., Technical Physics
Carassa, F., Electric Communications
Cardani, C., Chemistry
Casci, C., Aircraft Engines and Gas Turbines
Citrini, D., Hydraulics
Clauser, E., Rational Mechanics
Correggiari, F., Electrical Machinery
Cugiani, M., Mathematical Analysis
Cunietti, M., Theory and Practice of Measurement
Dadda, L., Electrical Engineering
Danusso, F., Macromolecular Chemistry
De Pol, P., Electrical Plants
Dei Poli, A., Technics of Constructions
Dornig, A., Machine Construction
Finzi, B., Rational Mechanics
Gatti, E., Physics
Grandori, G., Science of Construction
Jelmoni, A., Road, Railway and Airport Constructions
Locatelli, P., Science of Construction
Lunelli, L., Information and Transmission Theory
Marchionna, E., Analytical Geometry
Massa, E., Applied Mechanics for Machines
Natta, G., Industrial Chemistry
Noseda, G., Hydraulics
Pagani, D., Technology of Plastics and Paints
Pasquon, I., Industrial Chemistry
Piontelli, R., Physical Chemistry
Preti, E., Aircraft Structures
Prouse, V., Mathematical Analysis
Quilico, A., General Chemistry
Regoliosi, P., Electrical Measurements
Silvestri, M., Nuclear Engineering
Solaini, L., Topography
Stabilini, L., Technics of Constructions
Zoja, R., Siderurgy

Faculty of Architecture:
Albini, F., Architectural Composition
Barbiano Di Belgioioso, L., Architectural Composition
De Carli, C., Interior Architecture
Dodi, L., Town and Country Planning
Finzi, L., Science of Construction
Masotti, A., Rational Mechanics
Nathan Rogers, E., Principles of Architectural Design

POLITECNICO DI TORINO

CORSO DUCA DEGLI ABRUZZI, TURIN

Telephone: 55.16.16.

Founded 1859.

Higher Institute of Engineering and Architecture.

Rector: Prof. A. Capetti.
Administrative Director: Dott. E. Dall' Armi.
Librarian: Ing. G. Trivero.

Number of teachers: 850.
Number of students: 3,400.
The library contains 15,000 volumes.

Deans:

Faculty of Engineering: R. Rigamonti.
Faculty of Architecture: Prof. G. M. Pugno.

Professors:

Faculty of Engineering:
Arneodo, C., Nuclear Equipment
Boella, M., Electromagnetic Fields and Circuits
Brisi, C., Technology of Materials and Applied Chemistry
Burdese, A., Iron-Working
Buzano, P., Mathematical Analysis, Algebraic and Infinitesimal
Capetti, A., Machinery
Carrer, A., Electric Machinery
Cavallari Murat, A., Architectural Technology
Cavinato, A., Mineral Deposits
Cicala, P., Aeronautical Structures
Cirilli, V., General Chemistry
Codegone, C., Technical Physics
Denina, E., Electro-Chemistry
Donato, L., Science of Construction
Egidi, C., Electrical Measurements
Einaudu, R., Rational Mechanics
Ferrari, C., Mechanics Applied to Machinery

GENTILINI, B., Hydraulics
GIOVANNOZZI, R., Machine Construction
LONGO, C., Geometry
LOVERA, G., Physics
OBERTI, G., Construction Technology
RIGAMONTI, R., Industrial Chemistry
SARTORI, R., Electrotechnics
STRAGIOTTI, L., Mining Engineering
ZITO, G., Applied Electronics

Faculty of Architecture:
BAIRATI, C., Elements of Construction
CIRIBINI, G., Elements of Construction
GORIA, C., General and Applied Chemistry
MOLLINO, C., Architectural Composition
PELLEGRINI, E., Elements of Architecture and Monumental Relief
PUGNO, G. M., Science of Construction
VERZONE, P., Style and Construction of Monuments

School of Aeronautical Engineering:
FILLIPPI, F., Engines for Aerospace Craft
GABRIELLI, G., Project of Aircraft
IARRE, G., Gas Dynamics
NOCILLA, S., Aerodynamics

OTHER UNIVERSITIES, COLLEGES AND INSTITUTES

UNIVERSITÀ CATTOLICA DEL SACRO CUORE

(Catholic University of the Sacred Heart)

PIAZZA S. AMBROGIO 9, MILAN

Founded 1920; recognised by the Government 1924

Rector: Prof. E. FRANCESCHINI.
Secretary: Dott. G. ROSSI.
Treasurer: Dott. G. BRASCA.
Librarian: Dott. R. ORFEI.

Number of teachers: 244 professors.
Number of students: 12,113 men, 4,334 women, total 16,447.

Publications: *Orbis Romanus* (collection of medieval texts), *Aegyptus, Rivista Italiana di Papirologia e di Egittologia* (edited by the School of Papyrology), *Aevum, Rassegna di Scienze Linguistiche, Storiche e Filologiche* (edited by the Faculty of Arts), *Archivio di Psicologia, Neurologia e Psichiatria, Rivista di Filosofia Neo-Scolastica* (edited by the Institute of Philosophy), *Rivista internazionale di scienze sociali, Studi di Sociologia, Acta Medica Romana, Jus* (edited by the Faculty of Law), *Annali della Facoltà di Agraria* (edited by the Faculty of Agrarian Science), *Bibliografia Italiana di Scienze Sociali* and publications from each Faculty.

DEANS:

Faculty of Law: Prof. G. B. PALLIERI.
Faculty of Political Sciences: Prof. G. MIGLIO.
Faculty of Economics and Commerce: Prof. M. ROMANI.
Faculty of Letters and Philosophy: Prof. E. FRANCESCHINI.
Faculty of Higher Education: Prof. G. NANGERONI.
Faculty of Agrarian Sciences: Prof. G. PIANA.
Faculty of Medicine and Surgery: Prof. F. VITO (President of the Provisional Advisory Board).

PROFESSORS:

Faculty of Law:
ACETI, G., Catholic Doctrine and Ethics
ALLORIO, E., Finance and Financial Law
BALLADORE PALLIERI, G., International and Constitutional Law, Doctrine of the State
BARBERO, D., Institutions of Private Law
BENVENUTI, F., Administrative Law
BIONDI, B., Institutions of Roman Law and Roman Law
BISCOTTINI, G., International Law
CATTABENI, C. M., Forensic and Insurance Medicine
CONFALONIERI, A., Technical and Professional Banking
CORDERO, F., Penal Procedure and Philosophy Law
CRESPI, A., Criminal Law
DALMARTELLI, A., Commercial Law
FALESCHINI, L., Statistics
GARBAGNATI, E., Judicial Procedure and Jurisprudence
GIACCHI, O., Canonical and Ecclesiastical Law
GUATRI, L., Industrial and Commercial Methods
LOMBARDINI, S., Economics
MASCHI, C. A., History of Roman Law
MENGONI, L., Labour and Private Law
NICOLINI, U., History of Italian Law and History of International Political Treaties
POTOTSCHNIG, U., Italian and Comparative Constitutional Law
TEANI, R., Industrial and Commercial Methods
VAJANI, L., Demography
VANZETTI, A., Industrial Law
VITO, F., Economics

Faculty of Political Sciences:
ACETI, G., Catholic Doctrine and Ethics
ALBERONI, F., Sociology
BALLADORE PALLIERI, G., International Law, Doctrine of the State
BENVENUTI, F., Administrative Law
BISCOTTINI, G., Italian and Comparative Constitutional Law; Public Law and International Organisation
FALESCHINI, L., Statistics
MAZZOCCHI, G., Finance
MENGONI, L., Labour Law
MIGLIO, G., History of Politics
NICOLINI, U., History of International Political Treaties
PASSERIN D'ENTREVES, E., Modern History
POTOTSCHNIG, U., Italian and Comparative Constitutional Law
PROSDOCINI, L., Political and Colonial History
ROMANI, M., Modern History
SAIBENE, C., Economic and Political Geography
SCHLESINGER, P., Institutions of Private Law
VAJANI, L., Demography
VITO, F., Economics, Political Economy

Faculty of Economics and Commerce:
ADOLF, GERTRUDE, German Language
ALBERONI, F., Sociology
ALLORIO, E., Financial Law
ARDEMANI, E., Applied Accountancy
BALLADORE PALLIERI, G., International Law
BENVENUTI, F., Administrative Law
BERNASCONI, G., French Language
BIGNAMI, ANTOINETTA, Applied Accountancy
BISCOTTINI, G., Institutions of Public Law
BONATO, C., Economics and Agrarian Politics
CASSONI, G., International Law
CATTANEO, M., Applied Accountancy
CLAUSER, E., Mathematics
CONFALONIERI, A., Technical and Professional Banking
CORDERO, F., Judicial Procedure and Jurisprudence
CORTI, G., Catholic Doctrine and Ethics
DUCHINI, FRANCESCA, Economics
ERBA, L., French Language
FABBRICHESI, ELISA, French Language
FALESCHINI, L., Statistics
GARBAGNATI, E., Jurisprudence
GUATRI, L., Industrial and Commercial Methods
JELMONI, A., Transport Economics
MANARA, C. F., Mathematics
MASOTTI, A., Mathematics
MAZZOCCHI, G., Economics, Finance
MENGONI, L., Labour Law
MORELLI, G., Catholic Doctrine and Ethics
NOBILI, R., Commercial Law
PELLEGRINO, U., Catholic Doctrine and Ethics
PELLIZZI, G. L., Commercial Law and Institutions of Private Law
PISTOIA, A., Financial Mathematics
PITTI FERRANDI, F., French Language
PREDETTI, A., Statistics
PROVVEDI, F., Study of Commodities
ROMANI, M., Economic History
ROUX, DELFINA, Financial Mathematics
SAIBENE, C., Economic Geography
SANCHEZ, MARIA C., Spanish Language
SANT'AMBROGIO, L., Economic Statistics
SCHLESINGER, P., Institutions of Private Law
SPETRINO, LIDIA, English Language
SPINUCCI, P., English Language
TEANI, R., Study of Commodities
UGGÈ, A., Statistics
VACCA, S., Industrial and Commercial Methods
VAJANI, L., Statistics, Demography
VALENTINI CARLONI, RENATA, French Language
VANZETTI, A., Industrial Law
VITO, F., Economics, Political Economy
VOLPATI, EMANUELA, English Language
ZERBI, T., Applied Accountancy

Faculty of Philosophy and Letters:
AGAZZI, S. A., Pedagogy
AGENO BRAMBILLA, FRANCA, Italian Philology

Arata, C., Philosophy
Barnett, R., Jr., English Language
Basini, A., English Language
Bettoni, E., History of Medieval Philosophy
Billanovich, G., Medieval and Renaissance Philology, Palæography, and Diplomatics
Blanc, P., French
Bolognesi, G., Glottology, German Philology
Bontadini, G., Theoretical Philosophy
Borsani Scalabrino, Giuseppina, Sanskrit
Bovini, G., Christian Archæology
Brisca Menapace, Lidia, Italian Language
Cagiano de Azevedo, M., Archæology, History of Greek and Roman Art and Christian Archæology
Casotti, F., English Language
Casotti, M., History of Pedagogy
Cordero, F., Philosophical Law
Cremona, V., Greek and Latin Grammar
Dal Santo, L., Latin Language
De Cesare, R., French Language and Literature
Dell' Acqua, G. A., History of Art
Erba, L., French Language
Ferri, Paola, English Language
Ferro, C., Moral Philosophy
Franceschini, E., History of Medieval Latin Literature
Garzetti, A., Greek and Roman History
Graciotti, S., Polish Language and Slavish Philology
Guariglia, G., Ethnology
Guzzetti, G. B., Catholic Doctrine and Ethics
Hutchings, G. C., English Language
Kautschischwili, Nina, Russian Language
Lazzati, G., Ancient Christian Literature
Manara, C. F., Mathematical Logic
Marinoni, A., Romance Philology
Mosatti, A., Mathematics
Meissler, H.-J., German Language
Melchiorre, V., History, Philosophy
Miglio, G., History of Politics
Montevecchi, Orsolina, Papyrology, Greek and Roman Antiquities
Nangeroni, G., Geography
Nicolini, U., History of Italian Law
Oberti, Elisa, Aesthetics
Passerin D'Entreves, E., Modern History
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Pitti Ferrandi, F., French Language
Rinaldi, G., Hebrew and Comparative Semitic Languages, Assyriology and Oriental Archæology
Riposati, B., Latin Literature, Classical Philology
Rosellini, A., French Language
Rossi, Maria L., German Language and Literature
Rossi, S., English Language and Literature
Ruzicska, P., Hungarian Language and Literature
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Scazzoso, P., Greek Language
Schena Ardizzone, O., German Language
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Slade, Genoveva, Serbo-Croatian and Slovene Language
Snider, Camilla, German Language
Spinucci, P., English Language
Valentini Carloni, R., French Language
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Vecchi, G., History of Music
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Violante, C., Medieval History
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Arata, C., Philosophy
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Basini, A., English Language
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Bontadini, G., Theoretical Philosophy
Calvetti, Carla, History of Philosophy
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Schena Ardizzone, Olga, German Language
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Spinucci, P., English Language
Sticco, Maria, Italian Language and Literature
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Lumetti, L., Catholic Doctrine and Ethics
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MARCHETTI, M., Applied Chemistry
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RAULLI SCOCCIANTI, MARIA, Mineralogy
SCARINCI, V., Pharmacology and Pharmacognosy
SETTE, NICOLA, Hygiene
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MOSCA, R., Diplomatic History
SERENI, A. P., International Law
SPINELLI, A., Politics
WORMUTH, F. D., Government

SCUOLA NORMALE SUPERIORE DI PISA

PIAZZA DEI CAVALIERI 7, PISA
Telephone: 24.034, 24.287.
Founded 1813.
Only State University College in Italy.

Director: Prof. G. BERNARDINI.
Vice-Director: Prof. P. E. ARIAS.
Administrative Director: Dott. M. NENCETTI.
Librarian: Dott. V. ORTENSI.

The library contains 100,000 volumes.

Number of teachers: 34.
Number of students: 75 men, 49 women, total 124.

Publications: *Annali* (Arts series, Science series), *Studi e Testi, Studi Linguistici e Filologici, Quaderni di Matematica, Testi umanistici inediti o rari, Italia dialettale.*

PROFESSORS:

Letters and Philosophy:
ARIAS, P. E., Classical Remains
BARONE, F., Philosophy and History of Science
BARTOLETTI, V., Papyrology
BINNI, W., History of Criticism
BOLELLI, T., Comparative History of Classical Languages
CANTIMORI, D., Methodology of History
CORSI, M., Philosophy
LA PENNA, A., Latin Philology
MASSA, E., History of Medieval Philosophy
MICCOLI, G., History of the Church
PERETTI, A., Greek Philology
QUAZZA, G., History and History of Italian Economy
RAGGHIANTI, C. L., Aesthetics and Critical Methodology
RONGA, L., History of Music
RUSSI, A., Italian Literature

Mathematical and Physical Sciences:
ARRIGHINI, G., Molecular Spectroscopy
BERNARDINI, G., Physics
BERTINI, V., Higher Organic Chemistry
DA PRATO, G., Mathematical Physics
DE GIORGIO, E., Mathematical Analysis
DI GIACOMO, A., Electronics
MENOTTI, P., Elementary Particles
MIROLLI, M., Biophysics
PICASSO, L., Theory of Relativity
RADICATI DI BROZOLO, L., Theoretical Physics
TONANI, F., Geochemistry
TONGIORGI, E., Hydrology
STAMPACCHIA, G., Differential Equations
STOPPINI, G., Physics II
VESENTINI, E., Differential Geometry

Literature:
FREER, A. J., English Language
KARS, J., German Language
ORLANDO, F., French Language
TAMBURINI KUTZENKO, T., Russian Language

SCHOOLS OF MUSIC AND ART

CONSERVATORIO DI MUSICA "SANTA CECILIA"

VIA DEI GRECI 18, ROME
Founded 1570.

Director: Maestro R. FASANO.
President of Administrative Board: (Vacant).
Number of teachers: 143 professors.
Number of students: 263 men, 157 women, total 420.

CONSERVATORIO STATALE DI MUSICA G. B. MARTINI

PIAZZA ROSSINI 2, BOLOGNA
Founded 1804.

Director: A. ZECCHI.
Administrative Director: Dott. M. MARZIO.
Librarian: Dott. O. MISCHIATI.

The library contains 60,000 volumes.
Number of teachers: 51, including 26 professors.

CONSERVATORIO DI MUSICA G. VERDI
(Music Academy "G. Verdi")

VIA DEL CONSERVATORIO 12, MILAN
Founded 1808.

Director: Mo. J. NAPOLI.
Librarian: Dott. G. BARBLAN.
The library contains 250,000 volumes.

MUSIC

CONSERVATORIO DI MUSICA "GIOACCHINO ROSSINI"

PIAZZA OLIVIERI 5, PESARO
Founded 1882; reorganised 1940.

President. Avv. S. BARRILE.
Director: R. SELVAGGI.

The library contains 20,000 volumes.
Number of teachers: 47 professors.
Number of students: 153.

CONSERVATORIO STATALE DI MUSICA "GIUSEPPE VERDI"

VIA MAZZINI 11, TURIN
Founded 1867.

President: Prof. C. VERDE.
Director: Dott. L. ROCCA.
Librarian: C. MOSSO.

Number of teachers: 52 professors.
Number of students: 204.

CONSERVATORIO NAZIONALE DI MUSICA "BENEDETTO MARCELLO"

CAMPO S. STEFANO, VENICE
Founded 1877; reorganised 1940.

President: Dott. Com. G. CAMPAGNA.
Director: Maestro G. BIANCHI.
Librarian: Dott. M. MESSINIS.

The library contains 20,000 volumes.
Number of teachers: 53 professors.
Number of students: 55 men, 63 women, total 118.

OTHER IMPORTANT SCHOOLS OF MUSIC ARE:

Conservatorio di Musica "C. Monteverdi": Piazza Domenicani 1, Bolzano.
Director: G. CAMBISSA.
International Busoni Piano Competition held yearly.

Conservatorio Statale di Musica "G. Pier Luigi da Palestrina": Piazza Palazzo 1, Cagliari; f. 1939.
Director: F. MARGOLA.

Conservatorio di Musica "L. Cherubini": Piazzetta delle Belle Arti, Florence; f. 1861.
Director: Maestro A. VERETTI.
Secretary: SILVIA MANCALEONI.

Conservatorio di Musica "S. Pietro a Maiella": via S. Pietro a Maiella 35, Naples.
Director: Maestro T. GARGIULO.

Conservatorio di Musica "V. Bellini": via Squarcialupo 45, Palermo.
Director: V. MANNINO.

Conservatorio di Musica "A. Boiti": via Conservatorio 27, Parma.
Library of 70,000 volumes.
President: O. POPOLI.

Istituto Musicale Nicolò Paganini: Salita San Francesco 4, Palazzo Della Meridiana, Genoa.

Accademia Albertina di Belle Arti e Liceo Artistico: via Accademia Albertina 6, Turin; f. 1652; Pres. Prof. F. CASORATI; Dir. Prof. E. PAULUCCI; Sec. Dott. F. SALVI.

Accademia di Belle Arti (*Academy of Fine Arts*): via Ricasoli 66, Florence; f. 1801; library of 22,000 vols.

Accademia di Belle Arti (*Academy of Fine Arts*): Palazzo di Brera, via Brera 28, Milan; f. 1776; library of 20,000 vols.; Pres. Dott. P. GANDIANI; Dir. Prof. G. VINCENZO.

Accademia di Belle Arti (*Academy of Fine Arts*): Piazza S. Francesco 5, Perugia; f. 1546; 765 Academicians, 729 Hon. Academicians; collections of paintings, engravings, drawings, etc.; Pres. Prof. S. VALITUTTI; Dir. Prof. Arch. P. FRENGUELLI; Sec. of Council of Academy Dott. N. DIAZ; Administrative Dir. Prof. M. SOLINAS.

Accademia di Belle Arti (*Academy of Fine Arts*): via Baccarini 1, Ravenna; f. 1827; library of 5,000 vols.; Dir. Dott. Prof. T. ORSELLI; Sec.-Gen. Rag. G. BUSTACCHINI.

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): via Belle Arti 54, Bologna; f. 1710; library of 15,000 vols.; Dir. Dott. Prof. G. PESCI; Librarian Prof. R. BUSCAROLI.

ART

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): Palazzo Malaspina, Piazza dell'Accademia 1, Carrara; special courses in marble sculpture.

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): via Lombardia 7, Lecce; Dir. Dott. Prof. SPIZZICO.

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): via Bellini 36, Naples; f. 1838; library of 7,000 vols.; Dir. Prof. C. LORENZETTI.

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): via Papireto 20, and Piazza Papireto 2, Palermo.

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): via Ripetta 222, Rome; Pres. S. CESCHI; Dir. M. GIERRISI.

Accademia di Belle Arti e Liceo Artistico (*Academy of Fine Arts*): Dorsoduro 1050, Venice; f. 1750; Pres. Conte Ing. A. PASSI; Dir. Prof. Dott. G. DE LOGU; Sec. Dott. C. DE PAOLA.

Accademia Nazionale di Arte Drammatica "Silvio d'Amico": Teatro Eleonora Duse, via Vittoria 6, Rome; f. 1935; Pres. Prof. G. MARTINO.

Accademia Nazionale di Danza: Largo Arrigo VII, Rome; f. 1940; Pres. Prof. G. MARTINO.

Istituto Centrale del Restauro (*Central Institute for the Restoration of Works of Art*): Piazza S. Francesco da Paola 9, Rome.

Istituto d'Arte: Piazza Armi 16, Sassari; woodwork, metal work, weaving, painting, ceramics and architecture.

Istituto Statale d'Arte per la Ceramica: Corso Baccarini 17, Faenza; normal courses in Ceramic Technology; Higher courses of Industrial Design and Ceramic Technology, special courses for foreigners.

Istituto Statale d'Arte per l'arredamento e la decorazione della nave e degli interni "Enrico Nordio": via Pasquale Besenghi 2, Trieste; f. 1955; furnishing and decoration of ships and interiors; Dir. R. BAROCCHI.

Istituto d'Arte: Piazza Duca Federico 1, Urbino; engraving, page-setting, lithography, book-binding, photo engraving (animated cartoons).

Liceo Artistico Statale "Mattia Preti": via Domenico, Romeo 2, Reggio Calabria; Dir. Dott. Ing. PANI.

IVORY COAST

Population 3,797,000

RESEARCH INSTITUTES

Alliance Française: c/o The French Consulate, Abidjan.

Centre National de Documentation: B.P. 398, Abidjan; research in the human, earth and natural sciences; incorporates the former centre of the Institut Français d'Afrique Noire in the Ivory Coast; *see also* Libraries.

Centre Recherche Zootechnique: Ninankro.

Direction de la Recherche Scientifique: Abidjan; controls Centre National de Documentation, Musée Ethnographique, Laboratoire d'Hydrobiologie, Laboratoire d'Ecologie Tropicale and the Station Géophysique de Lamto; conducts research in human and Natural Sciences; Dir. J. L. Tournier.

Institut d'Enseignement et de Recherches Tropicales d'Adiopodoumé (a station of O.R.S.T.O.M.): B.P. 20, Abidjan; f. 1946; threefold function: specialist training of research students for tropical regions; fundamental and applied research in Socio-Economy, Botany, Agricultural and Medical Entomology, Ecology of Mammals and Birds, Hydrology, Materia Medica (Pharmacopoeia), Nematology, Pedology, Mineralogy, Sedimentology, Vegetal Physiology, Phytopathology, Phytotechnics and Bioclimatology; laboratory for the utilisation of radioisotopes; popularisation of research results having agricultural application; Dir. Dr. N. Leneuf; 48 research staff; 18 laboratory technicians.

Institut d'Hygiène: Abidjan.

Institut de Recherches pour les Huiles et Oléagineux (IRHO) (*Research Institute for Oils and Oily Substances*): La Mé, nr. Bingerville.

Institut de Recherches du Coton et des Textiles Exotiques (IRCT) (*Research Institute on Cotton and Tropical Textiles*): Bouaké.

Institut de Recherches sur le Caoutchouc (IRCA) (*Institute of Rubber Research*): Abidjan, La Mé.

Institut des Fruits et Agrumes Coloniaux (FAC) (*Institute of Tropical and Citrus Fruits*): B.P. 606, Abidjan.

Institut Français du Café et du Cacao (IFCC) (*Cocoa and Coffee Research Station*): Bingerville.
Station Centrale: Divo.
Station Régionale: Bingerville.
Station Régionale: Abengourou.

Institut Français de Recherches Fruitières Outre-Mer (IFAC): B.P. 1470, Abidjan; brs. at Azaguié and Anguededou.

Station Géophysique de Lamto: B.P. 398, Abidjan; seismological and climatological studies; Dir. J. L. Tournier.

LIBRARIES

Bibliothèque Centrale de Côte d' Ivoire: Abidjan-Treichville, B.P. 6243; f. 1963; a service of the Ministry of National Education; public lecture service; library: 6,000 volumes; founded with the help of UNESCO.

Bibliothèque de l' Université d' Abidjan: Abidjan; f. 1963; 8,000 volumes; Librarian Mme. Le Joly.

Bibliothèque du Centre Culturel Américain: B.P. 1866; Abidjan.

Centre National de Documentation: B.P. 398, Abidjan; scientific library.

Hôtel de Ville: Abidjan.

Service d'Information: Abidjan.

MUSEUM

Musée de la Côte d'Ivoire: Abidjan; exhibits of ethnographical, sociological, artistic and scientific nature.

UNIVERSITY

UNIVERSITÉ D'ABIDJAN

ABIDJAN

Telephone: 496-75, 496-76, 496-77

Founded as the Centre d'Enseignement Supérieur d'Abidjan 1958; University 1963.

Rector: Prof. Pierre Huard.
Secretaries: M. Combrier, M. Potey.
Librarian: Mme Le Joly.

Number of teachers: 50.
Number of students: 1,500.

Deans:

Faculty of Law: Prof. Tixier.
Faculty of Medicine: Prof. Huard.
Faculty of Sciences: Prof. Henry.
Faculty of Letters: Prof. Mayer.

Professors:

Faculty of Law:
Linossier (Public Law).
Tixier (Constitutional Law).

Faculty of Medicine:
Huard (Anatomy).
Le Guyader (Semiology).

Faculty of Sciences:
Adjanohoun (Botany).
Baudet (Physical Chemistry).
Bodot (Chemistry).
Henry (Botany).
Johnson (Zoology).
Leneuf (Geology).
Soulie (General Biology).
Theodoresco, Mlle. (Physics).

Faculty of Letters:
Mayer (French Language and Literature).

There are in addition 19 Visiting Professors.

JAMAICA

Population 1,729,774

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council, The: 34 Trafalgar Road, Kingston 10; Rep. Dr. C. HENTSCHEL.

Central Planning Unit: P.O. Box 512, Kingston; Government Research Centre for social and economic development projects.

Institute of Social and Economic Research: *see* under University of the West Indies below.

Institute of Jamaica: Kingston; f. 1879; comprises a general library of 30,000 vols.; a West India reference library of over 50,000 items; two junior centres; Museum (Natural History, History and Art and Crafts); School of Art and Crafts; Board of Govs. A. L. HENDRIKS (Chair.); Dir. and Curator C. BERNARD LEWIS, O.B.E., B.A.; Librarian (Vacant); Supervisor Junior Centre, Art and Music ROBERT VERITY, M.B.E.; Dir. of Studies, School of Art and Crafts BARRINGTON WATSON; publs. *Bulletin (Science Series), Occasional Papers of the Museum of the Institute of Jamaica, Glimpses of Jamaican Natural History.*

Sugar Research Department, The Sugar Manufacturers' Association (of Jamaica) Ltd.: Mandeville; research in sugar cane production; laboratories.

LIBRARIES AND MUSEUM

Institute of Jamaica Library: (*see* above).

Jamaica Library Service: 2 Tom Redcam Avenue, Kingston; f. 1948; comprises island-wide network of public libraries, and book-mobile service with stock of 401,000 books; administers a Schools Library Service with stock of 226,000 books for 740 schools and five school book-mobiles; Dir. Mrs. JOYCE ROBINSON, M.B.E., F.L.A.

University of the West Indies Library: Mona, St Andrew, Jamaica; f. 1948; approx. 155,000 vols.; Librarian W. E. GOCKING, B.A., F.L.A. (*see also* Trinidad and Tobago).

Institute of Jamaica Museum: (*see* above).

UNIVERSITY

UNIVERSITY OF THE WEST INDIES

MONA, KINGSTON 7, JAMAICA

Telephone: 76661

Founded 1948, University 1962

Serves Jamaica, Trinidad and Tobago, the British Colonies in the Caribbean, and the Bahamas. The Faculties of Arts, Natural Sciences, Social Sciences, Education, Medicine and General Degree Studies are in Jamaica; the Faculties of Agriculture and Engineering and a College of Arts and Science are in Trinidad; there is a College of Arts and Science in Barbados. There are extra-mural tutors in the contributing territories.

Chancellor: H.R.H. Princess ALICE, Countess of ATHLONE, G.C.V.O., G.B.E., V.A.
Pro-Chancellor: Rt. Hon. Dr. E. WILLIAMS, D.PHIL.
Vice-Chancellor: P. M. SHERLOCK, C.B.E., B.A., HON. LL.D.
Pro-Vice-Chancellors: Dr. H. D. HUGGINS, M.S., A.M., PH.D., S. L. MARTIN, M.SC., A.R.C.S., D.I.C., F.R.I.C.
Registrar: D. O. MILLS, B.SC.(ECON) (Acting).
Librarian: W. E. GOCKING, B.A., F.L.A.

Number of teaching staff: 289.
Number of students: 2,452.

Publications: *Calendar, Caribbean Quarterly, Caribbean Affairs, Social and Economic Studies, West Indian Medical Journal, U.W.I. Quarterly.*

DEANS:

Faculty of Arts: W. MAILER, M.A.
Faculty of General Degree Studies: L. R. B. ROBINSON, M.A.
Faculty of Education: H. W. SPRINGER, C.B.E., M.A., HON. D.SC.SOC.
Faculty of Medicine: E. K. CRUICKSHANK, O.B.E., M.D., CH.B., F.R.C.P.
Faculty of Social Sciences: L. E. S. BRAITHWAITE, B.A.
Faculty of Natural Sciences: R. W. H. WRIGHT, PH.D., F.INST.P., A.M.I.E.E., F.R.A.S.
Faculty of Agriculture (St. Augustine, Trinidad): P. MAHADEVAN, PH.D.
Faculty of Engineering (St. Augustine, Trinidad): K. S. JULIEN, PH.D.

PROFESSORS:

ANDREWS, W. H. H. (Physiology).
ANNAMUNTHODO, H. (Clinical Surgery).
BRAS, G. (Pathology).
CRUICKSHANK, E. K. (Medicine).
CUNNINGHAM, R. K. (Chemistry and Soil Science).
FIGUEROA, J. J. (Education).
GOLDING, J. S. A. (Tropical Orthopædics and Rehabilitation).
GOODBODY, I. M. (Zoology).
GOVEIA, E. V. (West Indian History).
GRANT, L. S. (Microbiology
HALL, D. G. H. (History).
HAYNES, J. L. (Chemistry).
HOYTE, D. A. N. (Anatomy).
KENNEDY, C. M. (Economics).
MAHADEVAN, P. (Agriculture, Animal Husbandry).
MOHTADI, M. F. (Chemical Engineering).
PURSEGLOVE, J. W. (Botany and Plant Pathology).
SKELDING, A. D. (Botany).
STEWART, D. B. (Obstetrics and Gynæcology).
ROBERTS, G. W. (Demography).
ROBINSON, L. R. B. (Mathematics).
TAI, E. A. (Agriculture, Crop Husbandry).
VON HOLT, C. (Biochemistry).
WHINNOM, K. M. (Modern Languages).
WHITTON, P. W. (Mechanical Engineering).
WILLIAMS, G. (Zoology).
WRIGHT, R. W. H. (Physics).

ATTACHED INSTITUTES:

Institute of Education.
Director: H. W. SPRINGER, C.B.E., M.A., HON. D.SC.SOC.

Department of Extra Mural Studies.
Director: H. L. WYNTER, M.A., P.G.C.E.

Institute of Social and Economic Research.
Director (Acting): L. E. S. BRAITHWAITE, B.A.

Trade Union Institute.
Director of Studies: R. M. NETTLEFORD, B.A., B.PHIL.

Regional Research Centre: Trinidad.
Head: J. LAMB, O.B.E., M.SC., F.R.I.C., A.I.C.T.A.

Contains the following units:

School of Agriculture:
Director: J. LAMB, O.B.E., M.SC., F.R.I.C., A.I.C.T.A.

Citrus Research Unit:
Head: G. K. MALIPHANT, PH.D.

Cocoa Research Unit.:
Head: D. B. MURRAY, M.A., A.I.C.T.A.

Soil Research Survey:
Head: R. K. CUNNINGHAM, PH.D.

Seismic Research Unit:
Seismologist: G. R. ROBSON, PH.D.

Rubber Research Unit:
Agronomist: C. F. ARLETT, B.SC.

Central Analytical Laboratory:
Analyst: A. E. KERR, B.SC., F.R.I.C.

Regional Virus Laboratory:
Head: L. SPENCE, M.B., CH.B., D.T.M. & H.

COLLEGES

COLLEGE OF ARTS, SCIENCE AND TECHNOLOGY
KINGSTON 6

Founded 1958

Full-time and part-time courses for Diplomas and Certificates in Mechanical, Electrical, and Construction Engineering, Business Studies, Pharmacy, and Institutional Management; courses lead to professional recognition in the various fields; approx. 400 full-time students and 1,000 part-time students.

SCHOOL OF AGRICULTURE
TWICKENHAM PARK, SPANISH TOWN, JAMAICA

Founded 1910

Principal: G. F. F. GAYLE, D.I.C.T.A., M.SC.

Number of teachers: 31 (22 full-time).
Number of students: 146.

Courses in agricultural economics, agronomy, agricultural engineering, animal husbandry, botany, chemistry, English, extension education, geology, physics, soils, surveying. zoology, veterinary science, etc.

JAPAN

Population 96,160,000

ACADEMY

NIPPON GAKUSHIIN
(Japan Academy)

UENO PARK, TOKYO

Founded 1879.

The Japan Academy—which is a member of the International Union of Academies—is an honorary organisation which affords membership and preferential treatment to those who have made outstanding contributions to the advancement of science and learning.

President: Dr. YUJI SHIBATA.

Secretary: Dr. NAOSHIRO TSUJI.

Total number of members: 150.

Publications: *Proceedings* (10 annually), *Nippon Gakushiin Kiyo* (3 annually).

CHAIRMEN OF SECTIONS:

Section 1 (Social Sciences and Humanities): Dr. SHIGERU NAMBARA.
Section 2 (Natural Sciences and their Application): Dr. SEITARO TSUBOI.

MEMBERS:

Section 1

ARISAWA, HIROMI (Economics).
DOI, KÔCHI (English Literature).
HARADA, YOSHITO (Oriental History and Archæology).
HISAMATSU, SEN-ICHI (Japanese Literature).
HONJO, EIJIRO (Economic History).
ICHIKAWA, SANKI (English Philology).
ISHIWARA, KEN (History of Philosophy and Christian Theology).
ITO, HANYA (Public Finance).
KAMIKAWA, HIKOMATSU (International Politics and International Political History).
KANAKURA, YENSHO (Indian Philosophy).
KATSUMOTO, MASAAKIRA (Civil Law, Copyright, and Patent Law).
KAWAMURA, MATASUKE (Constitutional Law).
KIKUCHI, ISAO (Social Law).
KINDAICHI, KYÔSUKE (Philology).
KITAZAWA, SHINJIRO (Economics).
KOIZUMI, SHINZO (Political Economy).
KOMACHIYA, SÔZÔ (Commercial Law).
KOMIYA, TOYOTAKA (German Literature).
MAKINO, EIICHI (Criminal Law).
MIYASAWA, TOSIYOSI (Constitutional Law).
MURAKAMI, NAOJIRO (Occidental History).
NAKADA, KAORU (Japanese Legal History).
NAKAGAWA, ZENNOSUKE (Civil Law).
NAKAMURA, MUNEO (Law of Civil Procedure and Civil Law).
NAKAYAMA, ICHIRO (Economics).
NAMBARA, SHIGERU (Political Science and History of Political Science).
NIIZEKI, RYOZO (German Literature).
NISHITANI, KEIJI (Philosophy).
OHAMA, NOBUMOTO (Commercial Law).
OJIMA, SUKEMA (Chinese Philosophy).
OKAZAKI, YOSHIE (Japanese Literature).
ONO, SEIITIRO (Criminal Law and Criminal Procedure).
ORUI, NOBURU (History of European Civilization).
OTSUKA, KINNOSUKE (History of Modern Social and Economic Thought).
OUCHI, HYOE (Public Finance).
SAITO, TAKESHI (English Literature).
SAKAMOTO, TARO (Japanese History).
SHIMMURA, IZURU (Philology).
SUEKAWA, HIROSHI (Civil Law).
SUGIYAMA, NAOJIRO (Comparative Law).
SUZUKI, DAISETZ TEITARO (Buddhist Philosophy).
TAKAGAKI, TORAJIRO (Economics).
TAKAGI, SADAJI (Psychology).
TAKAGI, YASAKA (Political Science).
TAKAHASHI, SEIICHIRO (History of Economics).
TAKAYANAGI, KENZO (Anglo-American Law).
TAKEUCHI, YOSHIO (Chinese Philosophy).
TANAKA, KOTARO (Commercial Law and Philosophy of Law).
TAOKA, RYOICHI (International Law).
TÔBATA, SEIICHI, (Agricultural Economics).
TSUJI, NAOSHIRO (Sanskrit Philology).
TSUNETO, KYO (Legal Philosophy).
UYENO, NAOTERU (Aesthetics and History of Arts).
WAGATSUMA, SAKAE (Private Law).
WAKIMURA, YOSHITARO (Economics).
YAMADA, MORITARO (Economics).
YAMADA, SABURÔ (Private International Law).
YOKOTA, KISABURO (Public International Law).

Section 2

AKABORI, SHIRO (Organic Biochemistry).
AMEMIYA, IKUSAKU (Fishery and Marine Zoology).
ASAHINA, YASUHIKO (Pharmacy and Pharmacognosy).
FUKUSHI, TEIKICHI (Plant Pathology and Virology).
FURUHATA, TANEMOTO (Legal Medicine).
FUTAKI, KENZO (Medicine).
GOTO, KAKUJI (Agricultural Chemistry).
HAGIHARA, YUSUKE (Astronomy).
HARA, RYOSABURO (Applied Chemistry).
HASEBE, KOTONDO (Anatomy and Anthropology).
HASEGAWA, MANKICHI (Geoelectricity and Geomagnetism).
HIRAI, KINSABURO (Pædiatrics).
HIRATSUKA, EIKICHI (Sericulture and Agricultural Chemistry).
HORIBA, SHINKICHI (Physical Chemistry).
IMAMURA, ARAO (Internal Medicine).
ITO, TEI-ICHI (Crystallography and Mineralogy).
KATO TOYOJIRO (Internal Medicine).
KAYA, SEIJI (Physics).
KIHARA, HITOSHI (Genetics).
KIKUCHI, SEISHI (Nuclear Physics).
KIMURA, KENJIRO (Analytical Chemistry).
KOMAI, TAKU (Zoology and Genetics).
KOTAKE, YASHIRO (Biochemistry).
KUNO, YAS (Physiology).
KUNUGI, KINJIRÔ (Mathematics).
KUROKAWA, TOSHIO (Internal Medicine).
KUWADA, YOSHINARI (Plant Cytology).
MASIMA, MASAITI (Applied Physics).
MASUI, KIYOSHI (Zootechnical Science).
MASUMOTO, HAKARU (Physical Metallurgy).
MATSUMOTO, SHIN-ICHI (Dermatology and Syphilology).
MISHIMA, TOKUSHICHI (Metallurgy).
MIZUSHIMA, SAN-ICHIRO (Physical Chemistry).
MORINAGA, TOSHITARO (Plant Breeding and Agronomy).
MURAKAMI, TAKEJIRO (Physical Metallurgy).
NAGAO, MASARU (Dentistry).
NAITO, TACHU (Architecture).
NISHIHARA, TOSHIO (Mechanical Engineering).
OCHIAI, EIJI (Pharmaceutical Chemistry).
OGATA, TOMOSABURO (Pathology).
OKINAKA, SHIGEO (Internal Medicine and Neurology).
OHSHIMA, HIROSHI (Zoology).
OKADA, YÔ KANAME (Zoology).
OKUDA, YUZURU (Agricultural Chemistry).
ONO, AKIMASA (Mechanical Engineering).
ONODERA, NAOSUKE (Internal Medicine).
SAKAGUCHI, KINICHIRO (Microbiology).
SAKAMURA, TETSU (Plant Physiology).
SAMESHIMA, JITSUSABURO (Physical Chemistry).

SASAKI, TAKAOKI (Medicine).
SHIBATA, YUJI (Inorganic Chemistry).
SHIBUSAWA, MOTOJI (Electrical Engineering).
SHODA, KENJIRO (Mathematics).
SOMIYA, TAKAYUKI (Applied and Analytical Chemistry).
SUETUNA, ZYOITI (Mathematics).
SUZUKI, JUN (Geology of Ore Deposits).
TAKEI, SANKICHI (Agricultural Chemistry and Chemistry of Pesticides).
TANAKA, YOSHIMARO (Sericology and Genetics).
TANAKA, YOSHIO (Applied Chemistry).
TERAZAWA, KWAN-ICHI (Physics).
TOMITA, MASAJI (Biological Chemistry).
TOMONAGA, SIN-ITIRO (Physics).
TORIKAI, RISABURO (Electrical Engineering).
TSUBOI, CHUJI (Geophysics).
TSUBOI, SEITARÔ (Petrology).
UCHIMURA, YUSHI (Psychiatry).
UTIDA, YOSIKAZU (Architecture).
WADATI, KIYOO (Geophysics).
YABE, HISAKATSU (Geology and Palæontology).
YABUTA, TEIJIRO (Agricultural Chemistry).
YAGI, HIDETSUGU (Electrical Engineering).
YAMAGATA, MASAO (Naval Architecture).
YAMANOUCHI, TAKAHIKO (Theoretical Physics).
YOSHIDA, TOMIZO (Pathology).
YUKAWA, HIDEKI (Theoretical Physics).

HONORARY MEMBERS

BLUNDEN, EDMUND C. (English Literature).
CAPITANT, RENE (Administrative Law).
DE LA MORANDIERE, LÉON FRANÇOIS JULLIOT (Civil Law).
DES LONGRAIS, FRÉDÉRIC JOÜON (History of Comparative Legislation).
HEISENBERG, WERNER CARL (Physics).
KUHN, RICHARD (Organic and Physiological Chemistry).
MULLER, HERMANN JOSEPH (Genetics).
OPPENHEIMER, J. ROBERT (Physics).
RABI, ISIDOR ISAAC (Physics).
RENOU, LOUIS (Sanskrit).
ROBINSON, SIR ROBERT (Organic Chemistry).
WINGE, ÖJVIND (Genetics).
WALEY, ARTHUR DAVID (Oriental Literature).

LEARNED SOCIETIES AND RESEARCH INSTITUTES

NIHON GAKUJUTSU KAIGI (Science Council of Japan) (J.S.C.)

UENO PARK, TOKYO

Founded on January 20th, 1949, as the governmental organisation representative of all Japanese scientists. Its functions are to promote scientific development throughout national life, industry and administration, to co-ordinate scientific research and to link scientific organisations abroad. It supersedes the former National Research Council.

President: KIYOO WADATI.
Vice-Presidents: TAKEO KUWABARA, MASAO YAMAGATA.
Secretary-General: TOSHIO TAKESHITA.

Library of 112,000 volumes.
Number of members: 210.

Publications in (English): *Annual Report, Law and Politics, Economic Series, Oceanographic Works, Proceedings, Reports*, etc.

CHAIRMEN OF SECTIONS:

Section 1 (Literature, Philosophy, Pedagogy, Psychology and Sociology, History): TOKIOMI KAIGO.
Section 2 (Law and Political Science): YOSHITARO HIRANO.
Section 3 (Economics, Commerce and Business Administration): KANAME HAYASHI.
Section 4 (Pure Science): YOSHIO FUJIOKA.
Section 5 (Engineering): YASUJIRO NIWA.
Section 6 (Agriculture): MASATAKA OHMASA.
Section 7 (Medicine, Dentistry, Pharmacology): TOMIZO YOSHIDA.

The council sponsors committees on all branches of science. There are 53 national committees, eleven special and six standing committees, a central returning committee and a management committee.

AGRICULTURE, BOTANY, FISHERIES, ETC.

Danchi-Nogaku Kenkyu-Kai (*Southern Agricultural Society*): Miyazaki University, Faculty of Agriculture, Funatsuka-cho, Miyazaki; f. 1947; 200 mems.; Pres. SHIGEO ASANO; publ. *Danchi-Nogaku*.

Engei Gakkai (*Japanese Society for Horticultural Science*): Faculty of Agriculture, University of Tokyo; f. 1923; 1,800 mems.; Pres. MAKOTO KAJIURA; Sec. M. IWATA; publ. *Journal* (quarterly).

Gyogyo Keizai Gakkai (*The Fisheries Economic Society*): c/o Nippon Univ., Dept. of Economics, Chiyoda-Ku, Tokyo; f. 1953; 350 mems.; Pres. SEIZO OKAMOTO; publ. *Journal* (quarterly).

Nihon Ju-i Gakkai (*Japanese Society of Veterinary Science*): Faculty of Agriculture, University of Tokyo; f. 1885; 1,500 mems.; Pres. YUICHI OCHI; publ. *Journal* (bi-monthly).

Nippon Chikusan Gakkai (*The Japanese Society of Zootechnical Science*): c/o Faculty of Agriculture, University of Tokyo; f. 1924; 1,500 mems.; Pres. SHOJI UESAKA; publ. *Journal* (monthly).

Nippon Dojyo-Hiryo Gakkai (*The Society of the Science of Soil and Manure of Japan*): c/o National Institute of Agricultural Sciences, Nishigahara, Kita-ku, Tokyo; f. 1914; Pres. SHINGO MITSUI.

Nippon Ikushu Gakkai (*Japanese Society of Breeding*): c/o Faculty of Agriculture, The University of Tokyo; f. 1951; 1,300 mems,; Pres. SEIJIN NAGAO; publ. *Journal* (quarterly).

Nippon Mokuzai Gakkai (*The Japan Wood Research Society*): c/o Government Forest Experiment Station, Meguro-ku, Tokyo; f. 195; 8500 mems.; Pres. TSUNEO KISHIMA; publ. *Mokuzai Gakkaishi* (Journal of the Japan Wood Research Society).

Nippon Nogakkai (*Japanese Association of Agricultural Science Societies*): Faculty of Agriculture, University of Tokyo; f. 1930; 21 mem. societies; Pres. EIKICBI HIRATSUKA.

Nippon Nogei Kagaku Kai (*Agricultural Chemical Society of Japan*): Faculty of Agriculture, University of Tokyo; f. 1923; 5,100 mems.; Pres. YOSITO SAKURAI; publs. *Journals* in English and Japanese (monthly).

Nippon Nogyo Keizai Gakkai (*Agricultural Economic Society*): Faculty of Agriculture, University of Tokyo; f. 1924; 450 mems.; Pres. MASANOBU KUWABARA; publ. *Journal of Rural Economics* (quarterly).

Nippon Oyo-Dobutsu-Konchu Gakkai (*Society of Applied Entomology and Zoology*): c/o National Institute of Agricultural Sciences, Nishigahara, Kita-ku, Tokyo; f. 1957; 1,200 mems.; Pres. AKIRA KAWADA; publ. *Journal* (quarterly).

Nippon Ringakkai (*The Japanese Forestry Society*): c/o Government Forest Station, Meguro-ku, Tokyo; f. 1914; 6,000 mems.; Pres. SADAO OGIWARA; publ. *Journal* (monthly).

Nippon Sakumotsu Gakkai (*Crop Science Society of Japan*): c/o Faculty of Agriculture, University of Tokyo; f. 1927; 1,800 mems.; Pres. KENJI TOJO; Sec. YOSHIJI TOGARI; publ. *Proceedings* (quarterly).

Nippon Sanshi Gakkai (*The Sericulture Society of Japan*): c/o The Sericultural Experiment Station, Suginami-ku, Tokyo; f. 1930; 1,300 mems.; Pres. Tadao Yokoyama; publ. *Journal* (bi-monthly).

Nippon Seitai Gakkai (*Ecological Society of Japan*); Biologica' Institute, Tohoku University, Sendai; f. 1954; 1,100 mems; Pres. Denzaburo Miyadi; publ. *Japanese Journal of Ecology* (bi-monthly).

Nippon Shio Gakkai (*The Society of Salt Science of Japan*): c/o Central Research Institute, Japan Monopoly Corporation, Yutaka-machi, Shinagawa-ku, Tokyo; f. 1950; 500 mems.; Pres. Kenzo Kobo; publ. *Bulletin* (bi-monthly).

Nippon Shokubutsu-Byori Gakkai (*The Phyto-Pathological Society of Japan*): c/o National Institute of Agricultural Sciences, Kita-ku, Tokyo; f. 1916; 1,520 mems.; Pres. Teinosuke Kawamura.

Nippon Shokubutsu Gakkai (*Botanical Society of Japan*): Department of Botany, Faculty of Science, University of Tokyo; f. 1882; 1,539 mems.; Pres. Tomo Miwa; publ. *Botanical Magazine* (monthly).

Nippon Zoen Gakkai (*Japanese Institute of Landscape Architects*): c/o Faculty of Agriculture, The University of Tokyo; f. 1924; 900 mems.; Pres. Tatsuo Moriwaki.

Nogyo-Doboku Gakkai (*Agricultural Engineering Society of Japan*): Faculty of Agriculture, University of Tokyo; f. 1929; 7,000 mems.; Pres. Prof. Hitoshi Fukuda; publ. *Journal* (monthly), *Transactions* (quarterly).

Nogyo-Kikai Gakkai (*The Society of Agricultural Machinery*): c/o Institute of Agricultural Machinery, Konosushi, Saitama Prefecture; f. 1937; 1,500 mems.; Pres. Fusanobu Shoji; publ. *Journal* (quarterly).

Sapporo Norin Gakkai (*Sapporo Society of Agriculture and Fisheries*): Faculty of Agriculture, Hokkaido University; f. 1908; 700 mems.; Pres. Uchida Toichi; publ. *Journal* (annual).

Shokubutsu Bunrui Chiri Gakkai (*Phytogeographical Society*): Botanical Institute, Faculty of Science, Kyoto University; f. 1932; 340 mems.; Pres. Shiro Kitamura.

Suisan Gakkai (*Scientific Fisheries Association*): Faculty of Agriculture, University of Tokyo; f. 1915; activities suspended since 1950; Pres. Ikusaku Amemiya.

Tottori Nogakkai (*Tottori Society of Agricultural Science*): Tottori University, Tottori; f. 1926; 1,200 mems.; Pres. Tnetomo Havashi; publ. *Transactions*.

Wood Research Institute: Kyoto University, Kyoto; f. 1944; Dir. Prof. Tsuneo Kishjima.

Anthropology, Archæology, Palæontology

Nihon Kokogakkai (*Archæological Society of Japan*): c/o Tokyo National Museum, Ueno Park, Daito-ku, Tokyo; f. 1895; Pres. Dr. Yoshito Harada; publ. *Kokogaku Zasshi* (quarterly).

Nippon Jinruigaku Kai (*Anthropological Society of Nippon*): Department of Anthropology, Faculty of Science, University of Tokyo, Bunkyo-ku, Tokyo; f. 1884; 424 mems.; Pres. Kotondo Hasebe; publ. *Journal* (quarterly).

Nippon Koseibutsu Gakkai (*Palæontological Society of Japan*): c/o Geological Institute, Faculty of Science, University of Tokyo; f. 1935; 440 mems.; Pres. Kiyoshi Asano; publs. *Transactions and Proceedings* (quarterly), *Fossils*, special papers (occasional).

Nippon Minzokugaku Kyokai (*Japanese Society of Ethnology*): 132 Shimohoya, Hoya-machi, Kitatama-gun, Tokyo; f. 1935; 700 mems.; Pres. Keizo Shibusawa; Dir. Masao Oka; Editor Nobuhiro Matsumoto; publ. *Minzokugaku-Kenkyu* (Japanese Journal of Ethnology) (quarterly).

Chemistry

Institute for Chemical Research: Kyoto University; f. 1926; Dir. Prof. Rempei Gotoh.

Kokusai Saibo Gakkai: c/o Botanical Institute, Faculty of Science, University of Tokyo; f. 1929; 950 mems.; Pres. Yosito Sinoto; publ. *Cytologia*—International Journal of Cytology (quarterly).

Nihon Kessyo—gaku Kai (*The Crystallographic Society of Japan*): c/o Mineralogical Institute, Faculty of Science, University of Tokyo; f. 1949; 550 mems.; Pres. Shiro Ogawa; publ. *Journal* (three times a year).

Nippon Butsuri-Kagaku Kenkyukai (*Physico-Chemical Society of Japan*): Faculty of Science, Kyoto University; f. 1926; 360 mems.; Pres. Shinkichi Horiba; *Review of Physical Chemistry of Japan*.

Nippon Kagaku Kenkyukai (*Japanese Chemical Abstracting Society*): 187 Higashi-3-bancho, Sendai, Miyagi Prefecture; f. 1926; 1,794 mems.; Pres. Shin-ichiro Fujise; publ. *Nippon-Kagaku-Soran* (monthly).

Nippon Kagakukai (*Chemical Society of Japan*): 5, 1-chome, Surugadai, Kanda, Chiyoda-ku, Tokyo; f. 1948; 20,000 mems.; Pres. Toyoroku Ando; Hon Sec. Yonezo Morino; publs. *Kagaku to Kogyo* (monthly), *Nippon Kagaku Zasshi* (monthly), *Kogyo Kagaku Zasshi* (monthly), *Bulletin* (monthly).

Nippon Shio Gakkai (*The Society of Salt Science, Japan*): c/o Central Research Laboratory, Japan Monopoly Corporation, Shinagawa-ku, Tokyo; f. 1950; 705 mems.; Pres. Misuo Kubota.

Yogyo Kyokai (*Ceramic Association of Japan*): 7 Shibanishikubo-sakuragawa-cho, Minato-ku, Tokyo; f. 1891; 3,350 mems.; Pres. Toshiyoshi Yamanouchi; publs. *Journal of the Ceramic Association, Japan Ceramic Statistical Monthly*.

Cultural Science

Bunka Kagaku Kenkyukai (*Cultural Science Research Institute*): Chuo University, Tokyo; Pres. Hideo Ichikawa.

Chugoku Kenkyujo (*China Research Institute*): 4-2 Kudan, Chiyoda-ku, Tokyo; f. 1946; Pres. Yoshitaro Hirano; publs. *Bulletin* (annual), *China Year-Book* (yearly), *Report of Chinese Economy* (quarterly), *China Research Information* (monthly), *Asia Economic Bulletin* (three times a month).

Institute of Eastern Culture (*Tôhô Gakkai*): 2, 2-chome, Nishi Kanda, Chiyoda-ku, Tokyo; Chair. Prof. Kojiro Yoshikawa.

Jimbun Kagaku Kenkyusho (*Research Institute of Humanistic Studies*): 47 Kitashirakawa-Higashi-Oguracho, Sakyô-ku, Kyoto (Sakyô); f. 1939; attached to Kyoto University; Pres. Shikazô Mori; the Institute is divided into three sections, dealing with Japanese, Oriental, and Western Culture; publs. *Jimbun Gakuhô, Tôhô Gakuhô, Annual Bibliography of Oriental Studies, Social Survey Reports, Zinbun*; library: *see* Libraries.

Nijusseiki Kenkyujo (*Twentieth Century Research Institute*): c/o Iwanami Bookshop, 2-3 Hitotsubashi, Kanda, Chiyoda-ku, Tokyo; f. 1946; 20 mems.; Pres. Ikutaro Shimizu.

Okurayama Bunka Kagaku Kenkyujo (*Okurayama Research Institute for Cultural Science*): Okurayama, Futoo-machi, Kohoku-ku, Yokohama; f. 1923; Pres. Yasaburo Shimonaka.

Tokyo Shina Gakkai (*Tokyo Sinological Society*): Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1897; Pres. Seiichi Uno; publ. *Tokyo Shinagaku-ho*.

Toyo Bunka Kenkyusho (*Institute for Oriental Culture*): The University of Tokyo; 56 Otsuka-machi, Bunkyo-ku, Tokyo; f. 1941; Dir. Zichi Oguchi.

ECONOMICS, SOCIOLOGY, STATISTICS, ACCOUNTANCY

Foreign Affairs Association of Japan: Togyo Kaikan, 7, 1-chome, Yuraku-cho, Chiyoda-ku, Tokyo; f. 1932; Rep. HELEN M. UNO; publ. *Contemporary Japan* (quarterly), *Japan Year Book*.

Hitotsubashi Daigaku Keizai Kenkyujo: (*The Institute of Economic Research, Hitotsubashi University*): Kunitachi-machi, Tokyo; f. 1964; 57 mems.; library of 111,600 vols.; Dir. RYOTARO IOCHI; publs. *Economic Review* (quarterly), *Economic Research Series* (irreg.).

Institute of Asian Economic Affairs (*Ajia Keizao Kenkyusho*): 42 Honmura-cho, Ichigaya, Shinjuku-ku, Tokyo, Japan; f. 1958; 175 mems.; Chair. ATARU KOBAYASHI; Pres. SEIICHI TOBATA; Dirs. MASAKAZU SHIBUSAWA, HIDEO TAJIMA; Acting Chief, Gen. Affairs Division MASAKAZU SHIBUSAWA; Chief, Gen. Service Affairs Division NOBUYUKI FUJISAKI; Chief, Library Service Division SADAYOSHI SAKATA; Chief, Research Service Division JIRO NISHIKAWA; Chief, Research Division TAKEHARU SASAMOTO; Chief, Economic Growth Research Department MINORU YOSHIDA; Chief, Current Affairs Department MASARU KAJITA; Chief, Statistics Department ETSURO OIZUMI; library of 35,000 vols.; publs. *Ajia Keizai* (monthly); *Developing Economies* (in English, quarterly). Research Report Series, Asian Economic Study Series, Translation Series (irregularly), Catalogue (annual), Accessing List, (monthly), Selected Periodicals Index (monthly), Bibliographies (irregularly).

Institute of World Economy: 3, 1-chome, Nagata-cho, Chiyoda-ku, Tokyo; f. 1941; 30 mems.; Pres. SETSUZO SAWADA; Man. Dir. NOBUTANE KIUCHI; library of 20,000 vols.; publs. *World Economy* (monthly), *Study on Africa, Study on Latin America, Taiwan Today, Study on Canada* (all in Japanese).

Japan Society for the Study of Economic Policy: Hosei University, Fujimi-cho, Chiyoda-ku, Tokyo; f. 1940.

Keiri Kenkyujo (*Accountancy Institute*): f. 1885; Dir. TETSUZO OHTA; publ. *Accountants Forum* (monthly).

Kobe Daigaku Keizai Keiei Kenkyujo (*Research Institute for Economics and Business Administration, Kobe Univ.*): Rokkodai, Nada-ku, Kobe; f. 1919; 45 mems.; library of 80,000 vols.; Dir. MINORU BEIKA; Sec. TEIJI NAKAYAMA; publs. *Annual Report on Economics and Business Administration, Kobe Economic and Business Review* (English) (annual), *Kobe Economic and Business Research Series* (English (annual), *Kokumin Keizai Zasshi* (monthly).

Kokka Gakkai (*Association of Political and Social Sciences*): Faculty of Law, Tokyo University; f. 1885; Pres. SHIGERU NAMBARA; publ. *Kokka Gakkai Zasshi*.

Mitsubishi Keizai Kenkyusho (*Mitsubishi Economic Research Institute*): 1 Nagata-cho 1-chome, Chiyoda-ku, Tokyo; f. 1932; 49 mems.; Chair. SHIN'ICHI TAKASUGI; Pres. ICHIRO MACHIDA; publs. *Survey of Economic Conditions in Japan* (in English; monthly), *Analysis of Business Results of Japanese Companies* (Japanese; semi-annually), *Monthly Review* (in Japanese), *Quarterly Bulletin of Economic Research* (in Japanese); *see also* under Libraries.

Nihon Keiei Gakkai (*Japanese Society for the Study of Business Administration*): Hitotsubashi University; f. 1926; Pres. SOTARO TAKASE.

Nihon Sangyokeizai Kenkyushisetsu (*Research Institute for Japanese Economy*): Faculty of Economics, Tokyo University; f. 1963; Dir. KOICHIRO SUZUKI.

Nihon Tokei Gakkai (*Japan Statistical Society*): Tokyo-to, Shinzuku-ku, Wakamatsu-cho; f. 1931; 577 mems.; Pres. TAKUMA TERAO; publ. *Bulletin of the Japan Statistical Society*.

Nihon Zaisei Gakkai (*Japanese Association of Fiscal Science*): Hitotsubashi University, Kunitachi, Tokyo; f. 1940; 195 mems.

Nippon Shakai Gakkai (*Japanese Sociological Society*): Department of Sociology, Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1923; 1,000 mems.; Pres. TAKASHI KOYAMA; publ. *Shakaigaku Hyóron* (Japanese Sociological Review; quarterly).

Nippon Tokei Kyokai (*Japanese Statistical Association*): Bureau of Statistics, Wakamatsu-cho, Shinjuku, Tokyo; f. 1944; Pres. KOTARO FUJIMOTO.

Ohara Shakai Mondai Kenkyusho (*Ohara Institute for Social Research*): Hosei University, 1 3-chome, Fujimicho, Chiyoda-ku, Tokyo; f. 1919; 13 mems.; library of 15,000 vols.; Pres. SAMEZO KURUMA; publ. *The Labour Yearbook of Japan*.

Riron Keizai Gakkai (*Association of Theoretical Economics*), c/o Hitotsubashi University, Kunitachi; f. 1934, 147 mems.; Pres. ICHIRO NAKAYAMA, ISAMU YAMADA; YUKIO KITANO.

Rôdô Kagaku Kenkyusho (*Japanese Institute of Labour Science*): 1226, 2-chome, Soshigaya, Setagaya-ku: Tokyo; f. 1921; sections: physiology, biochemistry, pathology, hygiene, psychology, economics, agricultural economics, seamen's labour; Chair. of Board of Dirs. TATSUO MORITO; Dir. of Research HAJIME SAITO, M.D.; publs. *Rôdô Kagaku* (Journal of Science of Labour; monthly), *Rôdô no Kagaku* (Digest of Science of Labour; monthly), *Reports of the Institute for Science of Labour* (semi-annually), *Reports* and *Monographs*.

Shakai Kagaku Kenkyujo (*Institute of Social Science*): University of Tokyo; f. 1946; Dir. TORU ARIIZUMI.

Shakai Keisai Kenkyujo (*Institute for Social and Economic Problems*): 505 Nukui, Koganei-machi, Kitatama-gun, Tokyo; Dir. MITSUGU TANAKA.

Shiryo Hensanjo (*Historiographical Institute*): The University of Tokyo; f. 1869; Dir. RIZO TAKEUCHI.

Tokyo Daigaku Keizai Gakkai (*Society of Economics*): Faculty of Economics, University of Tokyo; f. 1922; 900 mems.; Pres. KOICHIRO SUZUKI; publ. *Journal of Economics* (quarterly).

EDUCATION, DOCUMENTATION, DRAMA

Gakujitsu Bunken Fukyukai (*Association for Science Documents Information*): c/o Tokyo Institute of Technology. Ookayama, Meguroku, Tokyo; f. 1933; 800 mems.; Pres. TAKU UEMURA; publs. *Raag Memoirs of the Unifying Study of Basic Problems in Engineering and Physical Sciences by means of Geometry* (English) (annual), *Abstracts, Polymer Science* (Japanese) (monthly), *Reports on Progress in Polymer Physics in Japan* (English), *Earthquake Resistant Regulations—A World List*.

Kokuritsu Kyoiku Kenkyusho (*National Institute for Educational Research*): 284 Chojamaru Kamiosaki, Shinagawa-ku, Tokyo; f. 1948; library of 167,679 vols.; research into educational methods, curricula and systems; centre for advice on educational problems; Dir. MASUNORI HIRATSUKA; Librarian T. HARADA; publ. *Bulletin*.

Nihon Gakko-hoken Gakkai (*The Japanese Society of School Health:* Faculty of Education, University of Tokyo; f. 1954; 600 mems.; Pres. JUSHIN KURITAMA; publ. *The Japanese Journal of School Health* (monthly).

Nihon Kyoikugakkai (*The Japanese Society for the Study of Education*): Faculty of Education, University of Tokyo; f. 1941; 1,400 mems.; Pres. TOKIOMI KAIGO; publ. *The Japanese Journal of Educational Research* (quarterly).

Nihon Kyoiku-shakai Gakkai (*The Japan Society for the Study of Educational Sociology*): Faculty of Education, University of Tokyo; f. 1949; 430 mems.; Pres. TATSUMI MAKINO; publ. *The Journal of Educational Sociology* (annual).

Nihon Kyoiku-shinri Gakkai (*The Japanese Association of Educational Psychology*): Faculty of Education, University of Tokyo; f. 1953; 1,300 mems.; Pres. ARATA YODA; publ. *The Japanese Journal of Educational Psychology* (quarterly), *The Annual Report of Educational Psychology in Japan.*

Noh-Play Institute of Hosei University (*Toyoichiro Nogami's Memorial Institute for Noh-Play Research*): Hosei University, 1–3 chome, Fujimicho, Chiyoda-ku, Tokyo; f. 1952; 4 mems.; library of 6,000 vols.; Pres. TETSUZO TANIKAWA; publ. *Catalogue Noh-Play Collections.*

ENGINEERING, ARCHITECTURE

Disaster Prevention Research Institute: Kyoto University; f. 1951; Dir. TOJIUO ISHIHARA.

Doboku-Gakkai (*Japan Society of Civil Engineers*): 1-chome, Yotsuya Shinjuku-ku, Tokyo; f. 1914; 21,358 mems.; Pres. SABURO OKABE, Man. Dir. IWAO HADA; publs. *Journal of the Japan Society of Civil Engineers, Transactions* (monthly), *Civil Engineering in Japan, Coastal Engineering in Japan* (in English) (annual).

Denki Gakkai (*Institute of Electrical Engineers of Japan*): 3, 1-chome, Yurakucho, Chiyoda-ku, Tokyo; f. 1888; 15,000 mems.; 9 brs.; Pres. SHIGENORI HAYASHI; publs. *Journal of the Institute of Electrical Engineers of Japan* (monthly), *Electro-Technical Journal of Japan* (quarterly).

Engineering Research Institute: Kyoto University; f. 1941; Dir. Prof. MASAO HORIO.

Keisoku Jidoseigyo Gakkai (*Society of Instrument and Control Engineers*): Faculty of Engineering, University of Tokyo; f. 1962; 3,000 mems.; Pres. MIYAJI TOMOTA; publ. *Journal* (monthly).

Kenchiku Gakkai (*Institute of Japanese Architects*): Tokyo-to, Chuo-ku, Ginza Nishi 3-1; Pres. TACHU NAITO.

Kogyo Kayaku Kyokai (*The Industrial Explosive Society of Japan*): Faculty of Engineering, The University of Tokyo; f. 1939; 790 mems.; Pres. GINJIRO YOSHIDA; publ. *Journal* (bi-monthly).

Nihon Kikai Gakkai (*Japan Society of Mechanical Engineers*): Nihon Kikaku Kyokai Bldg., 89 Akasaka Hitotsugi-cho, Minato-ku, Tokyo; f. 1897; 39,946 mems.; Pres. TAKEICHI MATSUNO; publs. *Yearbook, Journal, Transactions* (monthly), *Bulletin* (in English, quarterly).

Nihon Kogakkai (*Engineering Society of Japan*): No 11, 1-Chome, Sakuma-cho, Kanda Chiyoda-ku, Tokyo.

Nihon Koku Gakkai (*Japan Society for Aeronautical and Space Sciences*): c/o Hiko Kan 3, 1-chome, Shiba Tamura-cho, Minato-ku, Tokyo; f. 1934; re-organised 1953; 1,750 mems.; Pres. MATAO SANUKI; publs. *Journal, Transactions.*

Nippon Kasai Gakkai (*The Fire Prevention Society of Japan*): Faculty of Engineering, The University of Tokyo; f. 1951; 986 mems.; Pres. YOSHIKAZU UCHIDA; publs. *Fire, Journal* (both quarterly).

Nippon Kenkikai (*Japanese Association of Electricians*): Tokyo-to, Chiyoda-ku, Yurakucho, 1-3 (Denki Kurabu); Pres. SHOJI ARAI.

Nippon Kinzoku Gakkai (*Japan Institute of Metals*): 69 Minamimachi, Sendai; f. 1937; 11,500 mems.; Pres. TAKESHI AKASAKA; publs. *Journal* (monthly), *Bulletin* (monthly), *Transactions* (quarterly, in English).

Nippon Tekko Kyokai (*Iron and Steel Institute of Japan*): Japan Travel Bureau Building, 1 Marunouchi 1-chome, Chiyoda-ku, Tokyo; f. 1915; 8,900 mems.; Pres. MASAO YUKAWA; Vice-Pres. MASAO SERIZAWA, SEITA SAKUI; publs. *Tetsu-to-Haganè* (Iron and Steel—monthly), *Tetsu-to-Haganè Overseas* (quarterly).

Nippon Yukagaku Kyokai (*Japan Oil Chemist Society*): Faculty of Engineering, The University of Tokyo; f. 1951; 2,000 mems.; Pres. TSUTOMO KUWATA; publ. *Journal* (monthly).

Oyo-buturi Gakkai (*Japan Society of Applied Physics*): Faculty of Engineering, The University of Tokyo; f. 1932; 5,000 mems.; Pres. GUNJI SHINODA; publ. *Journal* (monthly).

Seiki Gakkai (*Japan Society of Precision Engineering*): Faculty of Engineering, The University of Tokyo; f. 1933; 3,600 mems.; Pres. YASUO AOKI; publ. *Journal* (monthly).

Seisan Gijutsu Kenkyusho (*Institute of Industrial Science*): The University of Tokyo; 10 Shinryudo-cho, Azabu Minato-ku, Tokyo; f. 1949; Dir. Prof. Dr. SHUNZO OKAMOTO.

Shomei Gakkai (*Illuminating Engineering Institute of Japan*): Tokyo-to, Chiyoda-ku, Yurakucho 1-3; f. 1916; 3,130 mems.; Pres. SHINJI TOGO; publ. *Shomei Gakkai Zasshi* (Journal of the Illuminating Engineering Institute).

Uchu Koku Kenkyusho (*Institute of Space and Aeronautical Science*): University of Tokyo, Komaba, Meguro-ku, Tokyo; f. 1964; advanced rocket and space research programmes; Dir. NOBORU TAKAGI.

Zosen Kiokai (*Society of Naval Architects*): No. 11 1-chome, Sakuma-cho, Kanda Chiyoda-ku, Tokyo; f. 1897; 3,300 mems.; Pres. MASAO YOSHIKI; publs. *Journal of Zosen Kiokai* (twice yearly), *Zosen Kiokai-shi* (monthly).

GEOGRAPHY, GEOLOGY

Chigaku Dantai Kenkyu-kai (*The Association for Geological Collaboration*): 3-516, Zôshigaya, Toshima-ku, Tokyo; f. 1947; 1,000 mems.; Pres. SATORU UOZUMI; Sec. Mrs. SHOKO SHIMADA; publs. *Geologoj Demokratiaj* (monthly), *Earth Science* (twice monthly), *Cenoizoc Research* (irregular), *Monograph* (irregular), *Earth Science Series* (irregular).

Jishin Kenkyusho (*Earthquake Research Institute*): The University of Tokyo; f. 1925; Dir. TAKAHIRO HAGIWARI; publ. *Bulletin* (quarterly).

Nihon Chiri Gakkai (*Association of Japanese Geographers*): Department of Geography, Faculty of Science, University of Tokyo; f. 1925; 2,000 mems.; Pres. YOKICHI ICHIKAWA; publ. *Geographical Review of Japan* (monthly).

Nippon Chishitsu Gakkai (*Geological Society of Japan*): Faculty of Science, University of Tokyo; f. 1893; 2,159 mems.; Pres. TAKEO WATANABE; publ. *Journal* (monthly).

Nippon Ganseki Kobutsu Kosho Gakkai (*Japanese Association of Mineralogists, Petrologists and Economic Geologists*): Faculty of Science, Tohoku University; f. 1930; 1,300 mems.; Pres. MANJIRO WATANABE; publ. *Journal* (fortnightly).

Nippon Seibutsuchiri Gakkai (*Biogeographical Society of Japan*): c/o The National Science Museum, Uyeno Park, Taito-ku, Tokyo; f. 1928; 300 mems.; Pres. YAICHIRO OKADA; publs. *Bulletin, Biogeographica.*

Tokyo Chigaku Kyokai (*Tokyo Geographical Society*): 12 Nibancho, Chiyoda-ku, Tokyo; f. 1879; 596 mems.; Pres. MORITATSU HOSOKAWA; publ. *Journal of Geography* (bi-monthly).

HISTORY, FOLKLORE, ART

Academy of Japanese History: Kokugakuin University; f. 1910; publ. *Kokushigaku* (Journal of Japanese History).

Folklore Society of Japan: c/o Mrs. T. Noda, 2-12 Nishio-gikubo, Suginami-ku, Tokyo; f. 1958; publ. *Nihon-Minzokugaku-Kaiho* (Bulletin of the Folklore Society of Japan).

Institute of Art Research: Ueno Park, Taito-ku, Tokyo; f. 1930; 45 mems.; library of 53,000 vols.; Dir. I. TANAKA; publ. *Bisutsu Kenkyu* (Journal of Art Studies) (every two months), *The Year-Book of Japanese Art.*

Shigaku-kai (*Historical Society of Japan*): University of Tokyo, Hongo; f. 1889; Pres. TATSURO YAMAMOTO; publ. *Shigaku-Zasshi* (Historical Journal of Japan).

INTERNATIONAL CULTURAL INSTITUTES

American Cultural Centres: Yakuin Horibata 11–1, Fukuoka; 1 Shimonaka-cho, Hiroshima; Honda machi, Kanazawa; 3 Oji-cho, Nada-ku, Kobe; Sanjo Karasuma Nishi, Nakagyo Ku, Kyoto; 21, 1-chome Nakai-chiba-cho, Naka-ku, Nagoya; Shoko Fukushi Kaikan, Kami Okawamaedori, Niigata; Sankei Kaikan Bldg., 27, Umeda-cho, Kita-ku, Osaka; West 1, North 1, Sapporo; Saito Hoon Kaikan, 3-banchi, Taishoji Uramon-dori, Sendai; 12 Shiba Park, Minato-ku, Tokyo; No. 4, Yamashita-cho, Naka-ku, Yokohama.

British Council, The: Suzuki Building, 13 Samon-cho, Shinjuku-ku, Tokyo; Rep. E. W. F. TOMLIN, O.B.E.; also at c/o Applied Science Research Institute, 9, Tanaka-Oi-cho, Sakyo-ku, Kyoto; Dir. F. H. KING.

Deutsches Kulturinstitut: Minato-ku, Akasaka, Daimachi 2, Tokyo.

Institut Franco-Japonais de Tokyo: 15 Funagawara-cho, Ichigaya, Shinjuku-ku; f. 1951; Dir. M. PINGUET; Sec. J. GONTIER.

Istituto Italiano di Cultura: 4 Sanbancho, Chiyoda-ku, Tokyo; Pres. Prof. GUISEPPE TUCCI; Dir. Prof. DOMENICO GHIO.

LAW

Hogaku Kyokai (*Law Society*): Faculty of Law, University of Tokyo; f. 1884; 600 mems.; Pres. MASAHATA KUBO; publ. *Hogaku Kyokai Zasshi.*

Hosokai (*Lawyer's Association*): 1, 1-chome, Kasumigaseki, Chiyoda-ku, Tokyo; f. 1891; 20,000 mems.; library of 30,000 vols.; Pres. KOTARO TANAKA; Dir. KOSATO SEKINE; publ. *Hoso Jiho.*

Japan Association of Private Law: Faculty of Law, University of Tokyo; f. 1948; Pres. TAKEO SUZUKI; publ. *Shiho* (Journal of Private Law).

Japan Maritime Law Association: 5-chome, Tamura-cho, Minato-ku, Tokyo; f. 1901.

Kokka Gakkai (*Association of Political and Social Sciences*): Faculty of Law, University of Tokyo; f. 1887; Pres. SHIGERU NANBARA; publ. *Kokka Gakkai Zassi* (Journal of the Association of Political and Social Sciences).

Kokusaiho Gakkai (*Association of International Law*): Faculty of Law, University of Tokyo; f. 1897; Pres. HIDEBUMI EGAWA; publs. *Kokusaiho Gaiko Zasshi, Journal of International Law and Diplomacy.*

Nihon Hikakuho Kenkyusho (*Japanese Institute of Comparative Law*): Chou University, Tokyo; f. 1948; Pres. KIHEI MASUMOTO; Vice-Pres. (Vacant); publ. *Comparative Law Review* (quarterly).

LITERATURE, PHILOLOGY

Gengo Bunka Kenkyujo (*Research Institute for Linguistic Culture*): 38 Nampeidai-machi, Shibuya Ku, Tokyo; Pres. NAOE NAGANUMA.

Gogaku Kyoiku Kenkyujo (*Institute for Research in Language Teaching*): 108 Central Corporus, 15 Ageba-cho, Shinjuku-ku, Tokyo; f. 1922 as the Institute for Research in English Teaching; Pres. SANKI ICHIKAWA, D.LITT., F.R.S.L.; Dir. HAROLD E. PALMER.

Japan P.E.N. Club: P.O. Box 586, Tokyo Central; (c/o Asahi Shimbun, Yurakucho, Tokyo); Gen. Sec. YOKO MATSUOKO.

Kokugogakkai (*Society for Japanese Philology*): Faculty of Letters, University of Tokyo; f. 1944; 1,000 mems.; Pres. MOTOKI TOKIEDA; publ. *Studies in the Japanese Language* (quarterly).

Nihon Dokubungakkai (*Japanese Society of German Literature*): Faculty of Letters, University of Tokyo; 1,150 mems.; Pres. Dr. TOMIO TEZUKA; publ. *Doitsu Bungaku,* (German Literature) (twice yearly).

Nihon Eibungakkai (*English Literary Society of Japan*): Faculty of Letters, University of Tokyo; f. 1917; Pres. MASAO HIRAI; publ. *Studies in English Literature,* (three times a year).

Nihon Esperanto Gakkai (*Japanese Esperanto Society*): Hongo 2-2-14, Bunkyo-ku, Tokyo; f. 1919; 2,400 mems.; Pres. SEIHO NISHI; Sec. SIHEI MIYAKE; publ. *La Revuo Orienta* (monthly).

Nihon Furansu-go Furansu-bungaku-kai (*Japenese Society of French Language and Literature*): Nichi-futsu Kaikan (Maison Franco-Japonaise), Tokyo; f. 1946, reorganised 1962; 700 mems.; Pres. SHINTARO SUZUKI; publ. *Studies in French Language and Literature* (three times a year).

Nippon Gengogakkai (*Linguistic Society of Japan*): Faculty of Letters, University of Tokyo; f. 1938; 530 mems.; Pres. IZURI SHIMMURA; publ. *Gengo Kenkyu* (Journal of the Linguistic Society of Japan).

Nippon Romazikai (*Japanese Society for Roman Letters*): Yosida Honmati 27, Kyoto; f. 1910; Pres. AKABORI SIRO; publ. *Romazi Sekai* (The World of Roman Letters).

Shimbun Kenkyusho (*Institute of Journalism*): University of Tokyo; f. 1949; Dir. KEIICHI TONOKI.

MATHEMATICS

Nippon Sugaku Kai (*Mathematical Society of Japan*): c/o Faculty of Science, University of Tokyo; f. 1877, reorganised 1946; 2,300 mems.; Pres. Prof. KOSAKU YOSHIDA; Sec. Prof. SHOKICHI IYANAGA; publs. *Journal, Sugaku* (both quarterly).

Nippon Sugaku Kyoikukai (*Japan Society of Mathematical Education*): c/o Tokyo University of Education, Otsuka Kubomachi, Bunkyo-ku, Tokyo; f. 1919; 7,150 mems.; publs. *Journal of Japan Society of Mathematical Education* (monthly), *Reports of Mathematical Education* (bi-annual).

Research Institute for Mathematical Sciences: Kyoto University, Kyoto; Dir. MASUO HUKUHARA.

MEDICINE

Densenbyo Kenkyusho (*Institute for Infectious Diseases*): The University of Tokyo; Shiba Shirokane-daimachi Minato-ku, Tokyo; f. 1892; Dir. AYAO YAMAMOTO.

Nihon Fujinka Gakkai (*Japanese Obstetrical and Gynæcological Society*): 5, 2-chome, Kanda-Surugadai, Chiyoda-ku, Tokyo; Pres. GEN-ICHI OGAWA.

Nihon Ganka Gakkai (*Japanese Ophthalmological Society*): No. 5 2-chome, Kanda-Surugadai, Chiyoda-ku, Tokyo (Nihon Ishikaikan); f. 1897; Chief Man. MISAO UEMURA.

Nihon Geka Gakkai (*Japanese Surgical Society*): c/o Nihon Ishikai Kaikan 5, 2-chome, Surugadai, Kanda, Chiyoda-ku, Tokyo; f. 1899; 12,500 mems.; Pres. NOBUKATSU SHIMADA.

Nihon Hifuka Gakkai (*Japanese Dermatological Association*): Department of Dermatology, Faculty of Medicine, University of Tokyo; f. 1900; 1,800 mems.; Chief Dir. TARO KAWAMURA.

Nihon Hinyokika Gakkai (*Japanese Urological Society*): Department of Urology, Faculty of Medicine, University of Tokyo; f. 1912; 1,800 mems.; Chief Dir. HISAO TAKAYASU; publ. *Journal of the Japanese Urological Society* (monthly).

Nihon Hoi Gakkai (*Medico-legal Society of Japan*): Department of Legal Medicine, Faculty of Medicine, University of Tokyo; f. 1914; 600 mems.; Dir. TSUGUO MURAKAMI; publ. *Japanese Journal of Legal Medicine* (bi-monthly).

Nihon Kakuigakkai (*Japan Nuclear Medicine Society*): c/o 2nd Department of Medicine, School of Medicine, University of Tokyo; f. 1963; 817 mems.; Pres. HIDEO UEDA; publ. *Journal of the Japan Nuclear Medicine Society* (quarterly).

Nihon Kokuka Gakkai (*Japanese Stomatological Society*): Department of Oral Surgery, Faculty of Medicine, University of Tokyo; f. 1947; 1,700 mems.; Dir. HAJIME HAYASHI; publ. *Journal of the Japanese Stomatological Society* (quarterly).

Nihon Naika Gakkai (*Japanese Society of Internal Medicine*): Nippon Shinpan Building, 5 Gou, 33 Ban, 3-chome Hongo, Bunkyo-ku, Tokyo; f. 1903; 12,000 mems.; Chief Dir. SHIGEO OKINAKA; publs. *Journal* (monthly in Japanese), *Japanese Journal of Medicine* (quarterly in English).

Nihon Seikagakukai (*Japanese Biochemical Society*): Department of Biochemistry, Faculty of Medicine, University of Tokyo; f. 1923; 2,800 mems.; Pres. OSHIMA YASUYOSHI; Standing Dir. SHIMAZONE NORIO; publs. *Journal of Biochemistry* (English, German and French), *Seikagaku* (Japanese).

Nihon Seiri Gakkai (*Physiological Society of Japan*): Physiological Department, Faculty of Medicine, University of Tokyo; 1,600 mems.; Sec. MATSUDA KOJIRO; publ. *Nihon Seirigaku Zasshi* (Journal of the Physiological Society of Japan) (monthly).

Nihon Seishin Shinkei Gakkai (*Japanese Society of Neurology and Psychiatry*): Neuropsychiatric Clinic, Faculty of Medicine, University of Tokyo; 3,500 mems.; Pres. HARUO AKIMOTO; publs. *Seishin Shinkeigaku Zasshi* (Japanese—monthly), *Psychiatra et Neurologia Japonica* (English—quarterly).

Nihon Shinkei Gakkai (*Japanese Neurological Society*): Faculty of Medicine, University of Tokyo; f. 1960; 2,000 mems.; Chief Dir. SHIGEO OKINAKA; publ. *Clinical Neurology* (monthly).

Nihon Shonika Gakkai (*Societas Paediatrica Japonica*): Koei Building, 78 Hanazono-cho, Shinjuku-ku, Tokyo; f. 1896; 4,300 mems.; Pres. TADAO TAKATSU; publ. *Acta Paediatrica Japonica*.

Nihon Tonyobyo Gakkai (*Japanese Diabetic Society*): Faculty of Medicine, University of Tokyo; f. 1958; 1,200 mems.; Pres. YOSHITO KOBAYASHI; publ. *Journal of the Japan Diabetic Society* (bi-monthly).

Nihon Yakuri Gakkai (*Pharmacological Society of Japan*): Department of Pharmacology, Faculty of Medicine, University of Tokyo; Sec. Dr. S. EBASHI; publ. *Journal*.

Nippon Byorigakkai (*Japanese Pathological Society*): c/o Department of Pathology, Faculty of Medicine, University of Tokyo, Bunkyo-ku, Tokyo; f. 1911; 1,600 mems.; Sec.-Gen. MIYAKE MASASHI; publ. *Acta Pathologica Japonica* (quarterly).

Nippon Gan Gakkai (*Japanese Cancer Association*): c/o Cancer Institute, Nishisugamo, Toshima-ku, Tokyo; f. 1941; 1,700 mems.; Pres. SANJI KISHI; publ. *Proceedings of the Japanese Cancer Association* (annual).

Nippon Jibi-Inkoka Gakkai (*Oto-Rhino-Laryngological Society of Japan*): c/o Kojimachi Mansion, 5-3 Kojimachi, Chiyoda-ku, Tokyo; f. 1893; 4.100 mems.; Pres. JUNICHI SATO; publ. *Journal of the Oto-Rhino-Laryngological Society of Japan* (monthly).

Nippon Kaibo Gakkai (*Japanese Anatomical Association*): Anatomical Department, Faculty of Medicine, University of Tokyo; f. 1893; 1,300 mems.; Pres. NAKAI JUNNOSUKE; publ. *Kaibogaku Zasshi*.

Nippon Kesseigakkai (*Serological Society of Japan*): Department of Serology, Faculty of Medicine, University of Tokyo; f. 1942; 200 mems.; Pres. TOMIO OGATA.

Nippon Naibumppigaku-Kai Tobu-bukai (*Eastern Branch of Japan Endocrinological Society*): Faculty of Pharmaceutical Sciences, University of Tokyo; f. 1954; 770 mems.; Pres. CHOICHIRO OCHIAI; publ. *Endocrinologia Japonica* (quarterly in English, German, French).

Nippon Rai Gakkai (*Japanese Leprosy Association*): c/o Tofu Kyokai, Shinei Building, Uchisaiwaicho, Chiyoda-ku, Tokyo; f. 1927; 355 mems.; Pres. SHUNPEI YAMAMOTO; publ. *La Lepro* (bi-monthly).

Nippon Saikingakkai (*Japanese Bacteriological Society*): Department of Microbiology, Keio University School of Medicine, 35 Shinanomachi, Shinjuku-ku, Tokyo; f. 1927; 1,800 mems.; Gen. Sec. DAIZO USIBHA; publs. *Japanese Journal of Bacteriology*, *Japanese Journal of Microbiology*.

Nippon Seikei Geka Gakkai (*Japanese Orthopædic Association*): c/o Department of Orthopædic Surgery, Faculty of Medicine, University of Tokyo, Bunkyoku, Tokyo; f. 1926; 3,900 mems.; Pres. NISHI SHINSUKE; publ. *Journal of Japanese Orthopædic Association* (monthly).

Nippon Yakugaku-Kai (*Pharmaceutical Society of Japan*): Faculty of Pharmaceutical Sciences, University of Tokyo; f. 1881; 6,100 mems.; Pres. KYOSUKE TSUDA; publs. *Chemical and Pharmaceutical Bulletin* (monthly), *Yakugaku Zasshi* (journal—monthly), *The Journal of Hygienic Chemistry* (quarterly).

Research Institute for Food Science: Kyoto University, Kyoto; f. 1946; investigates the properties and chemical reactions of proteins, vitamins and enzymes; Dir. Prof. Dr. TADAO HATA.

Ronen Igakukai (*Japan Geriatrics Society*): Department of Geriatrics, Faculty of Medicine, University of Tokyo; f. 1959; 1,200 mems.; Pres. SHOICHI YAMAGATA; publ. *Journal of the Japan Geriatric Society* (quarterly).

Tuberculosis Research Institute: Kyoto University, Shogoin-Kawara-machi, Sakyo-ku, Kyoto; f. 1941; Dir. Prof. MASUKAZU NAITO; publs. *Acta Tuberculosea Japonica* (twice yearly; in English), *Kyoto-Daigaku-Kekkaku-Kenkyusho-Kiyo* (twice yearly; in Japanese).

METEOROLOGY, ASTRONOMY, OCEANOGRAPHY

Ikomasan Tenmon Kyokai (*Ikomasan Astronomical Society*): Ikoma-Sanzyo, Ikoma-gun Nara Ken; f. 1942; 750 mems.; Pres. JOE UETA; Sec. H. HAMANE; publ. *Tenmon Kyositu* (Astronomical Class) (monthly).

Kaiyo Kenkyusho (*Ocean Research Institute*): The University of Tokyo, 28, 1-chome, Sakaechodori, Nakano-ku, Toyko; f. 1962; Acting Dir. YOSHIYUKI MATSUE.

Kaiyoo Kisho Gakkai (*Oceanographical and Meteorological Society*): 7-chome, Ikutaku, Kobe; f. 1921; 310 mems.; Pres. TAKEMATSU OKADA; publ. *Sea and Sky* (bi-monthly).

Meteorological Association: c/o Japan Meteorological Agency, Ote-machi, Chiyoda-ku, Tokyo; f. 1950; Pres. ATSUSHI OYA; publs. *Cosmos* (monthly), *Kisho* (monthly).

Nippon Kaiyo Gakkai (*Oceanographical Society of Japan*): c/o Ocean Research Institute, University of Tokyo, 28, 1-chome, Sakaechodori, Nakano-ku, Tokyo; f. 1941; 636 mems.; Pres. KOJI HIDAKA; publ. *Journal of the Oceanographical Society of Japan* (bi-monthly).

Nippon Kisho Gakkai (*Meteorological Society of Japan*): Japan Meteorological Agency, Ote-machi, Chiyoda-ku, Tokyo; f. 1882; *c.* 2,000 mems.; Pres. S. SYONO; publ. *Journal* (bi-monthly).

Nippon Nogyo-Kisho Gakkai (*Society of Agricultural Meteorology of Japan*): c/o Japan Meteorological Agency, Chiyoda-ku, Tokyo; f. 1942; 600 mems.; Pres. YOSHIYASU DAIGO; publ. *Nogyo-Kisho* (Journal of Agricultural Meteorology).

Nippon Tenmon Gakkai (*Astronomical Society of Japan*): Tokyo Astronomical Observatory, Mitaka, Tokyo; f. 1908; 1,800 mems.; Pres. Dr. HIDEO HIROSE; publs. *Astronomical Herald* (monthly), *Publications of the Astronomical Society of Japan* (quarterly).

Tokyo Tenmondai (*Tokyo Astronomical Observatory*): The University of Tokyo, 998 Osawa, Mitaka-shi, Tokyo; f. 1888; Dir. HIDEWO HIROSE.

PHILOSOPHY, PSYCHOLOGY

Bigaku-Kai (*Japanese Society for Aesthetics*): Department of Aesthetics, Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1950; 600 mems.; Pres. TOSHIO TAKEUCHI; publ. *Bigaku* (Aesthetics; quarterly).

Nihon-Indogaku-Bukkyôgakukai (*Japanese Association of Indian and Buddhist Studies*): c/o Department of Indian Philosophy and Sanskrit Philology, Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1951; 1,150 mems.; Pres. SHOSON MIYAMOTO; publ. *Journal of Indian and Buddhist Studies* (Indogaku Bukkyôgaku Kenkyu).

Nihon Oyo Shinri-gakkai (*Japan Association of Applied Psychology*): Psychological Laboratory, Nihon University, Tokyo; f. 1931; Pres. YATARO OKABE (I.C.U.); Sec. MITSUGI HASEGAWA.

Nihon Rinrigakukai (*Japanese Society for Ethics*): Department of Ethics, Faculty of Letters, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1952; Pres. TAKEZO KANEKO; publ. *Rinrigakunenpo* (Annals of the Society for Ethics).

Nihon Shukyo Gakkai (*Japanese Association for Religious Studies*): Department of Science of Religion and History of Religion, Faculty of Letters, University of Tokyo, Bunkyo-ku, Tokyo; f. 1930; Pres. FUMIO MASUTANI; publ. *Journal of Religious Studies*.

Nippon Shinrigakkai (*Japanese Psychological Association*): Faculty of Letters, University of Tokyo, Bunkyo-ku, Tokyo; f. 1927; 2,400 mems.; Pres. ARATA YODA; publs. *Japanese Journal of Psychology* (bi-monthly), *Japanese Psychological Research* (quarterly).

Teiyu Rinrikai (*Society for the Study of Ethics*): 2-chome, Koenji, Suginami-ku, Tokyo; Pres. MASAHARU ANEZAKI

Tetsugaku-kai (*Philosophical Society*): Faculty of Letters, University of Tokyo, Motofuji-cho, Bunkyo-ku, Tokyo; f. 1884; 500 mems.; Pres. JUICHI KATSURA; publ. *Tetsugaku-zasshi* (annual).

Tohoku Daigaku Bungakubu Shinrigaku Kenkyusho (*Tohoku University Institute of Psychological Research*); Tohoku University, Sendai; Pres. SEIRO KITAMURA.

PHYSICS, GEOPHYSICS

Bussei Kenkyusho (*Institute for Solid State Physics*): The University of Tokyo, 10 Azabu, Shinryudo-cho, Minato-ku, Tokyo; f. 1957; Dir. SHIZUO MIYAKE.

Butsuritanko Gijitsu Kyokai (*Japanese Geophysical Exploration Society*): Geological Survey, 135 Hisamoto-cho Kawasakishi, Kanagawa-ken; f. 1948; 670 mems.; Pres. K. SASAKI; publ. *Butsuri-Tanko* (Geophysical Exploration) (quarterly).

Genshikaku Kenkyusho (*Institute for Nuclear Study*): The University of Tokyo, Tanashi-machi, Kitatama-gun, Tokyo; f. 1955; Dir. ITARU NONAKA.

Nihon Sokuchi Gakkai (*Geodetic Society of Japan*): c/o Geographical Survey Institute, 7-1000, Kamimeguro, Meguro-ku, Tokyo; f. 1954; 500 mems.; Pres. TAKAHIRO HAGIWARA; publ. *Journal of the Geodetic Society of Japan* (quarterly).

Nippon Butsuri Gakkia (*Physical Society of Japan*): Hongo P.O. Box 28, Tokyo; f. 1873; 6,348 mems.; Pres. ISAO IMAI; publs. *Nippon Butsuri Gakkaishi* (monthly), *Journal of the Physical Society of Japan* (monthly), *Japanese Journal of Applied Physics* (monthly), *Progress of Theoretical Physics* (monthly).

Nippon Chikyu Denki Ziki Gakkai (*Society of Terrestrial Magnetism and Electricity of Japan*): Geophysical Institute, Faculty of Science, University of Tokyo; f. 1947; 300 mems.; Dir. YOSHIO KATO.

Research Institute for Fundamental Physics: Kyoto University; f. 1953; Dir. Prof. HIDEKI YUKAWA.

Research Reactor Institute: Kyoto University, Kyoto; Dir. KIICHI KIMURA.

Uchu-Butsurigaku Kenkyukai (*Society for Cosmo-Physical Research*): Miyake Building, 8 Nishi-8 Ginza, Chuo-ku, Tokyo; f. 1942; Pres. Dr. TOSHIMA ARAKI.

Uchukoku-Kenkyusho (*Institute of Space and Aeronautical Science*): Komaba, Meguro-ku, Tokyo; attached to University of Tokyo; f. 1964; Dir. NOBORU TAKAGI.

Uchusen Kansokusho (*Cosmic-Ray Laboratory*): The University of Tokyo, Mt. Norikura, Nyukawamura, Ono-gun, Gifu-ken; office c/o Institute for Nuclear Study; f. 1953; Dir. ITARU NONAKA.

Zisin Gakkai (*Seismological Society of Japan*): c/o Geophysical Institute, Faculty of Science, The University of Tokyo, Bunkyo-ku, Tokyo; f. 1929; 470 mems.; Chair. HITOSHI TAKEUCHI; publs. *Zisin* (Journal of the Seismological Society of Japan; quarterly), *Journal of Physics of the Earth* (semi-annually).

ZOOLOGY, ENTOMOLOGY AND ALLIED SCIENCES

Institute for Virus Research: Kyoto University, Kyoto; Dir. NOBORU HIGASHI.

Jikken Keitai Gakkai (*Japanese Society of Experimental Morphology*): Zoological Institute, Faculty of Science, University of Kyoto; f. 1941; 300 mems.; Pres. YÓ K. OKADA; publ. *Journal* (annual).

Nihon Dobutsu Gakkai (*Zoological Society of Japan*): Faculty of Science, University of Tokyo; f. 1878; 1,550 mems.; Pres. HIDEMICHI OKA; publs. *Zoological Magazine* (monthly) *Annotationes Zoologicae Japonenses* (quarterly).

Nippon Cho Gakkai (*Ornithological Society of Japan*): Yamashina's Institute for Ornithology and Zoology, (Yamashina Museum of Birds), 49 Nanpeidai-machi Shibuya-ku, Tokyo; f. 1912; 340 mems.; Pres. YOSHIMARO YAMASHINA; publ. *Tori* (semi-annual).

Nippon Eisei-Konchu Gakkai (*Japanese Society of Medical and Veterinary Entomology*): Research Institute of Natural Resources, 4 Hyakunin-cho, Shinjuku-ku, Tokyo; f. 1943; 150 mems.; Pres. TAKEO TAMIYA.

Nippon Iden Gakkai (*Genetic Society of Japan*): c/o National Institute of Genetics, Misima; f. 1915; 1,288 mems.; Pres. D. MORIWAKI; publ. *Japanese Journal of Genetics* (bi-monthly).

Nippon Kai-Rui Gakkai (*Malacological Society of Japan*): National Science Museum, Ueno Park, Tokyo; f. 1928; 600 mems.; Pres. IWAO TAKI; publ. *Venus* (quarterly).

Nippon Kontyu Gakkai (*Entomological Society of Japan*): c/o Department of Medical Entomology, National Institute of Health, Kamiosaki, Shinagawa-ku, Tokyo; f. 1917; 850 mems.; Pres. KEIZO YASUMATSU; publ. *Kontyu* (quarterly).

Nippon Rikusui Gakkai (*Japanese Society of Limnology*): Otsu Hydrobiological Station, Shimosakamoto, Otsu City, Shiga Prefecture; f. 1931; 380 mems.; Pres. M. UENO; Sec. K. YAMAMOTO; Treas. K. NEGORO; publ. *Japanese Journal of Limnology*.

Oyo Biseibutsu Kenkyusho (*Institute of Applied Microbiology*): The University of Tokyo; f. 1953; 120 mems.; Dir. Kyosuke Tsuda; publs. *Journal of General and Applied Microbiology* (quarterly), *Report* (annual).

Oyo-Dobutsu-Konchu Gakkai (*Society of Applied Entomology and Zoology*): National Institute of Agricultural Sciences, Nishigahara, Kita-ku, Tokyo; f. 1957; 1,350 mems.; Pres Akira Kawada; publ. *Oyo-Dobutsu-Konchugaku Zasshi* (Journal of Applied Entomology and Zoology; quarterly).

Toa Kumo Gakkai (*Arachnological Society of East Asia*): c/o Otemon Gakuin, Higashi-ku, Osaka; f. 1936; 210 mems.; Pres. Dr. T. Fukui; publ. *Acta Arachnologica* (bi-annual).

LIBRARIES

Tokyo

Cabinet Library: within Ote Gate, Imperial Palace Grounds, No. 1 Chiyoda Ward; f. 1884; 500,599 vols.; special collections: Momiji-yama Library, established in Yedo Castle in 1602 by Iyeyasu Tokugawa (74,700 Japanese and Chinese books), and Shohei School Library, attached to the University of Tokugawa Shogunate and established 1630; Librarian Kitaro Takahashi.

Chuo University Library: Chiyoda-ku; f. 1885; over 200,000 vols.

Communications Museum Library: Teishin Hakubutsukan, 3 Fujimi-cho 2-chome, Chiyoda-ku; 50,000 vols.

Fujiyama Industrial Library: f. 1927; donated to Keio University, 1944; 56,400 vols.

Hitotsubashi University Library: Tokyo-to, Kitatama-gun, Kunitachi-machi; f. 1887; 488,273 vols.; Librarian Prof. Yuzo Morita.

Keio University Library: Mita, Shiba, Minato-ku; f. 1912; 455,000 vols.; Chief Librarian Prof. Saku Sato.

Keio University Medical Library (*Kitasato Memorial Library*): Shinanomachi, Shinjuku-ku; f. 1937; 73,000 vols.

Kokugakuin University Library: Wakagi-cho 9, Shibuya; f. 1882; 221,825 vols.; Librarian Prof. Kiyotake Mikanagi; publs. *Kokugakuin Zasshi* (Literary Journal), *Seikei Ronso* (The Journal of the Faculty of Politics, Law and Economics), *Kokugakuin Hogaku* (The Journal of the Faculty of Laws and Politics), *Kokugakuin Daigaku Kiyo* (Transactions of Kokugakuin University).

Kokuritsu Kyoiku Kenkyusho Toshokan (*Library of the National Pedagogic Institute*): 284 Chôjamaru Kamiôsaka, Shinagawa-ku; bibliographical centre.

Komazawa University Library: Komazawa, Setagaya-ku; 81,215 vols.

Library Science Library: Keio University, Japan Library School, Mita; f. 1951; 7,140 vols.; Librarian Ikuko Horiuchi.

Meiji University Library: Surugadai, Kanda-ku; f. 1903; 524,600 vols.; Librarian Masao Shimada.

Mitsubishi Economic Research Institute Library: 3, 1-chome Nagata-cho, Chiyoda-ku, Tokyo; f. 1932; 67,698 vols.; 1,684 periodicals.

National Diet Library: 1-14 Nagata-cho, Chiyoda-ku, Tokyo; f. 1948; deposit library for Japanese publs., and publs. of U.S. Government, UN, UNESCO, ILO, WHO, ICAO, GATT, etc.; international book exchange and information centre of Japan; is divided into seven departments: Administrative, Research and Legislative Reference, Acquisitions, Processing, Circulation, Reference and Bibliography and Interlibrary Services Depts.; consists of the Central Library (2,084,184 vols.), Seikado Library (195,631 vols.), Toyo (Oriental) Library (497,234 vols.) and 30 branch libraries in the Executive and Judicial branches of the Governments (2,381,293 vols.); Chief Librarian Takao Suzuki; Assoc. Librarian Shiro Okabe; publs. *Japanese National Bibliography* (annual), *Japanese Periodicals Index* (monthly), *Current Publications* (weekly), *Bulletin* (monthly), *Union Catalogue of Foreign Books* (annual), *National Diet Library Catalogue* (annual), *Index to the Proceedings of the National Diet*, *Index to the Japanese Laws and Regulations in Force* (annual), *Japanese Economic Indicators* (monthly), *Reference* (monthly), *Statistical Abstracts of Japan* (annual), *Annual Report of the National Diet Library*, *National Diet Library Newsletter* (quarterly in English), *Accession List—Chinese and Korean Language Publication* (bi-monthly), *Materials on Asia and Africa—Accession List and Review* (monthly), *Biblos* (monthly), *Reference* (monthly).

Nihon University Library: Chiyoda-ku, Kanda Misaki-cho; f. 1889; 428,335 vols.; Librarian Satoshi Saito.

Ohashi Library: Kojimachi-ku; f. 1902; 190,200 vols.; Dir. Seiichi Otani.

Oriental Library (*Toyo Bunko*): 147 Kami-Fujimae-cho, Bunkyo; f. 1924; 500,000 vols.; Librarian Hirosato Iwai; publs. *Toyo Gakuho* (quarterly), *Memoirs of the Research Department*, Monographs, Series A. Miscellaneous Series C. (*see also* National Diet library).

Rikkyo University Library: Ikebukuro, Toshima-ku; 115,000 vols.; Librarian Eiichi Banshoya.

Seikado Bunko Library (Branch of the National Diet Library): 912 Okamoto-cho, Setagaya-ku, Tokyo; 187,600 vols. of Chinese and Japanese classics.

Sophia (Jôchi) University Library: Chiyoda-ku, Kioichô; f. 1913; 181,022 vols.; Librarian Aloysius Piovesana.

Tokyo Geijutsu Daigaku Toshokan (*Tokyo University of Arts Library*): Ueno Park, Daito-ku, Tokyo; over 81,386 vols., 562 micro-film reels; also music and gramophone record collections (52,561 scores, 2,923 records); 37,623 exhibits including paintings, sculpture and industrial art of Japan, China and Korea.

Tokyo Metropolitan Hibiya Library: f. 1908; 384,700 vols.; Dir. Kiyoshi Seki.

Tokyo University Library: Motofujicho, Bunkyo-ku; f. 1893; reorganised 1928; 2,900,000 vols.; Dirs. Dr. Y. Ito.

Waseda University Library: Totsuka-machi, Tokyo-to, Shinjuku-ku; 600,000 vols.; Librarian Minoru Harada.

Provinces

Akita Prefectural Library: 69 Higashi-Nekoya-cho, Akita, f. 1899; 150,000 vols.; Librarian Kojiro Inoue.

Doshisha University Library: Kyoto-shi, Kamikyo-ku, f. 1887; 335,820 vols.; Chief Librarian Keizo Muneto.

Hokkaido University Library: Sapporoshi, Sapporo; f. 1918; 411,908 Japanese vols., 339,215 European; Librarian Takeda Shinichi.

Kansai University Library: Osaka-fu, Suita-shi, Senriyama 17; 337,000 vols. in two libraries; Librarian Shinji Okojima.

Kobe City Library: Okurayama, Ikuta, Kobe; f. 1911; 170,000 vols.; Librarian Kakuro Shichi.

Kobe University Library: Rokko Dai-cho, Nada-ku, Kobe; 701,755 vols.; Dir. Dr. Kaoru Yunoki.

Kwansei Gakuin University Library: Uegahara, Nishinomiya-shi, Hyogo-ken; 156,953 vols., nearly half of which are English; Librarian S. Azuma.

Kyoto Prefecture Library: Okazaki Park, Kyoto Shi, Kyoto; f. 1909; 269,034 vols.

Kyoto University Library: Kyoto; f. 1899; 2,129,082 vols.; Librarian Dr. KANETOMO TANAKA.

Kyushu University Library: Hakozaki-machi, Fukuoka City, Fukuoka Prefecture; f. 1911; 1,103,927 vols.; Librarian MICHIO AOYAMA.

Mie Shinto Library: Kushimoto-Machi, Kanda, Ujiyamada, Mie Prefecture; 189,000 vols.; Librarian MASAATSU NOGAMI.

Nagasaki Prefectural Library: 1 Kami-Nishiyama-machi, Nagasaki; f. 1912; 750,000 vols.; Librarian TANEO MORINAGA.

Nagoya City University Library: 1 Kawasumi-cho, Mizuho-ku, Nagoya; f. 1943; 65,823 vols.; Librarian TOHRU OGAWA, M.D.

Nagoya University Library: Furo-cho, Chikusa-ku, Nagoya; 567,000 vols.; Librarian RYUTARO KATO; Sec. GONNAI TAKEII.

Naritasan Cultural Foundation Library: 312 Narita, Narita-Machi, Chiba Pref.; f. 1901; 150,000 vols.; Librarian JIKAI IMAZAWA.

Niigata Prefectural Library: Hakusan Park, Ichiban-bori, Niigata; f. 1915; 180,000 vols.; Librarian MASAI WATANABE.

Niigata University Library: Asahimachidori 1-Bancho, Niigata City; f. 1949; 338,905 vols., 4,493 periodicals; Librarian YUNOSUKE NAKAYAMA.

Osaka Prefectural Library: Nakanoshima, Kita-ku, Osaka; f. 1903; 650,000 vols.; Head Librarian YUKICHI NAKAMURA.

Tennoji Branch: Reijin-cho, Tennoji-ku, Osaka; f. 1950; 100,000 vols.; Librarian YUZO MINAMI.

Osaka City University Library: 459 Sugimoto-Cho, Sumiyoshi-ku, Osaka; f. 1928, re-organised 1949; 594,996 vols.; Dir. KONDO BUNJI.

Osaka University Library: Shibahara, Toyonaka-shi, Osaka-fu; 574,116 vols.; Librarian EIICHI KIMURA.

Otani University Library: Kazusa-Machi, Koyama, Kamifyo-ku, Kyoto; f. 1920; 300,000 vols.; Librarian AKIHIDE MISHINA.

Research Institute for Humanistic Studies Library: 47 Higashi-Oguracho. Kitashirakawa, Sakyo-ku, Kyoto; attached to Kyoto University; 231,655 vols., including a large collection of Chinese Classics; Dir. Prof. SHIKAZO MORI.

Ritsumeikan University Library: Kyoto-shi, Kamikyo-ku, Hirokoji-dori, Tera-machi; f. 1905; 304,212 vols.

Tenri Central Library: Tenri City, Nara; f. 1930; Tenri University Library also open to the public; 703,738 vols.; 45 mems.; Chief Librarian MAKITA TOMINAGA; special libraries: Yorozuvo Library on Christian Missions (Jesuit mission printings in Japan), Kogido Library of Ito Jinsai on Confucian Studies, Wataya Library on Renga and Haikai Works (approx. 20,000 items), Africana Collection (5,137 vols.); publ. *Biblia* (quarterly).

Tohoku University Library: Katahiracho, Sendai, Honshu; f. 1911; 1,103 000 vols., including Kano collection of 108,000 vols. in Japanese and Chinese, the Wundt collection (15,800 vols.), Zeitelmann collection (8,280 vols.). and the Tibetan Buddhist Canons (4,569 vols.); Dir. TAKENOSUKE TAKAGI; medical library at Kitayobancho, Sendai; f. 1915; 129,000 vols.; Dir. TSUGIO MURAKAMI.

Yamaguchi University Library: Kami-Unore, Yamaguchi; f. 1949; 211,000 vols.; Librarian REN ISHIZU.

MUSEUMS AND ART GALLERIES

Museums in Japan, except for a few modern ones in the big cities, take the form of treasure halls, and are usually in the precincts of temples and shrines.

TOKYO CITY

Bridgestone Gallery: Kyobashi, Chuo-ku, Tokyo; private collection by Shojiro Ishibashi of modern Japanese and Western art; Curator SHIN IWASA.

Gotoh Art Museum: No. 111, Kaminoge-cho, Setagaya-ku, Tokyo.

Inokashira Onshi Kóen Shizen Bunkaen (*Natural Science Park in Inokashira Park*): Mitaka-machi, Kitatama-gun; zoo, botanical garden, research room, marine biology room.

Kokuritsu Kagaku Hakubutukan (*National Science Museum*): Ueno Park, Daitö-ku, Tokyo; f. 1931; 96 mems., 488,151 exhibits of natural science and experimental equipment; includes specimens of botany, zoology, geology, physics, chemistry, engineering and astronomy; Dir. Dr. Y. K. OKADA; Chief of Science Divn. Dr. Y. SATAKE; Chief of Information and Education Dept. T. TOMIYASU; Librarian Dr. J. OHWI; publs. *Bulletin, Natural Science and Museums* (Japanese), *Miscellaneous Reports.*

Kótsū Hakubutsukan (*Museum of Transportation*): 25 1-chōme, Kanda-Suda-chō, Chiyoda-ku; f. 1921; 15,000 articles, including locomotives, electric equipment, motor-cars, aircraft, ships, etc.

Meiji Gingū Hómotsuden (*Meiji Shrine Treasure Museum*): Yoyogi, Shibuya-ku; f. 1921; 102 treasures and possessions of Emperor Meiji and 74 objects belonging to Empress Shoken; there is also a Memorial Picture Gallery.

National Museum of Modern Art: 3-chome, Kyobashi, Chuo-ku, Tokyo; collection mainly consists of modern Japanese art works.

National Museum of Western Art: Ueno Park, Daito-ku.

Nezu Art Museum: 6-115 Aoyama Minamlate-cho, Iinato-ku, Tokyo; f. 1940; private collection by Kaichiro Nezu of 7,189 paintings, calligraphy, sculpture, swords, ceramics, lacquer-ware, archæological exhibits; 173 items designated as national treasures; Dir. KAICHIRO NEZU, Jr.

Nippon Mineikan (*Japanese Folk-craft Art Museum*): 861 Komaba-machi, Meguro-ku; 20,000 objects of folk-craft arts from all parts of the world.

Okura Shukokan (*Okura Museum*): Akasaka-Aoicho, Minato-ku; f. 1917; 2,688 articles of fine arts and industrial arts, 30,000 vols. Chinese classics.

Shodó Hakubutsukan (*Calligraphy Museum*): 125 Kaminegishi, Daitō-ku; 1,000 rubbed copies of the stone tablets and "hōjō", ancient texts of calligraphy (10,000 articles).

Teishin Hakubutsukan (*Communications Museum*): 3 Fujimi-cho, 2-chome, Chiyoda-ku; 12,774 exhibits; Curator TAKEO MIYAMOTO.

Tokyo Daigaku Rigakubu Fuzoku Shokubutsuen (*Botanic Gardens of University of Tokyo*): 106 Hakusan-gotenmachi, Bunkyo-ku; f. 1877; Nikko branch f. 1902; 4,000 different kinds of plants; 2,000 in Nikko; library of 3,000 vols.; Dir. Prof. M. MONSI; publ. *List of Seeds* (bi-annually).

Tokyo Kokuritsu Hakubutsukan (*Tokyo National Museum*): Ueno Park, Daitö-ku; f. 1871; 85,000 objects of fine arts, including paintings, caligraphy, sculpture, metal work, ceramic art, textiles, lacquer ware, archæological exhibits, etc.; Dir. NAGATAKE ASANO; publ. *Museum* (monthly).

Tokyo Metropolitan Fine Art Gallery: Ueno Park, Daito-ku.

Tokyo University of Arts Museum: *see under* Tokyo University of Arts Library.

Tokyo Yôseikan (*Yôseikan Art Gallery*): 1 Azabu-Morioka-chō, Minato-ku; 77 frescoes representing scenes from the history of Japan.

Waseda Daigaku Tsubouchi Hakase Kinen Engeki Hakubutsukan (*The Tsubouchi Memorial Theatre Museum, Waseda University*): Waseda University, 1-chome, Totsuka-machi, Shinjuku-ku; f. 1935; 64,980 books on drama and over 150,000 items including wood-block prints, programmes, pictures, costumes, properties, and other equipment used on the stage; Curator KOHEI IIJIMA; publ. *News Bulletin*.

KYOTO CITY

Bukkyô Jidô Hakubutsukan (*Children's Buddhist Museum*), in Maruyama Park, Higashiyama-ku; 14,432 objects of interest in the study of Buddhism, history, geography: science, the fine arts, and old customs.

Chishakuin (*Treasure Hall of the Chishakuin Temple*): Higashi - Kawaramachi, Higashiyama - ku; Buddhist equipment and utensils, old documents, paintings, calligraphs, sutras, and books in Japanese and in Chinese.

Daugoji Reihoden (*Treasure Hall of the Daigoji Temple*). Daigo, Fushimi-ku.

Jishoji (popularly known as **Ginkakuji,** the Silver Temple): Ginkakuji-cho, Sakyo-ku, Kyoto; f. 1483 by Soami, a Shogun of Ashikaga, as twelve separate buildings in the grounds of his villa; only the Ginkaku or Silver Hall, and the Togudo are now left; Curator Rev. G. SUGA.

Kitanojinja Hómotsuden (*Treasure Hall of the Kitano Shrine*): Kitano Shrine, Kamikyō-ku; several hundred art objects, including paintings, calligraphy, lacquer-ware, swords, etc., among which are the "Kitanoengi" Painted Scrolls, an ancient copy of the "Nihon Shoki", and "Tomokiri-maru" (a sword) by Yasutsuna.

Kódaiji (*Treasure House of the Kōdaiji Temple*): Shimo-kawara-machi, Higashiyama-ku.

Kóryūji Reihóden (*Treasure Museum of the Koryuji Temple*): Kóryuji Temple, Uzumasa, Ukyō-ku; f. 1922; Curator EIKO KIYOTAKI.

Kyoto Daigaku Bungakubu Chinretsukan (*Museum of Faculty of Letters, Kyoto University*): Yoshida Honmachi, Sakyō-ku, Kyoto; f. 1911; 63,850 specimens of interest in the study of archæology, history and geography of the Far East, including Japan and China; library of 93,000 vols.; Dir. Prof. JITSUZO TAMURA; publ. *Report upon Archæological Research*.

Kyoto Kokuritsu Hakubutsukan (*Kyoto National Museum*): Higashiyama Shichijo, Higashiyama-ku; f. 1889 as Imperial Kyoto Museum; exhibition rooms opened 1897; re-org. 1900 and 1924; finally in 1952 as National Museum; 54 mems.; 5,503 exhibits including fine art and industrial art exhibits and historical materials of Asia, chiefly of Japan; Dir. ZENRYU TSUKAMOTO; Chief Curator JIRO UMEZU.

Kyoto-shi Bijutsukan (*Kyoto Municipal Museum of Fine Arts*): Okazaki Park, Kyoto; f. 1933 for exhibitions of contemporary arts; the collection of contemporary fine arts object, include 299 Japanese pictures (of which 126 are oils), 28 Japanese sculptures and 47 decorative arts exhibits; Dir. MICHIO SHIGE.

Myóhóin (*Treasure House of the Myōhōin Temple*): Daibutsu Myōhōinmae-machi, Higashiyama-ku; possessions of Tnootomi-Hideyoshi and many other national treasures.

National Museum of Modern Art: Enshoji-machi, Okazaki, Sakyo-ku; branch of Tokyo Museum of same name.

Ninnaji Reihóden (*Treasure Hall of the Ninnaji Temple*): Ninnaji Temple, Omuro Daimon-chō, Ukyō-ku.

Rengeoin (*Treasure House of the Rengeoin Temple*): Daibutsu Myōhōinmae-machi, Higashiyama-ku; "One Thousand Images" and many other Buddhist images.

Rokuonji (*Treasures of the Rokuonji Temple*): Kinkakuji-cho, Kitaku, Kyoto; famed for its garden and gold pavilion.

Shóren-in (*Treasure House of the Shōren-in Temple*): Sanjōbō-machi, Awadaguchi, Higashiyama-ku; f. 1153; Dir. JIKO HIGASHIFUSHIMI; library of 5,000 vols.; rare books, writings, paintings, etc.

Taiten Kinen Kyoto Shokubutsuen (*Kyoto Prefectural Museum Botanical Garden*): Hangi-machi, Shimogamo, Sakyô-ku; 70,000 plants and 5,500 botanical specimens.

Toyokuni Jinja Hómotsuden (*Treasure Hall of the Toyokuni Shrine*): Chayamachi, Higashiyama-ku treasures and possessions of Toyotomi-Hideyoshi, including paintings, painted screens, swords, etc.

Yógen-In (*Treasure Hall of the Yōgen-In Temple*): Sanju-sangendō-mae, Yamato-ōji Shichijō Higashi Iru, Higashiyama-ku.

Yūrinkan (*The Yurinkan Collection*): 44 Okazaki-Enshōji-machi, Sakyō-ku, Kyoto; f. 1926; some 30,000 exhibits of rare antique Chinese fine arts and curios, including bronze and jade ware, porcelain, seals, Buddhist images, pictures, and calligraphy; Curator S. FUJU. The collection is privately owned by the Fuju family.

OSAKA CITY

Electricity Museum: 1-5 Kitadori, Nagahori, Nishi-ku, Osaka; f. 1937.

Osaka Municipal Art Museum: Tennoji Park, Chausuyama, Tennoji-ku, Osaka; f. 1936; Dir. RYOICHI IMAMURA.

Osaka Museum of Natural History: Utsubo Park, Nishi-ku, Osaka.

AICHI PREFECTURE

Nagoya Castle: 6-1 Minami-Sotobori-Cho, Naka-ku, Nagoya.

EHIME PREFECTURE

Oyamazumi Jinja Kokuhokan (*Treasure Hall of the Oyamazumi Shrine*): Oyamazumi Shrine, Omishima town, Ochigun; f. A.D. 1; 1,099 exhibits, including a large collection of ancient armour, swords, and the oldest mirrors in Japan; library of 1,000 vols.; Curator YASUHISA MISHIMA.

HIROSHIMA PREFECTURE

Itsukushima Jinja Hómotsukan (*Treasure Hall of the Itsukushima Shrine*): Miyajima-chô, Saeki-gun; f. 1895; 130 permanent exhibits of paintings, calligraphy, sutras, swords, and other ancient weapons; Curator and Chief Priest MOTOSADA NOZAKA.

HOKKAIDO PREFECTURE

Abashiri Kyodo Hakubutsukan (*Abashiri Municipal Museum*): Katsuragaoka Park, Abashiri; 600 local products, 8,500 articles of historical, geographical and archaeological interest, and 100 miscellaneous exhibits.

Hokkaidó Takushokukan (*Hokkaido Colonial Museum*): Nakajima Park, Sapporo City; 1,797 articles, including specimens of birds and animals, and various objects used in the different industries, in civil engineering, and in the colonisation projects in Hokkaido.

Kushiro Shiritsu Kyódo Hakubutukan (*Kushiro Municipal Museum*): Turugadai Park, Kushiro; f. 1936; 12,130 earthenware articles, many different kinds of birds and animals, plants, insects, minerals and objects of local interest; Curator HIROYUKI MASATOMI.

HYŌGO PREFECTURE

Art Museum: 1-chome, Kumauchi-Machi, Fukiai-ku, Kobe; Dir. JUNTI KAMIZUKI.

Hakutsuru Bijitsukan (*Hakutsuru Museum*): 1545 Ochiai, Sumiyoshi-cho, Higashi-nada-ku, Kobe; f. 1933; 1,000 specimens fine art, including noted Chinese ceramics and old bronze vases and silver-ware; Dir. JIHEI KANO; Curator JIYUN NAKAMURA; publs. *Chinese Bronze Collections.*

IWATE PREFECTURE

Chūsonji Chinretsukan (*Museum in the Chusonji Temple*): Hiraizumi-mura, Nishi-Iwai-gun; 3,117 articles, including objects associated with the history of the locality and objects of natural science.

KAGAWA PREFECTURE

Kotohira-gū Gakugeikan (*Museum in the Kotohira Shrine*): Kotohira-gū Shrine, Kotohira-machi, Nakatadogun; 3,011 exhibits; Chair. MITSUSHIGE KOTOOKA; Sec. HAZIME HIRAO KOTOHIRA.

KANAGAWA PREFECTURE

Hakone Art Museum: Gora, Kanagawa Pref.; f. 1952; private collection by M. Okada of Japanese and Chinese ceramic work of art; Dir. YOJI YOSHIOKA.

Kamakura Kokuhokan (*Kamakura Museum*): Hachimangu Shrine, 1034 Yukinoshita, Kamakura City; f. 1928; 680 valuable specimens of Japanese fine arts; Dir. SHIBUE JIRO.

Kanagawa Prefectural Modern Art Museum: 1051 Yukinoshita, Kamakura; f. 1952; Dir. RYOAKU MURATA.

Kanazawa Bunko (*Museum and Library*): Shomyoji Temple, 217 Kanazawa-machi, Yokohama City; Temple f. 1275; 680 articles, including various specimens of Japanese fine arts, 20,000 old books and 5,000 documents; nine national treasures (images of Buddha, etc.); Curator MASAO KUMAHARA.

KÓCHI PREFECTURE

Kóchi Kóen Kaitokukan (*Museum in Kóchi Park*): Marunouchi, Kóchi City; 800 exhibits, including autographs and material of interest in Japanese historical research.

MIE PREFECTURE

Iga Bunka Sangyó Kyókai (*Iga Art and Industry Institute*): 6, 1-Marunouchi, Ueno, Ueno City; 3,000 articles.

Jingū Chókokan (*Jingu Historical Museum*): Kuratayama, Ise-city; 1,734 exhibits, including treasures of the Grand Shrine of Ise (Naiku Shrine and Geku Shrine) and many objects of historical interest; library of 1,082 vols., MSS. and pictures; Dir. and Chief of Cultural Section of the Grand Shrine of Ise YASUJI AKIOKA.

Jingū Nogyōkan (*Agricultural Museum*): Kuratayama, Ise-city; f. 1905; 9,583 exhibits connected with agriculture, forestry, and fishing (including collection of over 40 species of shark); Dir. YASUJI AKIOKA.

MIYAZAKI PREFECTURE

Miyazakijingū Chókokan (*Historical Museum in the Miyazaki Shrine*): Miyazaki Shrine, Jingu-machi, Miyazaki City; 4,000 objects of historical and archæological interest.

NAGANO PREFECTURE

Matsumoto Kinenkan (*Matsumoto Historical Museum*): 2 Marunouchi, Matsumoto City; 45,000 exhibits of geological, historical and archæological interest; fine art.

NARA PREFECTURE

Hōryūji (*Hōryūji Temple*): Aza Hōryūji, Ikaruga-cho, Ikoma-gun, Nara Prefecture; a large number of Buddhist images and paintings; the buildings themselves are good examples of the architecture of various periods, such as the Asuka, Nara, Heian, Kamakura, Ashikaga, and Tokugawa periods.

Kasugataisha Hómotsuden (*Treasure Hall of the Kasugataisha Shrine*): Kasugataisha Shrine, Kasugano-cho, Nara City; f. 1934; the ancient, curvilinear style of architecture is called "Kasuga Zukuri" after this shrine; Shrine Master SANEHARU SANJO; Man-nyo Botanical Garden and Library of 4,000 vols.; publ. *Sika* (The Deer).

Nara Kokuritsu Hakubutsukan (*Nara National Museum*): Noboriōji-chô, 50, Nara City; 1,465 objects of fine art from ancient days, many Buddhist sculptures and paintings; Dir. OSAMU KURATA.

Tódaiji (*Treasure Hall of the Tódaiji Temple*): Zoshi-cho, Nara City; f. 752; 26 mems.; Daibutsuden: the world-famous Great Image of Buddha, a big bronze lantern, Two Deva Kings, and many other treasures and ancient documents; attached buildings are the Hokkedo, Kaidan-in, Nigatudo, which contain many famous images of Buddha; Shosoin Treasure House; 3,000 treasures and personal belongings of Emperor Shomu; Dir. TSUTSUI--EISHUN; library of 150,000 vols.; publ. *Nanto Bukkyô* (quarterly).

Yakushiji (*Yakushiji Temple*): Nishi-no-Kyō-machi, Nara City; famous bronze images of the Yakushi Trinity; a pagoda 1,300 years old.

Museum Yamato Bunkakan: 969 Sugawara-cho, Nara City; f. 1960; art objects of Japan, China and Korea; Dir. YUKIO YASHIRO.

OKAYAMA PREFECTURE

Ohara Bijitsukan (*Ohara Art Gallery*): 312 Shinkawa-machi, f. 1930; ceramics and sculptures from Egypt, Persia and Turkey; European paintings and sculpture of nineteenth and twentieth centuries; gallery of Japanese paintings; art and crafts; Curator TAKEUCHI-KIYOMO.

SHIMANE PREFECTURE

Koizumi-Yakumo Kinenkan (*Lafcadio Hearn Memorial Hall*): 322-4 Okudani-machi, Matsue City; 49 possessions of Lafcadio Hearn, 530 books and pictures.

SHIZUOKA PREFECTURE

Atami Art Museum: Atami; f. 1956; art collection of Okada Mokichi; paintings *Yuna*, early Ukiyo-e painting, *Red and White Plum Trees*, Korin Ogata, *Lady Under a Tree*, Tang Dynasty; Dir. YOSHIOKA YOJI.

TOTTORI PREFECTURE

San-in Rekishikan (*San-in Historical Museum*): Nishi-machi, Yonago City; f. 1940; 23,500 exhibits, including specimens and material of value in historical and archæological research.

WAKAYAMA PREFECTURE

Kóyasan Reihókan (*Treasure Hall of the Kóyasan Temple*): Kóyasan Temple, Kóya-machi, Izu-gun; 5,000 exhibits, including Buddhist paintings and images, sutras and old documents.

YAMANASHI PREFECTURE

Minobusan Kuonji Hómotsuden (*Treasury of the Kuonji Temple*): Kuonji Temple, Minobu-machi, Minami-Koma-gun; 283 articles, examples of the fine arts, and materials connected with the history of the Nichiren Sect of Buddhism, the biography of Saint Nichiren.

NATIONAL UNIVERSITIES

CHIBA UNIVERSITY

1 YAYOICHO, CHIBA CITY

Telephone: (51) 1111.

Founded 1949.

President: K. TANIKAWA.

Director of Administration: R. OKAMOTO.

Librarian: Prof. Y. YOSHITAKE.

Number of teachers: 884, including 156 professors.

Number of students: 4,228.

DEANS:

Faculty of Arts and Science: J. NAGATOMO.

Faculty of Education: Prof. H. YOSHINO.

Faculty of Medicine: N. TAKIZAWA.

Faculty of Pharmacy: J. HAGINIWA.

Faculty of Engineering: S. TSUJII.

Faculty of Horticulture: T. KAWAMURA.

School for Foreign Students studying in Japan: D. TANAKA.

DIRECTORS:

Institute of Food Microbiology: K. MIYAKI.

University Hospital: H. KAKEHI.

Junior Engineering College: K. TANIKAWA.

PROFESSORS:

Faculty of Arts and Science:

HAKUTA, T., Philosophy
HANAI, S., Chemistry
HASEGAWA, R., Law
HONDA, S., Physics
ISHIDA, S., Biology
ITO, K., Chemistry
KAMIO, A., Geology
KANOMATA, N., Earth Sciences
KAWABATA, T., German Language
KOYANO, T., Chemistry
MARUYAMA, J., History
MASAME, M., German Language and Literature
MOCHIZUKI, M., Psychology
NAGATOMO, J., Mathematics
NAKADA, T., Mathematics
NUMATA, M., Biology
OGATA, K., Japanese Literature
OGIWARA, A., Japanese Literature
OOIWA, M., Japanese Language and Literature
OOWADA, S., Physics
TADA, A., Economics
TANAKA, K., German Language and Literature
TSUCHIYA, B., Sociology
TSURUMI, T., History
UENO, S., Physics
WATANABE, K., Biology
WATANABE, S., English Language and Literature
YAMAGUCHI, T., Physics
YOSHITAKE, Y., English Language and Literature

Faculty of Education:

AMONO, K., English
ARAI, S., Japanese Literature
FUJITA, A., Biology
HAYASHI, S., Physics
HORIGUCHI, A., Domestic Science
ICHIHARA, G., History
IIDA, A., Sociology
INOUE, S., Vocational Guidance
KAMURA, K., Mathematics
KATO, S., Educational Administration
KIKUCHI, T., Human Geology
MIURA, G., Mathematics
MIYAUCHI, T., Child Education
MORI, K., Fine Arts
MORITA, Y., Music
OGAWA, T., Agricultural Education
OGISO, O., Educational Psychology
SHIRAHAMA, H., Human Geography
TOOYAMA, K., Health Education
TSUCHIYA, S., Vocational Guidance
WATANABE, S., Microbiology
YOSHINO, H., Principles of Education

Faculty of Medicine:

FUKUDA, T., Physiology
FUKUYAMA, U., Anatomy
KAKEHI, H., Radiology
KAWAKITA, Y., Bacteriology
KITAMURA, T., Oto-Rhino-Laryngology
KOBAYASHI, T., Pharmacology
KUBO, M., Pediatrics
MATSUMOTO, Y., Psychiatry and Neurology
MISONOFU, Y., Obstetrics and Gynæcology
MIURA, Y., Biochemistry
MIWA, S., Internal Medicine
MIYAUCHI, Y., Forensic Medicine
MOMOSE, G., Urology
NAKAYANMA, K., Surgery
NONAKA, T., Anatomy
OKABAYASHI, A., Pathology
SAITO, S., Internal Medicine
SATO, I., Oral Surgery
SUZUKI, J., Orthopædic Surgery
SUZUKI, M., Physiology
SUZUKI, Y., Ophthalmology
TAKENOUCHI, K., Dermatology
TAKIZAWA, N., Pathology
TANAMI, J., Hygiene
WATANUKI, S., Surgery
YANAGIZAWA, R., Public Health
YOKOGAWA, M., Parasitology

Faculty of Pharmacy:

HAGINIWA, J., Pharmacognosy and Plant Chemistry
IKEDA, J., Pharmaceutical Chemistry
KITAGAWA, H., Pharmacology
MINATO, A., Biochemistry
MIYAKE, R., Pharmaceutical Chemistry
SAKAGUCHI, T., Pharmaceutical Analysis
SAKAI, S., Pharmacy
YAMAGISHI, S., Bacteriological Chemistry
YAMANE, Y., Hygienic Chemistry

Faculty of Engineering:

ASANO, Y., Hydraulics
FUJISAWA, Y., Electronic Engineering
FURUKAWA, S., Industrial Organic Chemistry
GENTA, H., Photography Engineering
HASEGAWA, I., Machining
HAYASHI, N., Design of Precision Machinery
KIKUCHI, S., Electrical Engineering
KOBAYASHI, H., Building Construction
KOBAYASHI, K., Automatic Control
KOGO, H., Electrical Communications
KOHARA, J., Carpentry
KOIKE, S., Industrial Design
MIYAKI, S., Printing Engineering
MOTEGI, K., Industrial Inorganic Chemistry
MUTSUZAKI, K., Metallography
NOMURA, S., Architectural Designing
OOTAKE, K., Industrial Design
SASAI, A., Motion Picture Photography Engineering
SUGA, K., Industrial Organic Chemistry
SUGIHARA, E., Electrical Appliance Engineering
TANABE, R., Electric Power System Engineering
TSUJII, S., Building Construction
TSUKADA, T., Industrial Design
TSUNODA, T., Printing Engineering
YAMAMOTO, H., Physical Electronics
YAMAZAKI, Y., Industrial Design
YOSHIOKA, M., Industrial Design

Faculty of Horticulture:

FUJII, T., Olericulture
HAYASHI, S., Crops
KAWAMURA, T., Botanical Pathology
KODERA, S., Landscape Architecture
KOSUGI, K., Floriculture
NAGASAWA, K., Pomiculture
NAKAHARA, M., Agricultural Engineering
NAKAJIMA, T., Vocational Agriculture
NOMURA, K., Entomology
SEKIGUCHI, A., Landscape Architecture
SHIBANUMA, C., Biochemistry
SHINANO, S., Chemistry of Food
SUZUKI, T., Rural Sociology
YOSHIE, S., Soil Science

School for Foreign Students studying in Japan:

GOMIBUCHI, M., Mathematics
KOGURE, Y., Japanese and English
KOMATSU, H., English
MIHASHI, F., Japanese Studies
OKUYA, T., Physics
OOTSUKI, N., Japanese
OOZEKI, N., Mathematics
SHIGENOBU, T., French
TANAKA, D., Chemistry
YADA, T., Physics

GUNMA UNIVERSITY

3 SHOWA-MACHI, MAEBASHI

Telephone: (3) 7221.

Founded 1949.

President: S. HASEGAWA.

Administrator: M. UNNO.

Librarian: K. MATSUI.

Number of teachers: 452.

Number of students: 2,590.

Publications: *Annual Reports of Gunma University, Science Reports of Gunma University, Gunma Journal of Medical Science.*

DEANS:

Faculty of Liberal Arts and Education: S. KAKISHITA.

Faculty of Medicine: K. SHIBATA.

Faculty of Technology: M. NEGISHI.

Faculty of General Study: Y. FUSAUCHI.

Student Affairs: Y. NONAKA.

DIRECTORS:

University Hospital: H. UTENA.

Institute of Endocrinology: K. HANAOKA.

Junior Engineering College: A. OKADA.

PROFESSORS:

Faculty of Liberal Arts and Education:

AIBA, S., Japanese History
ASO, Y., Physics
HOMPU, I., English Literature

HORI, S., Biology
INOKUMA, T., Mathematics
ISHIMOTO, A., Domestic Economy
ISHIZAWA, K., Philosophy
KAKISHITA, S., Pedagogy
KANAI, I., Physics
KANEKO, R., Law
KITAGAWA, C., Pedagogy
KIZAKI, Y., Geology
KUNISAWA, H., Psychology
MATSUSHIMA, Y., Mathematics
MURAKI, S., Geography
NAGASUGI, K., Pedagogy
NAKAZAWA, M., Chinese Literature
OGINO, M., Chemistry
OZAKI, K., Japanese History
SAITO, K., Geography
SHIMIZU, T., Fine Arts
SHIMIZU, U., Physical Education
SHIOTA, T., Psychology
WATANABE, O., Economics
YAMAZAKI, H., Japanese Language
YOSHINAGA, K., Sociology

Faculty of Medicine:
AOKI, H., Ophthalmology
FUJIMORI, M., Surgery
ISEKI, S., Legal Medicine
ISHIHARA, K., Surgery
ISHII, H., Oto-Rhino-Laryngology
ITO, T., Anatomy
KAWAI, S., Pathology
MATSUMOTO, M., Physiology
MATSUMOTO, S., Obstetrics and Gynæcology
MATSUMURA, T., Pediatrics
MITSUHASHI, S., Microbiology
ONEDA, G., Pathology
ONEDA, T., Orthopædics
SAWADA, T., Hygiene
SHIBATA, K., Pharmacology
SHICHIJO, K., Internal Medicine
SHIDA, K., Urology
SHIGIYA, R., Internal Medicine
TAKAGI, S., Physiology
TAKIZAWA, A., Anatomy
TOBE, T., Radiology
TSUJI, T., Public Health
UTENA, H., Neurology and Psychiatry
YAMAZAKI, J., Dermatology
YAMAZOE, S., Biochemistry

Faculty of Engineering:
AMPO, E., Inorganic Industrial Chemistry
ASANO, T., Practical Hydro-Mechanics
AZEGAMI, M., Electricity
FUCHINO, K., Fibre Physics
FUJINAWA, K., Unit Operations
ISHII, Y., Dyeing Engineering
IWAMOTO, K., Organic Synthetic Chemistry
KAKIAGE, S., Industrial Physics
KINOSHITA, S., Textile Manufacture
KITANO, T., Chemical Machinery
KURABAYASHI, T., Heat and Heat Engineering
KUWAMURA, T., Petroleum Chemistry
MACHIDA, S., Mechanics
MATSUDA, S., Industrial Analytical Chemistry
MATSUI, KOJI, Coal Chemistry
MATSUI, KUNIO, Applied Mechanics
MIGITA, T., Organic Industrial Chemistry
MIYAZAKI, K., Machine Tool Engineering
MORI, M., Construction and Measuring
MORITA, Y., Electric Communications Engineering
NEGISHI, M., Fibre Chemistry
OGIWARA, Y., Molecular Chemistry
OSAWA, G., Spinning Engineering
OTANI, S., Inorganic Material Chemistry
SUTO, T., Electricity and Control Engineering
TAKEDA, K., Basic Engineering
TAKIGUCHI, T., Organic Material Chemistry
UENO, S., Administrative Engineering
YAMAKAWA, I., Mechanics

Faculty of General Study:
FUSAUCHI, Y., Literature and Language
HAYASHI, S., Physics
HOSOHARA, K., Chemistry
ISHIDA, H., English Language
KANAI, K., German Language
KAWASAKI, Y., German Language
NAGOYA, K., English Language
NAKAJIMA, G., Biology
TERAMOTO, M., Mathematics
YAMAZAKI, S., Biology

Institute of Endocrinology:
HANAOKA, K. Comparative Endocrinology
KUROZUMI, K., Morphology
TAKIGAWA, H., Pharmaceutical Chemistry
UI, N., Physical Biochemistry
YAMAMOTO, K., Physiology

HIROSAKI UNIVERSITY

1 BUNKYO-CHO, AOMORI-KEN, HIROSAKI

Telephone: (2) 3241.

Founded 1949.

President: H. SATO.
Administrator: N. UJI.
Librarian: H. UCHIDA.
Director of the Hospital: Y. OIKE.

Number of teachers: 403.
Number of students: 2,300.
Publications: Handbooks, Bulletins of the Faculties, *Humanism and Society.*

DEANS:

Faculty of Humanities and Economics: N. YANAGAWA.
Faculty of Education: T. NAKAIZUMI.
Faculty of Science: K. SHIMIZU.
Faculty of Medicine: T. NAKAMURA.
Faculty of Agriculture: N. MORITA.
Department of General Education: K. TABUSHI.

PROFESSORS:

Faculty of Humanities and Economics:
HAISHI, S., Finance and Money
INOUE, Y., Japanese Literature
KAWAKUBO, T., Oriental History
KOBAYASHI, T., Economic Theory
KOJIMA, H., German Language and Literature
KUSAKABE, M., English Literature
MIYAZAKI, M., Japanese History
SAITO, T., Philosophy
SHIMA, K., Japanese Language
YANAGAWA, N., Business Management

Faculty of Education:
HANADA, T., Pedagogy
ISHIKAWA, S., Biology
ISHIZAKI, Y., Sociology of Law
KASAI, B., Living Science
KOGAWA, C., Psychology
KONOSHIMA, M., Japanese Literature
KOZUKA, T., Living Science
MANO, K., Algebra and Geometry
NAKAIZUMI, T., Pedagogy
OBA, K., Physiology and Hygiene
OSANAI, T., Philology
SAKAI, G., Earth Science
SATO, M., Education for Handicapped Children
SEINO, T., Music
TAKEUCHI, T., Psychology

Faculty of Science:
DOI, K., Organic Chemistry
SATO, C., Inorganic Chemistry
SATO, M., Physiology and Embryology
SHIMIZU, K., Nuclear Physics
TONOSAKI, K., Analytical Chemistry
UCHIDA, H., Systematics, Morphology, Environmental Biology
YAMAMOTO, T., Quantum Theory

Faculty of Medicine:
AKAISHI, S., Medical Jurisprudence
AWATAGUCHI, S., Oto-Rhino-Laryngology
FUNYU, T., Urology
HIYAMA, N., Physiological Chemistry
IRINODA, K., Ophthalmology
ISHIKAWA, Y., General Medicine and Surgery
IZUMI, Y., Pediatrics
KASAI, T., Anatomy
KATABIRA, Y., Dermatology
MATSUNAGA, F., Internal Medicine
NAKAMURA, M., Public Health
NAKAMURA, T., Physiology
OIKE, Y., Internal Medicine
OUCHI, K., General Medicine and Surgery
OYAMA, T., Anæsthesiology
OZAKI, T., Physiology
SASAKI, N., Hygiene
SATO, K., Pathology
SHINAGAWA, S., Obstetrics and Gynæcology
SHINOZAKI, T., Radiotherapy
TERUI, S., Anatomy
TONO, S., Orthopædic Surgery
TSUNODA, K., Pharmacology
UMEHARA, Y., Institute for Apoplexy
USUBUCHI, I., Pathology
WADA, T., Psychopathy
YAMAMOTO, K., Bacteriology

Faculty of Agriculture:
AOKI, N., Horticulture
HORITSU, K., Biological Chemistry
ITO, T., Zootechnics
MOCHIZUKI, T., Soil and Fertilizer Science
MORITA, N., Agricultural Engineering
NAKAYAMA, R., Science of Plant Breeding
OKAMOTO, T., Technology of Agricultural Products
TERUI, M., Plant Pathology

Dwpaetment of General Education:
AKEBI, T., History
HAGA, Y., Mathematics
IKEDA, Y., German Language
IMAZAWA, M., English Language
KAWADO, Y., Philosophy
NAKAZAWA, J., Biology
NOTOJI, U., Earth Science
SUZUKI, S., Physics
TABUSHI, K., Chemistry

HIROSHIMA UNIVERSITY

HIGASHISENDA-MACHI, HIROSHIMA

Telephone: (41) 1221.

Founded 1949.

President: S. SUMERAGI.
Secretary-General: K. ASANO.
Librarian: T. KAWAMURA.

The library contains 643,935 volumes.
Number of professors: 261.
Number of students: 6,325.

DEANS:

Faculty of Literature: J. OGAWA.
Faculty of Education: M. MIYOSHI.
Faculty of Political Science and Economics: M. ITO.
Faculty of Science: R. MAEKAWA.
Faculty of Medicine: J. URAKI.
School of Dentistry: Y. SHIMA.

Faculty of Engineering: S. SATO.
Faculty of Fisheries and Animal Husbandry: Y. MATSUDAIRA.
Department of General Education: Y. HAJIRO.

DIRECTORS:

Research Institute for Theoretical Physics: H. TAKENO.
Research Institute for Nuclear Medicine and Biology: S. WATANABE.
Training Institute for Engineering Teachers: N. KAWAKITA.

HITOSUBASHI UNIVERSITY

KUNITACHI-MACHI
KITATAMA-GUN, TOKYO

Telephone: (0425) 7-1101.

Founded 1875.

President: S. MASUDA.
Registrar: T. NISHIKIORI.
Librarian: Y. MORITA.

Number of teachers: 154, including 69 professors.

Number of students: 2,382.

DEANS:

Faculty of Commerce: S. MOHRI.
Faculty of Economics: Y. MURAMATSU.
Faculty of Law: J. TAGAMI.
Faculty of Social Science: T. SAKATA.

PROFESSORS:

AZUMA, M., Civil Law
BABA, K., Economic Philosophy
BAMBA, K., Cost Accounting
CHIDA, T., Shipping
EBIIKE, S., English Literature
FUJII, Y., Social Ethics
FURUKAWA, E., Principles of Business Administration
HOSOYA, C., Diplomatic History
ICHIHARA, S., Administrative Law
IINO, T., Principles of Bookkeeping
ISHIDA, T., Social Survey
ISHIKAWA, S., Economic Conditions in China
ISIDA, R., Geography
ISONO, O., Economic Statistics
ITAGAKI, Y., Economic Policy
IWATA, K., English
KAMEI, T., Linguistics
KANEKO, Y., Russian Literature
KATANO, I., Elements of Accounting
KIMURA, MASUZO, Securities Market
KIMURA, MOTOKAZU, Public Finance
KITA, R., Commercial Law
KITAHARA, S., Merchandise Testing
KOIZUMI, A., Monetary Theory
KOJIMA, T., Japanese Economic History
MASUBUCHI, T., Social History of Asia
MASUDA, S., Occidental Economics
MATSUMOTO, M., Management Accounting
MINAMI, H., Social Psychology
MINOBE, T., Population Problems
MOHRI, S., Personnel Management
MORITA, Y., Economic Statistics
MURAMATSU, Y., Oriental Economics
NAGAHARA, K., Economic History of Japan
NAGASAWA, K., Banking
NEGISHI, K., French
NISHI, J., History of Asian Thought
OHATA, S., German
OHIRA, Z., International Public Law
OJIMA, K., Commercial Policy
OKA, Y., Politics
OKAWA, K., Institute of Economic Research
OTA, Y., Social Philosophy
SAKATA, T., History of Social Thought
SASAKI, T., English
SUGITA, M., Physics
TADA, T., Education, German
TADENUMA, K.-I., Civil Law
TAGAMI, J., Constitutional Law
TAKAHASHI, T., Problems of Prosperity
TAKASHIMA, Z., Sociology
TANAKA, K., Foreign Law
UEDA, T., German
UEMATSU, T., Criminal Law
YAMADA, H., Commercial Law
YAMADA, KAZUO, English
YAMADA, KIN-ICHI, Modern Mathematics
YAMADA, KURO, French Literature
YAMADA, Y., History of Economic Doctrines
YAMAKAWA, K., English
YAMANAKA, T., Industrial Policy
YAMASHIRO, A., Administration of Production
YOSHINAGA, E., Commercial Law

HOKKAIDO UNIVERSITY

NISHI 5, KITA 8, SAPPORO

Telephone: 71-2111.

Founded 1918.

President: Dr. H. SUGINOME.
Administrator: H. HUJIYOSHI.
Head of Student Advice Dept.: K. HOSHI.
Librarian: T. SAKAI.

Number of teachers: 1,224, including 289 professors.

Number of students: 6,767.

DEANS:

Faculty of Literature: T. KANEKO.
Faculty of Education: T. KAGOYAMA.
Faculty of Law: T. YADA.
Faculty of Economics: S. MAEDA.
Faculty of Science: J. FURUICHI.
Faculty of Medicine: S. ABE.
Faculty of Technology: H. OUTSUKA.
Faculty of Agriculture: S. NAGAO.
Faculty of Veterinary Science: J. YAMASHITA.
Faculty of Fisheries: S. SAITOU.
Department of General Education: G. OKAMOTO.

PROFESSORS:

Faculty of Literature:
ABE, TAKEHIKO, Japanese History
ABE, TAMOTSU, Western Literature
FUJITA, S., English
FUKUMURA, T., English
HONDO, M., English
IDE, Y., German
IIZUKA, E., Western Literature
IKEGAMI, J., Linguistics
INOMATA, S., Chinese Literature
INOUE, S., Human Geography
NAKAGAWA, H., Religion
NODA, H., Japanese Literature
OGURI, K., German
SUDA, T., Ethics
UMEOKA, Y., Psychology
YUKI, K., Psychology

Faculty of Education:
AMANO, C., Physical Education
ISHIHARA, K., Industrial Education
KAGOYAMA, T., Sociology
KURADO, T., Educational Planning
SUNAZAWA, K., School Education
SUZUKI, T., History of Education
YAMAZAKI, H., Physical Education

Faculty of Law:
FUKASE, C., Constitutional Law
HIRAIDE, Y., Civil Law
IGARASHI, K., Civil Law
IMAMURA, S., Administrative Law
ISHIKAWA, T., Legal History
KAMIYA, A., Administrative Law
KANAZAWA, Y., Economic Law
KAWAI, T., Legal History
KOYAMA, N., Civil Law
NAGAI, Y., Political Science
OGAWA, K., Political Science
TOMITA, Y., Political Science
TORIYAMA, S., Slavic Research
YABU, S., Civil Law
YADA, T., Political History
YAMAHATA, M., Civil Law

Faculty of Economics:
HAYAKAWA, Y., Principles of Economics
HAYASHI, Y., Agricultural History
ITO, T., Economic Theory
KAMADA, S., Accounting
MAEDA, S., Financial Theory
OUYA, E., Economic History
SAKAI, K., Money Circulation
SHINKAWA, S., Social Science
UTSUMI, K., Statistics

Faculty of Science:
AMAMIYA, I., Mathematics
AZUMAYA, G., Algebra
FUKUTOMI, T., Geophysics
FUNAHASHI, M., Mineralogy
FURUICHI, J., High Polymer Physics
HASHIMOTO, S., Petrology, Geology
HAYASHI, M., Spectroscopy
HORIUCHI, J., Physical Chemistry
ICHIKAWA, A., Animal Embryology
IDE, S., Mathematics
IRIE, T., Organic Chemistry
ISHIKAWA, T., Petrology
ITO, D., Theoretical Physics
KANEKO, M., High Polymers
KAWAGUCHI, A., Geometry
KIMURA, M., Chemistry
MAGONO, C., Meteorology
MAKINO, S., Animal Morphology
MATSUMOTO, T., Organic Chemistry
MINATO, M., Stratigraphy
MIYAHARA, S., Thermodynamics
NAKAGAWA, T., High Polymers
NIWA, K., Inorganic Chemistry
NOGUCHI, J., High Polymers
OKA, F., Natural Sciences
ONO, Y., Theoretical Physics
SASA, Y., Oil Geology
SOTOOKA, K.
TAJIMA, K., Geophysics
TAMASHIGE, M., Animal Physiology
TANAKA, H., Atomic Theory
USAMI, S., Plant Physiology
YAGI, K., Mineralogy
YAMADA, Y., Systematic Botany
YANADA, M., Zoology
YOKOYAMA, I., Geophysics

Faculty of Medicine:
ABE, S., Public Hygiene
AKAGI, M., Hygienic Chemistry
AMBO, H., Pathology
BAN, Y., Pharmaceutical Engineering
FUJIMORI, B., Physiology
FUJIYAMA, H., Ophthalmology
FURUKAWA, K., Narcosis
HIRANO, S., Oto-Rhino-Laryngology
IMAI, Y., Biochemistry
ITO, SHINJI, Physiology
ITO, SHOICHI, Anatomy
ITO, T., Anatomy
IWAMOTO, T., Chemical Pharmacology
KIMURA, M., Pharmaceutical Analysis
MASHIMO, K., Internal Medicine
MATSUNO, M., Anatomy
MIKAMI, J., Surgery
MITSUHASHI, H., Pharmacognosy
MIURA, Y., Dermatology
MIZUNO, Y., Pharmaceutical Chemistry
SAITO, S., Anatomy
SHIMA, K., Orthopædics

SUGIE, S., Surgery
SUWA, N., Psychiatry and Neurology
TAKAKUWA, E., Hygiene
TAKASUGI, T., Internal Medicine
TAKEDA, K., Pathology
TANABE, T., Pharmacology
TSUJI, I., Urology
WAKABAYASHI, M., Radiology
YAMADA, M., Bacteriology
YAMADA, N., Pediatrics
YAMADA, T., Internal Medicine

Faculty of Technology:
ABE, A., Mining Machinery
ARIE, M., Fluid Mechanics and Hydraulic Machinery
CHUBACHI, T., Precision Machinery
DOI, O., Mechanical Engineering
ENDO, K., Chemical Equipment Planning
FUJIWARA, H., Electrical Engineering
FUKAZAWA, S., Combustion Engineering
FUKUSHIMA, H., Engineering Science
HAGIWARA, I., Metallurgy
HANZAWA, H., Mechanical Engineering
HAYASHI, K., Electrical Machine Engineering
HAYASHI, T., Sanitary Engineering
HIDEJIMA, M., Dynamics
HORIE, G., Building Equipment Theory
HOSHI, K., Precision Machinery
IKEDA, I., Industrial Metrology
INOUE, R., Sanitary Engineering
IRIE, T., Mechanical Engineering
ISOVE, T., Coal Mining
ITAKURA, C., Railway Engineering
ITOH, M., Synthetic Organic Chemistry
KATAYAMA, T., Electromagnetics
KISHI, T., Hydrography
KITANO, S., Civil Engineering
KOBAYASHI, H., Chemical Reaction Engineering
KOIKE, T., Electrical Power Engineering
KON, T., Bridge Engineering
KOU, E., Architectural Engineering
KUGO, M., Chemical Engineering
KUMAZAWA, Y., Coal Mining
KUROBE, T., Electronics
KUROIWA, T., Internal Combustion Engines
KUWAHARA, R., Sanitary Engineering
MAEDA, M., Electronics
MAGAOKA, K., Machinery Material
MATSUMOTO, T., Electrical Engineering
MATSUNO, E., Coal Mining
MIDORIKAWA, R., Electric Metallurgy
MIURA, R., Automatic Control
NAGAYAMA, M., Analytical Chemistry
NAGOAKA, K., Mechanical Engineering
NAITOU, M., Electrical Engineering
NAKAE, H., Applied Physics
NAKAMARU, Y., Electrical Engineering
NAKAMOTO, A., Coal Mining
NAKAMURA, T., Precision Mechanics
NAKAMURA, Y., Electronics
NISHI, S., Non-Ferrous Metallurgy
NODA, S., Sanitary Engineering
ODAJIMA, A., Industrial Mathematics
OGAWA, S., Civil Engineering
OHNO, K., Architectural Engineering
OKAMOTO, G., Electronics
OUTA, M., Architectural Engineering
OUTSUKA, H., Chemical Engineering
OZAKI, A., Harbour Engineering
OZAWA, Y., Nuclear Electronics
SAITO, T., Heat Engineering
SAITOU, H., Applied Chemistry
SAKAI, T., Structural Dynamics
SAKAI, Y., Architectural Engineering
SAKAMOTO, S., Electrical Engineering
SOUMA, J., Synthetic Organic Chemistry
SUZUKI, M., Electronics
TAKADA, Y., High Polymers
TAKEYA, G., Fuel Technology
TAKEYAMA, T., Synthetic Organic Chemistry
TANAKA, TATSUO, Synthetic Organic Chemistry
TANAKA, TOKIAKI, Metallurgy
WATANABE, S., Applied Chemistry
YOKOMICHI, H., Concrete Engineering
YOKOYAMA, T., Town Planning
YOSHII, C., Ferrous Metallurgy

Faculty of Agriculture:
ARIMA, S., Milk and Meat
ASUWA, S., Agricultural Co-operation
HACHINOHE, Y., Animal Husbandry
HANZAWA, M., Chemistry of Forest Products
HASHIMOTO, Y., Milk and Meat
HIROSE, Y., Animal Feeding
HOSOKAWA, S., Industrial Crops
ISHIZUKA, Y., Soil Science, Plant Nutrition and Fertilizer
IZAWA, M., Food Chemistry
KAWAMURA, M., Agricultural Marketing
KOSEKI, R., Wood Administration
MISHIMA, T., Forest Management
MIYODOU, H., Horticulture
MURAI, N., Water Regulation and Erosion Control
MURAYAMA, D,. Plant Pathology
NAGAO, S., Plant Breeding
OBATA, Y., Agricultural Technology
SAITOH, Y., Forest Management
SAKAKIBARA, A., Wood Chemistry
SAKIMOTO, Y., Leather Technology
SASAKI, Y., Applied Mycology
SAWADA, E., Horticulture
SAWADA, M., Forest Chemistry
SHIMAKURA, K., Applied Zoology
SHIMOMURA, T., Biochemistry
TAGAWA, T., Plant Physiology
TAGUCHI, K., Agronomy
TAKAKURA, S., Agricultural Development
TAKIZAWA, Y., Sericulture
TANIGUCHI, S., Applied Mathematics
TSUNEMATSU, S., Agricultural Machinery
WATANABE, C., General Entomology, Insecticides
YAJIMA, T., Agricultural Management
YAMAMOTO, S., Soil Improvement
YAZAWA, K., Wood Physics
YOKOTA, R., Agricultural Meteorology
YOSHIDA, T., Agricultural Machinery

Faculty of Veterinary Science:
FUJIMOTO, Y., Comparative Pathology
HAGA, T., Animal Biochemistry
HAMADA, S., Veterinary Hygiene
HIRATO, K., Animal Hygiene
HONMA, K., Animal Physiology
ISHIKAWA, T., Veterinary Science
MIURA, S., Animal Diseases
OHYA, S., Internal Veterinary Medicine
OUGA, H., Pharmacology
SAKAI, T., Surgery
YAMASHITA, J., Animal Diseases

Faculty of Fisheries:
HAMAI, I., Marine Biology
HYUGA, M., Navigation
IGARASHI, H., Chemistry
INOUE, N., Physics, Fishing Methods
ISHIDA, M., Navigational Engineering
KANAMORI, M., Fishing Method
KAWAHARA, H., Marine Chemistry
KOBAYASHI, K., Fishing Machinery
KOBAYASHI, S., Ecology and Physiology
KUROKI, T., Physics, Fishing Method
KURUMA, S., Shipbuilding
MOTODA, S., Planktology
MURATA, K., Food Chemistry
OKADA, S., Marine Botany
SAITO, T., Chemistry
SAITOU, S., Embryology and Genetics
SAKAI, M., Microbiology
SHINKAWA, D., Fishery Economics
TAMURA, T., Marine Animals and Algae
TANIKAWA, E., Bacteriology
TOKITA, J., Marine Botany
YAMAMOTO, K., Freshwater Fish Culture
YOSHIMURA, K., Biochemistry

IBARAKI UNIVERSITY

2127 WATARIMACHI,
IBARAKI PREF. MITO
Telephone: (2) 4171.
Founded 1949.

President: M. TSUZAKI.
Administrator: A. FUJITA.
Librarian: M. ISHIHARA.

The library contains 184,025 volumes.
Number of teachers: 359, including 89 professors.
Number of students: 3,410.
Publications (in Japanese): Bulletins and Journals of the faculties.

DEANS:

Student Affairs: N. SAKAI.
Faculty of Liberal Arts: C. OBA.
Faculty of Education: T. FUTAKATA.
Faculty of Engineering: T. TOKUE.
Faculty of Agriculture: T. AOYAMA.

KAGOSHIMA UNIVERSITY

UERATA-CHO, KAGOSHIMA
Telephone: (4) 7141.
Founded 1949.

President: M. TANABE.
Secretary-General: Y. NAKANO.

The library contains 288,000 volumes.
Number of teachers: 647.
Number of students: 4,739.

DEANS:

Faculty of Law and Literature: H. TSUCHIYA.
Faculty of Education: E. SHINPUKU.
Faculty of Science: N. HATAE.
Faculty of Medicine: H. SATÔ.
Faculty of Engineering: S. ISHIGAMI.
Faculty of Agriculture: I. UTAGAWA.
Faculty of Fisheries: M. OCHI.

PROFESSORS:

Faculty of Law and Literature:
HANEDA, S., Constitutional and Administrative Law
HATTORI, N., Human Geography
KAMIMURA, T., Japanese Literature
KAMIMURA, Y., German Literature
KIMURA, T., Civil Law
MASUMURA, H., Oriental History
MOMOZONO, E., Japanese History
NISHIYAMA, B., Economic Policy
OYAMA, H., Sociology and Social Research
SUGAMASA, K., Ethics
TAKAHASHI, M., Principles and History of Economics
TANGE, N., Philosophy
TSUCHIYA, H., English and American Literature

Faculty of Education:
AYABE, S., Physics
CHAZONO, K., Agriculture
FUCHIGAMI, T., Psychology
HABU, S., Health and Physical Education
HAMAGUCHI, Y., Principles of Physical Education

Hiraoko, T., Philosophy
Hôki, K., English Literature
Inada, K., Arts and Crafts
Iwashita, M., Painting
Kadota, T., English Philology
Kaneko, K., Principles of Physical Education
Kinoshita, M., Japanese Philology
Kitagawa, T., Japanese History
Koike, T., Painting
Kuroki, K., Pedagogy
Minote, S., Japanese Literature
Monden, S., Physical Geography
Nagai, G., Pedagogy
Nishida, M., Forestry
Oki, J., Ethics
Sanada, Y., Domestic Science
Satô, I., Physics
Shinpuku, E., Mathematics
Suzuki, T., Topography
Takeda, E., Instrumental Music
Ura, Z., Chinese Classics
Waki, K., Psychology
Yamamoto, T., Politics
Yamashita, S., Pedagogy
Yamashita, Y., Theory of Athletics
Yokoyama, A., Biology

Faculty of Science:
Hatae, N., Physical Geography
Hirata, K., Zoology
Nakamura, Sueo, Physics
Nakamura, Sumio, Chemistry
Urano, K., Physics
Yamane, G., Botany
Yuizono, S., Geometry

Faculty of Medicine:
Abe, Y., Pathology
Akita, H., Surgery
Enjôji, E., Pathology
Hashimura, S., Physiology
Hirano, S., Bacteriology
Jô, T., Forensic Medicine
Kanehisa, T., Internal Medicine
Kawaji, K., Pathology
Kitahara, K., Hygiene
Kojima, K., Pharmacology
Kubo, R., Oto-Rhino-Laryngology
Matsumoto, Y., Physiology
Miyazaki, A., Orthopædic Surgery
Nawata, S., Pædology
Obo, F., Biochemistry
Okamoto, K., Dermatology and Urology
Omori, A., Anatomy
Satô, H., Internal Medicine
Satô, K., Psychiatry
Sato, M., Anatomy
Takayasu, A., Ophthalmology
Terawaki, T., Pædiatrics
Uchiyama, H., Surgery

Faculty of Engineering:
Hatta, K., Hydraulic Engineering
Ikari, J., Chemical Engineering
Ishigami, S., Heat and Heat Engines
Itô, G., Architectural Design
Kawabata, S., Hydraulic Machinery
Kumamoto, S., Organic Chemistry
Oishi, K., Building Construction
Shimada, K., Inorganic Chemistry
Suenaga, K., Material Dynamics
Susukino, T., Electric Power Machinery
Taira, T., Physical Chemistry
Takeshita, T., Organic Chemistry
Tanaka, T., Electric Machinery
Tomi, T., Material Dynamics
Tomo, I., Architectural Design
Ueda, M., Building Construction
Yamashita, S., Chemical Engineering

Faculty of Agriculture:
Abe, Masao, Farm Mechanics
Abe, Masatoshi, Farm Mechanics
Gondô, M., Plant Pathology
Hatsushima, S., Silviculture
Hattori, M., Vocational Agriculture
Hayashida, S., Veterinary Anatomy
Ikeda, M., Crop Science
Ishibashi, S., Farm Mechanics
Kanie, M., Agricultural Manufacturing and Zymology
Kimura, D., Forest Civil and Sabo-Engineering
Kobayashi, T., Soil Science
Maruta, S., Agricultural Economics
Miyaji, Y., Plant Breeding
Ninokata, K., Agricultural Physics
Nishiyama, H., Animal Breeding
Nishiyama, S., Veterinary Medicine
Saigô, T., Sericulture
Shibuya, M., Applied Entomology
Takahashi, Y., Forest Utilization and Wood Chemistry
Taketomi, M., Animal Breeding
Tsujimoto, K., Forest Management
Utagawa, I., Fertilizers
Watanabe, S., Veterinary Surgery
Watanabe, T., Biological and Nutritional Chemistry
Yamada, A., Veterinary Dietetics
Yamazoe, S., Forest Policy
Yasukawa, M., Veterinary Physiology

Faculty of Fisheries:
Fujita, C., Fishery Physics
Imai, S., Ichthyology
Kaimoto, K., Nautical Operations
Kakimoto, D., Marine Foodstuff Chemistry
Kashiwada, K., Marine Products Chemistry
Katayama, T., Marine Products Chemistry
Kujiraoka, T., Fishery Laws
Morita, T., Fishery
Murayama, S., Aquiculture and Aquatic Zoology
Ochi, M., Marine Products Technology Michiaki
Ota, F., Marine Products Technology Michiaki
Takahashi, K., Nautical Operations
Tanaka, T., Aquatic Plants and Physiology
Wada, S., Aquiculture and Aquatic Zoology

KANAZAWA UNIVERSITY

OTMACHI 1, KANAZAWA CITY

Telephone: (62) 4291.

Founded 1949.

President: M. Ishibashi.
Secretary-General: R. Fujino.

The libraries contain 455,583 volumes.

Publications: Journals, Studies, Memoirs of the faculties.

Deans:

Faculty of Law and Letters: A. Ootsu.
Faculty of Education: M. Shinji.
Faculty of Science: W. Ichikawa.
Faculty of Medicine: Y. Kurachi.
Faculty of Pharmacy: G. Kurono.
Faculty of Technology: K. Mutsushige.

KOBE UNIVERSITY

ROKKO, NADA-KU, KOBE

Telephone: Kobe (86) 0001-0006.

Founded 1903.

President: K. Yuki.
Director of Administration: T. Suganuma.
Dean of Students' Affairs: K. Nishimura.

The library contains 639,628 volumes.
Number of professors: 174.
Number of students: 5,579.
Publications: *Journals* and *Reviews.*

Deans:

Faculty of Law: M. Onoe.
Faculty of Literature: H. Kozu.
Faculty of Science: O. Minagawa.
Faculty of Education: Y. Ohta.
Faculty of Economics: T. Miyashita.
Faculty of Business Administration: K. Yamashita.
Faculty of Engineering: W. Johno.
Faculty of Medicine: C. Endo.
Director of Mikage Branch School: M. Yuasa.
Director of Himeji Branch School: S. Nakamura.
Director of University Library: R. Imai.
Director of Research Institute for Economics and Business Administration: M. Komehana.

Professors:

Faculty of Literature:
Abe, M., Japanese History
Hori, Y., Sociology
Imai, R., Japanese History
Ino, K., Japanese History
Kato, I., German Literature
Kozu, H., Anglo-American Literature
Mita, H., History of Scientific Thought
Morita, T., Western History
Nagazumi, Y., Japanese Language and Literature
Okada, S., Philosophy
Shida, F., Sinology
Takeichi, T., Philosophy
Tani, N., Science of Art
Uchida, G., Eastern History
Yamanoto, T., Anglo-American Literature

Faculty of Education:
Asai, H., Technology
Asano, S., Dietetics
Fukuda, T., English
Hayakawa, H., Analytical Chemistry
Iguma, Y., Music
Kaneyuki, T., Fine Arts
Kusunoki, M., Japanese
Miwa, K., Educational Methodology
Niwa, T., Gymnastics
Ogawa, T., Educational History
Ohta, Y., Science
Samori, N., Educational Hygiene
Satuo, M., Science
Shiojiri, K., Social Studies
Takagi, T., Educational Administration
Takahashi, M., Technology
Takahashi, S., Educational Psychology
Tsuru, H., Educational Psychology
Yoshikawa, K., Japanese
Yoshitake, N., Social Studies

Faculty of Law:
Fakuda, T., Criminal Law
Fukumitsu, I., Economic Law
Hayakawa, T., Anglo-American Law
Kano, K., International Law
Kawakami, T., Private International Law
Kawamoto, I., Commercial Law
Kubota, H., Maritime Law
Kunitoshi, T., Commercial Law
Matsuo, K., Jurisprudence
Nishikawa, T., Political Science
Ohtake, H., History of Law

ONOE, M., International Law
TAWARA, S., Constitutional Law
YAMADA, Y., Administrative Law
YAMAKIDO, K., Civil Procedure
YUNOKI, K., Civil Law

Faculty of Economics:
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HAYASHI, J., Economics
IEMOTO, H., Statistics
KITANO, Y., Economics
MATSUNO, K., Public Finance
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NIINO, K., Economics
OKISHIO, N., Mathematical Economics
SHINJOU, H., Monetary Economics
SHINPO, H., Economic History
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YAMASE, Z., Economic History
YAO, J., Monetary Economics

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FURUHAYASHI, K., Labour Management Relations
ICHIHARA, K., Business Administration
INABA, N., Industrial Management
IRIE, I., Foreign Trade
KAIDO, S., Labour Administration
KAMIBAYASHI, M., Commercial Science
KUBOTA, O., Accounting
MATSUDA, K., Management Statistics
MIZOGUCHI, K., Cost Accounting
NOMURA, T., Transportation
SUGURO, H., Insurance
SUMINOE, S., Securities
TAKAMURA, C., Sea Transportation
TAKENAKA, T., Administrative Morphology
TANBA, Y., Business Finance
TANIHATA, N., Accounting
TODA, Y., Bookkeeping
TOMOBE, T., Administrative Morphology
YAMASHITA, K., Tax Accounting

Faculty of Science:
FUJII, S., Biology
FUKAZAWA, H., Biology
HASHIMOTO, J., Mathematics
HIROSE, H., Biology
ISEKI, K., Mathematics
KAMEDA, T., Physics
KANDA, T., Physics
KINUGASA, T., Chemistry
KOMORI, S., Physiology
MINAGAWA, O., Physics
SATOU, T., Mathematics
TANIKAWA, Y., Physics
TSUCHIHASHI, S., Chemistry
UHARA, I., Chemistry
URA, T., Mathematics

Faculty of Engineering:
ABE, K., Electrical Engineering
AKAGAWA, K., Mechanical Engineering
BAN, K., Architecture
BOU, H., Electrical Engineering
GYOUTEN, Y., Architecture
HATANAKA, M., Civil Engineering
HAYAMI, K., Mechanical Engineering
HORIGUCHI, Industrial Chemistry
INOUE, Y., Industrial Chemistry
JOHNO, W., Industrial Chemistry
KAWAI, R., Mechanical Engineering
KOMEMOCHI, M., Mechanical Engineering
KUBO, T., Applied Mathematics
KURODA, K., Instrumentation Engineering
MAEKAWA, J., Architecture
NAGATA, S., Applied Physics
NAKAGAMI, M., Electrical Engineering
NAKAGAMI, M., Electrical Engineering
OKU, M., Industrial Chemistry
OMURA, H., Civil Engineering
SAKURAI, S., Civil Engineering
SHINDOU, A., Mechanical Engineering
SHIBATA, K., Instrumentation Engineering
TANAKA, S., Civil Engineering
TANIMOTO, K., Civil Engineering
TORITA, I., Architecture
TOYODA, M., Instrumentation Engineering
TOYOTA, M., Electronic Statistics
TSUNODA, Y., Electrical Engineering
YAMADA, M., Architecture
YAMAMOTO, A., Mechanical Engineering

The University is responsible for a Research Institute for Economics at Kobe and for Branch Schools at Mikage and Himeji.

KUMAMOTO UNIVERSITY

KUROKAMI-MACHI, KUMAMOTO

Telephone: Kumamoto 66-2111.

Founded 1949.

President: T. YANAGIMOTO.
Chief Administrative Officer: Y. NOGUCHI.
Librarian: T. MURAKAMI.

The library contains 361,856 volumes.
Number of teachers: 619.
Number of students: 4,679.
Publications: Faculty journals.

DEANS:

Faculty of Law and Literature: T. MORI.
Faculty of Education: K. KOBA.
Faculty of Science: A. NOGUCHI.
Faculty of Medicine: T. ROKUTANDA.
Faculty of Pharmacy: S. HAYASHI.
Faculty of Engineering: T. HONDA.

ATTACHED INSTITUTES:

Marine Laboratory: Dir. G. GOTO.

Institute of Constitutional Medicine: Dir. K. OGATA.

University Hospital: Dir. M. KAKU.

KYOTO UNIVERSITY

YOSHIDA-HOMMACHI, SAKYO-KU, KYOTO

Telephone: (77) 8111.

Founded 1897.

President: A. OKUDA.
Director-General: M. YOKOTA.
Librarian: Y. HORIE.

Number of professors: 477.
Number of students: 12,156.
Publications: *Kyoto Daigaku Ichiran, Kyoto Daigaku Gdiran, Kyoto University* (English).

DEANS:

Faculty of Letters: C. INOUE.
Faculty of Education: T. SHIGEMATSU.
Faculty of Law: S. TABATA.
Faculty of Economics: E. KISHIMOTO.
Faculty of Science: R. GOTO.
Faculty of Medicine: H. YAMADA.
Faculty of Pharmaceutical Sciences: S. UYEO.
Faculty of Engineering: I. SAKURADA.
Faculty of Agriculture: A. KOBAYASHI.
College of Liberal Arts: K. YAMASHITA.

DIRECTORS:

Institute for Chemical Research: S. KUNICHIKA.
Research Institute for Humanistic Studies: S. MORI.
Tuberculosis Research Institute: C. NAGAISHI.
Engineering Research Institute: M. HORIO.
Wood Research Institute: T. KISHIMA.
Research Institute for Food Science: T. HATA.
Disasters Prevention Research Institute: S. HAYAMI.
Institute for Virus Research: H. UETAKE.
Institute for Economic Studies: S. KISHIMOTO.
Research Institute for Fundamental Physics: H. YUKAWA.
Research Institute for Mathematical Science: M. FUKUHARA.
Research Reactor Institute: K. KIMURA.
The Centre for Southeast Asian Studies: S. IWAMURA.

PROFESSORS:

Faculty of Letters:
AKAMATSU, T., Japanese History
ARIMITSU, K., Archæology
ENDO, Y., Japanese Language and Literature
HASUMI, S., History of Art
IJIMA, T., Aesthetics, History of Art
IKEDA, Y., Sociology
IKUSHIMA, R., French Literature
INOUE, C., History and Geography
IZUI, H., Philology
KOBATA, A., Japanese History
MAEKAWA, T., Occidental History
MATSUDAIRA, C., Classical Language and Literature
MATSUO, G., Philosophy, History of Philosophy
MUTO, K., Christianity
NAGAO, G., Religion
NAKANISHI, N., Western Literature
NODA, M., Philosophy, History of Philosophy
NOGAMI, S., Italian Language and Literature
NOMA, K., Japanese Language and Literature
ODA, T., History and Geography
OGAWA, T., Chinese Language and Literature
OGOSHI, K., English Language and Literature
OYAMA, S., Western Literature
SAEKI, T., Oriental History
SHIGEZAWA, T., Philosophy, History of Philosophy
SHIMA, Y., Ethics
SONOHARA, T., Psychology
SUGA, Y., American Language
TAKATA, S., Philosophy, History of Philosophy
TAKEUCHI, Y., Religion
TAMURA, J., Oriental History
YOSHIKAWA, K., Chinese Literature

Faculty of Education:
AJISAKA, T., Curriculum
HIMEOKA, T., Adult Education
IKEDA, S., Comparative Education
KURAISHI, S., Clinical Psychology
MAEDA, H., Pedagogy
SAGARA, I., Educational Administration
SATO, K., Educational Psychology
SHIGEMATSU, T., Educational Sociology
SHINOHARA, Y., History of Education
SHITAHODO, Y., Education Anthropology

Faculty of Law:
- FUKUSHIMA, T., Political Science
- HAYASHI, R., Civil Law
- HIRABA, Y., Criminal Procedure and Criminal Law
- INOKI, M., History of Politics
- INOKUMA, K., Japanese Legal History
- ISOMURA, T., Civil Law
- KATAOKA, N., Industrial Law
- KATO, S., Philosophy of Law
- KATSUDA, K., History of Political Thought
- MICHIDA, S., Anglo-American Law
- MIYAUCHI, H., Criminology and Criminal Law
- NAGAHAMA, M., Public Administration
- NAKATA, J., Law of Civil Procedure
- NAKATSUKASA, T., Law of Bankruptcy
- OHO, F., Civil Law
- OISHI, Y., Constitutional Law
- OMORI, T., Commercial Law
- OSUMI, K., Commercial Law
- SUGAI, S., Administrative Law and Law of Taxation
- SUGIMURA, T., Administrative Law
- TABATA, S., Public International Law
- TAMEIKE, Y., Private International Law
- TATSUKAWA, F., Diplomatic History
- UEYANAGI, K., Commercial Law

Faculty of Economics:
- AOYAMA, H., Principles of Economics
- DEGUCHI, Y., History of Economics
- HORIE, H., History of Business Administration
- HORIE, Y., Economic History
- HOZUMI, F., History of Social Thought
- KISHIMOTO, E., Social Policy
- MATSUI, K., International Economics
- NAKATANI, M., Money and Banking
- OKABE, T., Accounting
- OOHASHI, R., Economic Statistics
- SAWA, S., Transportation
- SIMA, Y., Public Finance
- TASUGI, K., Business Policy
- YAMAMOTO, Y., Principles of Business Administration
- YAMAOKA, R., Industrial Economics

Faculty of Science:
- ASHIDA, J., Plant Physiology and Plant Ecology
- FUJINAGA, T., Analytical Chemistry
- GOTO, R., Organic Chemistry
- HASEDA, T., Plasma Physics
- HATAKEYAMA, I., Plant Ecology
- HATANO, H., Radiation Chemistry
- HATUDA, Z., Physical Geology
- HAYAMI, S., Physical Oceanography
- HAYASHI, C., Nuclear Energy
- ICHIKAWA, M., Development Biology
- ITINOHE, T., Physics of the Solid Earth
- ITO, K., Probability and Statistics
- KACHI, S., Metallurgy
- KATO, M., Radiation Biology
- KAJI, A., Synthetic Organic Chemistry
- KITAMURA, S., Plant Taxonomy
- KOBAYASHI, M., Theoretical Nuclear Physics
- KOBORI, A., Complex Analysis
- KODERA, K., Inorganic Chemistry
- KOMATU, A., Geometry
- KUBOTERA, A., Volcano Physics
- KUSUNOKI, Y., Differential Equation
- MATSUBARA, T., Applied Mathematics
- MATSUSHITA, S., Historical Geology
- MIKI, H., Seismology
- MIYAMOTO, S., Cosmophysics
- MIZOHATA, S., Mathematical Analysis
- MORI, S., Animal Physiology and Ecology
- MUTO, J., Experimental Nuclear Physics
- NAGATA, M., Algebra
- NAKAMURA, K., Animal Systematics and Genetics
- NAKAZAWA, K., Stratigraphy
- OSUGI, J, Physical Chemistry
- OZAWA, I., Applied Geophysics
- SHIDEI, T., Neutron Physics
- SHIMIZU, T., Astronomy
- SHINKE, N., General Cytology
- TAKAGI, H., Chemical Physics
- TAKAHASHI, I., Microwave and Radio-frequency Spectroscopy
- TAMURA, Y., Geomagnetism and Geoelectricity
- TANAKA, K., Crystal Physics
- TANAKA, S., Biochemistry
- TATSUMI, T., Fluid Mechanics
- TODA, H., Topological Mathematics
- TOMITA, K., Statistical Physics
- TSUJIKAWA, I., Spectroscopic Chemistry
- UCHIDA, Y., Optics and Spectroscopy
- UENO, S., Astrophysics
- UTINOMI, H., Marine Biology
- YAMAMOTO, R., Meteorology
- YAMAMOTO, T., Quantum Chemistry
- YASUMI, S., High Energy Physics
- YOSHIZAWA, H., Petrology

Faculty of Medicine:
- ARAKI, T., Physiology
- ASAYAMA, R., Ophthalmology
- FUJIHARA, M., Hygiene
- FUKUDA, M., Radiology
- HANDA, H., Neuro-Surgery
- HAYAISHI, O., Medical Chemistry
- HONJO, I., Surgery
- HORII, I., Anatomy
- INADA, T., Urology
- INAMOTO, A., Anæsthetics
- INOUE, A., Physiology
- ITO, T., Orthopædics
- KIMURA, C., Surgery
- MIDORIKAWA, O., Pathology
- MINOGUCHI, G., Oral Surgery
- MIYAKE, T., Internal Medicine
- MORIMOTO, M., Oto-Rhino-Laryngology
- MURAKAMI, M., Psychiatry
- NAGAI, H., Pædiatrics
- NISHIMURA, H., Anatomy
- NISHIMURA, T., Gynæcology and Obstetrics
- NISHIO, M., Public Health
- NISHIURA, M., Dermatology
- OFUJI, S., Dermatology and Syphilology
- OKAMOTO, K., Pathology
- OKAMOTO, M., Anatomy
- SHIMAMOTO, K., Pharmacology
- SUGAHARA, T., Experimental Radiology
- TABEI, K., Microbiology
- TAKAYASU, M., Internal Medicine
- UEDA, M., Legal Medicine
- WAKISAKA, G., Internal Medicine
- YAMADA, H., Pharmacology

Faculty of Pharmaceutical Sciences:
- INOUYE, H., Chemistry of Natural Products
- KAKEMI, K., Pharmaceutics
- KONOSHIMA, M., Pharmacognosy
- NAKAGAKI, M., Physical Chemistry
- OKADA, J., Pharmaceutical Engineering
- OSAKI, K., Inorganic Chemistry
- TAKAGI, H., Pharmacology
- TANAKA, H., Radiopharmaceutical Chemistry
- TOMITA, K., Chemical Hygiene
- TOMITA, M., Organic Chemistry
- UNO, T., Analytical Chemistry
- UYEO, S., Pharmaceutical Manufacturing
- YAMASHINA, I., Biochemistry

Faculty of Engineering:
- ADACHI, M., Structural Metallurgy
- AIDA, T., Machine Elements
- AKAI, K., Foundation Engineering
- ARAKI, G., Atomic and Nuclear Physics
- ENDO, K., Engineering Materials
- FUKUI, K., High Pressure Chemistry
- FUKUI, S., Industrial Biochemistry and Fermentation Chemistry
- FUKUYAMA, T., History of Architecture
- FUNASAKA, W., Inorganic Analytical Chemistry
- FURUKAWA, J., Polymerisation Chemistry
- GODA, T., Water Supply and Sewerage Engineering
- GOTO, H., Transportation Route Engineering
- HAGIWARA, H., Computer Engineering
- HAYASHI, C., Electrical Engineering
- HAYASHI, S., Electric Circuit Theory
- HIRAMATSU, Y., Mining and Mining Machinery
- HORIO, M., Polymer Structure
- HUDIMOTO, B., Hydrodynamics, Aeronautical Engineering
- IHARA, C., Industrial Mechanics
- IINOYA, K., Chemical Engineering
- IKENOUE, J., High-Frequency Engineering
- ISHIHARA, T., River Engineering
- ITO, I., Blasting, Excavation and Excavation Machinery
- IWAI, S., Radiological Health Engineering
- IWASA, Y., Hydraulics
- KAMIMOTO, G., Propulsion Engineering, Aeronautical Engineering
- KANETA, K., Theory of Steel Structures
- KAWAI, H., Mechanical Properties of Polymers and Polymer Processing
- KAWAMOTO, M., Strength of Materials
- KISHIMA, A., Power System Engineering
- KIYONO, T., Electronic Measurements
- KOJIMA, T., General Analytical Chemistry
- KOKADO, J., Mining and Metallurgical Machinery
- KOMETANI, E., Planning of Transportation Facilities
- KONDO, B., Automatic Control
- KONDO, Y., Process Metallurgy and Quality Control
- KONISHI, I., Bridge Engineering
- KUMADA, M., Organometallic Chemistry
- KUNUGI, M., Inorganic Structural Chemistry
- KUWAHARA, M., Control Engineering
- MAEDA, K., Radio Communication Engineering
- MAEDA, T., Equipment of Building
- MASUDA, T., Architectural Design
- MATSUO, S., Soil Mechanics
- MATSUURA, T., Free Radical Chemistry
- MICHIYOSHI, I., Nuclear Reactor Engineering
- MINE, H., Industrial Engineering
- MIZUNO, H., Welding Engineering
- MIZUSHINA, T., Chemical Engineering
- MORI, H., Lubrication and Hydraulics
- MORI, T., Metallurgy of Iron and Steel
- MORITA, S., Foundry Metallurgy
- MORIYAMA, J., Non-Ferrous Metallurgy
- MUGURUMA, H., Theory of Material Strength
- MUKAI, S., Mineral Processing
- MURAKAMI, Y., Science of Metallic Materials
- NAGAO, F., Heat Power Engineering
- NAGAO, Y., Public Works Planning
- NAGATA, S., Chemical Engineering
- NAKAJIMA, A., Molecular Science of Polymers
- NAKAMURA, Y., Metal Physics
- NISHIHARA, H., Nuclear Reactor Theory
- NISHIHARA, K., Electrometallurgy
- NISHIYAMA, U., Architectural Planning
- NIWA, Y., Structural Mechanics
- NOZAKI, H., Chemistry of Organic Reactions
- OBAYASHI, T., Aeronomy and Space Physics
- ODA, R., Organic Synthesis
- OHIGASHI, S., Applied Thermodynamics
- OISHI, J., Nuclear Chemical Engineering
- OKADA, K., Construction Materials
- OKAMURA, K., Automatic Machines

Okamura, S., Polymer Synthesis
Okushima, K., Production Engineering
Onogi, S., Polymer Physics
Otani, Y., Applied Electrical Engineering
Oyane, M., Engineering Plasticity
Ozaki, R., Foundry Technology
Saegusa, T., Organic Catalytic Chemistry
Sakaguchi, T., Electrical Discharge Engineering
Sakai, T., Electrical Communication Engineering
Sakisaka, M., Nuclear Physics and Nuclear Instruments
Sakurada, I., Fundamental Polymer Chemistry
Sasaki, T., Precision Mechanics
Sato, T., Heat Transfer
Sawamura, T., Control System Components
Sawaragi, Y., Control Engineering
Shingu, H., Hydrocarbon Chemistry
Shoji, H., Environmental Hygiene
Sisido, K., Organic Chemistry of Natural Products
Tada, M., Applied Mathematics
Taira, S., Materials Science
Takagi, T., Information Engineering
Takamatsu, T., Plant and Process Engineering
Takamura, J., Crystal Plasticity
Takegami, Y., Fuel Chemistry
Takimoto, K., Economic Geology
Tamada, K., Aerodynamics, Aeronautical Engineering
Tamura, I., Science of Steel
Tamura, M., Industrial Physical Chemistry
Tanabashi, R., Building Construction
Tanaka, K., Strength of Structures, Aeronautical Engineering
Tanaka, T., Semiconductor Engineering
Tarama, K., Catalytic Chemistry
Toei, R., Chemical Engineering
Tokumaru, H., Nonlinear Mechanics
Ukita, I., Electrical Engineering in General
Yamada, H., Applied Mechanics
Yamaguchi, M., Industrial Mathematics
Yonezawa, T., High Temperature Chemistry
Yoshida, F., Chemical Engineering
Yoshida, Z., Physical Organic Chemistry
Yoshioka, N., Chemical Engineering
Yoshizawa, S., Industrial Electrochemistry
Yoshizumi, E., Geophysical Prospecting

Faculty of Agriculture:
Akai, S., Phytopathology
Endo, R., Forestry Engineering
Fujioka, Y., Agricultural Engineering
Fukuda, A., School Farm
Handa, R., Forestry
Hasegawa, H., Crop Science
Ikeda, S., Fisheries
Imamura, S.-I., Applied Botany
Ishii, S., Entomology
Kaihara, M., Farm Accounting
Kanzaki, H., Agricultural Management
Kashiwa, S., Agricultural Science
Kawaguchi, K., Soil Science
Kawakami, T., Fisheries
Kawamura, N., Agricultural Machinery
Kimata, M., Fisheries
Kishine, T., Forest Policy
Kobayashi, A., Pomology
Kuwahara, M., Agricultural Accountancy
Masuda, S., Agricultural Machinery
Matsubara, K., Fisheries
Mitsuda, H., Nutritive Chemistry
Mitsuhashi, T., Agricultural History
Mitsui, T., Manufacture of Agricultural Products
Nakajima, C., Agricultural Administration
Nakajima, M., Pesticide Chemistry
Nakato, K., Forestry
Nishikawa, Y., Animal Husbandry
Ogata, K., Physiology of Fermentation and Industrial Microbiology
Okazaki, A., Landscape Architecture
Onodera, K., Agricultural Biochemistry
Sano, S., School Forest
Sawada, T., Agricultural Engineering
Senda, M., Forest Chemistry
Shidei, T., Forestry
Sugihara, H., Forestry Engineering
Syakudo, K., Plant Breeding
Tsukamoto, Y., Horticulture
Uesaka, S., Animal Husbandry
Utida, S., Entomology

College of Liberal Arts:
Etô, N., Sociology
Fujioka, K., Human Geography
Haneda, A., Oriental History
Hayashi, Ken-ichirô, French Language
Hayashi, Kyûzô, Mathematics
Higahi, S., Chemistry
Higashinaka, H., Earth Science
Horie, N., Mathematics
Ibukiyama, T., Psychology
Iinuma, K., English Language
Ikeda, S., Descriptive Geometry and Drawing
Ishida, S., Philosophy
Ishikawa, K., German Language
Kajino, A., German Language
Kawahata, A., Health Education
Kawai, R., Mathematics
Kawano, K., Economics
Kawata, K., English Language
Kinoshita, K., Chemistry
Kita, H., Physics
Kume, N., Biology
Matsumoto, M., Mathematics
Mitani, K., Physics
Miyata, N., Health Education
Mori, K., English Language
Nakae, T., Mathematics
Nakai, Y., Physics
Nishida, T., Chinese Classical Literature
Nishimura, M., Human Geography
Okada, Y., Politics
Okugawa, K., Mathematics
Ota, M., Earth Science
Oura, Y., English Languge
Ozasa, H., Chemistry
Sakakura, A., Japanese Language and Literature
Sano, T., German Language
Satô, S., Mathematics
Shibata, M., Japanese History
Sugiyama, S., German Language
Tagawa, M., German Language
Tahara, H., Physics
Takagi, K., Sport Medicine
Takayasu, K., German Language
Takeyama, M., Physics
Takizawa, S., Mathematics
Tamura, M., Physics
Tanaka, S., French Language
Terada, T., English Language
Toyoda, R., Chemistry
Ueda, Y., Philosophy
Ueno, T., Science of Arts
Usui, T., German Language
Wakabayashi, T., German Language
Watanabe, A., French Language
Yagi, S., Chemistry
Yamamura, T., English Language
Yamanouchi, K., English Language
Yamashita, K., Biology
Yamazaki, M., English Language
Yasuda, K., Ethics
Yoshida, J., German Language
Yoshida, S., Chemistry
Yoshii, R., Biology

KYUSHU UNIVERSITY

HAKOZAKI, FUKUOKA CITY,
FUKUOKA PREFECTURE

Telephone: Fukuoka (65) 0431.

Founded 1910.

President: M. Enjoji, D.M.S.
Administrator: Y. Izumi.
Librarian: T. Kitagawa.

Number of teaching staff: 1,295, including 378 professors.
Number of students: 7,169.

DEANS:

Faculty of Literature: S. Maekawa.
Faculty of Education: J. Ishii.
Faculty of Law: F. Ito.
Faculty of Economics: K. Takagi.
Faculty of Science: T. Yoshimura.
Faculty of Medicine: I. Miyazaki.
Faculty of Pharmacy: H. Tsukamoto.
Faculty of Engineering: T. Mizuno.
Faculty of Agriculture: K. Yamafuji.
General Education Department: N. Toida.
Dean of Students: M. Hayashi.

PROFESSORS:

Faculty of Literature:
Akishige, Y., Psychology
Fukuda, U., Japanese Literature
Hino, K., Oriental History
Kagamiyama, T., Archæology
Kobayashi, E., Occidental History
Maekawa, S., English Literature
Matsunami, S., Indian Philosophy
Mekada, M., Chinese Literature
Nagata, E. French Literature
Naito, K., Sociology
Nakamura, Y., Japanese Literature
Shinjo, T., Aesthetics
Soejima, T., Philosophy
Takahashi, G., German Literature
Takizawa, K., Ethics
Taniguchi, T., Aesthetics, History of Fine Arts
Yamamoto, K., Philosophy
Yamamuro, S., Philosophy
Yanai, K., Japanese History
Yoshimachi, Y., Linguistics

Faculty of Education:
Hara, T., Educational Methods
Ikeda, K., Educational Psychology
Ishii, J., Education
Masui, S., Comparative Education
Misumi, J., Educational Psychology
Seki, K., Educational Psychology
Ushijima, Y., Educational Psychology
Yano, T., Educational Sociology

Faculty of Law:
Aoyama, M., Civil Law
Gushima, K., Political History, Diplomatic History
Hamada, K., Commercial, English, American Law
Harashima, S., Civil Law
Hayashi, M., Social Law
Hayashida, K., Constitutional and Administrative Law
Inoue, M., Criminal Law
Ito, F., International Law
Takata, G., Commercial Law
Takewara, Y., Political Science
Yosida, M., Legal History

Faculty of Economics:
Baba, K., Business Economics
Kinoshita, E., Theory of World Economy
Okahashi, T., Theory of Money

SHODA, S., Industrial Policy, Social Policy
SOEDA, M., Business Economics
TAKAGI, K., Economic Trends
TAKAGI, N., History of Economics
TAKAHASHI, M., Statistics
TANAKA, S., Agricultural Policy
YUMURA, T., History of Economy

Faculty of Science:
CHIBA, Y., Plant Physiology
HAGA, T., Cytology and Genetics
HOSOKAWA, T., Plant Ecology
ISOYA, T., History of Economy
IZUMIYA, N., Biochemistry
KANDA, Y., Structural Chemistry
KAWAKAMI, I., Biology
KITAGAWA, T., Mathematics
KUDO, T., Algebra
KUWABARA, M., Animal Physiology
MARUYAMA, G., Mathematics
MATSUMOTO, T., Geology, Palæontology
MATSUSHITA, H., Crystallisation, Mineralogy
MATSUURA, R., Physical Chemistry
MIDUNO, Z., Physics
MISUMI, S., Inorganic Chemistry
OOHASHI, S., Analytical Chemistry
OKADA, T., Physical Experiment
SAWADA, R., Physics
SHIBUYA, Y., Physics
SIBAGAKI, W., Mathematics
SUGURI, T., Geometry
TORIYAMA, R., Geology
URABE, M., Mathematics
YAMAMOTO, K., Mathematics
YOSHIMURA, T., Crystallisation, Mineralogy
YOSHINO, T., Organic Chemistry

Faculty of Medicine:
AMAKO, T., Orthopædic Surgery
FUJINO, H., Dentistry and Oral Surgery
FURUKAWA, T., Anesthesiology
GOTO, M.,Physiology
HASHIMOTO, M., Pathology
HIGUCHI, K., Dermatology
IKEMI, Y., Psychosomatic Medicine
IKUI, H., Ophthalmology
INOKUCHI, K., Surgery
IRIE, H., Radiotherapy
KATSUKI, S., Internal Medicine
KAWATA, M., Oto-Rhino-Laryngology
KOGA, K., Gynæcology and Obstetrics
KURATUNE, M., Public Hygiene
MAKISUMI, S., Legal Medicine
MASUYA, T., Internal Medicine
MIYAKE, H., Surgery
MIYAZAKI, I., Parasitology
MOMOSE, S., Urology
MORI, M., Anatomy
NAGAYAMA, T., Pediatrics
NUKI, B., Pharmacology
SAKURAI, T., Psychiatry
SARUTA, N., Hygiene
TAKAGI, Y., Biochemistry
TAKEYA, K., Bacteriology
TANAKA, K., Pathology
TOIDA, N., Physiology
WASANO, T., Anatomy
YAMADA, E., Anatomy
YAMAOKA, K., Internal Medicine

Faculty of Pharmacy:
HAMANA, M., Pharmaceutical Chemistry
IGUCHI, S., Pharmaceutics
KAWASAKI, T., Plant Chemistry
MOMOSE, T., Analytical Chemistry
SAIKACHI, H., Synthetic Organic Chemistry
TAGUCHI, T., Organic Chemistry
TSUKAMOTO, H., Forensic Chemistry

Faculty of Engineering:
ASANO, G., Applied Geology
ASO, C., Organic Synthesis
ASO, K., Mining
EGUCHI, T., Metallurgy
HASEGAWA, S., Atomic Pile Engineering
HIRAKAWA, K., Magnetism
HIRANO, F., Mechanical Engineering
HOKARI, S., Electrical Engineering
IKUI, T., Fluid Mechanics
INOUE, S., Shipbuilding
IRIE, F., Electronics
ISHIBASHI, T., Material Dynamics
ITO, H., Metallurgy
IWASAKI, M., Aeronautical Engineering
KAIEDA, H., Metallurgy
KASAI, T., Mechanical Engineering
KASUGA, Y., Production Mechanical Engineering
KAWAI, Y., Metallurgy
KAWASHIMA, S., Lighting
KIMPARA, M., Applied Mathematics
KINOSHITA, T., Metallurgy
KURIHARA, T., Electrical Engineering
MATSUDA, K., Metallurgy
MATSUDA, T., Organic Synthesis
MIKAMI, M., Applied Dynamics
MITSUYASU, A., Aerodynamics
MIYAZOE, Y., Electrical Engineering
MIZUNO, T., Civil Engineering
MORI, N., Communication Engineering
MURAKAMI, T., Structural Mechanics
NAKAMORI, I., Chemical Mechanical Engineering
NISHIKAWA, K., Mechanical Engineering
NODA, K., Electrical Engineering
NOGUCHI, T., Geophysics
NOMURA, Y., Architectural Planning
OHASHI, A., Electrical Engineering
OISI, Y., Atomic Pile Materials
ONOYAMA, T., Applied Science
OONO, Y., Communication Engineering
OSUMI, Y., Mining
OTA, S., Architecture
OYAMA, T., Physical Chemistry
SAJI, T., Building Construction
SAKAI, W., Applied Chemistry
SATO, H., Industrial Dynamics
SEIYAMA, T., Applied Chemistry
SEKIHARA, T., Architecture
SHIMIZU, H., Mechanical Engineering
SHINOHARA, H., Chemical Mechanical Engineering
SHINOHARA, K., Hydraulics
SONODA, M., Applied Nuclear Physics
SUHARA, J., Shipbuilding
TAKATA, M., Automatic Control
TAKAYANAGI, M., Applied Chemistry
TAKEMURA, T., High Polymer Physics
TAMATI, T., Electrical Engineering
TANAKA, T., Rubber Technology
TOMII, M., Structural Engineering of Architecture
TSUBAKI, T., Applied Hydraulics
TSUGE, M., Mechanical Engineering
TSUJI, M., Solid State Physics
TSUZJI, S., Theory of Electricity
UCHIDA, I., Statics
UENO, KEIHEI, Applied Chemistry
UENO, KEIZO, Shipbuilding
UENO, T., Machine Design for Production
WATANABE, N., Mechanics
YAGI, T., Metallurgy
YAMAKOSHI, M., Naval Architecture
YAMASAKI, T., Structure Dynamics
YANAGASE, T., Metallurgy
YASUURA, K., Communication Engineering
YONEYAMA, M., Telecommunication
YOSHIKAWA, H., Industrial Mathematics

Faculty of Agriculture:
AKUNE, S., Agricultural Chemistry
ANDO, N., Zootechny
AOMINE, S., Soil Science
EHARA, K., Botany
FUJIKAWA, T., Agricultural Soil Engineering
FUKUSHIMA, E., Horticulture
FUNATSU, M., Biochemistry
HARADA, T., Agricultural Chemistry
HAYASHI, T., Sericulture
HONGO, M., Zymology and Industrial Fermentation
INOUE, Y., Forestry
IWAKATA, I., Farm Management
KATO, Y., Zootechny
KONDOO, T., Forestry
KUMAGAI, S., Erosion Control
MIYAKE, S., Zoology
MORISIMA, S., Agricultural Machinery
NAGAMATSU, T., Crop Science
OHASHI, I., Agricultural Policy
OKAMOTO, S., Animal Industry
OSHIMA, Y., Biochemistry
OTA, M., Wood Technology
SATO, K., Afforestation
SAWADA, S., Agricultural Administration
SENZYU, R., Wood Chemistry
SHIOYA, T., Forestry
TAKATA, Y., Agricultural Engineering
TAKEDA, K., Meteorology, Statistics
TANABE, K., Agricultural Civil Engineering
TANAKA, O., Fisheries
TOMIYAMA, T., Aquatic Food Chemistry
TOYOMIZU, M., Technology of Marine Products
TSUKAHARA, H., Fisheries
WADA, M., Food Chemistry
WATANABE, H., Forestry
YAMADA, T., Agricultural Economics
YAMAFUJI, K., Agricultural Technology
YASUMATSU, K., Entomology

General Education Department:
ABE, S., Religion
ANAYAMA, T., Japanese Literature
ATAKA, K., Psychology
CHISHIRO, S., German
FUJIMOTO, J., Physical Education
GOTO, T., Occidental Literature
HAMA, K., Chinese Literature
HATTORI, T., Occidental History
HAYASHI, C., Chemistry
HAYASHI, I., German
HIGAKI, M., Japanese History
ICHII, M., Chemistry
IMAKI, R., Occidental History
ISHIMOTO, I., German
ISIKURA, Z., Physics
IWASAKI, T., Ethics
KANEDA, T., Mathematics
KAWAGUCHI, T., Economics
MIKAMI, M., Human Geography
MITSUI, K., English
MIYAMOTO, S., Entomology
MORINAGA, T., German
MORIOKA, S., English
NAGASAWA, Y., English
NAKAZAWA, S., Mathematics
NISHIHARAM, T., English
NISHIO, Y., Japanese History
NODA, M., Geology, Mineralogy
OKADA, T., Chinese Classics
OKUBO, M., Practical Geometry and Drawing
SASAKI, K., Philosophy
SATO, F., French Literature
SHIROZU, T., Entomology
SHIUTA, T., Philosophy
TUBOTA, H., Physics
UEDA, I., Crystal Physics
URANISI, H., Mathematics
WATANABE, K., English
YAMAKAWA, J., German
YOSHII, N., Biology
YOSHITAKE, M., English

Institute for Balneotherapeutics:
HATTA, O., Surgery Section
ITO, Y., Dermatology
SIMIZU, N., Gynæcology
YANO, R., Internal Section

Research Institute of Industry and Labour:
YOSHIMURA, M., World Economics

Research Institute of Science and Industry:
EBUCHI, F., Mining Engineering
TAKESHITA, K., Applied Chemistry
TSUGE, O., Applied Chemistry

Research Institute for Applied Mechanics:
HIGUCHI, M., Plasticity
KUMAI, T., Applied Elasticity
KURIHARA, M., Hydrodynamics
NEGORO, S., Elasticity
OKABE, J., Hydrodynamics
SHINOHARA, K., Hydrodynamics
SUHARA, T., Applied Elasticity
TASAI, F., Hydrodynamics

NAGASAKI UNIVERSITY

1-14 BUNKYO-CHO, NAGASAKI
Telephone: 4-1121.
Founded 1949.

President: N. IZUMI.
Secretary-General: K. NATORI.
Librarian: K. YOSHIOKA.

Library of 286,141 volumes.
Number of teachers: 375, including 106 professors.
Number of students: 2,696.

DEANS:

Faculty of Liberal Arts: H. SAWA.
Faculty of Medicine: T. GOTO.
Faculty of Economics: Y. KONO.
Faculty of Pharmacy: H. TANIYAMA.
Faculty of Fisheries: T. YAMADA.

PROFESSORS:

Faculty of Liberal Arts:
DOHI, S., Physics
FUZII, M., English
HISHITANI, T., History
HOSADA, M., Japanese
ICHISE, Y., Domestic Science
IMAI, S., Chemistry
INOUE, G., Philosophy
KATSUKI, A., Physical Education
KAWAI, H., Philosophy
KAWATSU, T., Health
KOMATSU, M., Education
KOZIMA, K., History
KUMAGAI, T., Education
KUSANO, M., Mathematics
MATSUSHIMA, S., Mathematics
MORI, T., Mathematics
MORITA, S., Biology
NONOMIYA, E., Vocational Education
OGATA, S., Psychology
SATO, T., Geography
SAWA, H., Psychology
TANAKA, T., Domestic Science
TASAKI, F., Music
UCHIYAMA, K., Education
WATANABE, M., Japanese
YAMANAKA, S., Fine Arts
YANO, C., History

Faculty of Medicine:
AIZAWA, R., Hygiene
AOKI, Y., Bacteriology
ASANO, S., Pediatrics
FUJIMOTO, S., Hygiene
GOTO, T., Oto-Rhino-Laryngology
HATANO, S., Surgery
HAYASHI, I., Pathology
HIRAI, K., Surgery
KISHIMOTO, M., Ophthalmology
KONDO, A., Urology
MATSUDA, G., Biochemistry
MATSUOKA, S., Pathology
MITANI, Y., Gynæcology
NAGAI, S., Orthopædics
NAKAZAWA, Y., Pharmacology
NISHIKAWA, T., Neuro-Psychiatry
NOGITA, M., Dermatology
OMORI, N., Zoology
OSAJIMA, S., Internal Medicine
SATO, J., Anatomy
SATO, K., Physiology
SHIRABE, R., Surgery
SUZUKI, T., Physiology
TAKAOKA, Y., Internal Medicine
TAMAKI, M., Radiotherapy
TOMONAGA, T., Legal Medicine

Faculty of Economics:
KAWAMOTO, H., Economics
KAWATSU, K., Economics
KODAMA, M., Economics
KONO, Y., Economics
NISHIGUCHI, T., Law
SAKAGUCHI, M., Commercial Science
SHIGEFUZI, T., Economics
TSUKAHARA, M., Economics

Faculty of Pharmacy:
KIKUTANI, M., Biochemistry
KOBAYASHI, G., Pharmaceutical Chemistry
SHIBAZAKI, J., Pharmacognosy
SUGII, M., Pharmaceutical Chemistry
TAKABATAKE, E., Sanitary Chemistry
TAKATORI, J., Pharmacology
TANIYAMA, H., Antibiotics
YANAI, K., Medical Chemistry

Faculty of Fisheries: 11 professors

School for General Education: 8 professors

NAGOYA UNIVERSITY

FURO-CHO, CHIKUSA-KU, NAGOYA
Telephone: 87-5111.
Founded 1939.

President: U. SHINOHARA.
Secretary: R. YAMAZAKI.

Number of teachers: 895, including 311 professors.
Number of students: 5,039.

DEANS:

Faculty of Literature: S. MASHITA.
Faculty of Education: K. FURUKI.
Faculty of Jurisprudence: E. YOKOGOSHI.
Faculty of Economics: K. KITAGAWA.
Faculty of Science: K. ARIYAMA.
Faculty of Medicine: Y. HASHIMOTO.
Faculty of Engineering: I. KAGAWA.
Faculty of Agriculture: Y. GOTO.
Department of General Education: K. SANO.
Research Institute of Environmental Medicine: F. MOTOBAYASHI.
Research Institute of Atmospherics: A. KINBARA.
Institute of Plasma Physics K. FUSHIMI.

PROFESSORS:

Faculty of Literature:
ATOJI, Y., Sociology
HATANO, Y., Oriental History
IRIYA, Y., Chinese Literature
ITO, T., German Literature
KATO, R., English Literature
KITAMURA, T., Human Geography
KOZAI, Y., History of European Philosophy
MASHITA, S., Philosophy
MATSUI, T., Human Geography
MATSUMURA, H., Japanese Literature
MIZUKAWA, O., European History
NAKAMURA, H., Japanese History
NOMURA, M., Linguistics
OHAMA, A., Chinese Philosophy
SHINMURA, T., French Literature
SUMITA, S., Archæology
UEDA, Y., Hindu Philosophy
UTSUNOMIYA, K., Oriental History
YOKOSE, Z., Psychology

Faculty of Education:
AKIMOTO, T., School Administration
FURUKI, K., Adult Education
HIROOKA, R., Pedagogy
KOBORI, T., Adult Education
KONDO, S., Science and Industrial Psychology
MAEJIMA, G., English and Germanic Philology
MOTOYAMA, M., School Administration
NAKA, A., History of Education
ONISHI, S., Educational Psychology
SHIGEMATSU, T., Method of Education
TSUZUKI, A., Educational Psychology

Faculty of Jurisprudence:
HASEGAWA, M., Constitution
HIRAMATSU, Y., Legislation
HIRANO, T., Jurisprudence
IGARASHI, T., History of Political Science
INAKO, T., Civil Law
KASHIWAGI, C., Criminal Law
KITAZAWA, M., Commercial Law
MIYAKE, M., Civil Law, Labour Law
MORIMOTO, J., History of Political Ideas
NAKAGI, Y., International Law
OTSUKA, H., Criminal Law
SHINOBU, S., Political History
TANIUCHI, Y., Administration
YAMADA, R., International Private Law
YOKOGOSHI, E., Political Science

Faculty of Economics:
GOTO, K., Accounting
HOSOI, T., Economic Management
KITAGAWA, K., International Economics
MINOGUCHI, T., Social Policy
MIZUNO, S., Finance
MIZUTA, H., Commercial Policy
SHIONOYA, T., Economics
SHIOSAWA, K., Economic History
SHIROSHIMA, K., Agricultural Policy
SUEMATSU, G., Business Economics
UENO, Y., Statistics
WATANABE, S., Agricultural Economics
YAMAZAKI, K., Finance

Faculty of Science:
ARIYAMA, K., Theoretical Physics
FUKUI, S., Nuclear Physics
FUKUTA, S., Chemical Embryology
HAYAKAWA, S., Nuclear Physics
HIRATA, Y., Organic Chemistry
IIDA, K., Geophysics
ISONO, K., Geophysics
KUBO, M., Physical Chemistry
KUBOTA, T., Mathematics
MATSUZAWA, I., Tectonic Geology
MORI, T., Plant Physiology
NAGASHIMA, K., Cosmic Ray Physics
NAKANO, F., Semi-conductors
NOSHIRO, K., Analysis, Function Theory
OANA, S., Geochemistry
ONO, K., Foundation of Mathematics and Geometry
OSAWA, F., High Polymer Physics
OTA, Y., Genetics, Morphological Botany
SAKATA, S., Theoretical Physics
SANO, I., Physical Chemistry
SATO, T., Experimental Morphology
SEKIDO, Y., Cosmic Ray Physics
SUGIYAMA, M., Zoocytology
SUZUKI, S., Organic Chemistry
TAKABAYASHI, T., Cosmic Ray Physics
TAKEHARA, H., Lithology
TANAKA, M., Analytical Chemistry

TATSUZAWA, C., Analytics
UEDA, R., Crystal Physics
YAMAMOTO, T., Physiological Embryology
YAMAZAKI, K., Inorganic Chemistry
YOSHIOKA, H., Atomic Measurement

Faculty of Medicine:
AOYAMA, S., Internal Medicine
FURUTA, K., Forensic Medicine
GOTO, S., Oto-Rhino-Laryngology
HARA, J., Anatomy
HASHIMOTO, Y., Surgery
HIBINO, S., Internal Medicine
IMANAGA, H., Surgery
INOUE, T., Hygiene
ISHIZUKA, N., Obstetrics and Gynæcology
ITO, R., Physiology
KANDA, Z., Pharmacology
KANO, K., Dermatology
KOJIMA, K., Ophthalmology
KOTAKE, Y., Public Hygiene
MIYAKAWA, M., Pathology
MIZUNO, H., Public Health
NAKAE, R., Pediatrics
NAKAGAWA, M., Orthopædic Surgery
OGASAWARA, K., Bacteriology
OKADA, H., Prophylactic Medicine
SHIMIZU, K., Urology
SUGIYAMA, S., Anatomy
TAKAGI, K., Physiology
TAKAHASHI, S., Radiology
TAUCHI, H., Pathology
YAGI, K., Biochemistry
YAMADA, KAZUMARO, Anatomy
YAMADA, KOZO, Internal Medicine

Faculty of Engineering:
ADACHI, S., Hydraulics
AKAO, Y., Electromagnetic Waves
ARIZUMI, T., Electronics
DOI, S., Machining and Machinery
FURUYA, Y., Hydrodynamics
HISATSUNE, C., Casting
ICHIHARA, S., Civil Engineering
ICHIKAWA, K., Aeronautics
ICHIKAWA, M., Applications of Electric Power
IKEYA, K., Electronics
IMACHI, I., Construction Dynamics
INOUE, M., Chemical Metallurgy
ISHII, Y., Industrial Organic Chemistry
ITO, T., Dynamics of Machinery
IWAMA, M., Applied Physics
KAGAWA, I., Applied Organic Chemistry
KASUGA, Y., Machine Tools
KATO, N., Industrial Solid State Physics
KATO, S., Workshop Technology
KAWANO, M., Reactor Engineering
KIKUCHI, Y., Civil Engineering Planning
KINBARA, A., Theory of Electromagnetic Waves
KIRIHARA, A., Reactor Engineering
KURI, Z., Petro-chemistry
KURITA, M., Industrial Mathematics
MAKI, T., Automobile Engineering
MASUMOTO, I., Welding and Working of Metals
MATSUOKA, O., Metallic Engineering
MITSUI, H., Mechanical Engineering
MIYAJI, I., Electrical Engineering
MORI, K., Metallurgical Engineering
MORITA, N., Applied Physical Chemistry
MOURI, M., Civil Engineering Design
MURAKAMI, M., Hydraulics and Hydraulic Machinery
MUCHI, I., Special Metallurgical Engineering
NAGASAWA, M., Applied Physics
NARUOKA, M., Civil Engineering
NISHIHATA, I., Civil Engineering
NISHIMURA, T., Aircraft Structure
NODA, T., Applied Inorganic Chemistry
OCHIAI, Y., Electrical Communication Engineering
OGATA, Y., Applied Chemistry
OHASHI, Y., Engineering of Plasticity
OKUBO, H., Dynamics
ONDA, K., Chemical Engineering
ONO, M., Applied Nuclear Physics
OTSUKA, S., Propulsion Engineering
SAKAJI, J., Industrial Mathematics
SAKAKI, Y., Electronics
SAKAO, H., Metallurgical Physiochemistry
SANO, K., Ferrous Metallurgy
SAWAMOTO, H., Non-ferrous Metallurgy
SHIMIZU, M., Mechanics
SHIRATO, M., Fluid Mechanics
SUGIYAMA, S., Chemical Engineering
TAKAHASHI, T., Applied Inorganic Chemistry
TAKEDA, S., General Electrical Engineering
TAKEUCHI, T., Industrial Analytic Chemistry
TAMAGAWA, H., Reactor Physics
TOZAWA, Y., Iron and Steel Engineering
UCHIDA, S., Fluid Dynamics
UDAGAWA, K., Electronics
UEDA, M., Electrical Machinery
YAMAMOTO, K., Electricity and Magnetism, A.C. Theory
YAMAMOTO, T., Mechanics
YAMASHITA, Y., Chemistry of Polymerisation
YOKOO, Y., Iron and Steel Engineering
YOSHIHARA, K., Applied Physics

Faculty of Agriculture:
ASHIDA, K., Food and Nutrition
DOI, S., Zymochemistry
GOTO, J., Cattle Hygiene
GOTO, Y., Fertilisation
HASEGAWA, K., Sericulture
HIRAI, T., Pathological Botany
IYATOMI, K., Applied Entomology
KANDA, T., Chemical Technology of Forest Products
KAWADA, G., Forest Management
KONDO, K., Animal Breeding
KUMADA, K., Agronomy
MUNAKATA, K., Agricultural Chemistry
NAGATO, K., Crop Science
NAKAJO, S., Animal Reproduction
SATO, Y., Cattle Products
SHIMURA, T., Plant Breeding
SHISA, M., Horticultural Science
TAKAHARA, S., Forestry
TAKEICHI, K., Agricultural Economics
TAMURA, T., Fish Biology
TASAKI, I., Animal Nutrition
URITANI, I., Biological Chemistry
YAMAMOTO, T., Forestry
YASUDA, M., Zootomy

Depatrment of General Education:
ABE, Y., Psychology
ARAKAWA, T., Physics
CHUJO, S., German
FUZIMOTO, N., German Literature
HIDA, T., Mathematics
HIRAYAMA, T., Sociology
ITO, N., Mathematics
JIMBO, K., German
KAINUMA, Y., Physics
KAKURAI, S., Chemistry
KASHIWAGI, H., Chemistry
KAWAMURA, H., Physical Education
KIMOTO, K., Physics
KONDO, Y., Chinese Philosophy
KUMAZAWA, M., Botany
KURODA, T., Mathematics
MASAKI, K., Economics
MATSUI, S., Physical Education
MORIMOTO, A., Mathematics
MURAMATSU, M., English
MURASE, S., English
NAKAHAMA, T., Jurisprudence
NANASATO, K., Ethics
NARUSE, K., English
OSAWA, M., German
SAKAKI, T., Chemistry
SATO, K., English
SATO, M., Philosophy
SHIIDA, I., Physical Geography
SHIMADA, N., Mathematics
SONE, K., Chemistry
SUGIYAMA, A., Physics
SUZUMURA, I., Japanese Literature
TAKASE, S., English Literature
TANAKA, KEIJIRO, French
TANAKA, KIYOSHI, Botany
TOKIWAI, K., Chinese Philosophy
YAMAGUCHI, S., French
YOSHIOKA, T., Law

Research Institute of Environmental Medicine:
ISHIARA, I., Internal Medicine
MOTOBAYASHI, F., Aeronautical Medicine
MURAKAMI, U., Internal Medicine
TOYOSHIMA, H., Internal Medicine

Research Institute of Atmospherics:
ISHIKAWA, H., Physics
IWAI, A., Electrical Engineering
KINBARA, A. (Additional Post)
TANAKA, H., Electricity

Institute of Plasma Physics:
FUSHIMI, K., Plasma Dynamics
NAGAO, S., Control of H.T.P.
TAKAYAMA, K., Plasma Thermodynamics
TANIUCHI, T., Plasma Thermotics

NIIGATA UNIVERSITY

ASAHIMACHIDORI 1-BANCHO, NIIGATA

Founded 1949.

President: T. ITO, M.D.
Chief Administrative Officer: S. HARIGAE.
Librarian: S. KITAMURA.

Number of teachers: 721, including 130 professors.

Number of students: 4,770.

Publications: *Discussion Papers on Law and Fconomy, Educational Science Memoirs, Journal of Faculty of Science* (in English), *Acta Medica et Biologica* (in English), *Report of Engineering Studies, Agriculture and Forestry Studies.*

DEANS:

Faculty of Humanities: K. TANABE.
Faculty of Education: T. YAMAZAKI.
Faculty of Science: S. NISHIDA, SC.D.
Faculty of Medicine: S. NOZAKI, M.D.
Faculty of Dental Surgery: S. NOZAKI, M.D.
Faculty of Engineering: Y. SHIBATA.
Faculty of Agriculture: Z. ENOMOTO.

OKAYAMA UNIVERSITY

TSUSHIMA, OKAYAMA

Telephone: Okayama 3-0111.

Founded 1949.

President: G. AKAGI.
Chief Secretary: T. IGARI.
Chief Librarian: S. NAGATOMO.

Number of teachers: 529, including 122 professors.

Number of students: 4,043.

Publications: Bulletins and Journals of the Faculties.

DEANS:

Students: S. INO.
Education: K. SAKATE.

School of Law and Literature: N. MIZUNOE.
School of Education: K. NAKAE.
School of Science: T. INAGAKI.
Medical School: S. TAKAHARA.
School of Engineering: I. SAWAI.
School of Agriculture: S. HORI.

PROFESSORS:

School of Law and Literature:
AGUI, K.
FUJII, S.
FUJITO, M.
GO, M.
HANDA, T.
HARA, T.
HAYASHI, H.
KITAMURA, T.
KONDO, Y.
KONO, M.
KURUSHIMA, Y.
MASUDA, F.
MATSUMOTO, Y.
MIZUNOE, N.
MORIOKA, T.
NISHIMA, K.
OAE, A.
OBUCHI, N.
OOYAMA, S.
SUGI, F.
SUGIHARA, S.
TAKAYAMA, T.
TANAKA, I.
TODA, H.
YAMAMOTO, M.
YANO, M.
YOSHIDA, R.
YOSHIKAWA, T.

School of Education:
ASANO, T.
HIRADORI, T.
IKEGAMI, Y.
KANDA, K.
KITAGAWA, T.
MINAMI, K.,
MUKUMO, K.
NAGAO, H.
NAKAE, K.
OGAWARA, K.
OTA, K.
SAKATA, Y.
TANIGUCHI, S.
TODA, C.
TOKUNAGA, T.
YAMAUCHI, K.

School of Science:
ASANO, S.
FUJISHIGE, H.
HASEGAWA, S.
HIRAI, N.
INAGAKI, T.
INO, S.
IWATA, S.
KAWAGUCHI, S.
KIRIE, K.
KOZEKI, K.
MASUDA, K.,
MORIMOTO, T.
NASU, Y.
OKURA, N
OOE, J.
SHIBATA, N
TAKENOUCHI, O.
TOMISHIMA, Y.
YOKOO, A.
YOSHIMOTO, H.

Medical School:
AGAKI, G.
FUKUHARA, T.
HAMAMOTO, H.
HASHIMOTO, K.
HIRAKI, K.
INATOMI, S.
KODAMA, T.
KOSAKA, K.
MIKAMI, Y.
MIZUHARA, S.
MURAKAMI, S.
NISHIDA, I.
OGATA, M.
OHARA, M.
OKUMURA, N.
OMURA, J.
OSOGOE, B.
OUCHI, H.
SENO, S.
SUNADA, T.
TAKAHARA, S.
TANAKA, S.
TANIOKU, K.
WATANABE, Y.
YAMAMOTO, M.
YAMASAKI, H.

School of Engineering:
HIMEI, T.
HIROSE, K.
KIKUCHI, S.
MINE, T.
MISAKI, T.
MONOBE, K.
SAWAI, I.
TAKAHASHI, K.
TAKEDA, A.
YAMADA, T.

School of Agriculture:
HONDA, N.
HORI, S.
IKEDA, N.
IMAI, K.
IWAMURA, M.
KIYOHISA, M.
MATSUO, K.
NAGATOMO, S.
SHIBUYA, S.
SHINOZAKA, Y.
SHIROISHI, M.
SUDO, H.
SUGAI, K.
TAKEGAMI, S.
WADA, H.
YASUDA, I.
YONEDA, S.

Education:
MATSUMOTO, K.
NANZYO, M.
OYAMA, S.
SAKATE, K.
TASHIRO, Y.

OSAKA UNIVERSITY

36 JOANCHO, KITA-KU, OSAKA
Telephone: (443) 5061.
Founded 1931.

President: Dr. S. AKABORI.
Secretary: Y. TANAKA.
Librarian: Prof. E. KIMURA.

Number of teachers: 1,307.
Number of students: 6,505.
Publications include: *Osaka Mathematical Journal, Medical Journal of Osaka University, Law Review, Osaka Economic Papers, Annual Report of Scientific Works, Technology Reports of Osaka University, Annals of the Research Institute for Microbial Diseases, Memoirs of the Institute of Scientific and Industrial Research*, etc.

DEANS:

Faculty of Letters: M. TOKINOYA.
Faculty of Law: Y. NAKABU.
Faculty of Economics: H. KUMAGAI.
Faculty of Science: I. HONJO.
Faculty of Medicine: R. IMAIZUMI.
Faculty of Dentistry: I. YAMAMOTO.
Faculty of Pharmacy: K. HANO.
Faculty of Engineering: S. KUMAGAI.
Faculty of Engineering Science: T. UEMATSU.
General Education Course: F. IGAYA.

PROFESSORS:

Faculty of Letters:
AIHARA, S., Ethics
DATE, S., Philosophy
FUJI, N., Japanese History
KIMURA, E., Chinese Philosophy
KOMADA, K., Educational Sociology
MORI, T., Sociology
MORIYA, M., Oriental History
MOURI, Y., English Literature
MURAKAMI, S., English Literature
OOGIYA, S., History of Education
SAWAGATA, H., Philosophy
TANAKA, K., German Literature
TOKINOYA, M., Japanese History
YAMAGUCHI, E., Indian Philosophy
WADA, S., French Literature

Faculty of Law:
ISHIMOTO, M., Civil Law
KAKUDO T., Constitutional Law
KIMURA, S., Law of Obligations
KUMAGAI, K., Legal History
MORI, Y., Political Science
NAKABU, Y., Criminal Law
NAKANO, T., Civil Law
OFUCHI, N., International Law
ONOGI, T., Civil Law
OOURA, T., Politics
OSAKADANI, K., Civil Law
TAKIGAWA, H., Criminal Law
YAMADA, Y., Administrative Law
YAZAKI, M., Jurisprudence

Faculty of Economics:
FUKUDA, S., Industrial Economics
HIRATA, T., Social Policy
KINOSHITA, K., Finance
KIUCHI, K., Accounting
KUMAGAI, H., Economic Policy
MIYAMOTO, M., Economic History
SOBAJIMA, S., Economics
TAKADA, K., Management
WATANABE, T., International Economics
YOKOYAMA, T., Statistics

Faculty of Science:
DATE, M., Applied Physics
FUJITA, H., Physical Chemistry of Polymer Solutions
HIROTA, K., Physical Chemistry
HONJYO, I., Comparative Physiology
HORIE, T., Experimental Physics
IMABORI, H., Biology
ISEMURA, J., Chemistry
ITO, J., Applied Physics
IWASA, K., Biology
KAMIYA, N., Cell Physiology
KANEKO, T., Organic Chemistry
KIRIYAMA, R., Chemistry
MATSUSHIMA, YOSHIO, Organic Chemistry
MATSUSHIMA, YOZO, Mathematical Statistics
MORIMOTO, N., Chemistry
MURAHASHI, S., Polymer Science
MURAKAMI, S., Mathematical Analysis
NAGAMIYA, T., Theoretical Physics
NAGUMO, M., Mathematical Analysis
NAKAGAWA, M., Organic Chemistry
OGATA, K., Experimental Physics
OKAMOTO, T., Mathematics
OKUNUKI, K., Microbiology
OOSAKI, K., Experimental Science
OTOZAI, K., Radiochemistry
SATO, I., Biology

Sato, M., Mathematical Analysis
Sato, R., Chemistry
Seki, S., Physical Chemistry
Shimura, G., Algebra
Sugimoto, K., Nuclear Science
Tadokoro, H., Polymer Science
Takebayashi, M., Chemistry
Tani, H., Organic Chemistry of High Polymers
Tonomura, Y., Biology
Uchiyama, T., Theory of Elementary Particles
Wakatsuki, T., Atomic Physics
Yamabe, H., Mathematics
Yoshida, S., Quantum Physics
Yukawa, Y., Chemistry
Yuki, H., Polymer Science

Faculty of Medicine:
Amano, T., Bacteriology
Ashidaka, Y., Gynæcology and Obstetrics
Ban, T., Anatomy
Fujinami, T., Dermatology
Gamoh, I., Pædiatrics
Hagiwara, B., Biology
Hasegawa, T., Oto-Rhino-Laryngology
Hayashi, O., Biochemistry
Imaizumi, R., Pharmacology
Iwama, K., Anatomy
Jinnai, D., Surgery
Kaneko, J., Psychiatry
Kikkawa, H., Heredity
Kohama, M., Anatomy
Kondo, M., Radiotherapy
Kubo, H., Physiology
Kusunoki, T., Urology
Maruyama, H., Public Health and Hygiene
Matsukura, T., Forensic Medicine
Miyazi, T., Pathology
Mizukawa, T., Ophthalmology
Mizuno, S., Orthopædics
Nishizawa, Y., Pediatrics
Okano, K., Pathology
Seki, T., Public Health
Simizu, N., Anatomy
Suda, M., Dietetics
Tachiiri, H., Radiotherapy
Takeda, Y., Surgery
Yamamura, K., Internal Medicine
Yamano, T., Biology
Yoshida, T., Internal Medicine
Yoshii, N., Physiology

Faculty of Dentistry:
Kawai, S., Prosthetic Dentistry
Kawakatsu, K., Oral Surgery
Kawamura, Y., Oral Physiology
Matsumura, T., Oral Hygiene
Nagai, I., Oral Surgery
Nishizima, S., Oral Anatomy
Sima, Y., Oral Medicine
Simofusa, T., Prosthetic Dentistry
Takeda, Y., Oral Biology
Takimoto, K., Orthodontics
Terasaki, T., Oral Pathology
Yamaga, R., Dental Technology
Yamamoto, T., Biology
Yokomizo, I., Oral Medicine

Faculty of Pharmacy:
Aoki, M., Pharmaceutics
Aonuma, S., Pharmaceutical Radiochemistry
Hano, K., Pharmacology
Horii, Z., Pharmaceutical Chemistry
Inubashi, Y., Pharmaceutical Chemistry
Kawasaki, C., Chemical Hygiene
Takiura, K., Analytical Pharmacy
Uehara, K., Biochemistry
Yoshioka, I., Pharmacognosy

Faculty of Engineering:
Adachi, A., Metallurgy
Adachi, T., Structural Engineering
Ando, K., Welding Engineering
Aoyagi, K., Communication Engineering
Arata, Y., Welding Engineering
Fujita, S., Applied Physics
Hamada, M., Structural Engineering
Harada, H., Naval Architecture
Inuishi, Y., Electrical Engineering
Ishino, T., Chemical Technology
Ishiya, K., Steam Engines
Itakura, K., Communication Engineering
Ito, H., Ultra High Temperature Engineering
Itoh, K., Sanitary Engineering
Itoh, T., Structural Engineering
Jyo, K., Precision Machinery
Kasahara, Y., Communication Engineering
Kikkawa, M., Mechanical Engineering
Kitamura, Z., Electronic System Engineering
Komori, S., Chemical Technology
Kumagai, S., Communication Engineering
Matsuda, S., Chemical Technology
Mima, G., Metallurgy
Minorino, S., Metallic Materials
Mitsutani, H., Metallurgy
Miyawaki, K., Electronic Control Engineering
Murata, S., Hydraulic Engineering
Niizu, Y., Mechanical Engineering
Nishimura, M., Electrical Engineering
Ogasawara, M., Mechanical Engineering
Okada, M., Welding Engineering
Okujima, S., Structural Engineering
Onishi, I., Welding Engineering
Oogawara, R., Petrochemical Engineering
Otake, T., Chemical Technology
Otani, M., Naval Architecture
Ozaki, H., Aeronautical Electronics
Sakurai, Y., Nuclear Instrument Engineering
Sano, T., Reactor Engineering
Sasazima, H., Naval Architecture
Sato, K., Welding Planning
Senda, K., Applied Mechanics
Shibasaki, I., Fermentation Technology
Shinagawa, M., Nuclear Chemical Engineering
Shinoda, G., Precision Machinery
Shinra, K., Chemistry
Shoji, I., Nuclear Engineering
Soejima, Y., Precision Machinery
Sugata, E., Nuclear Engineering
Sugiyama, H., Strength of Materials
Suita, T., Nuclear Engineering
Tanaka, Y., Precision Machinery
Terada, M., Electronic Tube Planning
Teramoto, S., Fermentation Technology
Terazawa, K., Naval Architecture
Terui, G., Fermentation Technology
Tokura, J., Nuclear Engineering
Tsueda, M., Mechanical Engineering
Tsutsumi, S., Chemical Technology
Tsuwa, H., Precision Metrology
Ueda, T., Precision Machinery
Washio, K., Structural Engineering
Watanabe, M., Welding Engineering
Yamamura, Y., Electrical Engineering
Yasumi, M., Structural Engineering
Yoshinaga, H., Precision Machinery

Faculty of Engineering Science:
Fujisawa, K., Electrical Engineering
Kunugi, K., Applied Mathematics
Moritani, I., Chemistry
Nakazaki, M., Chemistry
Uematsu, T., Fluid Mathematics
Yamaguchi, J., Electrical Engineering

General Education Course:
Ando, Y., German
Asano, Y., Physics
Goto, T., English
Hayashi, Kazuhiko, Japanese Language
Hayashi, Kazuo, French
Hirashita, K, Philosophy
Igaya, H., Occidental History
Imabori, K., Biology
Inoue, K., Japanese History
Inugai, T., Japanese and Oriental Literature
Kawaguchi, S., Economics
Kobatake, N., Geography
Koizumi, M., Physical Geology
Manabe, H., Psychology
Matsuda, H., Physics
Mizuno, K., Mathematics
Nakahara, S., Chemistry
Nakamura, T., German
Nishiyama, T., Physics
Ochiai, T., Constitution
Ogiwara, G., Physiology
Oomi, S., Drawing
Oshima, M., Mathematics
Saito, H., Physics
Saito, K., German
Sato, I., Biology
Sato, M., Mathematics
Shibata, T., English
Shimizu, K., Oriental Literature
Shiozaki, S., German
Suganuma, S., English
Suzuki, S., German
Takase, S., Chemistry
Takebayashi, M., Chemistry
Takewaki, M., Physics
Tamura, K., English
Tori, Y., Mathematics
Usami, K., Japanese and Oriental Literature
Tsubomitsu, S., Mathematics
Ushioda, F., Oriental History
Watanabe, K., Occidental Literature
Watanabe, T., Physics
Yoshida, Y., English

SHINSHU UNIVERSITY

109 ASAHI-MACHI, MATSUMOTO

Telephone: 3-4600.

Founded 1949.

President: H. Mimura.
Administrator: K. Sugita.

Number of students: 4,030.

Deans:

Faculty of Literature and Science: K. Nakayama.
Faculty of Education: S. Kato.
Faculty of Medicine: U. Wago.
Faculty of Engineering: Y. Morimoto.
Faculty of Agriculture: M. Matsuzawa
Faculty of Textiles: K. Koizumi.

SHIZUOKA UNIVERSITY

OIWA-CHO 2-CHOME, SHIZUOKA

Telephone: Shizuoka 52-7141.

Founded 1949.

President: Y. Watanabe.
Chief of Secretariat: K. Morita.

Number of teachers: 374.
Number of students: 4,323.

Deans:

Faculty of Humanities: K. Kawachi.
Faculty of Education: S. Endo.
Faculty of Science: F. Kiritani.

College of General Education: K. UNO.
Research Institute of Electronics: T. HORII.
Faculty of Engineering: I. HIGUCHI.
Faculty of Agriculture: E. ITO.

TOHUKU UNIVERSITY

KATAHIRACHO, SENDAI

Telephone: Sendai 23-5111.

Founded 1907.

President: T. ISHIZU.
Secretary: T. SOGA.
Director of University Library: O. KANAYA.
Chief Librarian: T. TAKAGI.

Number of teachers: 634, including 459 professors.

Number of students: 8,397, including 1,126 graduates.

Publications: *Science Reports of Tohuku University* (Series I-VII), *Ecological Review, Bulletin of the Marine Biological Station of Asamushi, Tohuku Journal of Experimental Medicine, Law, Tohuku Journal of Agricultural Research, Economics, Science Reports of the Research Institutes* (Series A-D).

DEANS:

Dean of Students: M. KEI-ICHI.
Faculty of Science: I. MOTOMURA.
Faculty of Medicine: K. MOTOKAWA.
Faculty of Engineering: T. KATO.
Faculty of Law: H. SAITO.
Faculty of Arts and Letters: Y. YAJIMA.
Faculty of Economics: K. NAKAMURA.
Faculty of Education: K. SUMERAGI.
Faculty of Agriculture: M. UMEZU.
Kawauchi College of Arts and Sciences: T. NAGANO.
Teachers' Training Course, Faculty of Education: T. SHIGEKURA.

PROFESSORS:

Faculty of Science:
AOKI, K., Biology
ASANO, K., Geology
AZUMI, H., Chemistry
FUKAMIYA, M., Mathematics
FUKUROI, T., Physics
HATAI, K., Geology
HAYASI, T., Physics
HIRAHARA, E., Physics
HITOTSUYANAGI, Z., Astronomy
IWAI, J., Geology
KANDA, E., Physics
KATO, M., Biology
KATO, Y., Geophysics
KAWANO, Y., Petrology
KIMURA, M., Nuclear Science
KOIZUMI, M., Chemistry
MORITA, A., Physics
MORITA, S., Nuclear Physics
MOTOMURA, I., Biology
NAGAO, M., Biology
NAKABAYASHI, K., Physics
NAKANISHI, K., Chemistry
NISHIMURA, K., Geography
NOH, T., Geography
NOZOE, T., Chemistry
OKA, Y., Chemistry
OMORI, K., Mineralogy
SAITO, K., Chemistry
SHIOKAWA, T., Chemistry
SUGAYA, S., Biology
SUNOUCHI, G., Mathematics
SUZUKI, Z., Geophysics
TAKAKUBO, K., Astronomy
TAKEUCHI, T., Science of Mineral Deposits
TAKEDA, G., Nuclear Theory
TANAKA, N., Chemistry
TANNAKA, T., Mathematics
UETA, M., Physics
USHIJIMA, N., Science of Fuel Deposits
YAMAMOTO, G., Geophysics
YOSHIOKA, K., Biology

Faculty of Medicine:
AKAZAKI, K., Pathology
ARAKAWA, T., Pediatrics
HASHIMOTO, K., Pharmacology
IINO, S., Orthopædic Surgery
ISHIBASHI, T., Psychiatry and Neurology
ISHIDA, N., Bacteriology
IWATSUKI, K., Anæsthesiology
KAMETANI, T., Synthetic Organic Chemistry
KASAI, M., Surgery
KATAGIRI, S., Oto-Rhino-Laryngology
KATO, T., Pharmaceutical Chemistry
KIKUCHI, G., Biochemistry
KIRISAWA, N., Ophthalmology
KUSHIMA, K., Obstetrics and Gynæcology
MAKI, T., Surgery
MORI, T., Anatomy
MOTOKAWA, K., Physiology
MURAKAMI, T., Forensic Medicine
NAKAMURA, T., Internal Medicine
OKANO, S., Analytical Chemistry
OKUI, S., Hygienic Chemistry
OZAWA, H., Chemical Pharmacology
SAKKA, M., Radiation Research
SEGI, M., Public Health
SHIMANOUCHI, T., Hospital Administration
SHISHIDO, S., Urology
SUGIYAMA, T., Balneology
SUWA, N., Pathology
SUZUKI, T., Applied Physiology
TAKAHASHI, E., Hygiene
TAKAHASHI, Y., Dermatology
TAKEMOTO, T., Natural Products
TORIGAI, T., Internal Medicine
URA, R., Anatomy
WADA, M., Physiology
YAMAGATA, S., Internal Medicine
YAMAMOTO, T., Anatomy
YOSHIZAWA, Z., Biochemistry

Faculty of Engineering:
AIDA, K., Applied Science
AMAGASA, M., Applied Chemistry
ANAYAMA, T., Electrical Engineering
ASO, T., Electrical Engineering
ATSUMI, A., Mechanical Engineering
EGUCHI, M., Mining Engineering
FUCHIZAWA, S., Mechanical Engineering
FUJII, Y., Precision Engineering
FUJITA, K., Architecture
FUKUSHIMA, K., General Engineering
FUWA, T., Metallurgy
GOTO, Y., Civil Engineering
HAGIHARA, Z., Nuclear Engineering
HATTA, Y., Electronic Engineering
HAYKAWA, N., Mining Engineering
HIURA, D., Civil Engineering
HORIBE, T., Mining Engineering
IIDA, S., Architecture
IGAKI, K., Materials Science
IWASAKI, T., Civil Engineering
KAMEDA, M., Metallurgy
KAMEI, I., Architecture
KANEKO, H., Materials Science
KARASHIMA, S., Materials Science
KATO, T., Applied Chemistry
KATSURA, S., Applied Science
KAWAKAMI, F., Civil Engineering
KAWASAKI, T., Mechanical Engineering
KAYABA, T., Mechanical Engineering
KIKUCHI, T., Electronic Engineering
KIYONO, S., Applied Physics
KOBAYASHI, K., Nuclear Engineering
KOBAYASHI, T., Materials Science
KUNORI, S., Mining Engineering
KURIYAMA, Y., Architecture
MAEDA, S., Chemical Engineering
MANO, K., Electrical Communications
MASUDA, Y., Metallurgy
MATSUMOTO, J., Civil Engineering
MATSUO, T., Electronic Engineering
MITSUI, S., Applied Science
MONMA, K., Materials Science
MORIAKA, S., Metallurgy
MURAKAMI, K., Applied Chemistry
MUSHIAKE, Y., Electrical Communications
NAMIDOME, K., Mining Engineering
NIMURA, T., Electrical Engineering
OHIRA, G., Metallurgy
OKABE, T., Applied Chemistry
OTSUKA, Y., Mechanical Engineering
SAITO, H., Mechanical Engineering
SAKAI, T., Precision Engineering
SATO, K., Precision Engineering
SATO, R., Electrical Communications
SHIMIZU, H., Electrical Communications
SHIMOIIZAKA, J., Mining Engineering
SUDO, K., Nuclear Engineering
SUNAKAWA, S., Nuclear Engineering
SUTO, H., Materials Science
TAKAKU, K., Applied Science
TAKANO, T., Electrical Engineering
TAKEYAMA, H., Precision Engineering
TAMATE, O., Mechanical Engineering
TANASAWA, Y., Precision Engineering
TAYA, T., Civil Engineering
TOSHIMA, S., Applied Chemistry
TOBE, T., Precision Engineering
TOKUHISA, H., Applied Chemistry
UMEYA, K., Chemical Engineering
WADA, M., Electronic Engineering
YAMAGUCHI, T., Applied Chemistry
YOKOBORI, T., Mechanical Engineerin
YOSHIDA, S., Electronic Engineering
YOSHIZAWA, Y., Mining Engineering
YUI, N., Applied Science

Faculty of Law:
HATTORI, E., Commercial Law
HIRONAKA, T., Civil Law
HOKAO, K., Labour Law
IKUYO, T., Civil Law
KAMO, Y., Criminal Procedure
MIYATA, M., Political Science
ODA, S., International Law
ORIMO, Y., Private International Law
SAITOU, H., Civil Procedure
SERA, T., Occidental Legal History
SHOJI, K., Criminal Law
SOGAWA, T., Political Procedure
SUGAWARA, K., Civil Law
SUZUKI, R., Civil Law
TAKAYANAGI, S., Domestic Law
YANASE, Y., Administrative Law

Faculty of Arts and Letters:
ARINAGA, H., French Literature
GIONJI, N., Occidental History
HATANO, H., Indology
HORI, I., History of Religion
HOSOYA, T., Philosophy
IESAKA, K., Sociology
ISHIDA, E., History of Religion
ISHIDA, I., History of Japanese Thought
ISHII, T., Japanese History
ITO, N., Archæology
KAMETA, T., History of Oriental and Japanese Art
KANAYA, O., Chinese Philosophy
KIBA, J., Philosophy
KITAMURA, S., Psychology
KITAZUMI, T., Japanese Literature
MAGATA, N., Philosophy
MURAOKA, I., English Literature
MURATA, K., Aesthetics
OTAGI, M., Chinese History
SATO, K., Japanese Language

SHIBATA, J., German Literature
SOGABE, S., Chinese History
TASHIRO, F.
TOYATO, T., Japanese History
UCHIDA, M., Chinese Literature
YAIJMA, Y., Ethics
YAMAWAKI, S., History
YASUI, M., English Philology

Faculty of Economics:
HARADA, S., Economics
KIKUJI, T., Economics
KINOSHITA, A., Agricultural Economics
KUNIHIRO, K., Business Organisation and Management
NABESHIMA, T., Accountancy
NAKAMURA, K., Economic History
SAITO, S., Economy of Japan
SHINTARO, Y., Public Finance
SUENAGA, S., History of Economics
YASUI, T., Principles of Economics
YONEZAWA, H., Statistics

Faculty of Education:
HAYASHI, T., History of Education
HORIE, S., Special Education
MATSUMOTO, K., Development Psychology
MIZUNO, Y., Philosophy
NAKAJIMA, T., Educational Administration
SUMERAGI, K., School Management
TAKEUCHI, T., Social Education
TSUKADA, T., Educational Psychology
TSUSHIMURA, K., Curriculum

Faculty of Agriculture:
FUJIWARA, A., Agricultural Chemistry
HIRANO, S., Agronomy
ICHIKAWA, O., Animal Husbandry
IMAI, T., Fisheries
ITO, H., Agronomy
KIMURA, K., Fisheries
KOYANAGI, T., Nutrition
MATSUDAIRA, C., Fisheries
MATSUMOTO, T., Animal Husbandry
MISAWA, T., Agronomy
MIZUSHIMA, U., Agronomy
NAKANISHI, T., Animal Husbandry
NISHIDA, S., Animal Husbandry
SHIBAZAKI, K., Food Chemistry
SHIMURA, K., Agricultural Chemistry
TAKEUCHI, S., Animal Husbandry
TOBA, A., Animal Husbandry
TSUCHIYA, Y., Fisheries
TSUZIMURA, K., Food Chemistry
UCHIYAMA, N., Agronomy
UMEZSU, M., Animal Husbandry
WADA, K., Agronomy

Kawauchi College of Arts and Sciences:
ARISAKA, N., Mathematics
ATODA, K., Biology
FUKUDA, H., German
FUKUMOTO, Y., Physics
GONMORI, S., French
HAYASHI, G., Mathematics
HONDA, S., Philosophy
HUKUMOTO, Y., Physics
IDA, T., English
IMAIZUMI, K., Geology
INOUE, N., Chemistry
ITO, T., Occidental History
KATO, T., English
KAWAMOTO, S., Physics
KIRA, M., English
KUROHA, S., Occidental History
MATSUYAMA, T., German
MINEGISHI, Y., Japanese Language
MIYAKAWA, Z., Descriptive Geography
MORI, I., Chemistry
NAKANO, K., German
NISHIMURA, T., Occidental History
NUI, J., English
ODA, S., Ethics
OGIHATA, T., Japanese Language
OKUTSU, H., Geology
SAGAWA, O., Chinese Literature
SAKUMA, T., Law
SETO, K., Chemistry
SHIGA, T., German Language
SHIMIZU, Y., Biology
SHIRAI, S., Physics
SUDO, N., German
TAKAHASHI, T., Japanese History
TAKIZAWA, J., English
TSUCHIKURA, T., Mathematics
TSUMURA, K., German
TSUSHIMA, S., Sociology
WATANABE, Y., Philosophy
YAGI, H., Economics
YAMADA, Z., Law
YAMAGUCHI, M., Chemistry
YAMAMOTO, S., Physics
YAMASHITA, C., Mathematics
YOSHIDA, K., Chinese Literature

Teachers' Training Course, Faculty of Education:
FUNAYAMA, Y., Geology
HASEGAWA, M., Geology
HIWATASHI, K., Biology
IWAMA, M., Western History
KUNIYOSHI, H., Mathematics
ONUKI, Y., Geology
OSANAI, T., Physics
SHIGEKURA, T., Law
SHIMADA, T., Economics
SUGIHARA, Y., Biology
SUGIMURA, J., Fine Arts
TAIRA, S., Japanese History
TANABE, K., Geography
TSUNODA, K., Optical Physiology and Pathology
TSURUMARU, T., Mathematics

THE UNIVERSITY OF TOKUSHIMA

6 SHINKURA-CHO 2-CHOME,
TOKUSHIMA-SHI,
TOKUSHIMA-KEN

Telephone: (2) 5131.

Founded 1949.

President: K. KODAMA, M.D.
Registrar: S. KONDO.
Librarian: N. TAMURA.

Number of teachers: 395.
Number of students: 2,403.
Publications: Scientific Papers, Faculty Journals.

DEANS:

Faculty of Education and Liberal Arts: S. KAWAHARA.
Faculty of Pharmaceutical Sciences: I. HANJIRO, PH.D.
Faculty of Engineering: T. KUME, D.SC.
School of Medicine: K. KURODA, M.D., D.MED.SC.
College of General Education: K. TOMIMOTO, LITT.D.

PROFESSORS:

Faculty of Education and Liberal Arts:
AMANO, M., Health and Physical Education
FUKUI, Y., Geography
FURUICHI, K., Philosophy
FURUKAWA, S., Pedagogy
HASHIMOTO, J., Economics
HIRAGIMA, T., Mathematics Education
ISA, S., Agriculture
KAGAWA, Y., Biology
KAWAHARA, S., Pedagogy
KAWANO, T., Fine Arts
MIKI, O., Japanese Language Education
MIYAGI, F., Japanese Philology and Literature
MURAI, M., Pedagogy
NAGAYASU, T., Natural Science Education
NAKAMURA, T., Chemistry
NOGUCHI, F., Domestic Science
ODA, N., Psychology
OKADA, K., SC.D., Biology
OKINO, S., Social Science Education
SHIMADA, I., D.SC., Analysis, Applied Mathematics
TAKAHASHI, M., Jurisprudence and Politics
TANAKA, K., History
TANAKA, S., Calligraphy
TOMINO, Y., Sociology
UENO, T., English Philology and Literature
YASUDA, Y., Music
YAZAMA, Y., Industrial Arts

Faculty of Pharmaceutical Sciences:
HIGASHI, J., PH.D., Pharmacognosy
HIRAGATA, T., Chemical and Pharmaceutical Technology—Organic
ISHIDA, Y., PH.D., Chemical Pharmacology
ITO, H., PH.D., Biochemistry
KAMETANI, F., PH.D., Pharmaceutical Chemistry of Microbial Products
KOBAYASHI, S., PH.D., Pharmaceutical Chemistry
KUBOTA, S., PH.D., Chemical and Pharmaceutical Technology—Inorganic
MIZOBUCHI KANICHI, PH.D., Pharmacognostical Chemistry
TAMURA, N., Pharmaceutics
TANASE, Y., PH.D., Pharmaceutical Analytical Chemistry
TSUKATANI, H., PH.D., Hygienic and Forensic Chemistry

Faculty of Engineering:
AKIZONO, K., D.E., Inspection
ARAKI, K., D.E., Materials of Construction, Concrete Engineering
HARADA, N., D.E., Microwave Engineering
HISANO, T., D.E., Inorganic Chemistry and Electrochemistry
HOSHI, H., D.E., Applied Mechanics, Bridge Engineering
IKENO, E., D.E., Electromagnetic Theory and Circuit Theory
INADA, S., D.E., Precision Measurement
ISHIGURO, Y., D.E., Electronics, Communication Engineering
KASEI, S., D.E., Precision Materials
KINNO, H., D.E., Automatic Control
KOI, Y., D.SC., Applied Physics
KUME, T., D.SC., Analytical and Physical Chemistry
MARUYAMA, T., Applied Mathematics
MORIMOTO, S., D.SC., Chemical Reaction Engineering
NITHUTA, K., D.E., Electrical Machines and Apparatus
NITTA, K., D.E., Electrical Machines and Apparatus
ODA, E., D.E., Soil Mechanics, Railway and Roadway Engineering
OKUMURA, S., D.SC., M.D., Organic Chemistry
SOEDA, T., D.E., Heat Engineering
SUGIO, S., D.E., Hydraulics, River and Harbour
SUZUKI, Y., D.E., Electric Power Engineering
URAKAWA, K., D.E., Hydrodynamics
WATANABE, T., D.E., Hydraulics, Hydraulic Machinery
YASUMURA, Z., D.SC., Chemistry of High Polymers

School of Medicine:
ABURAYA, T., Internal Medicine
ADACHI, H., M.D., Gynæcology and Obstetrics

Arakawa, T., M.D., Dermatology and Urology
Fujii, S., M.D., Enzyme Chemistry
Fukui, T., M.D., Public Health
Imaizumi, K., M.D., Psychiatry
Kajimoto, Y., M.D., Pharmacology
Katsunuma, N., M.D., Enzyme Chemistry
Kawamura, F., M.D., Radiology
Kitamura, Y., M.D., Pediatrics
Kuroda, K., M.D., Biochemistry
Kurokawa, K., M.D., Urology
Mitui, Y., M.D., Ophthalmology
Miyoshi, K., M.D., Internal Medicine
Morikawa, Y., M.D., Pathology
Nimi, K., M.D., Anatomy
Ogata, K., M.D., Pathology
Oka, Y., M.D., Physiology
Shikata, I., M.D., Forensic Medicine
Shirakawa, G., M.D., Oto-Rhino-Laryngology
Suzuki, Y., M.D., Hygiene
Takahashi, K., M.D., Surgery
Takashima, R., M.D., Anatomy
Takita, S., M.D., Surgery
Yamada, K., M.D., Orthopædic Surgery
Yoshida, N., M.D., Bacteriology

College of General Education:
Koizumi, Y., English
Maruyama, Y., Literature
Mishima, C., D.SC., Chemistry
Mori, R., German
Nose, H., D.AG., Biology
Okabe, T., Economics
Sato, T., German
Taga, S., Mathematics
Tomimoto, K., LITT.D., History

THE UNIVERSITY OF TOKYO

HONGO, BUNKYO-KU, TOKYO

Central Telephone: 812-2111.

Telegraphic Address: Tokuniv.

Founded 1877.

President: Dr. K. Okochi.
Administrator: M. Turuta.
Librarian: Dr. Y. Ito.

Number of teachers: 4,130, including 764 professors.
Number of students: 15,678.

Deans:

College of General Education: S. Aihara
Faculty of Law: Dr. M. Kubo.
Faculty of Economics: Dr. K. Suzuki.
Faculty of Letters: Dr. H. Nakamura.
Faculty of Education: S. Katsuta.
Faculty of Engineering: Dr. T. Sakamoto.
Faculty of Science: Dr. S. Iyanaga.
Faculty of Agriculture: K. Kamiya.
Faculty of Medicine: Dr. H. Yoshikawa.
Faculty of Pharmaceutical Sciences: Dr. H. Nogami.

Professors:

College of General Education:
Abe, A., Literature
Abe, Y., Literature
Aihara, S., Economics
Aizawa, H., German Language and Literature
Ando, H., German Language and Literature
Aomi, J., Law
Asakura, S., French Language and Literature
Doi, H., French Language and Literature
Doke, T., German Language and Literature
Eguchi, B., History
Fujikawa, H., German Language and Literature
Fujiki, K., History
Fujimura, H., German Language
Furuya, S., Mathematics
Hara, T., Philosophy
Hasegawa, S., English Language and Literature
Hidemura, K., History
Hikami, H., German Language and Literature
Ichikawa, Y., Literature
Ikuta, T., Drawing
Imahori, K., Chemistry
Inoura, Y., Literature
Ishiguro, K., Physics
Isoda, H., Drawing
Iwanaga, K., Political Science
Iwao, S., Earth Sciences
Izumi, S., Anthropology
Kanazawa, H., Physics
Kanda, J., Physical Education
Kaneko, T., Literature
Katayama, N., Earth Sciences
Kato, K., Physical Education
Katsuta, S., Science of Education
Kimura, S., Russian Language and Literature
Kimura, T., Earth Sciences
Kimura, Y., Modern Science
Kishibe, S., History
Kitagawa, T., English Language and Literature
Kiuchi, S., Human Geography
Koda, A., Drawing
Kudo, T., Chinese Language and Literature
Kyogoku, J.-I., Political Science
Maeda, Y., French Language and Literature
Matsumura, T., English Language and Literature
Matsushima, S., Sociology
Matsuura, N., Chemistry
Mayeda, G., Classical Languages
Mikami, T., History
Mine, T., English Language and Literature
Miyabe, K., English Language and Literature
Mori, S., Mathematics
Moriya, M., Mathematics
Murase, I., Mathematics
Mushanokoji, S., French Language and Literature
Nagashima, C., Physical Education
Nakamura, T., English Language and Literature
Nakaya, K. I., History
Naruse, M., Literature
Nogami, M., Physics
Nojima, M., German Language and Literature
Nomura, T., German Language and Literature
Nomura, Y., Chemistry
Numanoi, H., Biology
Oga, K., German Language and Literature
Ogasawara, J., Psychology
Ogi, M., German Language
Ono, S., Physics
Saito, E., German Language and Literature
Saito, H., English Language and Literature
Sato, D., Biology
Shiomi, K., Chemistry
Shumata, N., English Language and Literature
Sugawara, H., Biology
Tada, K., English Language and Literature
Takagi, S., Physics
Takahashi, M., Chemistry
Takamura, S.-I., English Language
Tamaki, H., Physics
Tamanoi, Y., Economics
Tamura, J., Mathematics
Tanaka, T., German Language and Literature
Tatsuzawa, C., Mathematics
Terada, T., French Language and Literature
Tsuneki, M., German Language and Literature
Tsunoda, Y., Chemistry
Uchida, T., Economics
Ueno, K., English Language and Literature
Uraguchi, K., Public Health
Yamamoto, K., Law
Yamamoto, Y., Biology
Yamazaki, M., Philosophy
Yamazaki, S., Mathematics
Yoshino, Y., Chemistry
Yoshioka, K., Chemistry
Yoshioka, T., History
Yuasa, A., Biology

Faculty of Law:
Aomi, J., Philosophy of Law
Ashibe, N., Comparative Constitutional Law
Dando, S., Criminal Law
Fukuda, K., History of Political Theory
Hirano, R., Criminal Procedure
Hoshino, E., Civil Law
Ikehara, S., Conflict of Law
Ishii, R., Japanese Legal History
Ishii, T., Commercial Law
Ishikawa, K., Labour Law
Ito, M., Anglo-American Law
Kataoka, T., Roman Law
Kato, I., Civil Law
Kawashima, T., Civil Law
Kobayashi, N., Constitutional Law
Kubo, M., Occidental Legal History
Kurusu, S., Civil Law
Maruyama, M., History of Oriental Political Thought
Mikazuki, A., Civil Procedure
Noda, Y., French Law
Ogawa, I., Administrative Law
Oka, Y., Political Science
Otori, T., Commercial Law
Saito, M., Constitution, History and Diplomacy of America
Sakamoto, Y., International Politics
Shiga, S., Oriental Legal History
Sinohara, H., Political History
Suzuki, T., Commercial Law
Takano, Y., International Law
Tanaka, H., Anglo-American Law
Terasawa, H., International Law
Tsuji, K., Science of Public Administration
Yamada, A., German Law
Yazawa, M., Commercial Law
Yokoyama, M., Diplomatic History

Faculty of Economics:
Ando, Y., Economic History of Modern Japan
Emura, M., Accounting
Endo, S., Public Finance
Kimura, S., Accounting
Kimura, T., History of Economic Doctrines
Konno, G., Transportation Economics
Matsuda, T., Western Economic History
Miyasawa, K., Mathematical Statistics
Moroi, K., Accounting
Nakagawa, K., Business History
Nakamura, T., Business Administration
Oishi, Y., Economic Statistics
Okochi, K., Labour Problems and Labour Relations
Otsuka, H., Western Economic History

Ouchi, T., Agricultural Economics
Sumiya, M., Industrial Economics
Suzuki, K., Economics Theory
Tachi, R., Money and Banking
Takeda, T., Public Finance
Yamaguchi, K., Economic History of Japan
Yanagawa, N., Business Administration
Yokoyama, M., Economic Policy

Faculty of Letters:
Akatsuka, K., Chinese Philosophy
Aoki, Y., English Language and Literature
Enoki, K., Oriental History
Fukutake, T., Sociology
Furukawa, T., Ethics
Gomi, T., Japanese Literature
Hattori, S., Linguistics
Hayashi, K., Occidental History
Hirai, M., English Literature
Hirakawa, A., Indian Buddhism
Hogetsu, K., Japanese History
Horigome, Y., Occidental History
Ichiko, T., Japanese Literature
Inoue, K., French Literature
Iwasaki, T., Philosophy
Kobayashi, T., French Language and Literature
Kodzu, H., Linguistics
Kunimatsu, K., German Language and Literature
Matsumura, A., Japanese Language
Murakawa, K., Occidental History
Nakamura, H., Indian Philosophy
Odaka, K., Sociology
Ono, S., Chinese Language and Literature
Saito, T., Archæology
Sato, K., German Literature
Sato, S., Medieval History
Shimomura, F., Japanese History
Sudo, Y., Oriental History
Takeuchi, T., Æsthetics
Tamaki, K., Indian Philosophy
Todo, A., Chinese Language and Literature
Umezu, H., Psychology
Uno, S., Chinese Philosophy
Yagi, B., Psychology
Yamamoto, T., Oriental History
Yoshikawa, I., History of Fine Arts

Faculty of Education:
Hosoya, T., Methods of Education
Ikai, M., Physical Education
Katsuta, S., Philosophy of Education
Miki, Y., Educational Psychology
Miyahara, S., Social Education
Mizuno, T., Physical Education
Munakata, S., Educational Administration
Naka, A., History of Education
Sawada, K., Educational Psychology
Shimizu, Y., Educational Sociology
Suto, S., Health Education
Yoda, A., Educational Psychology

Faculty of Engineering:
Amemiya, A., Theoretical Physics and Applied Mathematics
Ando, S., Fuel Chemistry
Ando, Y., Nuclear Propulsion and Reactor Structure
Aoki, M., Physical Electronics
Aoki, Y., Precision Engineering
Araki, T., Metallurgy
Asaka, T., Mathematical Statistics
Azuma, K., Non-ferrous Extractive Metallurgy
Chijiiwa, K., Plastic Working and Casting
Fuchida, T., Applied Geophysics and Reservoir Engineering
Fujii, K., Petroleum Drilling and Production Engineering
Fujii, S., Vehicle Engineering
Fujitaka, S., Electric Power Engineering
Fukui, S., Precision Engineering
Gokyu, I., Physical Metallurgy
Hasiguti, R., Metal Physics
Hasunuma, H., Applied Physics
Hatta, K., Aero Engines
Hayashi, T., Aeronautics
Higasa, T., Housing Planning
Hikita, T., Combustion Chemistry
Hioki, R., Applied Optics
Hirai, A., Bridge Engineering
Hiramoto, F., Merchant Ship Design
Hisamatsu, Y., Electro-Metallurgy
Hoh, S., Electrical Engineering
Homma, M., Harbour and Coastal Engineering
Hori, Y., Machine Structures
Iki, S., Coal Mining
Imai, H., Economic Geology
Imaizumi, T., Mineral Dressing
Imose, H., Electronic Engineering
Imoue, T., Transportation Planning
Inui, T., Naval Architecture
Inui, T., Theoretical Physics and Applied Mathematics
Ishibashi, T., Sanitary Engineering
Ishidzu, T., Theoretical Physics
Ishikawa, K., Fuel Chemistry, Heat Economy, Quality Control
Isobe, T., Instrumentation Physics
Iwakura, Y., Synthetic Chemistry
Jimbo, Y., Precision Machinery and Vibration Engineering
Kamada, H., Techno-Analytical Chemistry
Kamiyama, M., Physical Electronics
Kanazawa, T., Naval Architecture
Katto, Y., Marine Engineering
Kawada, M., Internal Combustion Engines
Kawai, K., Petroleum and Natural Gas Geology
Kawakatu, I., Metallurgy
Kihara, H., Naval Architecture
Kikuchi, Y., Production Engineering
Koizumi, I., Marine Engineering
Kokubu, M., Concrete and Reinforced Concrete Engineering
Kondo, J., Aeronautics
Kondo, K., Mathematical Engineering
Kora, K., Applied Diffraction Crystallography
Kumagai, S., Aero-Engines
Kunii, D., Chemical Engineering
Kunugi, T., Synthetic Chemistry
Makishima, S., Industrial Chemistry
Matsushita, K., Building Construction
Matsushita, Y., Iron Metallurgy
Matsuzaki, K., Synthetic Chemistry
Mishima, Y., Nuclear Metallurgy
Misono, A., Industrial Chemistry
Miyamoto, H., Mechanics for Precision Machinery
Miyauchi, T., Chemical Engineering
Mogami, T., Soil Mechanics and Highway Engineering
Mori, Y., Chemical Engineering
Moriguchi, S., Mathematical Engineering
Motora, S., Naval Architecture
Mukaibo, T., Nuclear Reactor Materials
Nagumo, J., Information Theory and Biological Engineering
Naka, T., Steel Structure and Welding Engineering
Nakaguchi, H., Aeronautics
Namba, K., Explosives Chemistry, Safety Engineering
Niki, E., Techno-Analytical Chemistry
Nishi, T., Building Materials
Nishino, O., Radiation Measurement and Instrumentation
Nishiwaki, N., Marine Engineering
Ogiso, S., Lighting, Sun Control, Colour Planning
Okamura, S., Electronics
Okazaki, T., Aero-engines
Okumura, T., Applied Mechanics and Structural Engineering
Osatake, T., Electrical Communications
Oshima, K., Applied Radiation Chemistry
Ota, H., History of Architecture
Oyama, A., Nuclear Reactor Engineering
Sakamoto, T., Electronic Engineering
Sanuki, M., Aeronautics
Sata, T., Precision Working
Sekiguchi, T., Electrical Engineering
Shima, S., Hydraulic Engineering
Shimomura, Y., Metal Mining and Quarry Engineering
Shirakura, M., Fluid Mechanics and Machinery
Soda, N., Aero-Engineering
Sugeno, T., Metal Physics, Temperature Measurement
Sugiyama, M., Metal Processing and Alloys
Suzuki, K., Mine Machinery
Tachibana, F., Nuclear Chemical Engineering
Takagi, A., Naval Architecture
Takayama, E., City Planning, Housing
Takenaka, N., Metal Cutting and Machine Tools
Taki, Y., Electrical Communications
Tange, K., Urban Design
Terao, M., Electronic Measurement and Control
Tokuhira, A., Sanitary Engineering
Tsuda, K., Marine Engineering
Tsurata, T., Polymer Chemistry
Uchida, H., Heat Engineering
Udoguchi, T., Strength of Materials
Ueda, T., Heat and Heat Engines
Umemura, H., Structural Engineering
Uraguchi, Y., Chemical Engineering
Utsunomiya, T., Electrical Engineering
Wada, Y., Applied Physics
Washizu, K., Aeronautics
Watanabe, S., Mechanism and Dynamics of Machines
Yamada, N., Electrical Engineering
Yamaguchi, G., Industrial Chemistry
Yamajuchi, T., Precision Machinery
Yamamoto, Yoshiyuki, Elasticity and Plasticity
Yamamoto, Yutaka, Nuclear Chemical Engineering
Yamamura, S., Electrical Engineering
Yamana, M., Aeronautics
Yanai, H., Electronic Engineering
Yasoshima, Y., Transportation and Railway Engineering
Yoneda, Y., Synthetic Chemistry
Yoshiki, M., Naval Architecture
Yoshitake, Y., Architectural Design and Planning
Yoshizawa, T., Experimental Mechanical Engineering

Faculty of Science:
Akamatsu, H., Physical Chemistry
Akita, Y., Radiation Biology
Ando, T., Protein Chemistry
Egami, F., Enzymology
Fukushima, N., Geomagnetism and Planetary Physics
Fujii, T., Embryology and Histology
Fujita, Y., Astrophysics
Fujiwara, S., Analytical Chemistry
Hamaguchi, H., Radio-Chemistry
Hara, H., Phyto-Geography
Hirata, M., Applied Physics
Honda, K., Seismology
Hukuhara, M., Differential Equations
Imai, I., Mathematical Physics
Inamoto, N., Organic Chemistry
Ishida, J., Physiological Chemistry
Iwahori, N., Theory of Groups
Iyanaga, S., Geometry
Kawada, Y., Algebra and Topology

KIHARA, T., Theoretical Physics
KIMURA, T., Historical and Structural Geology
KINOSITA, H., Animal Physiology
KOANA, J., Optics
KOTANI, M., Theoretical Physics
KUBO, R., Theoretical Physics
KUNO, H., Petrology
MAEKAWA, F., Systematic Botany and Phytology
MIYAMOTO, G., Nuclear Physics
MONSI, M., Plant Ecology
MORINO, Y., Physical Chemistry
NAGATA, T., Geomagnetism and Upper Atmosphere Physics
NISHIKAWA, T., High Energy Gamma Ray
NODA, H., Bio-Physical Chemistry
NOGAMI, Y., Experimental Nuclear Physics
OGURA, Y., Physical Chemistry of Enzymes
OKI, M., Organic Chemistry
SADANAGA, R., X-ray Crystallography
SAITO, N., Organic Chemistry
SATO, H., Physical Geography, Regional Geography
SHIMANOUCHI, T., Physical Chemistry
SHIMODA, K., Experimental Physics
SHIMOKORIYAMA, M., Plant Physiology
SIMAMURA, O., Organic Chemistry
SUEMOTO, Z., Solar Physics
SUZUKI, HIDEJI, Solid State Physics
SUZUKI, HISASHI, Physical Anthropology
SYONO, S., Meteorology
TAKAHASHI, H., Applied Physics
TAKAHASHI, T., Organic Chemistry
TAKAI, F., Palæontology
TAKAMIYA, A., Microbiology, Cell Physiology, Photosynthesis
TAKEUCHI, H., Geodynamics
TAMURA, K., Chemical Reactions
TANAKA, N., Cyto-Genetics
TOMIYAMA, I., Systematic Zoology
UEMURA, Y., Solid State Physics
UMEZAWA, H., Nuclear Physics
UNNO, W., Astrophysics
WATANABE, T., Economic Geology
YOSHIDA, KOSAKU, Functional Analysis, Theory of Probability
YOSHIDA, KOZO, Physical Oceanography
YOSHIKAWA, T., Physical and Regional Geography

Faculty of Agriculture:
ARASAKI, S., Marine Botany
ARIMA, K., Microbiology
ARUGA, H., Sericulture
ASUYAMA, H., Plant Pathology
FUKUDA, H., Agricultural Hydrotechnics
FUNAHASHI, S., Biochemistry
FURUSHIMA, T., Agricultural Policy
HASHIMOTO, Y., Fisheries Chemistry
HATAMURA, M., Biometrics
HATAYA, M., Veterinary Surgery and Obstetrics
HIBIYA, T., Physiology of Aquatic Animals
HIRAI, S., Wood Technology
HIRATA, T., Forest Management
HIYAMA, Y., Aquatic Zoology and Fisheries Biology
HOSI, T., Veterinary Physiology
HOSOKAWA, A., Agricultural Processing Machinery
KAMIYA, K., Agricultural Finance
KANAZAWA, N., Farm Management
KANDATSU, M., Chemistry of Nutrition and Animal Feeding
KATO, S., Forest Utilisation
KAWATA, S., Crop Production
KOBO, K., Soil Science
KURASAWA, H., Forest Policy
KURATA, S., Forest Botany
MATSUI, M., Organic Chemistry
MATSUO, T., Plant Breeding and Genetics
MATSUURA, F., Fisheries Chemistry
MIGITA, N., Pulp and Wood Chemistry
MITSUI, S., Plant Nutrition and Fertilisers
NAITO, M., Animal Breeding
NAKATSUKA, T., Chemistry of Wood Materials
NISHIDA, S., Veterinary Anatomy
NITTO, M., Forest Zoology
OGATA, M., Veterinary Microbiology and Immunology
OGIHARA, S., Erosion Control
OHSHIMA, Y., Aquatic Zoology and Agriculture
OKABE, T., Physiology of Animal Exercise
OKOSHI, S., Veterinary Medicine
SAKURAI, Y., Food Chemistry
SATO, T., Silviculture
SENDA, M., University Forests
SHIBAMOTO, T., Forest Chemistry
SHINOHARA, T., Agricultural Economics
SUGI, J., Agricultural Environment
SUGIYAMA, T., Pomology and Vegetable Crops
TAKAHASHI, N., University Forests
TAMURA, S., Utilisation of Agricultural Products
TOGARI, Y., Crop Science
TSUGO, T., Technology of Animal Products
WATANABE, S., University Forests
YAMADA, K., Fermentation Technology
YAMAMOTO, S., Veterinary Pathology
YAMASAKI, T., Applied Entomology
YASUDA, Y., Agricultural Machinery
YAMASAKI, F., Land Reclamation
YAWATA, T., Soil Physics and Soil Hydrology
YOKOYAMA, M., Landscape Architecture and Floriculture

Faculty of Medicine:
AKIMOTO, H., Psychiatry and Neurology
EBASHI, S., Pharmacology
HATANO, S., Surgery
HAYASHI, H., Oral Surgery
HAYASHIDA, T., Surgery
HOSOKAWA, H., Anatomy
INOUE, E., Psychiatry and Neurology
ISHIKAWA, K., Surgery and Neurosurgery
IWATA, K., Bacteriology
KASAMATSU, A., Psychiatry and Neurology
KATSUNUMA, H., Public Health
KAWAMURA, T., Dermatology
KIMOTO, S., Surgery
KIRIKAE, I., Oto-Rhino-Laryngology
KITAMOTO, O., Medicine
KOBAYASHI, TACHIO, Medicine
KOBAYASHI, TAKASHI, Gynæcology and Obstetrics
KUSAMA, T. I., Anatomy
MATSUDA, K., Physiology
MIYAKAWA, T., Radiology
MIYAKE, M., Pathology
NAKAI, J., Anatomy
NAKAO, K., Medicine
OHE, T., Forensic Medicine
OSHIMA, M., Medical Electronics
OSHIMA, Y., Physical Therapy
OTA, K., Pathology
SAKAI, F., Pharmacology
SANO, K., Neurosurgery
SASA, M., Parasitology
SHIKANO, S., Ophthalmology
SHIMAZONO, N., Biochemistry
SHIRAKI, H., Psychiatry and Neuropathology
SUZUKI, K., Serology
TAKATSU, T., Pædiatrics
TAKAYASU, H., Urology
TOKIZANE, T., Neurophysiology
TOYOKAWA, K., Hygiene and Preventive Medicine
TOYOKURA, Y., Medicine
TSUKAHARA, K., Public Health
TSUYAMA, N., Orthopædic Surgery
UCHIZONO, K., Physiology
UEDA, H., Medicine
UENO, S., Forensic Medicine
URAGUCHI, K., Pharmacology
YAMAKAWA, T., Biochemistry
YAMAMOTO, A., Bacteriology
YAMAMURA, H., Anæsthetics
YOSHIKAWA, H., Nutrition
YOSHIKAWA, M., Medicine
YOSHITOSHI, Y., Medicine

Faculty of Pharmaceutical Sciences:
ITO, Y., Physiological Chemistry
KWAN, T., Physico-Chemical Technology
MIZUNO, D., Microbial Chemistry
NOGAMI, H., Pharmaceutics
OKAMOTO, T., Pharmaceutical Chemistry
SHIBATA, S., Pharmacognosy and Plant Chemistry
TAKAGI, K., Chemical Pharmacology
TAKIZAWA, T., Pharmaceutical Synthetic Chemistry
TAMURA, Z., Pharmaceutical Analytical Chemistry
TSUBOI, M., Physical Chemistry
TSUDA, K., Organic Chemistry of Natural Products
UKITA, T., Hygienic and Forensic Chemistry
YAMADA, S., Pharmaceutical Technochemistry
YANAGITA, T., Microbiology

TOKYO INSTITUTE OF TECHNOLOGY
(Tokyo Kogyo Daigaku)

1, OOKAYAMA, MEGURO-KU, TOKYO

Telephone: (726) 1111.

Founded 1881.

President: Dr. Y. OYAMA.
Chief Administrative Officer: T. HARA.
Librarian: T. KUBO.

Number of teachers: 716.
Number of students: 3,358.
Publication: *Tokyo Kogyo Daigaku Gakuho* (Bulletin).

PROFESSORS:

Mathematics:
KOMATSU, Y.
KUNISAWA, K.
OTSUKI, T.
OZAWA, M.
TOYAMA, H.
UMEGAKI, H.
YANO, K.

Physics:
FUKUDA, H.
HONJO, G.
HORIE, H.
ICHIMURA, H.
NIIRA, K.
NOZAWA, R.
ODA, Y.
SAWADA, S.

Chemistry:
INAMURA, Y.
IWASAKI, I.
MUKAIYAMA, T.
OTA, M.
SATO, T.
SHIBATA, K.
SHIDA, S.
TANAKA, I.

Applied Physics:
HAYAKAWA, S.
HISATAKE, K.,
KAWAI, N.
OKADA, T.
UGAERI, T.

Metal Engineering:
NAGASAKI, K.
OKETANI, S.
SAKUI, S.
TANAKA, R.

Textile Engineering:
AZUMA, N.
ISHIKAWA, S.
SHIRAKASHI, K.

Inorganic Material Engineering:
KAWAKUBO, S.
MORIYA, T.
SHIRAKI, Y.
YAMADA, H.

Chemical Engineering:
FUJITA, S.
ITO, S.
KEI, T.
SATO, K.
SHIBA, T.
SUEZAWA, Y.

Synthetic Chemistry:
KUBO, T.
SAKIKAWA, N.
SAKURAI, T.
TSURUOKA, S.

Polymer Science:
HARA, N.
HATA, T.
MAEDA, H.
NOGUCHI, T.
SEKIDO, M.

Applied Electrochemistry:
HOSHINO, Y.
MUKAI, M.
SUGINO, K.

Mechanical Engineering:
ASAEDA, T.
ITAYA, M.
KAWASHIMO, K.
KONDO, M.
MORI, Y.
MUROTA, T.
NAKAHARA, I.
OGAWA, K.
OKAMOTO, T.
YAMADA, H.

Mechanical Engineering for Production:
ANNO, Y.
ISHII, Y.
KUSAMA, H.
MASUKO, M.
SATO, Y.

Control Engineering:
IZAWA, K.
NAITO, M.
TAKAI, H.
TANIGUCHI, O.
TERANO, T.

Industrial Engineering:
KOBAYASHI, Y.
KOGURE, M.
MATSUDA, T.

Electrical Engineering:
FUKAO, T.
MIYAIRI, S.
NAKANO, Y.
YAMAGUCHI, S.

Electronics:
KAWAKAMI, M.
NISHIMAKI, M.
SAKAI, Y.
SEKIGUCHI, T.
YAMANAKA, S.

Civil Engineering:
KITSUKAWA, H.
YAMAGUCHI, H.

Architecture:
FUJIOKA, M.
FUJIMOTO, M.
HARADA, T.
KATO, M.
KATSUTA, C.
SEIKE, K.

Industrial Dynamics:
AOKI, H.

General Electrical Engineering:
SUETAKE, K.

Industrial Analytical Chemistry:
KOMATSU, W.

Strength of Solids:
NAKAZAWA, H.

Humanities:
KAWAKITA, J.
TANAKA, M.
YASUGI, R.

Social Sciences:
ABE, O.
MIYAGI, O.
NAGAI, M.

Natural Science:
HAYAKAWA, M.
HOSOI, T.
ITO, T.
KAGEYAMA, S.

Foreign Languages:
HOJYO, K.
TAKEMURA, J.
TAKEZAWA, K.
TOMIYA, T.

Physical Education:
SHIOTANI, M.
OKI, Y.

Graphic Engineering Laboratory:
INOUE, E.

Research Laboratory of Nuclear Reactors:
AOKI, S.
KAKIHANA, H.
KURODA, T.
NISHIWAKI, Y.
SHINDO, M.
TAKASHIMA, Y.
TAKEDA, E.

Research Laboratory of Resources Ultilisation:
FUNAKI, K.
KANBARA, S.
KOJIMA, K.
MIZUGUCHI, J.
MIZUNO, S.
MORIKAWA, K.
OKAWARA, M.
OZAKI, A.
SHIRAI, T.

Research Laboratory of Precision Machinery and Electronics:
AWAYA, K.
FUKUYO, H.
IKEBE, Y.
ISHIKAWA, J.
MIYATA, F.
MORI, E.
NAKAA, T.
SANEYOSHI, J.
SHIRATORI, E.
TANAKA, M.
YAMAMOTO. A.

Research Laboratory of Engineering Materials:
GOTO, K.
KAWASHIMA, C.
KIYOURA, R.
MORIYA, T.
SATO, M.
TAGAI, H.

Research Laboratory of the Chemistry of Natural Products:
SATO, T.

TOKYO MEDICAL AND DENTAL UNIVERSITY

5-47, YUSHIMA 1-CHOME, BUNKYO-KU, TOKYO

Telephone: 811-6111.

Founded 1946.

President: M. OKADA.
Chief Secretary: K. HARADA.
Chief Librarian: Y. IMAGAWA.

The library contains 95,686 volumes.
Number of teachers: 519.
Number of students: 1,491.

Publications: *The Bulletin of Tokyo Medical and Dental University, The Ochanomizu Medical Journal, Kôkûbyô-Gakkai-Zasshi* (The Journal of the Japan Stomatological Society), *Report of the Research Institute of Dental Materials, Tokyo Medical and Dental University (R.R.D.M.).*

DEANS:

Faculty of Medicine: Y. KATSUKI.
Faculty of Dentistry: T. MIMURA.
Faculty of General Education: G. YAZIMA.

DIRECTORS:

University Hospital (Medicine): T. ADACHI.
University Hospital (Dentistry): T. UENO.
Institute for Medical Research on Rural Welfare: F. YANAGISAWA.
Institute for the Deaf: S. HORIGUCHI.
General Institute of Legal Medicine: S. OTA.
Institute for Research on the Biology of Hard Tissues: M. OKADA.
Institute for Cardiovascular Diseases: T. SHIMAMOTO.
Institute for Research for Hereditary Diseases: F. SHIMIZU.
Research Institute of Dental Materials: A. MURAMATSU.

PROFESSORS:

Faculty of Medicine:
YAMADA, H., Anatomy
NIIJIMA, M., Anatomy
KATSUKI, Y., Physiology
WATANABE, A., Physiology
NAKAO, M., Biochemistry
SHIMAMINE, T., Pathology
ISHII, Z., Pathology
SHIMIZU, F., Microbiology
KITA, H., Hygiene
MAEDA, H., Public Health
KANÔ, R., Medical Zoology
MIKI, T., Legal Medicine
KOMIYA, M., Internal Medicine
OBUCHI, S., Internal Medicine
SHIMAMOTO, T., Internal Medicine
SHIMAZAKI, T., Neuropsychiatry
OTA, K., Pediatrics
KAWASHIMA, K., Surgery
HAMAGUCHI, E., Surgery
AOIKE, I., Orthopædics Surgery
HARADA, G., Dermatology
OCHIAI, K., Urology

OTSUKA, J., Ophthalmology
HORIGUCHI, S., Oto-Rhino-Laryngology
ADACHI, T., Radiology
FUJII, K., Obstetrics and Gynæcology
(Vacant—Pharmacology)

Faculty of Dentistry:
KIRINO, T., Oral Anatomy
ICHIJO, T., Oral Anatomy
ICHIOKA, M., Oral Physiology
ARAYA, S., Biochemistry
ISHIKAWA, G., Oral Pathology
HORIKAWA, T., Oral Microbiology
MIMURA, T., Dental Pharmacology
NOMOTO, S., Dental Technology
KANZAWA, Y., Dental Technology
ONISHI, M., Preventive Dentistry
IMAGAWA, Y., Operative Dentistry
SUZUKI, K., Operative Dentistry
FUSAYAMA, T., Operative Dentistry
UENO, T., Oral Surgery
ITO, H., Oral Surgery
NAKAZAWA, I., Prosthodontics
ISHIHARA, T., Prosthodontics
HAYASHI, T., Prosthodontics
MIURA, F., Orthodontics
MURAI, T., Dental Radiology
YAMASHITA, H., Pedontics

TOKYO METROPOLITAN UNIVERSITY

MEGURO-KU, TOKYO

Telephone: (717) 0111.

Founded 1949.

President: Dr. Y. NAGAI.
Director of Administrative Bureau: K. SHINDO.

DEANS:

Faculty of Social Science and Humanities: H. KANOO.
Faculty of Law and Economics: K. OGURA.
Faculty of Science: D. MORIWAKI.
Faculty of Technology: S. TANI.

TOTTORI UNIVERSITY

1 5-CHOME, TACHIKAWA-CHO, TOTTORI CITY

Telephone: 2241.

President: M. MIURA.
Administrator: M. SUGIOKA.
Librarian: Y. MORITA.

Number of teachers: 390.
Number of students: 2,100.

DEANS:

Faculty of Liberal Arts: Y. OTANI.
Faculty of Medicine: M. AYABE.
Faculty of Engineering: M. MIURA (acting).
Faculty of Agriculture: F. UNO.

YAMAGUCHI UNIVERSITY

SHIMMICHI, YAMAGUCHI

Telephone: (2) 1820.

Founded 1949.

President: T. ICHIKAWA.
Secretary-General: K. AOKI.
Librarian: M. YASUDA.

Number of teachers: 304, including 100 professors.
Number of students: 3,156.

DEANS:

Faculty of Literature and Science: T. OKAZAKI.
Faculty of Education: T. TOKUMITSU.
Faculty of Economics: H. OKAKURA.
Faculty of Engineering: E. MATSUYAMA.
Faculty of Agriculture: T. YATOMI.
Technical Junior College: K. HORIUCHI (acting).
Faculty of Medicine: S. MORI.

YOKOHAMA NATIONAL UNIVERSITY

702 OHOKAMACHI, MINAMI-KU, YOKOHAMA

Telephone: (74) 3541-9.

Founded 1949.

President: K. KUROSAWA.
Administrator: T. NAGASHIMA.
Librarian: T. SUGIMOTO.

Number of teachers: 265, including 97 professors.
Number of students: 3,126.
Publications: *Journal*, *Bulletin*.

DEANS:

Faculty of Arts and Education: T. AOKI.
Faculty of Economics: R. YAMABE.
Faculty of Technology: K. NAKAMUTA.

YOKOHAMA MUNICIPAL UNIVERSITY

4646 MUTSUURA-MACHI, KANAZAWA-KU, YOKOHAMA

Telephone: (7) 9324.

Founded 1949.

President: H. SAEGUSA.
Secretary-General: Y. OHSUNA.

Library of 100,000 volumes.
Number of teachers: 237.
Number of students: 2,100.
Publications: *Journal*, *Bulletin*, *Yokohama Medical Bulletin* (English), *Journal of Yokohama Medical Association*, *Economy and Trade*.

DEANS:

Faculty of Commerce: S. TAJIMA.
Faculty of Science and Literature: T. MATSUKURA.
Faculty of Medicine: T. KATSUMATA.

PUBLIC, PREFECTURAL AND MUNICIPAL UNIVERSITIES OF ONE OR TWO FACULTIES

Fukushima Medical College: 5-75, Suginome-cho, Fukushima City; telephone Fukushima (3) 1111; f. 1944; Pres. M. MUTO, M.D.; Administrator F. SHINJO; Librarian K. TANNO; number of teachers 87; number of students 415; publ. *Fukushima Igaku Zasshi* (Journal of Medical Science).

Gifu Prefectural College of Medicine: Gifu-shi, Tsukasa-machi; Pres. K. OKADA.

Japan Women's University: Takata-Toyokawa-cho, Bunkyo-ku, Tokyo; f. 1901; 201 teachers, 2,650 students; Pres. Miss TANO JODAI; Deans Miss KAN TSUKIDA, Mrs. HISAKO UJIYE, Mrs. KYOKO OHRA; Registrar T. BAN; Librarian S. SHINOZAKI; publ. *Nihon Joshidaigaku Kiyo* (journal).

Kobe Medical College: Hyogo-ken, Kobe-shi, Ikuta-ku, 38 Kusunok-cho 6-chome; f. 1946 as Hyogo Prefectural Medical College; merged 1964 with Kobe University School of Medicine; the College wil l be completely transferred to Kobe University by 1968; Pres. and Dean C. ENDOH, M.D.; Administrator H. FUKUI; publs. *Kobe Ika Daigaku Kiyo* (bulletin, quarterly, in Japanese), *Kobe Journal of the Medical Sciences* (in foreign languages).

Kyoto Prefectural University of Medicine: Kawaramachi, Hirokoji, Kyoto; telephone Kyoto (23) 2311; f. 1879; Pres. and Dean of the Faculty of Medicine F. NAKAMURA; Sec.-Gen. N. MISHIMA; Librarian S. SUZUKI; number of teachers 222; number of students 524; publ. *Kyoto Furitsu Ikadaigaku Zasshi* (Journal).

Mie Prefectural University: Torii-cho, Tsu; medicine and arts and science; Pres. A. WATANABE.

Nagoya City University: Nagoya-shi, Mizuho-ku, Kawasumi-cho; 1,000 students; 200 teaching staff; Pres. R. HAGINO, M.D.; publs. *Nagoya Medical Journal* (quarterly, English), *Journal of the Nagoya City University Medical Association* (quarterly, Japanese), and annual bulletins of the Pharmaceutical School and of the Dept. of General Education of Nogoya City University (both in Japanese).

Nara Medical University: Kashihara-city, Nara-pref.; Dir. J. OGATA.

Ochanomizu Women's University: No. 35 Otsukamachi, Bunkyo-ku, Tokyo; f. 1874; Pres. M. KUME; Administrator I. MACHIDA; Deans: K. FUJITA (Letters and Education), S. ASAKA (Science), A. YABE (Home Economics); number of teachers 281; number of students 1,350.

OSAKA CITY UNIVERSITY

459, SUGIMOTOCHO, SUMIYOSHI-KU, OSAKA

Telephone: 691-3371.

Founded 1928.

President: K. FUKUI.
Administrator: M. FUZIMOTO.
Dean of Student Affairs: T. HARADA.

Number of teachers: 720, including 159 professors.

Number of students: 4,297.

Publications: *Journal of Economics, Keizaigaku Nempo, Keiei Kenkyu, Journal of Law and Politics, Hogaku Sosho, Studies in the Humanities, Journal of the Institute of Polytechnics, Journal of the Osaka City Medical Centre, Osaka City Medical Journal, Report of the Science of Living, Social Welfare Review, Bungakushi Kenkyu.*

DEANS:

Faculty of Commerce: M. HARA.
Faculty of Economics: M. HAZAMA.
Faculty of Law: S. YOSHITOMI.
Faculty of Letters: H. MAEDA.
Faculty of Science: Y. WATASE.
Faculty of Engineering: M. IMOTO.
Faculty of Medicine: T. BABO.
Faculty of Domestic Science: M. TANAKA.
College of General Education: Z. UEDA.

ATTACHED INSTITUTIONS:

Institute of Economic Research: Dir. Y. TOMINAGA.
Toneyama Institute of Tuberculosis: Dir. S. WATANABE.
Atomic Energy Research Room: Dir. Y. WATASE.
Hospital (attached to the Faculty of Medicine): M. FUGINO.

University of Osaka Prefecture: 804 Mozu-Umemachi 4-cho, Sakai, Osaka; telephone 52-1161; f. 1949; Pres. O. TOYAMA; Administrator Y. RYOMOTO; Librarian H. KUROHA; Deans: K. HASHIZUME (Engineering), T. IMAZU (Faculty of Agriculture), S. MATSUYAMA (Economics), S. TAKAGI (General Education); number of teachers 137, students 3,517; publs. *Bulletin, Gakuho* (University News).

Sapporo Medical College: S.1, W.17, Sapporo City; f. 1945 as Hokkaido Women's Medical College, name changed 1950; library of 68,401 vols.; number of teaching staff 183, including 31 professors; number of students 537; Pres. K. SHIMPO; publ. *Sapporo Igaku Zasshi* (Sapporo Medical Journal) (with English summaries).

TOKYO METROPOLITAN UNIVERSITY

MEGURO-KU, TOKYO

Telephone: (717) 0111.

Founded 1949.

President: Dr. Y. NAGAI.
Director of Administrative Bureau: K. SHINDO.

DEANS:

Faculty of Social Science and Humanities: H. KANOO.
Faculty of Law and Economics: K. OGURA.
Faculty of Science: D. MORIWAKI.
Faculty of Technology: S. TANI.

Tokyo University of Arts: Ueno Park, Daito-ku, Tokyo; f. 1949 on the amalgamation of the Tokyo Academy of Fine Art and the Tokyo Academy of Music; teachers 140, students 1,568; four-year course in Music or Fine Arts; Pres. N. UYENO.

Tokyo University of Education: Tokyo-to. Bunkyo-ku, Osuka, Kubomachi 24; telephone (941) 0181-0189; f. 1949; Pres. Dr. T. MIWA; number of teachers 483, students 4,227; publs. *Science Reports* (irregular), *Science of Light* (irregular).

Tokyo University of Foreign Studies: No. 51, Nishigahara 4-chome, Kita-ku, Tokyo; telephone 919-6111; f. 1899; Pres. Y. OGAWA; Administrator K. SAKURAI; Librarian M. TOGO; number of teachers 176; number of students 1,847; publs. *Area and Culture Studies, Research Bulletin of the Institute of Foreign Affairs, Bulletin of the Institute for Research in Foreign Languages and Teaching Methodology, Kōbun.*

Wakayama Medical College: Wakayama-shi, Misono-cho, 5-chome; f. 1945; library of 19,254 vols.; Pres. K. ICHIHARA; teachers 131, students 187; publs. *Wakayama Medical Reports* (annual), *Journal of Wakayama Medical Society* (quarterly).

Yamaguchi Prefectural Medical College: 1144 Kogushi, Ube-shi; Dir. S. NAKAMURA.

PRIVATE UNIVERSITIES

CHUO UNIVERSITY

3-9, KANDA-SURUGADAI, CHIYODA-KU, TOKYO

Telephone: 292-3111.

Founded 1885.

Chancellor: K. MASUMOTO.
Administrative Officer: T. UNNO.
Librarian: A. TANGO.

Number of teachers: 949, including 207 professors.

Number of students: 29,145.

Publications: *Chuo Law Review, Journal of Economics, Journal of Commerce.*

DEANS:

Faculty of Law: K. HASHIMOTO.
Faculty of Economics: E. YAJIMA.
Faculty of Commerce: T. ISHIHARA.
Faculty of Engineering: K. HIROSE.
Faculty of Literature: K. FUSE.

DOSHISHA UNIVERSITY

KARASUMA IMADEGAWA, KAMIKO-KU, KYOTO

Founded 1875.

Chancellor: Dr. E. SUMIYA.
President: Dr. N. UENO.
Registrar: K. IKUSHIMA.
Librarian: Dr. M. KANAYAMA.

Number of professors: 311.

Number of students: 13,066.

University publications: *Studies in Christian Religion, The Liberal Arts, Law Review, Economics Review, Studies in Commerce, Doshisha Engineering Review.*

DEANS:

Faculty of Theology: M. TAKAHASHI.
Faculty of Literature: Dr. O. ENDO.
Faculty of Law: T. AKIYAMA.
Faculty of Economics: Dr. Y. KOMATSU.
Faculty of Technology: Dr. M. OKAMURA.
Faculty of Commerce: Dr. K. NOMA.

DOSHISHA WOMEN'S COLLEGE OF LIBERAL ARTS

602, GENBU-CHO, IMADEGAWA-NISHIIRU, TERAMACHI, KAMIKYO-KU, KYOTO

Telephone: (23) 1132, 4155.

Founded 1875.

Chancellor: S. OTSUKA.
Vice-Chancellor: K. HATA.
President: F. OCHI.
Registrar: H. OTSUKA.
Librarian: O. TAKAYAMA.

Number of teachers: 57.

Number of students: 2,182.

Publications: *Annual Reports of Studies.*

DEANS:

English Literature: S. TAKIYAMA.
Home Economics: T. KUJIME.
Music: K. NAKASEKO.

HOSEI UNIVERSITY

FUJIMICHO CHIYODA-KU, TOKYO

Telephone: (331) 2351.

President: H. ODAGIRI (acting).
Registrar: H. IWANAGA.

Number of students: 6,000.

The University Press publishes about 300 scientific and cultural books.

DEANS:

Faculty of Humanities: S. OKAMOTO.
Faculty of Jurisprudence: S. ISHIMODA.
Faculty of Economics: T. NAKANO.
Faculty of Engineering: S. SHIMURA.
Faculty of Social Sciences: S. HENMI.
Faculty of Business Administration: T. HIRANO.
First Dept. of General Education: T. INUI.
Second Dept. of General Education: T. TAKATO.

INTERNATIONAL CHRISTIAN UNIVERSITY

1500 OSAWA, MITAKA-SHI, TOKYO

Telephone: 0422-3-3131.

Telegraphic Address: Inchristun Musashino.

Founded 1949.

The aim of the ICU is to create an academic tradition of freedom and reverence based on truth, to educate men and women of integrity and to acquire international culture and discernment befitting the members of a democratic society in the service of God and humanity. Fifteen major Protestant denominations guarantee support through the Japan ICU Foundation, Inc. (offices at the Interchurch Centre, 475 Riverside Drive, New York 27, N.Y., U.S.A.). Students are accepted without reference to race, creed, sex or nationality.

President: Dr. N. UKAI.
Vice-President for Academic Affairs: Dr. E. KLEINJANS.
Vice-President for Student Affairs: Prof. D. HIDAKA.
Vice-President for Finance: H. C. SHORROCK, Jr.
Librarian: Miss TANE TAKAHASHI.

Number of teachers: 100 (27 non-Japanese).
Number of students: 1,167 (174 non-Japanese).

DEANS:

College of Liberal Arts: Dr. Y. SINOTO.
Graduate School of Education and Public Administration: Prof. D. HIDAKA.

KANSAI UNIVERSITY

OSAKA-FU, SUITA-SHI, SENRIYAMA 17

Telephone: Osaka 38-0123.

Founded 1886.

President: Y. NAKATANI.
Chairman of the Board of Trustees: T. HISAI.
Registrar: K. YAMAKAGE.
Librarian: M. HORI.

Number of teachers: 298, including 132 professors.
Number of students: 19,004.

Publications: *Bungaku Ronshu* (Literary Essays), *Hogaku Ronshu* (Law Review), *Kokubungaku* (Japanese Literature), *Anglica* (English Literature), *Koho* (Official Reports of the University), *Keizai Ronshu* (Economic Review), *Shogaku Ronshu* (Business Review), *Kogaku Kenkyu* (Technology Reports).

DEANS:

Graduate School: G. SHIBATA.
Faculty of Law: K. IZAWA.
Faculty of Economics: S. IGATA.
Faculty of Literature: M. YOSHINAGA.
Faculty of Commerce: M. KONO.
Faculty of Technology: Y. KOSAKA.

KEIO UNIVERSITY

MITA, SHIBA, MINATO-KU, TOKYO

Telephone: 451-5181.

Founded 1858.

President: S. TAKAMURA.
Secretary: T. KAWAKUBO.
Librarian: M. MAEHARA.

Number of teachers: 2,192.
Number of students: 22,478.

Publications: *Hogaku Kenkyu* (Journal of Law, Politics, and Sociology), *Mita Gakkai Zasshi* (Mita Journal of Economics), *Keio Igaku* (Keio Medical Journal), *Kogakubu Kiyo* (Proceedings of Faculty of Engineering), *Shigaku* (History Journal), *Tetsugaku* (Journal of Philosophy), *Geibun* (Art and Literature), *Mita Hyoron* (Alumni News), *Mita Shogaku Kenkyu* (Mita Business Review).

DEANS:

Faculty of Letters: K. SATO.
Faculty of Economics: T. KOIKE.
Faculty of Law: K. IMAIZUMI.
Faculty of Business and Commerce: Y. SUZUKI.
Faculty of Engineering: T. SOMIYA.
School of Medicine: H. MATSUBAYASHI.
Keio Business School: F. OKUI.

KOKUGAKUIN UNIVERSITY

No. 9, WAKAGI-CHO, SHIBUYA-KU, TOKYO

Telephone: 409-0111.

Founded 1882.

President: Y. SASAKI.
Registrar: M. YOSHIDA.
Librarian: K. MIKANAGI.

Number of teachers: 400.
Number of students: 10,500.

Publications: *Journal of Kokugakuin University*, Faculty Journals.

DEANS:

Faculty of Literature: K. SATO.
Faculty of Economics: T. KIMURA.
Faculty of Law and Politics: K. MATSUOKA.
Graduate School: M. NISHITSUNOI.

KWANSEI GAKUIN UNIVERSITY

UEGAHARA, NISHINOMIYA-SHI, HYOGO-KEN

Founded 1889.

President: Dr. T. KOMIYA.
University Principal: Dr. T. HORI.

Number of teachers: 348.
Number of students: 10,750 (post-graduates 279).

Publications: Studies, journals, reviews in Japanese from various faculties; *Annual Studies* (in English).

DEANS:

Faculty of Theology: K. MATSUMURA.
Faculty of Literature: N. OTSUKI.
Faculty of Sociology: Y. DAIDO.
Faculty of Jurisprudence: O. NISHIZAWA.
Faculty of Economics: T. KOTERA.
Faculty of Commerce: T. KOIZUMI.
Faculty of Natural Sciences: I. NITTA.

MEIJI UNIVERSITY

TOKYO-TO, CHIYODA-KU, KANDA SURUGADAI

Telephone: (293) 5811.

Founded 1903.

Chancellor: T. TAKEDA.
President: R. KOIDE.
Librarian: H. INNAMI.

Number of students: 33,000.

DEANS:

College of Jurisprudence: S. MATSUOKA.
College of Commerce: H. ASO.
College of Politics and Economics: T. NAKAGAWA.
College of Literature: T. OKAYAMA.
College of Engineering: S. UCHIDA.
College of Agriculture: F. INUKAI.
College of Business Administration: S. DAIGO.
Post-Graduate School: K. NODA.
Women's College: Y. TATEISHI.

NIHON UNIVERSITY

2-CHOME, NISHI-KANDA, CHIYODA-KU, TOKYO CITY

Telephone: 262-2271.

Founded 1889.

Chancellor: J. FURUTA.
President: K. NAGATA, LL.D.
Chief Administrative Officer: K. FUJII.
Librarian: S. YAMAOKA.

Number of teachers: 2,900.
Number of students: 75,000.

Publications include: *Nihon Daigaku Shimbun* (Nihon University News), *Nihon Hogaku* (Journal of Law and Politics; monthly), *Keizai Shushi* (Journal of Economics; quarterly), *Nihon Daigaku Bungakuba Kenkyu Nempo* (Annual Research Report, Faculty of Letters), *Nichidai Igaku Zasshi* (Nihon University Medical Journal; monthly).

DEANS:

College of Law: M. TAKANASHI.
College of Humanities and Sciences: Y. AKIBA.
College of Economics: K. YAMAGATA.
College of Commerce: M. OTAGIRI.
College of Science and Engineering: I. YOKOCHI.
College of Medicine: S. NAGASAWA.
College of Dentistry: M. SUZUKI.
College of Arts: S. WATANABE.
College of Agriculture and Veterinary Science: C. OMORI.
Department of Correspondence Study: H. AIDA.
Graduate School: K. NAGATA.

RIKKYO UNIVERSITY
(St. Paul's University)

IKEBUKURO, TOSHIMA-KU, TOKYO

Telephone: 983-0111.

Founded 1859.

President: M. MATSUSHITA, PH.D.
Registrar: K. MORIWAKI.
Librarian: S. SUENOBU, LL.D.

Number of teachers: 259.
Number of students: 9,852.

Publications: *Christian Studies, Rikkyo Review* (Arts and Letters), *The Shien* (Historical Journal), *Review of Japanese Literature, Commentarii Mathematici Universitatis Sancti Pauli, Journal of Applied Sociology, Economic Review, Rikkyo Hogaku* (Review of Law and Politics), *Museion, The Rikkyo* (quarterly).

DEANS:

Faculty of Literature: T. TEZUKA, B.A.
Faculty of Economics: M. TANAKA, PH.D.
Faculty of Science: T. SASAKAWA, D.SC.
Faculty of Law and Politics: H. EGAWA, LL.D.
Faculty of Social Relations: E. KOYAMA, D.LITT.
Faculty of General Education: W. ISHIJIMA, D.SC.

RISSHO UNIVERSITY

160 4-CHOME, HIGASHI-OSAKI, SHINAGAWA-KU, TOKYO

Founded 1904.

Rector: T. ISHIBASHI.

Number of teachers: 162.
Number of students: 3,100.

DEANS:

Faculty of Buddhism: Y. SAKAMOTO.
Faculty of Letters: M. SUGAYA.
Faculty of Economics: S. AMANUMA.

RITSUMEIKAN UNIVERSITY

KYOTO-SHI, KAMIKYO-KU, HIROKOJI-DORI TERMACHI

Founded 1900.

President: H. SUEKAWA.
Chief Director: M. ODA.

Publications: *Law Review, Economic Review, Literature Review.*

DEANS:

Faculty of Jurisprudence: Y. ONISI.
Faculty of Economics: H. OGURA.
Faculty of Literature: S. MAKI.
Faculty of Science and Technology: S. TANKA.

RYUKOKU UNIVERSITY

NANAJO-OMIYA, SHIMOGYO-KU, KYOTO

Founded 1639.

President: M. HOSHINO.

Library of 300,000 volumes.
Number of teachers: 174.
Number of students: 2,450.

Faculties of Letters and Economics; Graduate School.

SENSHU UNIVERSITY

TOKYO-TO, CHIYODA-KU KANDA JINBO-CHO

Telephone: 3671-5.

Founded 1880.

Chancellor: S. KAWASHIMA.
President: K. SOMA.
Librarian: Y. NAMANI.

Number of teachers: 214.
Number of students: 7,400.

DEANS:

Faculty of Commerce and Economics: Y. KOBAYASHI.
Faculty of Law: M. KATSUMOTO.
Faculty of Business Administration: H. OTSUKA.

SOPHIA UNIVERSITY
(Jôchi University)

CHIYODA-KU, KIOICHO 7, TOKYO

Telephone: 262-4301.

Founded 1913.

Chancellor: Rev. G. PIOVESANA, S.J.
President: F. T. OIZUMI, S.J.
Vice-President: M. M. YANASE, S.J.
Director of Academic Affairs: J. BLEWETT, S.J.
Librarian: J. B. NEY, S.J.

Number of professors: 573.
Number of students: 7,552.

Publications: *Monumenta Nipponica* (half-yearly), *Sophia* (quarterly, in Japanese), *Sophia Economic Review, Sophia Law Review,* Historical Studies, German Literature Review, Catholic Theology and Studies in English Literature (all half-yearly in Japanese).

DEANS:

Graduate School: J. ROGGENDORF.
Faculty of Literature: E. INATOMI.
Faculty of Economics: Y. KOBAYASHI.
Faculty of Law: F. AOYAGI.
Faculty of Foreign Languages: T. OBAYASHI.
Faculty of Theology: P. NEMESHEGYI, S.J.
Faculty of Science and Technology: K. TANAKA.

TOKAI UNIVERSITY

2-28 TOMIGAYA, SHIBUYA-KU, TOKYO

President: S. MATSUMAE.

DEANS:

Faculty of Literature: T. HARADA.
Faculty of Science: M. INAGAKI.
Faculty of Engineering: I. TANIMURA.
Faculty of Oceanography: K. SUDA.

TOKYO UNIVERSITY

17 HARAMAMACHI, BUNKYO-KU, TOKYO

Telephone: Otsuka (941) 7186-9.

President: S. KANAE.

DEANS:

Faculty of Letters: N. GIYU.
Faculty of Economics: T. TOYOTARO.
Faculty of Law: M. KOZABURO.
Faculty of Sociology: C. YUJIRO.
Faculty of Technology: A. MAKOTO.
Faculty of Liberal Arts: B. BUNNO.

WASEDA UNIVERSITY

TOTSUKA-CHO, SHINJUKA-KU, TOKYO

Founded 1882.

President: N. OHAMA, M.LL.
Librarian: J. ONO, D.LL.

Number of teachers: 1,287.
Number of students: 34,261 undergraduates (25,088 day-time division, 9,913 evening division), 1,773 graduates.

DEANS:

Day-time Division:
School of Political Science and Economics: Y. KOMATSU.
School of Law: J. ONO, D.LL.
School of Literature: K. KASHIYAMA.
School of Education: T. OTAKI.
School of Commerce: T. KATSURAGI.
School of Science and Engineering: M. NAMBA.

Evening Division:
School of Political Science and Economics: T. SATO.
School of Law: R. ARIKURA.
School of Literature: Y. SHINJO.
School of Commerce: T. YOSHINO.

FULL PROFESSORS:

School of Political Science and Economics:
ANDO, H., Chinese Economy
DATE, K., Economic Theory
GOTO, I., Local Government
HASEGAWA, K., English
HAYASHI, B., German Literature
HIRANO, K., German Literature
HIRATA, K., Public Finance
HIRATA, T., Economics and Social Policy
HORIE, T., Economics Theory
HORIKE, B., Economics of Finance
II, G., Politics
ITO, D., Education
KITADA, T., English Language and Literature
KOBE, S., Economics of Transportation, Economics Theory
KOMATSU, M., Economic Policy
KOMATSU, Y., Economics, History of Western Economics
KUBOTA, A., Economics Theory
KURATA, K., Mathematics
MASUDA, T., History of Western Economics
MATSUMOTO, K., History of Western Politics
MINAMI, E., Anglo-American Literature
ONISHI, K., Comparative Constitutional Law
OUCHI, G., Irish Literature
SAKAEDA, Y., Economics
SATO, T., Law of Public Administration and Commerce
SHIMIZU, N., Public Law
SHIMAMURA, N., German Literature
SHINOZAKI, T., Physics
SHODA, K., Economic Theory of Japan
SUZUKI, T., English Literature
TAGAMI, M., Mathematics
TAKAMI, K., Mathematics
TOKOYAMA, T., Public Finance.
TSUNEKAWA, Y., French Literature
TSURUOKA, G., Economics of Finance, Money and Banking
YAMADA, R., English Language and Literature
YAMAKAWA, Y., Economics, History of Economics, Economics Theory
YAMANOUCHI, Y., French Literature

YASUDA, J., Statistics
YOSHIMURA, K., International Politics
YOSHIMURA, T., Politics

School of Law:
ARIKURA, R., Constitutional Law, Administrative Law
CHIBA, T., Anglo-American Language and Literature
HATTORI, H., Mathematics
HOSHIKAWA, C., Commercial Law
ICHIMATA, M., International Law
ICHIRIKI, H., American Literature
ISHII, Y., English Literature
KATO, J., Japanese Language and Literature
KAWAHARA, E., Philosophy
KAZUE, J., French Language and Literature
KUSUMOTO, H., Anglo-American Laws
KUDO, N., English Literature
MACHIDA, T., French Literature
MASUDA, S., American Literature
MIZUTA, Y., Anglo-American Laws
NAKAMURA, K., Civil Law
NAKAMURA, H., Civil Procedure
NAKAMURA, M., Civil Procedure
NOMURA, H., Labour Law
OKADA, K., German Language and Literature
OKADA, S., German Language and Literature
ONO, J., Commercial Law
SAITO, KAZUE, Anglo-American Literature
SAITO, KINSAKU, Criminal Law
SAKAI, K., Anglo-American Language
SAKISAKA, M., Biology
SUGIYAMA, H., History of Legal Institutions in Japan
TAKASHIMA, H., Civil Law
TAKANO, T., Civil Law
TONOOKA, M., Civil Law
UEKI, Y., Anglo-American Language and Literature
YAMAGATA, M., English

School of Literature:
ABE, T., Western Philosophy
ANDO, M., History of Oriental Arts
AOYAGI, M., Aesthetics
ASAI, M., German Literature
FUKAYA, H., Japanese History
FUKUI, K., Oriental Philosophy
FUNAKI, S., German Literature
FURUKAWA, H., Linguistics
GUNJI, M., Drama
HARADA, M., Oriental Philosophy
HAYASHI, S., Sociology
HIRATA, Y., Western History
HOASHI, T., English Literature
HORA, T., Japanese History
IIJIMA, K., English Literature
IIJIMA, T., Drama
INAGAKI, T., Japanese Literature
INNAMI, K., Drama
ISHIZEKI, K., Philosophy
ITAGAKI, T., Aesthetics
ITO, Y., Psychology
IWASAKI, T., Western Philosophy
IWATSU, T., Japanese Literature
KASHIYAMA, K., Western Philosophy
KAWAI, T., French Literature
KAWASHIMA, J., French Literature
KAWAMATA, N., Sociology
KAWAMOTO, S., French Literature
KIYOHARA, K., Psychology
KOBAYASHI, M., Western History
KOBAYASHI, N., Chinese History
KOBAYASHI, T., French Literature
KODAMA, M., Education
KOSUGI, K., History of Oriental Arts
KOYAMA, Y., Western Philosophy
KUBOTA, S., Japanese Literature
KURAHASHI, T., American Dramatic Literature
KURIHARA, T., Oriental History
KURITA, N., Oriental Philosophy
KURODA, T., Russian Literature
KUSUYAMA, H., Oriental Philosophy
KYOGUCHI, M., Japanese History
MARUYAMA, M., Russian Language and Literature
MATSUDA, H., Asian History
MATSUDA, J., Sociology
MATSUNAMI, S., Western Philosophy
MIZUNO, Y., Japanese History
MIYASAKA, Y., Russian Literature
MIYATA, H., English
MOYAMOTO, S., Indian Philosophy
MOTOAKI, H., Psychology
MURAKAMI, K., French Literature
MURO, J., French Literature
NAKAJIMA, K., Historical Geography
NAKATANI, H., German Literature
NAKAMURA, H., German Literature
NAKAMURA, T., Japanese Literature
NEMOTO, M., Chinese History
NEZU, K., French Literature
NIEDA, R., Religious Philosophy
NIMI, Y., Psychology
NISHIOKA, T., Japanese History
NISHIMURA, A., Anthropology
NOMURA, T., Mathematics
NOZAKI, Y., Russian Language and Literature
OGAWA, T., Linguistics
OGINO, M., Japanese History
OGUCHI, M., German Literature
OJIMA, S., English Literature
OKA, KAZUO, Japanese Literature
OKAZAWA, H., Russian Literature
OMURA, Y., French
ONO, J., Chinese Literature
ONUMA, H., English Literature
OSAWA, M., English Literature
OSAWA, T., History of Arts
OSHIMURA, Y., Education
OTSUKI, T., Education
SATO, K., Western Philosophy
SATO, T., French Literature
SHIBA, K., German Literature
SHINJO, Y., French Literature
SOGO, S., Western History
SUGIYAMA, T., English Literature
SUZUKI, S., Western History
SUZUKI, Y., English Literature
TAKEDA, R., Sociology
TERUOKA, Y., Japanese Literature
TOKIEDA, M., Japanese Language
TOGAWA, Y., Psychology
TSUTSUMI, T., Chinese Literature
UEDA, S., Anglo-American Philosophy
WATARI, T., English Language and Literature
YAMAJI, H., Japanese Literature
YAMAZAKI, H., German Literature
YANAGIDA, I., Japanese Literature
YASUI, G., French Literature
YOKOTA, M., Russian Language and Literature

School of Education:
AKABORI, T., Educational History
ANDO, T., Japanese Language and Literature
HAGIWARA, K., English Language
HASEGAWA, K., Educational Philosophy
HATTORI, B., Politics
HAYAMI, H., German Language and Literature
HONDA, Y., Ethnology
ICHIDA, A., Mathematics
IGARASHI, S., English
IMAI, T., Japanese Language
ISHIDA, H., History of Foreign Policy
JINOUCHI, N., Chinese Literature
KAWAZOE, K., Japanese Language and Literature
KOBAYASHI, H., Linguistics
KUMAGAI, K., Japanese History
MISHIMA, J., Educational Psychology
MURAOKA, A., German History
NAKANISHI, H., English Language and Literature
NIIJIMA, M., English Language
NISHIE, S., Anglo-American Literature
NISHIMURA, M., Archæology
NISHIO, T., Anglo-American Language
OGATA, T., Educational History
OKUBO, T., Geography
OSUGI, A., Geology
OTAKI, T., Philosophy
OYANE, B., Chinese Literature
SAITO, E., Chinese Literature
SAITO, K., French Literature
SASAKI, H., Japanese Literature
TAKEUCHI, T., Geography
TAKIGUCHI, H., Archæology
TATSUGUCHI, N., American Literature
YASUI, T., Journalism
YOKIO, R., Chinese Literature

School of Commerce:
AOKI, S., Accounting
ARAI, K., Accounting
ARITA, J., Philosophy
HARADA, T., Marketing
HAYASHI, F., Economical Statistics
HAYASHI, Y., Public Finance
HIRATAKE, D., Social Economy
IJIMA, Y., Merchandise
IKEDA, E., Management
IRIMAJIRI, Y., Economic History
ITO, K., Export Marketing
KANZAWA, S., Philosophy
KATSURAGI, T., Marine Insurance
KITAMURA, M., History of Economics
KOBAYASHI, T., Advertisement
KONDO, H., French
KUDO, Y., Economic History
KUNISAKI, F., Japanese Language
KURUMADO, M., Management
KUSAKABE, Y., Accounting
MACHIDA, M., International Economics
MASUNO, H., Anglo-American Language and Literature
MATSUBARA, A., Economics
MATSUSHITA, S., Finance
MOCHIZUKI, S., Finance
MORI, T., Economic Geography
MURAO, R., Religion
NAGAYANA, T., Labour Economy
NAKASHIMA, S., International Economy
NISHIMIYA, T., Economic Policy
ROKKAKU, T., Chinese
SAGUCHI, T., Social Policy
SAKAMOTO, S., Physics
SATO, K., Accounting
SHIMADA, K., Economics of Transportation
SOMEYA, K., Accounting
SUETAKA, M., Social Insurance
SUGINO, M., German Literature
SUZUKI, E., Management
SUZUKI, K., English
SUZUKI, W., English
TAKAMI, W., Mathematics
TANAKA, K., International Trade
TOBA, K., Economic History
UCHIDA, D., French Language and Literature
UEDA, S., Philosophy
UNO, M., Marketing
WATANABE, E., English
WATANABE, H., Anglo-American Language and Literature
YAJIMA, Y., Financial Economics
YAMANE, Y., English
YOSHINO, T., Securities

School of Science and Engineering:
AKASHI, N., Architecture
ANDO, K., Architecture
AOKI, K., Civil Engineering
ARAHATA, S., Electrical Engineering
FUJISE, N., Metallurgy
FUKUI, T., Mathematics

FURUKAWA, H., Industrial Management
FUSAMURA, N., Mining
FUSHIMI, H., Mining
GOTO, S., Civil Engineering
HAGIWARA, Y., Mining
HANO, I., Electrical Engineering
HARA, I., English Literature
HASEGAWA, M., Metallurgy
HAYAMA, F., Metallurgy
HIGASHIURA, Y., English Language
HIRATA, H., Physics
HIRATA, T., Electrical Communications
HIRAYAMA, H., Electrical Engineering
HOASHI, T., Electrical Engineering
HYODO, N., Civil Engineering
IHARA, S., Mechanical Engineering
IIDAKA, I., Metallurgy
IMAI, K., Architecture
IMAI, N., Mining
IMANISHI, M., English Language and Literature
INADA, S., Mechanical Engineering
INOUE, I., Applied Chemistry
INOUE, U., Architecture
ISHIDATE, T., Industrial Management
ISHIKAWA, H., Applied Chemistry
ISHIZUKA, Y., Electrical Engineering
ITO, T., Electrical Communication
ITO, T., Sound Engineering
IWAKATA, H., Electrical Communication
KASAI, H., Electrical Communication
KASHIMA, J., Metallurgy
KASHIWAYA, G., Biochemistry
KATO, C., Applied Chemistry
KATSUMURA, S., Politics
KAWAI, Y., Metallurgy
KAWAKAMI, S., Architecture
KAWAMURA, S., Electrical Engineering
KAYAMA, N., Metallurgy
KIMURA, K., Architecture
KOBAYASHI, T., Mathematics
KOIZUMI, S., Applied Physics
KONISHI, N., German Literature
KUSAKAWA, T., Metallurgy
MATSUBARA, S., Physics
MATSUI, G., Architecture
MATSUI, T., Civil Engineering
MATSUURA, Y., Mechanical Engineering
MINAMI, K., Architecture
MITA, Y., Electrical Engineering
MIYABE, H., Physics
MORITA, H., Mechanical Engineering
MORITA, T., Metallurgy
MORITA, Y., Applied Chemistry
MOROOKA, H., Mechanical Engineering
MURAI, S., Applied Chemistry
MURAKAMI, H., Civil Engineering
MURAMATSU, R., Industrial Management
NAKAI, H., Metallurgy
NAKAI, S., Industrial Management
NAKAMURA, K., German Literature
NAKANE, K., Welding
NAKANO, M., Mechanical Engineering
NAKANO, M., Mining
NAMBA, M., Mechanical Engineering
NAORA, N., Geometry
NATORI, J., Industrial Engineering
NOMOTO, N., Electrical Engineering
NUMATA, M., Mechanical Engineering
OKAMOTO, S., Applied Physics
OKUMURA, A., Mechanical Engineering
ONO, E., Applied Physics
OTANI, S., Metallurgy
OTSUBO, Y., Applied Chemistry
OZEKI, M., Industrial Management
SAITO, N., Physics
SAITO, T., Mechanical Engneering
SAJIMA, H., Civil Engineering
SAKURAI, S., French Literature
SATO, T., Applied Mathematics
SEKI, T., Mechanical Engineering
SEKINE, Y., Chemistry
SENGA, M., Industrial Marketing
SHIINA, C., English Literature
SHIBAYAMA, S., Mechanical Engineering
SHIOZAWA, K., Industrial Management
SHINOHARA, I., Applied Chemistry
SHIRAKAWA, M., Mechanical Engineering
SHIROZUKA, T., Applied Chemistry
SOEJIMA, T., Electrical Communication
SOSHIRODA, S., Architecture
SUZUKI, Y., English Literature
SUNOUCHI, H., Mathematics
TAKAGI, J., Electrical Engineering
TAKAHASHI, T., Mechanical Engineering
TAKASUGI, M., English Language and Literature
TAKEUCHI, M., Architecture
TAKE, M., Architecture
TAKETOMI, N., Applied Chemistry
TANABE, Y., Architecture
TANAKA, C., Mathematics
TANAKA, M., Mining
TANAKA, S., Electrical Engineering
TANI, T., Architecture
TAZAKI, T., Botanical Chemistry
TOMAYAMA, K., Physics
TSUTSUMI, N., Metallurgy
TSUBOUCHI, K., Industrial Management
TSURUTA, A., Architecture
UEDA, R., Physics
UEDA, S., Metallurgy
UEMATSU, K., Electrical Communication Engineering
UEMURA, T., Mathematics
UNO, S., Applied Chemistry
WADA, S., Mechanical Engineering
WAKABAYASHI, S., Metallurgy
WATANABE, S., Industrial Management
WATANABE, Y., Architecture
YAMAGUCHI, E., Applied Chemistry
YAMAMOTO, K., Applied Chemistry
YAMAZAKI, H., Electrical Engineering
YOKOTA, K., Mechanical Engineering
YONEDA, J., Logics
YONEMOTO, T., Civil Engineering
YONEYA, S., Civil Engineering
YOSHIDA, T., Applied Chemistry
YOSHIZAKA, T., Architecture

TECHNOLOGICAL UNIVERSITIES

Akita University: Tegata Fukada, Akita; mining engineering, metallurgy and teacher training.

Ehime University: 3 Bunkyo-cho, Matsuyama; f. 1949; arts, teacher training, engineering and agriculture; library of 234,000 vols.; Pres. F. KAGAWA; publs. *Memoirs of the Ehime University, Memoirs of the Institute for the Integrated Study of Shikoku Province.*

Fukui University: Makinoshima-cho Fukui; engineering and teacher training.

Gifu University: Monzen-cho, Naka-cho, Inaba-gun, Gifu-ken; agriculture, engineering and teacher training.

Iwate University: Kakuzanwaki, Ueda, Morioka; engineering, teacher training, agriculture.

Kobe University of Mercantile Marine: Fukae, Honjo-cho, Higashimada-ku, Kobe; navigation, engineering.

Kyoto University of Industrial Arts and Textile Fibres: Kitanojinja-mae, Kamikyo-ku, Kyoto; industrial and textile fibres.

KYUSHU INSTITUTE OF TECHNOLOGY

752 NAKABARU, TOBATA, KITAKYUSHU

Telephone: 87-1931.

Founded 1909.

President: T. TSUMAKI.
Chief Administrative Officer: H. SUGITA.
Librarian: H. OKAZAKI.

Number of teachers: 85.
Number of students: 1,499.

MIYAZAKI UNIVERSITY

100 FUNATSUKA-CHO, MIYAZAKI

Telephone: 2-2141.

Founded 1949.

President: I. IWAMURA.
Registrar: H. HARADA.
Librarian: Y. KATAYAMA.

Number of teachers: 282, including 65 professors.

Number of students: 1,668 men, 286 women, total 1,954.

DEANS:

Faculty of Agriculture: S. NAKASHIMA.
Faculty of Liberal Arts and Education: T. HIROTA.
Faculty of Engineering: T. SASAKI.

Muroran University of Engineering Technology: 17 Mizumoto-cho, Muroran; all brs. of engineering.

Nagoya Institute of Technology: Gokisho-cho, Showa-ku, Nagoya; engineering all brs.

Tokyo University of Agriculture and Technology: 1-8 Harumi-cho, 3-chome, Fucho-shi, Tokyo; agriculture and textile engineering.

Tokyo University of Fisheries: 6-chome, Shiba Kaigandori, Minato-ku, Tokyo; fishing, pisciculture.

TOKYO UNIVERSITY OF MERCANTILE MARINE

ECHUJIMA-CHO 2
FUKAGAWA KOTO-KU, TOKYO
Telephone: 641-8364.

Founded 1949.

Rector: Y. Asai.
Librarian: Y. Sasada.

Number of teachers: 74.
Number of students: 800.
Publication: *Journal of the Tokyo University of Mercantile Marine.*

UNIVERSITY OF ELECTRO-COMMUNICATIONS

14 KOJIMA-CHO,
CHOFU-SHI, TOKYO
Telephone: 82-2161.

Founded 1949.

President: M. Matsudaira.
Director of Secretariat: F. Hosoi.
Librarian: G. Hattori.

Number of teachers: 86.
Number of students: 1,160.

SCHOOLS OF ART AND MUSIC

Kanazawa Municipal College of Fine and Industrial Arts: 3-1 Dewa-machi, Kanazawa City; arts and crafts; 440 students.

Kunitachi College of Music: Kunitachi-cho, Kitama-gun, Tokyo; 140 students.

Kyoto Municipal College of Fine Arts: 50 Hiyoshi-cho, Imagumano, Higashiyama-ku, Kyoto; fine arts; 100 students.

Tama College of Fine Arts: 213 Tamagawa-kaminoge-cho, Setagaya-ku, Tokyo; paintings, sculpture, design; 67 teachers, 1,200 students; Pres. K. Inoue.

Toho Gakuen School of Music: 818 Kitano-cho, Chofu-shi, Tokyo; 60 students.

JORDAN

Population 1,860,493

LEARNED SOCIETIES AND RESEARCH INSTITUTES

American School of Oriental Research: Herod's Gate, Jerusalem; f. 1900; research projects in Semitic languages, literatures, and history; archaeological surveys and excavations; Dir. PAUL W. LAPP; publs. *Annual*, *Bulletin*, *Biblical Archaeologist*.

British Council: P.O. Box 634, Jebel Amman, Amman; libraries (*see below*); Rep. F. J. WAKELIN, O.B.E.

British School of Archaeology in Jerusalem: P.O.B. 283, Jerusalem; conducts archaeological excavation and research; *see* Colleges.

Goethe Institute: Ibn Sina Street, P.O.B. 1676, Amman; German cultural institute and German library; Dir. F. KORN, PH.D.

Studium Biblicum Franciscanum: P.O. Box 424, The Flagellation, Jerusalem (Old City), via Amman; centre of Biblical studies for the Franciscan order; library and museum (*see below*).

U.S. Information Center: Kabarday Street, Amman.

LIBRARIES

American Library: Kabarday Street, Amman; 5,000 vols.

Arab Women's Union Library: Bethlehem.

Bibliothèque de l'Ecole Biblique et Archéologique Française: P.O. Box 53, Jerusalem (via Amman); f. 1891; about 40,000 vols.; Librarian R.P. BOISMARD.

British Council Libraries: Amman (P.O. Box 634); 11,742 vols.; 91 periodicals; **Jerusalem** (P.O. Box 136, Nablus Rd.); 5,366 vols., 70 periodicals.

Gulbenkian Library (Donated by the late Mr. CALOUSTE GULBENKIAN): Armenian Patriarchate, P.O. Box 4001, Old City, Jerusalem; f. 1929; the library is one of the three great Armenian libraries in the diaspora, the others being the Mekhitarist Father's Library in Venice and another in Vienna; public library 50,000 vols. of which 20,000 are Armenian, also a section for Arabic books; Sec. SAHAG KALAYDJIAN; receives over 280 newspapers, magazines, periodicals (of which half are Armenian) from foreign countries; complete collections of newspapers and magazines dating from the 1850's are maintained, and a copy of the oldest and first Armenian newspapers, magszines, periodicals (of which half are library of 3,700 Armenian manuscripts (Manuscripts Librarian Bishop NORAYR BOGHARIAN); publ. *Sion* (monthly), official organ of the Armenian Patriarchate.

Library of the Greek Catholic Seminary of Saint Anne: Jerusalem (via Amman); f. 1882; 16,000 vols.; Librarian R. P. MICHEL LEPAGE; publ. *Proche-Orient Chrétien* (quarterly).

Library of the Studium Biblicum Franciscanum: P.O. Box 424, The Flagellation, Jerusalem (via Amman); Librarian Fr. AUG. SPIJKERMAN, O.F.M.; 7,000 vols.

Public Library, Amman Municipality: Amman; f. 1960; 4,000 vols. in English and Arabic; children's section.

Supreme Mosque Library: Mosque of Omar, Jerusalem (via Amman); f. 1931; contains Arabic and Islamic MSS.

MUSEUMS

Jordan Archaeological Museum, Dept. of Antiquities: Amman; f. 192[illegible]; Dir. AWNI DAJANI, PH.D.(LOND.); Curator FARAH [illegible]. MA'AYEH; publ. *Annual of the Department of Antiquities of Jordan*.

Islamic Museum: Amman.

Museum of the Studium Biblicum Franciscanum: P.O. Box 424 Convent of the Flagellation, Via Dolorosa, Jerusalem (via Amman); Curator Rev. Fr. AUGUSTUS SPIJKERMAN, O.F.M.

Palestine Archaeological Museum: Old City, Jerusalem; houses Dead Sea Scrolls; Curator JOSEPH SAAD.

UNIVERSITY

UNIVERSITY OF JORDAN

NEAR JUBAIHA, AMMAN

Founded 1962

Chairman of Board of Trustees: H. E. SAMIR RIFA'I.

Secretary-General: ABDUL HAMID YASIN.

Librarian: M. EL-AKHRAS.

The Faculty of Arts has studies in Arabic, English, Geography, History, Sociology, Philosophy, Psychology and Education; other faculties will follow as required; four-year B.A. degree courses.

Library contains 3,500 volumes.
Number of teachers: 7 professors and instructors.
Number of students: 150 men, 16 women, total 166.

DEAN:

Faculty of Arts: Dr. NASIRUDDIN ASAD.

COLLEGES

BRITISH SCHOOL OF ARCHÆOLOGY IN JERUSALEM

P.O.B. 283, JERUSALEM

(LONDON ADDRESS: 2 HINDE STREET, MANCHESTER SQUARE, LONDON, W.1)

Founded 1920.

Conducts archæological excavation and research; hostel and library.

Chairman: Sir MORTIMER WHEELER, C.I.E., M.C., T.D., M.A., D.LITT., D.LIT., F.B.A., P-P.S.A.

Director: Miss K. M. KENYON, C.B.E., M.A., D.LIT., F.B.A., F.S.A.

Publication: *Bulletin*, incorp. in Palestine Exploration Quarterly (twice yearly).

COUVENT SAINT ÉTIENNE DES PÈRES DOMINICAINS, ET ÉCOLE BIBLIQUE ET ÉCOLE ARCHÉOLOGIQUE FRANÇAISE

P.O. BOX 53, JERUSALEM (VIA AMMAN)

Convent founded 1884; Ecole Biblique founded 1891.

Research, Biblical and Oriental studies, exploration and excavation in Palestine.

Director: R.P. R. DE VAUX, O.P.

Library: *see above.*

Publications: *Revue Biblique* (quarterly), *Etudes Bibliques, Etudes Palestiniennes et Orientales, Etudes Archéologiques.*

GREEK CATHOLIC SEMINARY OF SAINT ANNE

JERUSALEM (VIA AMMAN)

Founded 1882.

Directors: R.P. MAURICE BLONDEEL (Senior Seminary). R.P. JEAN MAGNIN (Junior Seminary, Rayak, Lebanon).

Number of teachers: 30.
Number of students: 230.
Library: *see above.*
Publication: *Prôche-Orient Chrétien* (quarterly review).

MOSLEM EDUCATIONAL COLLEGE

P.O. BOX 385, AMMAN

Principal: BASHIR SABBAGH.

Number of teachers: 70.
Number of students: 1,739.

The College teaches Islamic religion, Arabic language, English language, mathematics, social studies and science.

KING HUSSEIN COLLEGE OF AGRICULTURE

TULKARM

Principal: Dr. S. A. NASHEF.

Number of teachers: 14.
Number of students: 225.

The College teaches animal husbandry, agronomy, horticulture, plant protection, other agricultural subjects and related basic sciences.

TEACHERS' COLLEGE

AMMAN

Founded 1953.

Principal: ABDUL HAMID YASIN, B.A., B.ED.

Library: 6,500 volumes.
Number of lecturers: 13.
Number of students: 146.
Duration of courses: 2 years.

Teachers' Training College: Arroub.

Teachers' Training College: Beit Hanina, P.O.B. 191, Jerusalem; f. 1952.

Teachers' Training College: Hawara; f. 1956.

Teachers' College: Ramallah; f. 1952; for women; Principal OLGA WEHBAH.

UNRWA Teachers' Colleges for Men and Women: Ramallah; f. 1958.

There is also an Agricultural College at Jobeha and a Technical Institute at Amman.

KENYA

Population 9,376,000

LEARNED SOCIETIES

Agricultural Society of Kenya: P.O.B. 30176, Nairobi; f. 1919; encourages and assists agriculture in Kenya; holds six shows per year; Pres. R. WILSON; Sec. H. A. COLLINS.

British Council, The: Kenya Cultural Centre, P.O. Box 751, Nairobi; Rep. H. T. LAWRENCE, O.B.E.; Regional Offices: City House, Prince Charles Street, Mombasa; Barclays Bank Building, Oginga Odinga Street, P.O. Box 454, Kisumu.

East Africa Library Association: P.O. Box 6031, Nairobi.

East Africa Natural History Society: P.O. Box 4486, Nairobi; f. 1909; 450 mems.; Pres. J. A. WOOD; publ. *Journal of the East African Natural History Society and the Coryndon Museum.*

East African Literature Bureau: P.O. Box 30022, Nairobi; f. 1948; planning and publishing text-books for schools, supplementary school reading and adult literacy materials and general literature for adults; encouraging and assisting African authors; Dir. N. L. SEMPIRA.

East African Wild Life Society: P.O.B. 20110, Nairobi; maintains interest in wild life and its conservation; publs. *Africana* (quarterly), *East African Wild Life Journal* (annually).

Kenya History Society: Hon. Sec., P.O. Box 14474, Westlands, Nairobi; f. 1955; objects are the collection of documents and antiquities, archaeological research, and the publication of historical and antiquarian papers; Chair. Col. R. D. CROFT WILCOCK.

Mombasa Law Society: P.O. Box 1386, Mombasa; f. 1922; 56 mems.; Pres. J. H. S. TODD, Barrister-at-Law; Sec. K. A. KASMANI, Barrister-at-Law.

Munitalp Foundation: Nairobi; private non-profit-making trust devoted to fostering the arts and sciences in East Africa; Chair. Capt. MALIN SORSBIE.

Regional Centre for Science and Technology for Africa: Nairobi; f. 1965; to help the 28 member countries of the 'Lagos Plan' to implement the need for a fifteen-fold increase in the number of scientists in Africa; a primary task of the centre will be the holding of conferences, symposia, seminars and training courses; under the auspices of UNESCO; Dir. ALAIN GILLE; Deputy Dr. L. O. IBUKUN.

RESEARCH INSTITUTES

British Institute of History and Archaeology in East Africa: P.O.B. 7680, Nairobi; f. 1960; library of 560 vols.; research into the history and archaeology of Eastern Africa, for which a number of studentships are offered; Pres. L. P. KIRWAN, C.M.G.: Treas. Sir GEORGE BERESFORD-STOOKE; Dir. NEVILLE CHITTICK; publ. *Azania* (annually).

East African Common Services Organisation (*formerly* The East Africa High Commission): P.O. Box 30005, Nairobi; f. 1961; Sec.-Gen. D. A. OMARI, M.B.E.; Kenya, Tanzania and Uganda participate on an equal partnership basis. Responsibility for the Organisation rests with the :

East African Common Services Authority: composed of the principal Ministers of the three territories, supported by five groups each of three ministers, one from each territory, one dealing with communications, one with finance .one with commercial and industrial co-ordination, one with research services and one with labour.

The East African Common Services Organisation administers 14 research groups, the following in Kenya (for others *see* chapters on Tanzania and Uganda):

East African Agriculture and Forestry Research Organisation: P.O. Box 21, Kikuyu; f. 1948; planning of research; soil science; plant physiology, plant genetics and breeding; forestry and forest entomology; systematic botany; animal industry; library of 20,000 vols.; Dir. Dr. ORDWAY STARNES, PH.D.; publs. *Annual Report*, and edits *East African Agriculture Journal.*

East African Industrial Research Organization: P.O. Box 1587, Nairobi; f. 1948; provides advice for established local industrial concerns and gives assistance in the establishment of new industries on the utilization of local materials; Dir. Dr. M. G. EDWARDS; publs. *Annual Report.*

East African Leprosy Research Centre (*The John Lowe Memorial*): P.O. Box 1044, Busia, Uganda (situated on Kenya side of Uganda/Kenya border); Dir. Y. OTSYULA; publs. *Annual Report.*

East African Meteorological Department: P.O. Box 30259, Nairobi; provides weather information from the Central Forecast Office; Regional Rep. in Dar-es-Salaam and Entebbe; research on artificial stimulation of rain; Dir. B. W. THOMPSON. publs. *Annual Report*, and many technical manuals.

East African Statistical Department: P.O. Box 30462, Nairobi; library 10,000 vols.; Dir. D. MWIRARIA.

East African Veterinary Research Organisation: P.O. Box 32, Kikuyu; f. 1948; preparation and issue of biological products and research into animal health and animal diseases; Dir. H. R. BINNS, C.M.G., O.B.E.; publ. *Annual Report.*

Coffee Research Station: P.O. Box 4, Ruiru; f. 1949; Dir. P. A. HUXLEY, B.SC., PH.D. (READING). publ. *Annual Report, Selected Articles on Coffee Culture, Atlas on Coffee Pests and Diseases, A Guide to Agricultural Chemicals.*

High Level Sisal Research Station: P.O. Box 7, Thika; f. 1939; Officer-in-charge W. A. BURGWIN. Research into the agronomy of sisal and allied matters.

Institute for Medical Research and Training: c/o Medical Research Laboratory, P.O. Box 30141, Nairobi; f. 1964 for research and doctor training.

Interafrican Bureau for Animal Health: Muguga, P.O. Kikuyu; Dir. J. F. C. SWAN, M.R.C.U.S., D.V.S.M.

Medical Research Laboratory (Medical Department, Kenya): P.O. Box 30141, Nairobi; all branches of medicine; library.

National Agricultural Research Laboratory: Scott Agricultural Laboratories, Department of Agriculture, Ministry of Agriculture and Animal Health, P.O. Box 30028, Nairobi; Dir. and Senior Soil Chemist J. K. GITAU, M.SC., Senior Plant Pathologist R. A. ROBINSON, B.SC.; Senior Entomologist P. E. WHEATLEY, B.SC.; Research Information Officer C. H. PEELER, B.SC., Quelea Control Officer F. M. KITONYO.

Pyrethrum Bureau, The: P.O. Box 420, Nakuru; The High Street, Berkhamsted, Herts, England.

Tea Research Institute of East Africa: P.O. Box 91, Kericho; studies on the production of tea, with special emphasis on agronomic, botanical, and chemical aspects; sub-stations in Tanzania and Uganda; library.

Veterinary Research Laboratory: P.O. Kabete; f. 1911; includes library of 2,500 vols.

LIBRARIES

British Council Library: Kenya Cultural Centre, Government Road, Nairobi; 7,000 vols.; brs. at Mombasa (8,000 vols.), and Kisumu (11,000 vols.).

Desai Memorial Library: P.O. Box 1253, Nairobi; f. 1942; public library and reading room; 31,800 vols.; books in Swahili, Gujarati, Hindi, Urdu, Gurumukhi and English; reference, newspaper and periodical sections; 1,151 mems.; Pres. A. M. SADARUDDIN; Sec. HARSHAD JOSHI.

East African Agriculture and Forest Research Organisation Library: P.O. Box 21, Kikuyu; approx. 20,000 vols.; Dir. Sir BERNARD A. KEEN, D.SC., F.INST.P., F.R.S.; Research Librarian L. D. VERDCOURT, A.L.A.

East African Literature Bureau Library: P.O. Box 30022, Nairobi; f. 1948; general stock 55,000 vols.; maintains book-box libraries in Kenya, Tanganyika, Uganda, and Zanzibar and a postal library service.

East African Agriculture and Forestry Organisation Library: P.O. Box 21, Kikuyu; 20,000 vols.; Librarian Mrs. L. D. VERCOURT, A.L.A.

Ismail Rahimtulla Trust Library: P.O. Box 333, Nairobi; 5,250 vols.; Librarian C. M. PATEL.

McMillan Memorial Library: P.O. Box 791, Nairobi; f. 1931; 110,000 vols. in Lending Library, 10,000 vols. in Reference Library; Chief Librarian GORDON D. HAZELDINE.

Royal College Library: Private Bag, Nairobi; 25,000 vols., 500 periodicals; includes collections of the East Africa Institute of Architects and the Association of Engineers; Librarian D. A. R. KEMP, B.A., F.L.A.

Seif Bin Salim Public Library: P.O. Box 83, Mombasa; 15,000 vols., general subjects, mainly in English and Gujarati; Librarian Mrs. M. D. KARKARIA.

United States Information Service Library: P.O. Box 30143, Nairobi; arts, history, science; 5,000 vols., 100 periodicals; Librarian P. E. BOCK.

MUSEUMS

Coryndon Memorial Museum: P.O. Box 658, Nairobi; f. 1911; all branches of natural history, pre-history, and geology; controlled by Museum Trustees of Kenya; Dir. R. H. CARCASSON.

Sorsbie Gallery: Nairobi; f. 1961; exhibitions of old masters and contemporary paintings, sculptures, prints and design from Africa and abroad.

Stoneham Museum and Research Centre: P.O. Kitale; collection of Africana, anthropology, art, botany, geology, zoology; library of 6,000 vols., and scientific publications; Dir. Lt.-Col. H. F. STONEHAM, O.B.E.

UNIVERSITY

UNIVERSITY OF EAST AFRICA

P.O. BOX 410, KAMPALA, UGANDA
Telephone: Kampala 56251.

Founded 1963

Incorporating Makerere University College, Kampala, Uganda (*see* Uganda chapter), University College, Nairobi, Kenya (*see below*), and The University College, Dar es Salaam, Tanzania (*see* Tanzania chapter).

Chancellor: Dr. JULIUS NYERERE, M.A., LL.D.
Acting Vice-Chancellor: Y. K. LULE, C.B.E., B.SC., DIP.ED., B.ED.
Acting Registrar: H. BROOKS, B.SC.(ECON), A.C.C.S.

UNIVERSITY COLLEGE

PRIVATE BAG, NAIROBI, KENYA
Telephone: Nairobi 27441
Telegraphic Address: Rotecea, Nairobi

Founded in 1956 as Royal Technical College of East Africa; new name, with university college status, in 1961.

Principal: A. T. PORTER, M.A., PH.D.
Registrar: R. B. EUSTACE, M.A.
Librarian: D. KEMP, B.A., F.L.A.

Number of teachers: 95.
Number of students: 420.

DEANS:

Faculty of Science: Prof. A. N. HUNTER.
Faculty of Engineering: Prof. R. JONES.
Faculty of Arts: G. D. WING, M.C.
Faculty of Art and Architecture: R. NELMS.
Faculty of Special Professional Studies: R. E. ELLMER.
Faculty of Veterinary Science: Prof. J. B. POLDING.

PROFESSORS:

HUNTER, A. N. (Physics).
ISAAC, W. E. (Botany).
JONES, R. (Mechanical Civil Engineering).
JUDSON, C. A. (Mathematical Engineering).
KETTLE, D. S. (Zoology).
LOUPEKINE, I. S. (Geology).
ROBINS, P. A. (Chemistry).
ROBSON, P. (Economics).
SEARS, D. B. (Mathematics).

ATTACHED INSTITUTE:

The College of Social Studies: Department of Residential Adult Education; f. 1961; offering 3 weeks courses and a one-year course to mature-age students.
Chairman: Sir DONALD MACGILLIVRAY, G.C.M.G., M.B.E.
Principal: PAUL FORDHAM.
Number of students: 60.

COLLEGES

East Africa Conservatiore of Music: P.O. Box 1343, Nairobi, Kenya: Dir. NAT KOFSKY.

Kenya Institute of Administration: Lower Kabete; f. 1961; Residential training for the Kenya Public Service in Public Administration, Local Government, Community Development and allied fields; library of 30,000 vols. and a fully equipped Audio-visual Aids Centre and Language laboratory. Principal; A. J. F. SIMMANCE 350 students; publ. *Journal*.

Kenya Polytechnic: P.O.B. 30214, Nairobi; f. 1961; Depts. of Engineering, Science, Building and Commerce; courses in Printing, Institutional Management and Technical Teacher Training.
Principal: J. M. MESSENGER.
Number of teachers: 45.

Mombasa Technical Institute: Mombasa; number of students 50; C. & G. Craft and U.L.C.I. Full, part-time and evening technical courses; Business studies and Science evening classes.

Strathmore College of Arts and Science: P.O. Box 25095, Nairobi, Kenya; residential college for 200 students of all races; managed by private Board of Trustees.

DEMOCRATIC PEOPLE'S REPUBLIC OF KOREA

Population 11,000,000

ACADEMIES

ACADEMY OF SCIENCES

MAMMOON-DONG, CENTRAL DISTRICT, PYONGYANG

Founded 1952.

President: KANG YUNG CHANG.

Vice Presidents: HAN HYUN KUN, JUN DOO HWAN, JOO HWA JONG.

INSTITUTIONS ATTACHED TO THE ACADEMY:

Institution of Physics and Mathematics: Heungboo-dong, Daesung District, Pyongyang.
Director: JUNG KYE SUN.

Institution of Biology: Heungboo-dong, Daesung District, Pyongyang.
Director: WON HONG KOO.

Institute of Engineering: Heungboo-dong, Daesung District, Pyongyang.
Director: KIM MOON KYOO.

Atomic Energy Committee: Chairman JUNG JOON TAIK.

Central Analysis Institute: Director SHIN KYUNG JUNG.

Astronomical Observatory: Head LI RAK BOK.

Mechanisation and Automation Research Institute: Deputy Dir. LI SUNG KYOON.

Central Metallurgical Research Institute: Dir. KIM IN SHIK.

Central Fuel Research Institute: Dir. CHOI SAM YUL.

Geology and Geography Research Institute: Dir. PAK SUNG WOOK.

Central Institute of Machine Building Industry: Dir. HAN DONG SIK.

Research Institute of Atomic Energy: Dir. DO IN SUP.

Silicate Institute: Dir. KIM EUNG SANG.

HAMHEUNG BRANCH OF THE ACADEMY OF SCIENCES:

Chemistry Research Institute: Dir. RYU KYUNG KOO.

Silicate Research Institute: Deputy Dir. JOO JAI HA.

Research Institute of Organic Chemistry: Dir. JOO SEUNG SUK.

Research Institute of Inorganic Chemistry: Dir. JO DONG KYOO.

Research Institute of High Molecules: Dir. LI JAI UK.

ACADEMY OF SOCIAL SCIENCE

PYONGYANG

Founded 1964

President: HUH SUK SUN.

Vice-President: HONK KI MOON.

INSTITUTIONS ATTACHED TO THE ACADEMY

Economics Institute: Dir. KIM KWANG JIN.

Law Institute: Dir. CHO MONG WOO.

History Institute: Dir. KIM SUK HYUNG.

Philosophy Institute: Dir. CHUNG JUN SUK.

Linguistics Institute: Dir. KIM BYUNG JE.

Literature Institute: Dir. KIM HA MYUNG.

Archaeology and Ethnographical Institute: Dir. DO YOO HO.

Classics Institute: Dir. HONG KI MOO.

ACADEMY OF MEDICAL SCIENCE

PYONGYANG

Founded 1958

President: CHOI EUNG SUK.

Vice-President: SHIN SUNG WOO, LI BYUNG NAM.

INSTITUTIONS ATTACHED TO THE ACADEMY:

Eastern Medicine Institute: Dir. CHOI WON SUK.

Hygiene Institute: Dir. LI WHA KYUNG.

Microbiology Institute: Dir. KIM IK BOK.

Pharmaceutical Institute: Dir. OH HYUN KWON.

Blood-Transfusion Institute: Dir. KIL YIUNG HOON.

Clinical Institute: Dir. WON YUNG MOOK.

Industrial Medicine Institute.

Physiotherapeutic and Balneotherapeutic Institute.

Hamheung Clinical Institute.

Hamheung Tuberculosis Institute.

ACADEMY OF FORESTRY SCIENCE

PYONGYANG

Directs research institutes in forest management, economics conservation and experimental centres.

ACADEMY OF AGRICULTURAL SCIENCE

PYONGYANG

Directs research institutes in agriculture, zoology and veterinary science, fruit cultivation, sericulture, forestry, agricultural mechanisation, irrigation, agronomical surveys and seed culitivation; Pres. KIM KYE HYUN.

LIBRARIES

State Central Library: Pyongyang Chief Librarian HUH JUNG SOOK; 1,500,000 vols.

North Hamkyung Provincial Library: Chungjin; Librarian HYUN KEUK SUN.

South Hamkyung Provincial Library: Hamheung; Librarian HAN SUNG HWAN.

North Pyongan Provincial Library: Shinuiju; Librarian CHA KYUNG RYOON.

South Hwanghai Provincial Library: Haeju; Librarian JUN PIL SOON.

North Hwanghai Provincial Library: Sariwon; Librarian KIM YUNG SANG.

Kangwon Provincial Library: Wonsan; Librarian JUNG BYUNG KUL.

Jakang Provincial Library: Kangge; Librarian LI BONG MOO.

South Pyongan Provincial Library: Pyongyang; Librarian LI EUI SUK.

Ryanggang Provincial Library: Hesan; Librarian KWON O HOON.

Kaesong City Library: Kaesong; Librarian LI IN SOOK.

Chungjin City Library: Chungjin; Librarian SONG YUNG JI.

Hamheung City Library: Hamheung; Librarian JUNG SAM KYO.

Nampo City Library: Nampo.

MUSEUMS

Korean Revolutionary Museum: Pyongyang; historical exhibits from second half of 19th century; Curator SUK DONG SOO.

State Central Liberation Struggle Museum: Pyongyang; historical materials from the latter half of the 19th century to the present day, including exhibits from the armed struggle against Japan in the 1930's and the recent Korea war; Dir. LI JONG HYUK.

State Central Historical Museum: Pyongyang; exhibits date from the pre-historic period to the early 20th century (the end of the Li Dynasty); Curator CHOI IL.

State Central Ethnographic Museum: Pyongyang; Vice-Curator HYUN CHUL.

State Central Fine Arts Museum: Pyongyang.

State Historical Museums: Shinuiju, Kaesong, Hamheung, Kangge, Hesan, Haeju, Chungjin, Wonsan, Sariwon, Myohyang Mt., Bochun County, Shinchun Country.

UNIVERSITY AND COLLEGES

KIM IL SUNG UNIVERSITY

PYONGYANG

Founded 1946

President: HA ANG CHUN.

Number of teachers: over 900.

Number of students: 7,231 day-time, 1,903 evening, 7,169 correspondence.

Faculties: History, Philosophy, Political Economics, Law, Philology, Foreign Literature, Geography, Geology, Physics and Mathematics, Chemistry and Biology.

Kim Chaik Polytechnical College: Pyongyang; Rector KIM KOOK HOON.

Hamheung Chemical Industry College: Hamheung; Deputy Rector KANG WON SIK.

Pyongyang Civil Engineering Institute: Pyongyang; Rector JI MYUN SHIK.

Wonsan Agricultural College: Wonsan; Rector LI YUNG KYOON.

Kangge Veterinary College: Kangge; Rector CHOI SEUNG HOON.

Pyongyang Medical College: Pyongyang; Rector KIM BAI JOON.

Chungjin Medical Institute: Chungjin; Rector LI JONG WAN.

Chungjin Mining College: Chungjin; Rector YANG IN SUN.

Hamheung Medical College: Hamheung; Pro-Rector JOO SUNG SOON.

Pyongyang Athletic College: Pyongyang; Rector KIM CHANG SUN.

Pyongyang Conservatoire: Pyongyang; Rector KIM HAK MOON.

Pyongyang Fine Arts College: Pyongyang; Rector CHANG SHI DON.

Pyongyang Drama and Cinematographic College: Pyongyang; Rector LI EUNG TAI.

Writers' Training Academy: Pyongyang; Rector HAN SUL YA.

Pyong Transport College: Pyongyang; Rector CHANG KWANG HO.

Pyongyang Engineering College: Pyongyang; Rector KIM DUK MO.

Pyongyang Irrigation College: Pyongyang; Vice-Rector CHA MYUNG SHIK.

Pyongyang Communications College: Pyongyang; Rector SHIN KI CHUN.

Pyongyang Light Industrial College: Pyongyang; Vice-Rector KIM SOON DUK.

Pyongyang Agricultural College: Pyongyang; Rector LI CHANG SOO.

Pyongyang Foreign Language College: Pyongyang; Rector O HYUN JOON.

Pyongyang Commercial College: Pyongyang; Rector KIM SANG JOON.

Pyongyang Literary College: Pyongyang; Rector JO BYUK AM.

Pyongyang Dance College: Pyongyang; Vice-Rector KIM JIN OK.

Wonsan Fisheries College: Wonsan; Rector CHI IN WHA.

Haeju Medical College: Haeju; Rector LI CHOON KEUN.

Hesan Medical College: Hesan; Rector KIM HA JIN.

REPUBLIC OF KOREA

Population 26,277,635

ACADEMIES

National Academy of Arts: San 2-1, Samchung-dong, Chong-ro-koo, Seoul; f. 1954; 46 mems.; Pres. Chong Wha Bark; Vice-Pres. Chi Jin You; Literature Jung Joo Suh; Fine Arts Reum Pai; Music Joo Whan Rhee; Theatre Hang Suk Suh.

National Academy of Sciences: San 2-1, Samchung-dong, Chongro-gu, Seoul; f. 1954; 92 mems.; 1,500 vols. n library; Pres. Dr. Pyong Do Yi; Vice-Pres. Dr. Sang Eun Lee, Dr. Dong Hyuck Ahn; Sec.-Gen. Byeng-tai Min; publs. *Bulletin*, *Journal*.

LEARNED SOCIETIES

Korean Agricultural Engineering Society: 60 Sejong-ro, Chongno-ku, Seoul; f. 1949; 1,000 mems.; Chair. Jong Moo Kang.

Korean Association for the Biological Sciences: c/o Sung Kyun Kwan University, Seoul; Pres. Dr. Tae Hyun Chung; Sec. Yoon Soo Kim.

Korean Engineers' Association: 5–5, Myong-dong, 2, Choong-ku, Seoul; f. 1952; Sec.-Gen. Tae Wook Kim.

Korean Medical Association: I.P.O. Box 2062, Seoul; f. 1947; 8,500 mems.; Sec.-Gen K. Park, M.D.; publ. *Journal*.

Korean Association of Sinology: c/o Korea University, Seoul; f. 1955; Chair. Sang Ki Kim.

Korean Economic Association: c/o Choong Ang University, Seoul; f. 1952; Pres. Dr. Ho Jin Choi.

Korean Historical Association: 2-5, Myong-nyun-dong 3-ga, Chong-no-ku, Seoul; f. 1952; publs. *Yoksa Hakbo* (The Korean Historical Review), 25 issues.

Korean Library Association: 6 Sogong-dong, Seoul; Exec. Sec. Chong Moon Lee.

Korean Psychological Association: c/o Seoul University College of Liberal Arts and Sciences, Seoul; f. 1946; Pres. Euichol Lee.

Korean Chemical Society: 199 Dongsung-dong, Chongno-ku, Seoul; f. 1946; Pres. Dong Il Kim; Sec.-Gen. Sang up Choi.

RESEARCH INSTITUTES

Central Meteorological Observatory: Seoul; under the control of the Ministry of Transport.

Defence Ministry's Science Research Institute: Seoul.

Institute of Agriculture: Suwon; Dir. Nam Kyoo Chung.

Institute of Far Eastern Studies: c/o Yonsei University, Sinchon-dong, Sudaemun-ku, Seoul; f. 1955; Rep. Dr. L. George Paik.

Korean Social Sciences Research Society: 90.1, Chungjung-ro I, Sudaemun-ku, Seoul; Pres. Dr. Byung Do Lee.

National Industrial Research Centre: 199 Dongsoong-dong, Chongno-ku, Seoul f. 1883; Dir. Chae Ho Lee.

LIBRARIES

Chungang University Library: 221 Huksuk-dong, Yong-dungpo-ku, Seoul; f. 1949; 97,557 vols.; Dir. Jong Chul Kim.

Dong-Kook University Library: 26 Pil-dong III, Choon-ku, Seoul; f. 1928; 110,000 vols.; Dir. Suck Kyoo Oh.

Ewha Women's University Library: San 1, Daehyun-dong, Sudaemun-ku, Seoul; f. 1923; 91,145 vols.; Dir. Bong Soon Lee.

Korea University Library: 1 Anam-dong, Sungbuk-ku, Seoul; f. 1937; 132,563 vols.; Dir. Soon Shik Kim.

Kyung Puk University Library: 1370, San-kyuk-dong, Taegu; f. 1952; 118,851 vols.; Dir. Ki Ho Chung.

Namdaimoon Library: Seoul; f. 1922; 68,110 vols.

National Assembly Library, Republic of Korea: Taepyong-Ro, Choong-ku, Seoul; f. 1952; 110,000 vols.; international publications exchange; Chief Librarian Youn-Sup Park, Asst. Chief Librarian Moon-Am Chun, Exchange Librarian Chong-Ill Park; publs. *National Assembly Review*, catalogues.

National Central Library: Sogong-dong 6, Jung-Gu, Seoul; f. 1925; 390,000 vols.; national and international exchange; Dir. Nak Ku Choi; publ. Korean National Bibliography.

Pusan University Library: 30, Jangjun-dong, Pusan; f. 1955; 60,415 vols.

Seoul National University Library: Seoul; f. 1926; 778,920 vols.; Librarian Kesook Kim, PH.D.

Transport Library: Seoul; f. 1920; 200,000 vols.

U.S. Information Center Library: 16, 1-ka, Ulchiro, Choong-ku, Seoul; also at Taegu.

Yonsei University Library: Yonsei University, 134 Shinchon-dong, Sudaemoon-ku, Seoul; f. 1915; 176,620 vols.; including Korean archives; Dir. H. G. Underwood.

MUSEUMS

National Museum: Seoul; f. 1916; there are three branches: one in Kyungju, which has the collections of the Silla Dynasty's culture; one in Puyo, which has the collections of the Paekche Dynasty's culture, and one in Kongju (Paekche art); Dir. Dr. Chewon Kim.

Duksoo Palace Museum of Fine Arts: Duksoo Palace, Taepyong-ro 1, Choong-ku, Seoul; f. 1909.

Gyungbok Art Gallery: Gyungbok Palace; national art exhibition held here annually.

UNIVERSITIES

CHONNAM NATIONAL UNIVERSITY

KWANGJU, CHOLLANAM-DO

Founded 1952.

President: HA WOOK PARK.
Registrar: JAE SOO LEE.
Librarian: BYONG WOO YANG.

Number of teachers: 221.
Number of students: 2,420.
Publications: *Journal of the Institute of Honam Area Studies, Rural Development Review, Law Review, Historical Review.*

DEANS:

College of Engineering: HANG KEE OH.
College of Commerce: HEE CHUN MO.
College of Agriculture: CHAI CHUN KO.
College of Law: BYONG KAP CHO.
College of Medicine: KYU CHAN CHO.
College of Liberal Arts and Sciences: KEE CHUN YOO.
Graduate School: JIN KEE LEE.
Academic Affairs: TAE KYU KIM.

PROFESSORS:

College of Engineering:
BANG JIN CHOE
JAE WAN KIM

College of Comeerce:
UNG SOON PARK

College of Agriculture:
NAM HYUN PEK
DONG HO KIM
BYONG JAE CHUNG
PIL KYU LEE
KYUM JAE PARK
KYU RYUN CHOE

College of Law:
JONG SOO KIM
YONG SUB ANN
KWANG TEK LIM
BANG KEE MIN
SUNG KYU SON
TAE KYU KIM
YONG HWAN CHOE
HAN KEE KIM

College of Medicine:
JIN KEE LEE
EYW WON KANG
SUNG HEE KIM
KEE CHANG KIM
CHUN WOO NAM
HAK YOON KIM
HEE CHUN CHOE
YUNG IN KIM
CHUL SON
HU YUNG PARK
JAE IN WOO

College of Liberal Arts and Sciences:
DONG HOON LEE
KYU HWAN PARK
KOOK JOO OH
SANG SOON SIN
IK SUB CHUNG
DONG HYUNG LEE
KUK BYUN

CHOSUN UNIVERSITY

KWANG JOO

President: CHUL WONG PARK.
Number of students: 2,920.

DEANS:

College of Liberal Arts and Sciences: MYUNG SOO KIM.
College of Law and Political Science: UN TAI LEE.
College of Engineering: CHUNG KI CHOI.

CHUNGANG UNIVERSITY

HUKSUK DONG, SEOUL

Telephone: 4-0131/5

Founded 1919.

President: SEONG HI YIM.
Librarian: JONG CHUL KIM.

Number of teachers: 213.
Number of students: 6,592.
Publications: *Theses Collection, Review of Liberal Arts and Sciences, Review of Law and Political Science, Chungang Economic Review, Journal of Economics and Business Administration, Journal of Chungang Pharmacy.*

DEANS:

College of Liberal Arts and Sciences: CHULL PAIK.
College of Law and Political Science: HYUNG-SOO KIM.
College of Economics and Commerce: KUN-CHANG PARK.
College of Pharmacy: HYUNG-HO YANG.
Graduate School: IN SOB ZONG.
Academic and Student Administration: YUH CHIN LEE.

CHUNGNAM NATIONAL UNIVERSITY

TAIJON

Founded 1953.

President: JUNG HO LEE.
Secretary-General: SOO YONG KIM.

Number of students: 2,230.

DEANS:

Academic and Student Administration: YOUNG MOOK KIM.
Graduate School: KICHANG KUM.
College of Agriculture: CHIN HANG KANG.
College of Liberal Arts and Science: SOONG TONG KIM.
College of Engineering: CHAI KAP CHOI.

CHUNPUK NATIONAL UNIVERSITY

CHUN-JOO, CHOLLA PUK DO

Founded 1952.

President: DR. DOO HYUN KIM.

Number of students: 4,020.

DEANS:

College of Engineering: JUNG MAN CAO.
College of Agriculture: NAM HYUK PIK.
College of Liberal Arts and Science: DOO HYUN KIM.
College of Law and Political Science: S. B. CHON.
College of Commerce: HYO SAM PARK.

EWHA WOMEN'S UNIVERSITY

DAIHYUN-DONG, SEOUL

Telephone: (73) 0150-0158.

President: DR. OKGILL KIM.
Registrar: Miss SUNYONG HAM.
Librarian: Miss BONGSOON LEE.

Number of teachers: 360.
Number of students: 7,557.
Publications: *Ewha Voice* (monthly, in English), *Ewha Hak Bo* (weekly, in Korean).

DEANS:

Faculty: YOUNGHAK HYUN.
Students: Mrs. CHUNGOK KIM CHO.
College of Liberal Arts and Science: HEUN KOO RHEE.
College of Music: Mrs. YOUNG YI KIM.
College of Fine Arts: IN-SEUNG KIM.
College of Law and Political Science: Mrs. TAIYOUNG LEE CHUNG.
College of Medicine: KYUNG CHANG.
College of Pharmacy: SONG KYU RHEE.
Graduate School: SE KYU LEE.
College of Education: EMMA KIM.
College of Physical Education: Mrs. YOON JIN LEE.

KOREA UNIVERSITY

ANAM-DONG, SEOUL

Founded 1905, as Posung College.

President: DR. CHIN OH YOO.
Dean of Academic Affairs: SOKEE YOH.
Dean of Students: SUNG-JONG HYUN.
Librarian: HONG-JIK LEE.

Library contains 160,000 volumes.
Number of teachers: 200.
Number of students: 7,000.
Publication: *Kodai Shinmoon.*

DEANS:

General Education Department: HANG-NYUNG LEE.
College of Law: CHAE-SUP PARK.
College of Commerce and Business Administration: SOO-YUNG CHUNG.
College of Liberal Arts: HI-SUNG PARK.
College of Agriculture: KI-CHANG HONG.
College of Political Science and Economics: TONG-PIL CHO.
College of Science and Engineering: CHONG-WOO LEE (acting).
Graduate School: KWAN-SUK CHAE.
Graduate School of Business Administration: HYO-ROK KIM.

Affiliated Institutes:

Ethnology Museum.

Asiatic Research Institute.

Business Management Research Center.

Korean Classics Translation Committee.

KYUNG-POOK NATIONAL UNIVERSITY

TAEGU

Founded 1952.

President: CHOL-SOON KEH.
Administrative Officer: YUNG-SOO PAIK.
Librarian: BYUNG-UOOK PAIK.

Number of teachers: 216.
Number of students: 3,435.
Publication: Bulletin of Kyung-pook National University.

DEANS:

College of Agriculture: YONG PILL KIM.
College of Liberal Arts and Sciences: MYUNG SHIK NOH.
College of Teachers: HAK-SU KIM.
College of Law and Political Sciences: YONG-KYU KIM.
School of Medicine: JOO-YONG SOH.
Graduate School: CHUNG-KI PARK.
Dean of Students: SHI-KWON CHEON.

PUSAN NATIONAL UNIVERSITY

30 JANG JUIN-DONG, DONG NAE-KU, PUSAN

Telephone: 2171-9.

Founded 1946.

President: KI SUK SHIN.
Registrar: YOO JIN KIM.
Librarian: JE YOUNG CHUHG.

Number of teachers: 181 (including 24 full professors).
Number of students: 3,374.

DEANS:

Graduate School: YOUNG OCK MIN.
College of Liberal Arts and Sciences: CHUNG HOE KOO.
College of Law and Policy: KIL WOO JAE.
College of Business: CHONG HUYEN HUH.
College of Engineering: HYUNG KIU RHEE.
College of Medicine: BANG HYEUN LIU.
College of Pharmacy: CHA DUK KIM.

PROFESSORS:

BAE, KEE HOON, Business Administration
CHOI, BUONG CHANG, Practical Pharmacy
CHUNG, CHANG SOO, Pathology
CHUNG, JE WOUNG, Commercial Law
CHUNG, JONG HWA, Economics
DOH, YOUNG JOO, Architecture
HUH, JUNG HYEUN, Cost Accounting
JAE, KIL WOO, Civil Law
KIM, CHA DUK, Qualitative Analytical Chemistry
KIM, CHUNG SOO, Applied Mathematics
KIM, KEE SIK, Foreign Trade
KIM, SANG TAE, Pharmacology
KIM, YOUNG KI, Eastern History
KOO, CHUNG HOE, English Literature
LIU, BANG HYEUN, Internal Medicine
MA, SOON IL, Fishing
MIN, YOUNG OCK, Surgery
PARK, KEE TAEK, Servo-Mechanics
RHEE, HYUNG KIU, Organic Chemistry
RHEE, MYUNG SUP, Philosophy of Natural Science
RHEE, SANG TAE, Biochemistry
RHEE, SEE HWAN, Economics and Politics
RHEE, WAN YOUNG, Administrative Law
YOON, BYONG KEE, Politics

SEOUL NATIONAL UNIVERSITY

SEOUL

Founded 1946.

President: DR. IL SUN YUN.
Academic Dean: DR. KI CHUNRYU.
Dean of Students: HAN KEE LEE.
Librarian: KWANG HYUN CHUNG.

The library contains 600,000 volumes.
Number of students: 11,120.
Publications: *Seoul University Press* (weekly).

DEANS:

College of Agriculture: BAIK HYUN CHO.
College of Commerce: OH IK KWON.
College of Dentistry: DR. YOUNG CHAN KIM.
College of Fine Arts: PAL CHANG.
College of Engineering: MOON SANG KIM.
College of Law: TAI WHAN SHIN.
College of Liberal Arts and Science: YANG HA LEE.
College of Music: DR. CHOO WAN MYUNG.
College of Medicine: KU DONG HAN.
College of Pharmacy: DR. ZAI MYUNG HYUN.
College of Veterinary Medicine: YOUNG SO LEE.
College of Education: CHONG SOO LEE.
Graduate School: DR. BYUNG DO LEE.
School of Public Administration: TAI WHAN SHIN.
School of Public Health: DR. CHOO WAN MYUNG.

SHINHOONG UNIVERSITY

HOIKI DONG, SEOUL

Founded 1956.

President: YOUNG SHIK CHO.

Number of students: 1,520.

DEANS:

College of Law: UM MIN YOUNG.
College of Political Science and Economics: RO SHIK PARK.
College of Liberal Arts and Science: YO SUP CHOO.
College of Physical Education: MYUNG BOK KIM.
Graduate School: DOO YIL KIM.

SOOKMYUNG WOMEN'S UNIVERSITY

CHUNGPA-DONG, SEOUL

Founded 1946.

President: DR. SOONSIK KIM.
Registrar: CHANG SHIK SHIN.
Librarian: CHAN WOO SHIN.

Number of teachers: 180.
Number of students: 2,580.

DEANS:

College of Liberal Arts and Science: EI CHUNG KIM.
College of Political Science and Economics: SHAN SHU KIM.
College of Music: HUNG YULL YI.
College of Pharmacy: KUM HUH.
Graduate School: HYUNG JIN YOO.

PROFESSORS:

CHUNG, BYUNG HAK, Oriental History
CHUNG, IN MOK, Accounting
HAN, KYU DONG, Voice
HANG, HAN YOUNG, Korean Literature
HANG, JIN CHUL, Korean History
KIM, BYUNG SUL, Home Economics
KIM, CHOO SUNG, Public Health
KIM, CHUN AE, Voice
KIM, EI CHUNG, Physics
KIM, HAK AE, Living Arts
KIM, KYU YOUNG, English Literature
KIM, SHAM SHU, Economics
KIM, YOON SUK, Korean Clothing
KIM, YOUNG JAI, Pharmacognosy
KOH, OK NAM, English Language
KWAK, CHONG WON, Korean Literature
LEE, CHANG SHIN, History of Korean Education
LEE, CHANG WHAN, English Literature
LEE, CHONG ROK, Educational Sociology
LEE, CHUNG HOON, Philosophy
LEE, MOON WON, Business Administration
PARK, SOO SUN, Biochemistry
PYO, KYUNG CHO, Home Management
RO, IL HYUP, Analytical Chemistry
YI, HUNG YUL, Composition
YI, NEUNG-WOO, Korean Literature
YOO, HYUNG JIMN, Comparative Education

SUNG KYUN KWAN UNIVERSITY

MYUNG RYUN DONG, SEOUL

Founded 1954.

President: KWANG HA CHO.

Number of students: 3,040.

DEANS:

Graduate School: NAM SOON LEE.
College of Liberal Arts and Science: HUH HYUN.
College of Law and Political Science: DONG WOOK SHIN.
College of Pharmacy: KEUN YUNG KIM.
Dean of Students: RO TAE PARK.

DONG-KOOK UNIVERSITY

PIL DONG, SEOUL

Founded 1928.

President: DR. BUP RIN KIM.
Administrative Dean: EUN TAIK CHO.

Number of teachers: 204.
Number of students: 4,797.
Publication: *Dong Dai Shinmoon* (weekly).

DEANS:

Graduate School: DR. JOO DONG YANG.
College of Liberal Arts and Science: SEONG HAE HONG.
College of Buddhism: PROF. WON KYOO CHANG.
College of Law and Political Science: PROF. KEE SOO KIM.
College of Agriculture: PROF. SUENG WOO LEE.

YONSEI UNIVERSITY
(Chosun Christian University and Severance Union Medical College)

SODAEMOON-KU, SEOUL

Severance founded 1904.

CCU founded 1915.

United 1957.

President: TAE SUN PARK.

Vice-President: EUI-SUL CHO.

Librarian: H. G. UNDERWOOD.

Number of teachers: 278.

Number of students: 5,642.

Publications: *Yonsei Annals, Journal of Far Eastern Studies, Yonsei Non-Chong.*

DEANS:

University: YUN MYUNG HONG.

Men: DAE JUNE KIM.

Women: CHISUN SHIM.

Graduate School: KIL SANG LEE.

The United Graduate School of Theology: CHUNG CHOON KIM.

The Graduate School of Business Administration: KYU SAM KIM.

College of Liberal Arts: HYUNG-KOOK JUN.

College of Business Administration: HO CHIN CHOI.

College of Science and Engineering: MAN CHOON HAN.

College of Theology: PETER VAN LIEROP.

College of Political Science and Law: KWAN SOOK PARK.

College of Music: TAI JOON PARK.

College of Medicine: PYUNG HEE LEE

College of Home Economics: E SOON CHOI.

Director of General Affairs: YUN SOK KIM.

COLLEGES

Chinju Agricultural College: Chinju; f. 1948; 640 students; Dean WOON SUNG HWANG.

Chunchon Agricultural College: Chunchon; 760 students; Dean IN SUP HAM.

College of Oriental Medicine and Pharmacology: 10-15 Anam-dong, Sungbuk-ku, Seoul; f. 1948; 640 students; Dean HO POONG PARK.

Han Yang Institute of Technology: 8-2, Haengdang-dong, Sungdong-ku, Seoul; f. 1939; 2,300 students; Dean YUN JOON KIM.

Inha Institute of Technology: Inchon; f. 1954; courses in metallurgical engineering, mechanical engineering, electrical engineering, mining engineering, naval architecture, chemical engineering, ordnance engineering, nuclear engineering, civil engineering, and architecture; Pres. KIM BYONG HI.

Number of teachers: 62.

Number of students: 2,752.

Pusan Fisheries College: Pusan; 965 students; Dean TAEYUNG CHUNG.

Seoul Agricultural College: 8-3 Junnong-dong, Dong-daemun-ku, Seoul; f. 1950; 420 students; Dean HI JAE LEE.

Soo Do Medical College: No. Four 2nd Street, Myung Yun Dong, Chong No Ku, Seoul; f. 1938; 790 students; Dean Dr. YOUNG TAEK KIM.

Surabul Art Junior College: Seoul.

Technical High School: Kwangjoo; electrical and mechanical engineering, and special courses in mining engineering and textile spinning; 1,750 students.

KUWAIT

Population 468,042

LEARNED SOCIETY

British Council: P.O.B. 345, Kuwait City; Rep. O. J. J. TUCKLEY, M.B.E.

LIBRARIES

Kuwait Central Library: Kuwait City; 12,000 vols.; 3 brs.; Chief Librarian MOHAMMED MOHAMMAD SALEH.

Kuwait University Library: Kuwait City; f. 1963; 25,000 vols.; Librarian M. H. ELZEHERY.

MUSEUM

Kuwait Museum: Kuwait City; excavation findings from Failaka Island, dating back to Babylonian times.

UNIVERSITY

KUWAIT UNIVERSITY

P.O. BOX 1527, KUWAIT CITY

Telephone: 380

Founded 1962; to be inaugurated 1966.

Chancellor: Sheikh ABDULLAH AL-JABIR AL-SABAH.

Rector: Prof. Dr. A. H. MONTASIR.

Registrar: A. AL-ASHMAWY.

Librarian: M. H. ELZEHERY.

The first students will be accepted into the Faculty of Letters and Sciences in October 1966. The Faculties of Engineering, Medicine, Commerce and Law will commence later.

THE LEBANON

Population 2,152,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Association Libanaise des Sciences Juridiques: Faculté de Droit et des Sciences Economiques, l'Université Saint Joseph, B.P. 293, Beirut; f. 1963; represents the Lebanon in the International Association of Legal Science; Pres. Prof. FRANÇOIS DEBBANE.

British Council: Fawzi Azar Building, Sidani Street, Beirut; has close links with the universities, and maintains a library of 16,000 volumes; Representative J. H. GRIMES.

Centro Cultural Hispánico (*Spanish Cultural Centre*): calle Omar Abdel Aziz, 123, Beirut.

Institut de Recherches d'Economie Appliquée: Faculté de Droit et des Sciences Economiques, l'Université Saint Joseph, B.P. 293, Beirut; f. 1963; economic studies of the Lebanon and other countries of the Middle East; Dir. Prof. ELIAS GANNAGE.

Institut Français d'Archéologie: rue Georges Picot, P.O. Box 1424, Beirut; f. 1946; Dir. HENRI SEYRIG; library of 17,250 volumes; publs. *Syria, Revue d'Art et d'Archéologie* (42 vols. published), and *Bibliothèque Archéologique et Historique* (81 vols. published).

Institut Libanais de Sciences Criminelles: Faculté de Droit et des Sciences Economiques, l'Université Saint Joseph, B.P. 293, Beirut; f. 1964; Dir. Prof. JEAN BAZ.

Institut Polonais pour la Littérature et la Science: 53 rue Ain al-Mreissé, Beirut; f. 1945.

Istituto Italiano di Cultura: rue Sadat 39, Beirut; Dir. Prof. MARIO MONTUORI.

U.S. Information Center: rue Clemenceau, Beirut.

LIBRARIES

Bibliothèque de l'Ecole Supérieure des Lettres: rue de Damas, Beirut; Librarian FADL KASSEM; number of volumes: 22,000.

Bibliothèque Nationale du Liban: Beirut; f. 1921; Dir. ABDALLAH TABBAE; copyright library, depository for U.N. documents, number of volumes: 100,000, and 2,500 MSS.

Bibliothèque Orientale: Université St. Joseph, Beirut; f. 1881; Dir. Rev. FRANCIS HOURS, S.J.; number of volumes: 135,000; number of MSS.: 2,800; number of periodicals: 600.

Library of the American University: Beirut; f. 1866; Librarian FRANCIS L. KENT, M.A.; number of volumes: 200,000; 1,000 MSS.

Library of the Monastery of Saint-Saviour (*Basilian Missionary Order of Saint-Saviour*): Saida; f. 1711; number of volumes: 25,500 and 2,500 MSS.; Librarian GABRIEL HADDAD; publs. *Ar-Riçalat* (monthly), *Al-Wahdat* (quarterly), *L'Ordo Grec-Catholique.*

Library of the Faculty of Law: Université Saint Joseph, Beirut; f. 1913; Librarian Rev. JOSEPH TAMBÉ, S.J.; number of volumes: 23,452.

Library of the French Faculty of Medicine and Pharmacy: Université Saint Joseph, Beirut; f. 1883; Librarian J. FLAMET; number of volumes: 15,000.

Library of the Higher School of Engineering: Université Saint Joseph, P.O. Box 1514, Beirut; f. 1931; Librarian E. ABDUL-JALIL; number of volumes: 7,000.

Library of the Institut Français d'Archéologie: rue Georges Picot, P.O. Box 1424, Beirut; f. 1946; Dir. HENRI SEYRIG; number of volumes: 17,250.

Library of the Ksara Observatory: Ksara; f. 1907; Dir. Rev. J. PLASSARD; number of volumes: 8,000.

Library of the Near East School of Theology: P.O. Box 235, Beirut; Librarian FAITH L. WINGER, M.R.E., M.S.; number of volumes: 23,000.

Library of the St. John Monastery (*Basilian Shweirite Order*): Khonchara; f. 1696; Abbot-General Rt. Rev. Father AUGUSTIN FARAH; number of volumes: 157,000 and 372 MSS

Library of the Syrian Patriarchal Seminary: Seminary of Charfé, Daroon, Harissa; f. 1786; number of volumes: 22,500, and 2,500 Syriac and Arabic MSS.; publ. *Trait d'Union.*

MUSEUMS

American University Museum: Ras Beirut; f. 1868; Curator Dr. D. C. BARAMKI; collection includes: Stone Age flint implements; bronze tools and implements from Early Bronze Age to Byzantine Period; pottery and other artefacts from the Bronze and Iron Ages, Classical, Hellenistic, Roman and Byzantine Periods; Arabic pottery from the 8th-16th centuries; Phoenician glassware; Egyptian artefacts from the Neolithic, Dynastic Periods, pottery from the Neolithic Period of Mesopotamia and cylinder seals and cuneiform tablets from Sumer and Akkad; numismatics of the countries in the eastern basin of the Mediterranean.

National Museum of Lebanon (*Musée National*): Beirut; f. 1920; Dir. and Chief Curator Emir MAURICE CHÉHAB; exhibits: royal jewellery, arms and statues of the Phoenician epoch; sarcophagus of King Ahiram (13th century B.C.), with first known alphabetical inscriptions; the collection of Dr. G. Ford of 25 sarcophagi of the Greek and Hellenistic epoch; large collection of terracotta statuettes of the Hellenistic period; Roman and Byzantine mosaics; Arabic woods and ceramics; publ. *Bulletin.*

Sursock Museum: Beirut.

UNIVERSITIES

AMERICAN UNIVERSITY OF BEIRUT

BEIRUT

Telephone: 292860.

Founded 1866.

Language of instruction: English.

President: N. BURNS, M.A., LL.D.
Vice-Presidents: F. SARRUF, LL.D., V. E. LIND, M.B.A.
Comptroller: V. E. LIND, M.B.A.
Business Manager: J. WHELDON, M.A.
Registrar: F. A. FULEIHAN, B.B.A.
Librarian: F. L. KENT, M.A.

Number of teachers: 500.
Number of students: 3,176.

Publications: Social Sciences, Archæological, Oriental, Natural Science and *Medical Series, Al-Abhath* (Arabic quarterly), *Chronology of Arab Politics* (quarterly in Arabic and English).

DEANS:

Faculty of Arts and Science: E. T. PROTHRO, PH.D.
Faculties of Medical Sciences: S. B. KIRKWOOD, M.D., D.SC. (Dean of Faculties); J. J. McDONALD, M.D., M.S. (Dean of School of Medicine).
Faculty of Engineering: R. GHOSN, M.SC., C.E., M.ARCH.
Faculty of Agricultural Sciences: R. A. NICHOLS, PH.D.

PROFESSORS:

Faculty of Arts and Science:
ABDUL KARIM, A. F., PH.D., Chemistry
AKRAWI, M., PH.D., Education
BARAMKI, D. C., PH.D., Archæology
BURDICK, A., M.S., PH.D., Biology
BUTROS, J. M., PH.D., Biology
COPPOCK, J., PH.D., Economics
FARIS, N. A., PH.D., Arab History
FRAYHA, ANIS K., PH.D., Semitic Studies
HANANIA, F., B.B.A., M.A., LL.B., Law
HIJAB, W., PH.D., Mathematics
ISSIDORIDES, C. H., PH.D., Chemistry
JABBUR, J. S., PH.D., Arabic
KENNEDY, E. S., PH.D., Mathematics
KORF, F. R., PH.D., Education
KURANI, H. A., PH.D., Education
MALIK, C., PH.D., Philosophy
MELIKIAN, L. H., PH.D., Psychology
MIRHIJ, J. I., PH.D., Biology
NAJM, S. C., PH.D., Arabic
NASR, S. H., PH.D., Islamic Studies
NASSAR, S. C., PH.D., Physics
PROTHRO, E. T., PH.D., Psychology
RAVEN, T., DR.SC., Geology
SARKIS, A. J., PH.D., Chemistry
SAYEGH, Y., PH.D., Economics
SCAIFE, C. H. O., M.A., English
SEWELL, W. A., B.A., B.LITT., English Literature and General Education
THURSTON, B., TH.D., Religion
WELLAND, M. W. M., B.A., English
YAZIJI, K. K., PH.D., Arabic
ZEINE, Z. N., PH.D., History
ZIADEH, N. A., PH.D., Arab History
ZURAYK, C. K., PH.D., Arab History

Faculty of Medical Sciences:
BADEER, H. S., M.D., Physiology
BICKERS, W. M., M.D., Obstetrics and Gynæcology
CHAGLASSIAN, H., M.D., Dermatology and Syphilology
DIAB, A. E., M.D., Ophthalmology and Otolaryngology
FAWAZ, G. A., PH.D., Pharmacology
GARABEDIAN, G. A., M.S., PH.D., Bacteriology and Virology
GHANTUS, M. K., M.D., Anatomy
JIDEJIAN, Y. D., M.D., Surgery
KAN'AN, M. A., M.D., Clinical Pharmacology
KIRKWOOD, S. B., M.D., Maternal Health
LIGHTWOOD, R., M.D., F.R.C.P., M.P.M., Pediatrics
MANOUGIAN, A. S., M.D., Psychiatry
McDONALD, J. J., M.D., M.S., D.M.S., Surgery
McLAREN, D. S., M.B., CH.B., M.D., Clinical Nutrition
MORTON, A., M.D.C.M., Radiology
NACHMAN, H. S., M.D., Pediatrics
REINHOLD, J. G., M.S., PH.D., Biochemistry
SABRA, F. A., M.D., Neurology
SAHYUN, P. F., M.D., Pathology
SCHWABE, C. W., D.V.M., SC.D., Parasitology
SHAHID, M. J., M.D., Internal Medicine
SHWAYRI, E. I., M.D., Internal Medicine
STEPHEN, L. E., D.V.M., Protozoology
TABBARA, R. A., M.D., Internal Medicine
THORSON, R. E., M.S., Tropical Health
WILSON, J. L., M.D., Surgery

School of Pharmacy:
ABOU-CHAAR, C., PH.D., Pharmacognosy
HADDAD, A. F., M.S., Pharmacy
KAN'AN, M. A., M.D., Clinical Pharmacology

School of Public Health:
KIRKWOOD, S. B., M.D., Maternal Health
STEPHEN, L. E., D.V.M., Protzooology
THORSON, R. E., B.S., M.S., Parasitology and Tropical Health

School of Engineering:
BRIDGEWOOD, T., PH.D., Electrical Engineering
GHOSN, R. S., M.SC., C.E., Architectural Engineering
HOPE, E. S., M.SC., C.E., ED.D., Civil Engineering
MANASSAH, N. E., B.SC., C.E., Civil Engineering
NASSER, J., PH.D., C.E., Structures
SLOANE, R. W., PH.D., Applied Sciences
YERAMIAN, K. K., M.A.S.C.E., M.A.S.M.E., M.A.I.E.E., Engineering

School of Agricultural Sciences:
MACKSOUD, S. W., D.E., Irrigation
McCRARY, J., ED.D., Agricultural Engineering
NICHOLS, R. A., PH.D., Plant Science
ROTTENSTEN, K. V., PH.D., Agricultural Economics
TALHOUK, A. M., DR.RER.NAT., Economic Entomology
WARD, G. H., PH.D., Agricultural Economics
WORZELLA, W. W., PH.D., Agronomy

ARAB UNIVERSITY OF BEIRUT

ELTAREEK ELGUIDIDA, BEIRUT

Founded 1960.

President: A. A. RACHID.

Number of students: 134.

DEANS:

Faculty of Arts: A. A. ATEEK.
Faculty of Law: A. ELRIDY.
Faculty of Commerce: A. A. BAKIR.

UNIVERSITÉ LIBANAISE
(Lebanese University)

UNESCO BUILDING, BEIRUT

Founded 1953.

Rector: F. E. BOUSTANY.
Secretary: A. ALAMEDDINE.

Number of teachers: 150.
Number of students: 5,684.

DEANS:

Faculty of Letters: A. G. KARAM.
Faculty of Science: H. MOUCHARRAFIEH.
Faculty of Law: W. KASSAR.

UNIVERSITÉ SAINT JOSEPH

B.P. 293, BEIRUT

Telephone: 20535.

Founded 1881.

Rector: Rev. A. DAGHER, S.J.
Secretary-General: F. TRAK.

Number of students: 1,992.

Publications: *Mélanges de l'Université Saint Joseph, Mémoires annuels* (f. 1905), *Travaux et Jours* (quarterly, No. 1 April 1961).

FACULTY OF THEOLOGY

Founded 1846 as a theological seminary, and established in 1881 as a university with the right to grant degrees.

Chancellor: Rev. P. ARRUPE, S.J.
Vice-Chancellor: Rev. S. KURI, S.J.
Rector: Rev. A. DAGHER, S.J.
Prefect of Studies: E. MOUROCADE.
Director of Oriental Library: Rev. F. HOURS, S.J.

PROFESSORS:

ADEM, J., Biblical Studies
ANGÉNIEUX, J., Theology
DUPRÉ LA TOUR, A., Theology
FINNEGAN, J. M., S.J., Scholastic Philosophy and History of Ancient Philosophy
GAITH, J., History of Modern Philosophy
GEMAYEL, P., Liturgy
GONTHIER, E., S.J., Moral Theology
HITTI, J., Canon Law
KHALIFÉ, I. A., S.J., Dogma
LANVERSIN, F. DE, Dogma
MOURACADÉ, E., Dogmatic Theology
MOUTERDE, P., Greek, Hebrew and Coptic Languages
NWYIA, P., S.J., Philosophy and Islamic Studies
ROSTAN D'ANCEZUNE, H., Theology
SARGI, B., History of Modern Philosophy
SZABO, L., Biblical Studies
TAYAH, W., Ecclesiastical History

FRENCH FACULTY OF MEDICINE AND PHARMACY

Founded 1883.

Chancellor: Rev. P. MADET, S.J.
Vice-Chancellor: M. VÉRILLON, S.J.
Secretary: F. KHALIL.

Publications: *La Revue Médicale du Moyen Orient* (quarterly), *La Faculté* (monthly).

PROFESSORS:

BADARO, H., Anatomy, Surgical Propædeutics
BOUEZ, A., Dental Surgery
CIAUDO, D., Clinical Surgery
COSMIDIS, F., Dental Anatomy
DUMAS, L., Physics, Mathematics, Deontology
DUPRÉ LA TOUR, F., Medical Biophysics
EL-KHAZEN, P., Medical Pathology
FILLION, H., Organic Chemistry
FLAMET, J., Histology and Embryology
GARNIER, M., Galenic Pharmacy, Toxicology, Pharmaceutical Legislation
GRENIER DE CARDENAL, Dr. L. J., Bacteriology and Parasitology
HINDEMEYER, J., Physical Medicine
HONAIN, A., Therapeutics
JOHANNY, R., Dermatology, Syphilology
KHALYL, N., Biological Chemistry
KONYALIAN, Y., Dental Prosthesis
LYS, P., Biology
MADET, P., Biology, Parasitology
MAJDALANI, E., Pediatrics
MAKHLOUF, A., Surgical Pathology
MELKI, L., Hygiene and Preventive Medicine
MÉRAB, A., Medical Pathology
PONTHUS, P., Radiology and Physiotherapy
STEPHAN, E., Internal and General Pathology
THOMAS, P., Ophthalmology and Oto-Rhino-Laryngology

FACULTY OF LAW AND ECONOMICS

Founded 1913.

Chancellor: Rev. P. MAZAS, S.J.
Secretary: A. ABDELNOUR.
Librarian: Rev. R. DE VILETTE, S.J.

Publication: *Annales de l'Ecole Française de Droit de Beyrouth.*

PROFESSORS:

BIAYS, P., International Organisations and History of Public Law
BOISSELIER, X., Political Economy
BOURGUINAT, H., Economics
CHAMAS, S., Constitutional Law
DEBBANE, F., Economics and Financial Legislation
DECOCQ, A., General Penal Law and Criminology
DUCRUET, J., S.J., Economic Systems and Structures
GANNAGE, E., Economics
MAZAS, P., S.J., Social Law
MOUSSERON, J. M., Civil Law
PEUCH, J., Constitutional Law
TEILHAC, E., Political Economy, Economic History
TYAN, E., International Private Law

HIGHER SCHOOL OF ENGINEERING

Founded 1913.

Chancellor: Rev. H. KETTERER, S.J.
Vice-Chancellor: J. GROIZELIER.
Director: F. FOURÉ.
Secretary: J. BITAR.
Librarian: E. ABDELJALIL.

PROFESSORS:

BOCYUILLON, Hydraulics
FOURÉ, F., Heating
HARTMANN, P., Chemistry
KETTERER, H., Mathematics, Physical Engineering
LALANGUE, P., Electrical Engineering, Lighting Engineering
LANGHADE, E., Mechanical Engineering
NAGGEAR, J., Civil Engineering
WELTEN, W., Physics

ORIENTAL INSTITUTE

Founded 1933.

(Formerly the Oriental Faculty).

Director: Rev. M. ALLARD, S.J.
Secretary: F. TRAK.

Publications: Collection *Recherches, Recueil de Mémoires.*

PROFESSORS:

ABD-EL-NOUR, J., Arabic Literature
ABOU, S., Sociology of the Near and Middle East
ALLARD, M., Islamology
AUCAGNE, J., Arab Philosophy
BOUSTANY, F., History of Arabic Literature and Civilisation
BOUSTANY, S., Oriental Studies
D'ALVERNY, A., Propædeutics
FLEISCH, H., Semitic Philology
GEORR, K., History of Arab Philosophy
KABALAN, H., Sociology, Islamic Institutions
MOURAD, J., Eastern Sociology
NADER, A., Islamology
TALLON, M., Ancient History of Armenia, Greek-Roman History and Archæology of Syria

KSARA OBSERVATORY

Director and Astronomer: Rev. J. PLASSARD, S.J.
Seismology: Rev. B. KOGOY, S.J.
Magnetism and Electricity: Rev. J. DELPEUT, S.J.
Meteorology: Rev. J. REY, S.J.

Publications: *Bulletin Climatologique du Service Météorologique, Bulletin Séismologique Provisoire* (monthly), *Annales-Mémoires, Annales Seismologiques, Annales Climatologiques* (annually), and various other irregular publications.

COLLEGES

ACADÉMIE LIBANAISE DES BEAUX ARTS

(Lebanese Academy of Fine Arts)

RUE LAZARYEH, BEIRUT

Founded 1937.

Director: M. LE LANNOU.
Secretary-General: P. SANLAVILLE.

DIRECTORS:

School of Letters: J. MAROUN.
School of Architecture: J. NAGGEAR.
School of Music (including Dramatic Art): N. DALE.
School of Painting: C. GÉMAYEL.
School of Political Sciences: (Vacant).
School of Law: (Vacant).

BEIRUT COLLEGE FOR WOMEN

P.O. BOX 4080, BEIRUT

Telephone: 252,590.
Telegraphic Address: Becoge, Lebanon.

Founded 1924.

President: FRANCES M. GRAY, M.A., M.S., M.R.E., LL.D.
Registrar: MARIE SABRI.

Offers B.A. and B.S. degrees in the following: Arabic-Education, English, Home Economics, History, Politics, Fine Arts, Religion-Philosophy, Science, Mathematics, Psychology, Sociology-Pre-social Work.

CENTRE D'ETUDES ET DE RECHERCHES MATHÉMATIQUES ET PHYSIQUES

RUE DE DAMAS, B.P. 3855, BEIRUT

Founded 1945.

Director: M. CHEVRIER.

Number of students: 250.

CENTRE REGIONAL DE FORMATION DES CADRES SUPÉRIEURS DE L'ENSEIGNEMENT DANS LES ETATS ARABES

BIR HASSAN, B.P. 5244, BEIRUT

Telephone: 271,145/7.
Telegraphic Address: Ascatep, Lebanon.

Founded 1961.

Director: A. A. EL-KOUSSY.
Assistant Director: R. HABACHE.
Administrator: A. R. HAFFAR.

Offers advanced training of senior educational personnel in educational planning and administration in the Arab countries.

Publications: *Revue de la Planification de l'Education dans les Pays Arabes* (quarterly), *Panoramas de l'Education dans les Pays-Arabes,* Catalogues, Bibliographies, etc.

ECOLE SUPÉRIEURE DES LETTRES DE BEYROUTH

B.P. 1931, BEIRUT

Founded 1944.

Director: J. METTRA.
Secretary-General: E. WAKIM.

Number of teachers: 40, including 6 professors.

Number of students: 580.

INSTITUT DE GÉOGRAPHIE DU PROCHE ET MOYEN ORIENT

AVENUE DE DAMAS, B.P. 2691, BEIRUT

Founded 1946.

Director: M. LE LANNOU.
Assistant Director: P. SANLAVILLE.

INTERNATIONAL COLLEGE

BEIRUT

President: T. C. SCHULLER, M.A.

Pre-university studies. Prepares for Baccalaureate examinations.

LIBERIA

Population 2,500,000

RESEARCH INSTITUTE

The Liberian Institute of the American Foundation of Tropical Medicine, Inc.: Robertsfield; f. 1952; research into the tropical diseases of man; the diseases of domestic animals which can be a source of food in tropical countries; and the improvement and development of crops which can be grown in the tropics as food for man and domestic animals.

LIBRARIES

College of West Africa Library: Ashmun Street, Monrovia.

Government Public Library: Ashmun Street, Monrovia.

Liberian Information Service Library: Monrovia; reference.

United States Information Library: Broad Street, Monrovia; operated jointly by the Liberian Government and the United States Government.

UNESCO Mission Library: Monrovia.

University of Liberia Library: University of Liberia, Monrovia; 30,000 volumes.

UNIVERSITY AND COLLEGES

UNIVERSITY OF LIBERIA

MONROVIA

Telephone: 589 and 590

Founded as Liberia College 1862; University 1951

By the amended Charter of 1961 the University incorporates the following colleges: Liberia College, The Louis Arthur Grimes School of Law, The William V. S. Tubman Teachers' College, The Thomas J. R. Faulkner College of Engineering, The College of Business Administration, The College of Forestry, The College of Agriculture, The College of Medicine.

President: Dr. ROCHEFORTE L. WEEKS.
Dean of Administration: Dr. ADVERTUS A. HOFF.
Registrar: Mr. JAMES J. COOPER.
Librarian: Mrs. IZETTA ROBERTS COOPER.

The Library contains approx. 15,000 vols.
Number of teachers: 85.
Number of students: 575.
Publications: *The University of Liberia Catalogue and Announcements, The University of Liberia Journal, This Week on Campus, A Short History of Liberia College and the University of Liberia, University of Liberia Register of Graduates.*

HEADS OF DEGREE SCHOOLS:

Dean of the Teachers' College: Mrs. MARY A. BROWN.
Dean of the College of Liberal and Fine Arts: Mrs. FATIMA MASSAQUOI FAHNBULLEH.
Dean of the College of Law: Counsellor JOSEPH W. GARBER.
Chairman of Science Division, College of Liberal and Fine Arts: Prof. PERCIVAL W. GIDEON.

HEADS OF NON-DEGREE SCHOOLS:

Principal of Laboratory High School: Mrs. LAURA NORMAN.
Director of the School of Business Administration: Mrs. EUGENIA SIMPSON COOPER.

PROFESSORS;

BROWN, MARY ANTOINETTE (Education).
BURGH, JOHN H. (Forest Utilisation).
DEMPSTER, ROLAND (Literature).
EDWARDS, VIVIAN (English).
GADISH, I., (Engineering).
GARBER, JOSEPH W. (Law).
GIDEON, PERCIVAL W. (Biology).
HOFF, ADVERTUS A. (Educational Administration).
JAENICKE, INGEBORG (Sociology).
JOSHUA, J. P. (Biology).
MA, PAUL C. (Agriculture).
MASSAQUOI-FAHNBULLEH, FATIMA (Social Science and Romance Languages).
MITCHELL, S. WEDE (English).
WIERCIMOK, JOACHIM (German).

BOOKER WASHINGTON AGRICULTURAL AND INDUSTRIAL INSTITUTE

KAKATA

Owned and operated by the Government of Liberia through the Department of Education, R.L.
Principal: M. KRONYANH WEEFUR.

CUTTINGTON COLLEGE AND DIVINITY SCHOOL

SUACOCO, BONG COUNTY

Founded 1889 (closed 1929 and re-opened 1949

Cuttington College is maintained by the Protestant Episcopal Church of America, in co-operation with the Methodist Board of Foreign Missions and the United Lutheran Church. There are Faculties of Theology, Natural Sciences, Education and Liberal Arts. The College awards, B.S., B.A., and B.D. degrees. It maintains a working relationship with the United States Associated Colleges of the Midwest.

President: CHRISTIAN E. BAKER, B.S.A., B.S., D.V.M.
Registrar: EDITH A. KYLE, A.B.
Librarian: D. B. HANSEN, M.A.

The Library contains approx. 43,000 vols., 200 periodicals.
Number of teachers: 33.
Number of students: 200.
Publications: *Cuttington Review, Echoes of Cuttington, Cuttington College, and Divinity School Catalogue.*

DEANS:

Dean of Instruction: MELVIN J. MASON, B.A., M.A.
Dean of Men: H. S. COLLINS, PH.D.
Dean of Women: Mrs. IDA R. STEVENS, B.S.

HEADS OF DEPARTMENTS:

Education: C. R. TEMPLIN, A.B., A.M.
Humanities: J. H. GAY, B.E.P., B.D., M.A., PH.D.
Social Science: D. E. ROSS, A.B., A.M., PH.D.
Theology: Dean HOLT, B.A., B.D.
Science: EDWARD J. ENGLERTH, B.S., M.S.

MARYLAND COLLEGE OF OUR LADY OF FATIMA

MARYLAND AVENUE, HARPER, CAPE PALMAS

Founded 1953

President: Rev. GEORGE LANDRY.
Awards of B.Sc. degrees in Education.

LIBYA

Population 1,569,339

LEARNED SOCIETIES

British Council: 16 Zawiat ad-Dahmani, Tripoli (P.O.B. 643); Rep. Dr. A. Craig-Bennett, O.B.E.; office at Benghazi: P.O.B. 368; Dir. D. L. Lister, M.B.E.

Centre Culturel Français: Shar'a Caracci, Tripoli; f. 1955; Dir. J. Felychou.

Goethe-Institut: P.O. Box 225, 14 via Toselli, Garden City, Tripoli; f. 1962; 2,000 vols. in library.

Istituto Italiano di Cultura: 144 Shar'a al-Baladia, Tripoli; Dir. Dott. Rina Vergara Caffarelli.

Libyan Intellectual Society (*Jam'at al Fikr*): 136 Shar'a al-Baladia, Tripoli.

U.S. Information Center: American Center, Shar'a al-Baladia, Tripoli; library, reading room; Country Public Affairs Officer William Hutchinson; also at Benghazi, Beida and Sebha.

LIBRARIES

American Cultural Center Libraries:

Tripoli: f. 1951; 8,000 vols.; Librarian Mrs. Patricia Jazairi.

Benghazi: f. 1951; 2,500 vols.; Librarian Mustafa Al-'Alam.

Sebha: f. 1961; 1,750 vols.; Librarian Abdullah Rashid.

El Beida: f. 1963; 3,000 vols.; Librarian Ali Abdussalam.

Archives: Castello, Tripoli; Dir. Bahgiat Quramanli.

British Council Library: 16 Zawiat ad-Dahmani, P.O. Box 643, Tripoli; f. 1951; 5,000 vols.; Librarian Ann Ball.

Government Library: 14 Shar'a al-Jazair, Tripoli; f. 1917; 35,500 vols.; Librarian Bashir Al-Badri.

Islamic University Sayid Muhammad Ali Sanusi Library: Beida; f. 1960; formerly at Jaghbub; 16,000 vols. including the famous Jaghbub MSS.; Dir. Shaikh Abdulhamid Dibani.

Istituto Italiano di Cultura Library: 144 Shar'a al-Baladia, Tripoli; f. 1953; 7,800 vols.

Ministry of Endowments (Al Awqaf): Maidan ash-Shuhadat, Tripoli; f. 1870; 4,000 vols.; Librarian Ahmad Ghanaba.

Ministry of Information and Guidance Libraries:

Tripoli: f. 1961; 7,000 vols.; Librarian 'Umar Muhammad Farjani.

Benghazi: f. 1963; 4,100 vols.; Librarian 'Abdullatif Al-Fituri.

Public Library: Shar'a 'Umar al-Mukhtar, Benghazi; f. 1955; 11,000 vols.; Librarian Ahmad Gallal.

Supreme Court Library: Shar'a ash-Shatt, Tripoli; f. 1953; 1,700 vols.; Librarian Hasan Wali.

U.A.R. Cultural Centre Library: 310 Shar'a 'Umar al-Mukhtar, Tripoli; f. 1955; 26,000 vols.; Librarian Muhammad Abdulmagham Di'ab.

MUSEUMS

Department of Antiquities: Castello, Tripoli. Responsible for all museums in the former Tripolitania.

Archæological Museum: Castello, Tripoli; Dir. Prof. Antonino Di Vita.

Leptis Magna Museum of Antiquities: Homs; Dir. Dr. Verga Caffarelli.

Natural History Museum: Castello, Tripoli; Dir. Prof. Tiizano Provasi.

Sabratha Museum of Antiquities: Sabratha; Dir. Prof. A. Di Vita.

Department of Antiquities, Eastern Region: Cyrene; responsible for archæological sites throughout the former Cyrenaica, including Ptolemais (Tulmaytha), Appolonia (Susa) and the mosaics at Qasr Libia; Dir. R. G. Goodchild.

Department of Antiquities, Fezzan: Sebha; a museum exhibits the important finds from Jerma (Jarma) and the Ubari-Ghat track; Dir. Dr. Ayub.

UNIVERSITY

UNIVERSITY OF LIBYA

BENGHAZI

Founded 1956

Rector: Dr. Mustafa Baiu.

Faculty of Arts: Qasri El Manar Palace, Benghazi; f. 1956.
Dean: (Vacant).
Number of teachers: 34.
Number of students: 325.

Faculty of Commerce and Economics: Benghazi; f. 1957.
Dean: Dr. Al-Arabi.
Number of teachers: 14.
Number of students: 151.

Faculty of Law: f. 1963.
Dean: (vacant).
Number of teachers: 7.
Number of students: 67.

Tripoli

Faculty of Science: f. 1957.
Dean: Dr. Lamin Al-Hafi.
Number of teachers: 30.
Number of students: 186.

In the statement in Parliament by the Prime Minister, introducing the Five-Year Plan, 1963–68, it is planned to merge the College of Advanced Technology, Tripoli (*see* below) with the Faculty of Science as a new College of Engineering. A College of Agriculture and an Advanced Teachers' Training College are also projected.

SCHOOLS AND COLLEGES

Agricultural Training Centres: Sidi Mesri, Tripolitania; under Libyan-American Joint Services; Principal Mr. Davies; there is a similar centre in Cyrenaica.

Arts and Crafts School: Shar'a 24 December, Tripoli; Principal Mr. Salim Zegallai.

College of Advanced Technology: P.O. Box 1098, Tripoli; f. 1961; financed by the UNESCO Special Fund and the Libyan Government; to provide 5-year degree courses in mechanical, civil and electrical engineering and in food technology; Dir. Dr. Mahmud Farhat.

Islamic University Sayid Muhammad Ali Sanusi: El Beida; the training of Koranic teachers and advanced study of the Koran; Dir. of Studies Shaikh Mah Dibani; other Islamic training centres exist in Tripoli, Misurata and Zawia; Benghazi and Jaghbub, and Sebha.

Radio and Telecommunications Institute: Bab bin Ghashir, Tripoli; f. 1963; library of 400 vols.; Principal G. S. Thomas.

Technical and Clerical Training Centre: Tripoli; f. 1954; Principal J. Stephens.

Women's Teachers' Training College: Shar'a an-Nasr, Tripoli; f. 1954; 48 teachers, 605 students; Principal Rabab Adham.

LUXEMBOURG

Population 327,500

LEARNED SOCIETIES

Institut Grand-Ducal: includes five sections: (*a*) Historical (Pres. M. NIC. MARGUE; Sec. P. SPANG), (*b*) Medical (Pres. P. FELTEN, Sec. J. NEUEN), (*c*) Scientific (Pres. R. STUMPER; Sec. H. THILL), (*d*) Linguistic and Folklore (Pres. J. HESS; Sec. E. LUDOVICY), (*e*) Arts and Literature (Pres. J. P. ERPELDING; Sec. N. WEBER.).

Commission d'Instruction: rue du Saint Esprit, Luxembourg; special collections: psychology, pedagogy; 400 vols. in library; Pres. Prof. ALBERT NOTHUMB.

Société des Naturalistes Luxembourgeois: Luxembourg; f. 1872; 450 mems.; Pres. LEOPOLD REICHLING; Vice-Pres. EUG. BECK, ROB. STUMPER; Hon. Pres. GUST. FABER, MARCEL HEUERTZ, FR. L. LEFORT; publ. *Bulletin* (annual).

LIBRARIES AND ARCHIVES

Archives de l'Etat: 4 Boulevard Roosevelt, Luxembourg; Dir. PAUL SPANG; Archivist ANTOINE MAY.

Bibliothèque de la Ville: Esch-sur-Alzette; f. 1901; French, English, Italian and German literature and popular science books; 35,000 vols.; special collection of Luxemburgensia; 57 publs.; 5,170 mems.; Record Library; Librarian J. P. KINSCH.

Bibliothèque du Gouvernement: 9 rue Notre Dame, Luxembourg; Dir. JOSEPH GOEDERT.

Bibliothèque Nationale: 14A Boulevard Royal, Luxembourg; f. 1798, re-organised 1897, 1945 and 1958; 520,000 vols., 269 MSS., 464 incunabula; special collection of 30,000 Luxemburgensia; Dir. Prof. Dr. JOSEPH GOEDERT; Librarians CARLO HURY, ANDRÉ BLASEN; publs. *Bibliographie Luxembourgeoise* (annual); special bibliographies.

MUSEUM

Musées de l'Etat (*State Museums*): Marché aux Poissons, Luxembourg; Dir. Prof. MARCEL HEUERTZ.

UNIVERSITY

UNIVERSITÉ INTERNATIONALE DE SCIENCES COMPARÉES

(International University of Comparative Sciences)

13 RUE DU ROST, LUXEMBOURG
Telephone: 414. 61/2.

Founded 1958

President: JOSEPH LEYDENBACH.
Director: ARNOULD NIMAX.
Librarian: ROGER REHLINGER.

Number of teachers; 120 (all temporary).
Number of students: 200.

DEANS:

Faculty of Comparative Law: K. H. NEUMAYER.
Faculty of Comparative Economics: LÉON DUPRIEZ.

International Centre of European Studies and Research: Dir. R. BAEYENS.

PROFESSIONAL AND TECHNICAL COLLEGES

Ecole Agricole: Avenue Salentiny, Ettelbruck; f. 1883; number of teachers 9; number of students 140.
Director: J.-P. LANNERS.

Institut d'Enseignement Technique: rue Guillaume Schneider 19, Luxembourg; f. 1958, formerly Ecole d'Artisans, de l'Etat; f. 1896.
Consists of:

Ecole des Arts et Métiers:
Classes in electronics, mechanics, building (four year course), joinery, sculpture, painting (three year course), fine arts and decorative arts (two year course).
Director: CAMILLE LEBEAU.
Secretary: ROBERT MARTIN.
Number of teachers: 60.
Number of students: 453.

Ecole Technique:
Classes in building, mechanical and electrical trades.
Director: GERMAIN STEICHEN.
Secretary: JULES CHARPANTIER.
Number of teachers: 24.
Number of students: 290.

Ecole Professionnelle de l'Etat: Place Victor Hugo, Esch-sur-Alzette; f. 1914; number of teachers 54; number of students 1,200.
Director: PAUL SCHLEIMER.

Ecole Professionnelle et Ménagere: 101 rue de Luxembourg, Esch-sur-Alzette. Dir. M. MARIA-HILF.

Ecole Supérieure du Travail: Ministère du Travail, 55 Boulevard de la Pétrusse, Luxembourg.
President: Prof. J. P. WINTER.
Director: G. GLAESENER.
Secretary: R. BERG.

Collège Médical: 22 rue Zithe, Luxembourg.
President: Dr. ALOLPHE FABER.

Laboratoire de Bactériologie (*Section of Medicine and Section of Chemistry*): 42 rue du Laboratoire, Luxembourg.
Director: Dr. FERNAND SCHWACHTGEN.

Conservatoire de Musique de la Ville de Luxembourg: 14–16 rue du Saint Esprit, Luxembourg; f. 1906.
Director: J. HAMER.
Secretary: EUGÈNE LAMESCH.

Number of teaching staff: 28 professors.

Ecole Municipale de Musique: rue de l'Eglise 10, Esch-sur-Alzette; f. 1926.
Principal: G. REIMEN.
Secretary: FRANCIS SOUMER.

Number of teaching staff: 17.
Number of students: 600.

MADAGASCAR

Population 6,016,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Académie Malgache: Tananarive; studies in human and natural sciences; monthly meetings; Pres. Dr. P. Radaody Ralarosy.

Alliance Française: Tananarive.

Fondation Nationale de l'Enseignement Supérieur: 17 rue Dr. Villette, Tananarive; co-ordinates all higher education.

Institut de Recherches Scientifiques de la République Malgache: Tsimbazaza, Tananarive; conducts research in soil science, hydrology, oceanography, geography, ecology, botany, ethnography and anthropology; Asst. Dir. Jacques Aimé.

Institut de Recherches Agrononomiques de la République Malgache: Tananarive; numerous stations, particularly at L'Ilaka (coffee) and Lake Alaotra (rice and vegetables).

Institut Pasteur: Tananarive.

Institut d' Hygiene Sociale: Tananarive.

Région de Recherches Vétérinaires et Zootechniques de Madagascar:
Laboratoire Central de l'Elevage.
Centre de Recherches Zootechniques: Kianjasoa.
Centre de Recherches Zootechniques: Miadana.

LIBRARIES

Bibliothèque Municipale: Antsirabé; Librarian Jeanne Rabodomalala.

Bibliothèque Nationale: Antaniarenina, Tananarive; public library.

Bibliothèque Universitaire: P.B. 908, Tananarive; *c.* 45,000 vols.; Dir. Mlle. de Nucé.

U.S. Information Center Library: Tananarive.

MUSEUM

Musée Historique: Palais de la Reine, Tananarive.

UNIVERSITY

UNIVERSITÉ DE MADAGASCAR

18 RUE DU DOCTEUR VILLETTE
B.P. 566, TANANARIVE
Telephone: 40-47, 48, 49
Founded 1961

Rector: R. Roblot (Faculty of Law, Nancy).
Number of teachers: 108.
Number of students: 2,264.

Faculté de Droit et des Sciences Economiques: Campus Universitaire, Mbohitsania, Tananarive.
Dean: Prof. Sédamon.
Number ot teachers: 25.
Number of students: 1,019.

Faculté des Sciences et des Techniques: Ampasampito, Tananarive.
Dean: Prof. Vassails.
Number of teachers: 37.
Number of students: 479.

Faculté des Lettres et Sciences Humaines: Campus Universitaire, Ambohitsaina, Tananarive.
Dean: Prof. Gontard.
Number of teachers: 33.
Number of students: 451.

Ecole Nationale de Médecine et Pharmacie: Campus Universitaire, Ambohitsaina, Tananarive.

Ecole Nationale de Promotion Sociale: route du Fort Voyron, Befelatanana, Tananarive.
Director: Prof. Granger.

Ecole Nationale des Travaux Publics: Campus Universitaire, Ambohitsaina, Tananarive.
Director: Prof. Brenon.

Ecole Nationale Superieure Agronomique: Route du Fort-Duchesne Ampandrainomby, Tananarive.
Director: (Vacant).

Institut d'Etudes Judiciaires: Route du Fort-Voyron, Befelatanana, Tananarive.
Director: Prof. Pedamon.

Centre d'Administration des Entreprises: Campus Universitaire, Ambohitsaina, Tananarive.
Director: Prof. Hosmalin.

Instituts de Preparation aux Enseignements du Second Degré:
Sciences: *Director:* Prof. Reiss.
Lettres: *Director:* (Vacant).

Radio-Université: 17 rue Bergé, Tananarive.
Director: Prof. Roblot.

Station Marine de Tuléar: B.P. 141 Tuléar.
Director: (Vacant).

COLLEGES

Ecole Nationale des Sciences Appliquées à l'Agriculture: Tananarive; f. 1961.

College Rural d'Ambatobe: B.P. 1,629, Tananarive; Dir. M. Roger Rajoelisolo.

MALAWI

(formerly Nyasaland)

Population 3,500,000

LEARNED SOCIETY AND RESEARCH INSTITUTES

British Council, The: Lalji Kurji Building, Sharrers Road, P.O. Box 456, Blantyre; Rep. R. P. K. HARRISON, M.B.E.

Geological Survey of Malawi: P.O. Box 27, Liwonde Road, Zomba; f. 1918; geological mapping and survey; publs. *Bulletins, Reports, Memoirs.*

Ministry of Natural Resources, Malawi: P.O. Box 34, Zomba; controls the following stations:

- **Grain Legume Pathology Unit of the Agricultural Research Council of Central Africa:** f. 1964.
- **Chitedze Agricultural Research Station:** P.O. Box 158, Lilongwe; f. 1948; in 1956 the station became a centre for agricultural and veterinary training, as well as for research, providing accommodation for 100 African students.
- **Bvumbve Tung and Agricultural Experimental Station:** work on coffee, tung, fruit and mixed farming crops.
- **Fisheries Research Station:** Box 27, Monkey Bay; f. 1950.
- **Forest Research Station:** Private Bag 6, Dedza.
- **Makanga Experimental Station:** work on cotton, sugar and cocoa crops, and irrigation problems in the Shire Valley development area.

National Archives of Malawi: P.O. Box 62, Zomba; f. 1947, as branch of Central African Archives; became National Archives of Malawi 1964; Public Archives, records, historical manuscripts, national library (legal deposit library for all material published in Malawi), and maps; Archivist and National Librarian J. D. C. DREW, M.A.

LIBRARIES

British Council Library, The: P.O. Box 456, Blantyre; 1,600 vols.; Librarian H. T. S. ZIDYANI; Zomba Branch, 2,500 vols.; Librarian W. E. NAWANGA; Lilongwe Branch, 2,500 vols.; Librarian I. M. GOMILE.

Church of Central Africa Library: Blantyre.

College of Commerce Library: Blantyre-Limbe.

Soche Hill College Library: Limbe; 200 mems.; 20,000 vols.; Librarian K. RAWLINGS.

U.S. Information Service Library: Blantyre.

MUSEUM

Museum of Malawi, The: P.O. Box 512, Blantyre; f. 1964; Curator T. N. SEENO.

UNIVERSITY

UNIVERSITY OF MALAWI

BLANTYRE

P.O. Box 200, Limbe, Malawi.
founded 1965.

Chancellor: Dr. H. KAMUZU BANDA.
Vice-Chancellor: Dr. IAN MICHAEL.
Registrar: I. C. H. FREEMAN.
Dean: J. E. G. UTTING.

Number of teachers: 20.
Number of students: 115.

PROFESSORS:

AGNEW, Lady, Geography
BINNS, BLODWEN, Botany
HARRIS, R. G., English
KALK, MARGARET, Zoology
LEISTER, J. A., Chemistry
UTTING, J. E. G., Economics
WHITMORE, Physics

COLLEGES

College of Commerce: Blantyre-Limbe; to be absorbed into the new Polytechnic when it is built.

Soche Hill College: P.O. Box 496, Limbe; f. 1962; three-year courses in teacher training; Number of students: 116. *Principal:* Sir MARTIN ROSEVEARE.

FEDERATION OF MALAYSIA

Population 9,115,000

MALAYA SABAH (NORTH BORNEO) SARAWAK

MALAYA

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: 166-A Jalan Imbi, Kuala Lumpur; French cultural association and school of French language.

The Arts Council of Malaysia: P.O. Box 630, Kuala Lumpur; Pres. DATO NIK AHMAD KAMIL; Chair. KINGTON LOO; Sec. G. CHANDY.

British Council, The: Jalan Bluff, Kuala Lumpur; and Library Building, Farquhar Street, Penang; Rep. for Malaya H. R. MILLS, O.B.E.

Division of Agriculture: Ministry of Agriculture and Co-operatives, Kuala Lumpur; f. 1906; undertakes all aspects of research for improvement of agricultural crops and disseminates information among the farming community. Contains a library of 57,000 vols.; number of senior scientific staff 46; Dir. MOHAMAD BIN JAMIL (acting); publ. *Malayan Agricultural Journal, Bulletins, Leaflets in Vernacular and English, Majallah Pertanian.*

Forest Research Institute: Kepong, Selangor; consists of 500 acres of experimental plantations, an arboretum of over 250 different species, a small coniferetum, a nursery, a museum, a herbarium of nearly 60,000 sheets of tree species, a large bark collection, a wood collection of over 7,000 specimens, and a library of 4,500 vols.; branches in Silviculture, Forest Mensuration, Forest Botany and Ecology, Timber Research, Entomology, Chemistry and Wood Identification; the Timber Research Laboratory deals with timber mechanics, seasoning, preservative, plywood and glue, and wood-working; the Chemistyr Laboratory deals with pulp and paper investigations of Malayan cellulose materials; Chief Research Officer G. G. K. SETTEN.

Attached to the Institute is a Forest School training 60 Malay forest subordinates each year: courses in timber identification held annually.

Geological Survey of Malaya: Scrivenor Road, Ipoh, Perak; f. 1903; 160 mems.; basic geological information on Malaya with special emphasis on mineral resources; library of 15,000 vols.; Dir. Dr. J. B. ALEXANDER, C.B.E., PH.D., M.SC., A.R.S.M., F.G.S.,; publs. *Map Bulletins, Economic Bulletins, Disrtict Memoirs.*

Goethe Institut (*German Cultural Institute*): 386 Circular Road, P.O.B. 178, Kuala Lumpur; f. 1958.

Institute for Medical Research: Pahang Road, Kuala Lumpur; f. 1900.

Director: A. A. SANDOSHAM, M.D., PH.D., L.M.S.
Librarian: CHAN SOW CHOON.

DIVISION OF BACTERIOLOGY

Senior Bacteriologist: R. BHAGWAN SINGH, M.B., B.S., D.T.M., PH.D.
Medical Officers: J. T. PONNAMPALAM, M.B., CH.B., B.A.O., L.R.C.P.S., L.R.F.P.S.
Consultant Bacteriologist: H. B. MAITLAND, M.D., M.SC., M.R.C.S., L.R.C.P.

DIVISION OF BIOCHEMISTRY

Senior Biochemist: G. F. DE WITT, B.SC., PH.D.
Biochemists: J. E. BUTTERY, B.SC., FARIDAH BTE ABDULLAH, B.SC., GOOI CHEK MENG, B.SC.

DIVISION OF ENTOMOLOGY

Entomologist: CHEONG WENG HOOI, B.SC., M.I.BIOL., D.A.P. & E., M.SC.

DIVISION OF MALARIA AND FILARIASIS RESEARCH

Senior Malaria and Filariarsis Research Officer: A. A. SANDOSHAM, M.D., PH.D., L.M.S.
Malaria Research Officer: H. J. FREDERICKS, L.M.S., D.T.M. & H., D.C.H.

DIVISION OF NUTRITION

Senior Nutrition Officer: DATIN F. A. THOMSON, M.R.C.S., L.R.C.P.
Biochemist: CHONG YOON HIN, B.SC. (MEL.), B.SC., (ADELAIDE), PH.D.
Nutrition Officer: LIM KWONG HENG, B.SC.

DIVISION OF HAEMATOLOGY

Haematologist: QUAN SIEW KHIN, M.B., B.S.

DIVISION OF PATHOLOGY

Senior Pathologist: UNGKU OMAR-AHMAD, M.B., B.S., DIP.PATH., PH.D.
Pathologist: H. S. AHLUWALIA, M.B., B.S., D.C.P., M.C.P.
Medical Officer: DAVID LOO SOON CHENG, M.B., B.S.
Consultant Pathologist: J. B. DUGUID, M.D., CH.B.

DIVISION OF SEROLOGY AND LYMPH STATION

Serologist: LIM TEONG WAH, M.B., B.S., DIP.BACT., M.C.P.

DIVISION OF VIRUS RESEARCH

Virus Research Officer: DORA TAN CHIN GUAN, M.B., B.S.

DIVISION OF MEDICAL ZOOLOGY

Medical Zoologist: OW YANG CHEE KONG, B.SC., M.I.BIOL.
Superintendent of Animal House: LAU KHENG KHUANG.

I.M.R. BRANCH LABORATORY, PENANG

Senior Pathologist: J. K. LUCAS, B.A., M.B., B.S., D.C.P., M.C.P.
Clinical Pathologist: B. O. MUSTAPHA, M.D., B.S., LL.D., C.B.E., B.D.L., P.J.K.

I.M.R. BRANCH LABORATORY, PERAK

Senior Pathologist: C. G. LOPEZ, M.B., B.S., D.C.P.

Malayan Historical Society: Muzium Negara, Kuala Lumpur; Pres. TUN ABDUL RAZAK.

Malayan Scientific Association: c/o Institute for Medical Research, Pahang Road, Kuala Lumpur; f. 1954; 120 members, engaged in scientific and technological work. Pres. B. C. SEKHAR; Hon. Sec. Dr. E. K. NG; Hon. Foreign Sec. G. F. J. MOIR; Hon. Treasurer FONG CHU CHAI.

Malayan Zoological Society: P.O. Box 698, Kuala Lumpur; Pres. Hon. INCHE MOHD. KHIR JOHARI.

National Archives of Malaysia: Federal Government Building, Jalan Sultan, Petaling Jaya; f. 1957; maps, photographs and reference library of 1,100 vols.; Dir. Dr. F. R. J. VERHOEVEN; Archivists LOH KENG AUN and Miss ZAKIAH HANUM; publ. *Annual Report.*

Rubber Research Institute of Malaya: P.O. Box 150, Kuala Lumpur; est. 1925; consists of laboratories and an Experimental Station of over 3,000 acres; research and advisory service on rubber production for Malaya and co-operating countries; library of 22,000 volumes; number of senior scientific staff 101.

Director: J. W. BLENCOWE, B.SC., PH.D., M.I.BID. (acting).

Chief Administrative Officer: ABDUL WAHAB BIN ABDULLAH, B.A.

Experimental Station: (*Manager*) LIM POH LOH.

HEADS OF DIVISIONS:

Botanical: P. R. WYCHERLEY, PH.D., F.L.S.

Chemical: B. C. SEKHAR, B.SC., M.S., A.R.I.C., F.I.R.I.

Estates: F. W. HUTCHISON, N.D.A., C.D.A.

Pathological: A. NEWSAM, PH.D.

Soils: K. R. MIDDLETON, M.SC., A.R.I.C.

Smallholders: J. G. SAMUEL, B.SC.(AGRIC.).

Statistics: A. FONG CHU CHAI, DIP.A., B.SC., A.I.S.

Publs. *Journal of the R.R.I.M., Planters' Bulletin, Annual Reports, Planting Manuals.*

Society of Architects: P.O. Box 855, Kuala Lumpur; f. 1949; 164 mems.; Pres. WILLIAM CHEN.

Tamil Language Society: c/o Department of Indian Studies, University of Malaya, Kuala Lumpur; f. 1957; 130 mems.; aims at the promotion and propagation of the Tamil language; Pres. G. RAJAGOPAL; Hon. Sec. K. NARAYANASAMY; publ. *Tamil Oli* (Tamil and English, annual).

U.S. Information Center: 10 Market Street, Kuala Lumpur; branches: 30 Hill Street, Singapore; 25 Beach Street, Penang; Padungan Gardens, Kuching, Sarawak.

LIBRARIES

British Council Library: P.O. Box 539, Jalan Bluff, Kuala Lumpur; f. 1948; 30,000 vols.

Carnegie Free Library: Jalan Doctor, Kota Bharu, Kelantan, Malaya; f. 1938; Librarian The Chief Education Officer, Kelantan; Hon. Treas. CHE ABDUL AZIZ BIN IDRIS; 1,936 vols.

Department of Agriculture Library: Kuala Lumpur; 57,000 vols.

Ipoh Public Library: 3 Club Road, Ipoh, Perak; f. 1951; 12,791 vols. in English, Chinese, Malay and Tamil; Librarian K. J. REEH.

Kuala Lumpur Book Club: 21 Jalan Raja, Kuala Lumpur; f. 1900; 125,000 vols., by subscription.

Library of University of Malaya: Pantai Valley, Kuala Lumpur; f. 1957; 130,000 vols., of which 100,000 are in Western languages; Librarian BEDA LIM, B.A., A.L.A. (acting).

Malacca Library (Kutub Khanan Melaka): Malacca, 12,211 vols.

Penang Library: Farquhar Street, Penang; f. 1817; 33,000 vols.; Chair. D. S. RAMANATHAN; Acting Librarian Miss B. C. LIM.

MUSEUMS

National Museum of Malaya (Muzium Negara): Damansara Road, Kuala Lumpur: A National Museum has been built on the site of the Selangor Museum which was destroyed in 1945; collections of ethnographical, archaeological and zoological materials; comprehensive reference library on Malaya and many Asian subjects; reference collections of archaeology, zoology and ethnography are also preserved in the Perak Museum, Taiping, which was built between 1886 and 1899; Dir. SHAHRUM BIN YUB, B.A., A.M.A.; publ. *Federation Museums Journal.*

Penang Museum: Farquhar St., Penang; Hon. Curator Miss A. NICOL-SMITH, M.A.

Perak Museum: Taiping, Perak; f. 1883; antiquities, Perak archives, ethnography, zoology and a library; Ag. Dir. SHAHRUM BIN YUB, B.A., A.M.A.

UNIVERSITY AND COLLEGES

UNIVERSITY OF MALAYA

PANTAI VALLEY, KUALA LUMPUR

Telephone: 54361

Telegraphic Address: Univsel

Founded 1959

Chancellor: TUNKU ABDUL RAHMAN, C.H., B.A., K.O.M.

Pro-Chancellor: Justice MOHAMED SUFFAIN BIN HASHIM, B.A., LL.B., J.M.N.

Vice-Chancellor: Prof. Dato Sir. A. OPPENHEIM, O.B.E., M.A., P.H.D., D.SC., F.R.S.ED.

Chairman of the Council: ABDUL JAMIL BIN ABDUL RAIS, P.M.N., P.J.K.

Registrar: FOO YEOW YOKE, DIP. ARTS., J.M.N.

Bursar: WONG PAK CHOY, A.M.N.

Librarian: BEDA LIM, B.A., A.L.A. (Acting).

Number of students: 2,200.

Publs.: *University of Malaya Calendar, Annual Report, University of Malaya Gazette.*

DEANS:

Faculty of Arts: Prof. ROBERT HO, M.A., DIP. ARTS.

Faculty of Science: Prof. R. L. HUANG, D.PHIL., D.SC., F.R.I.C.

Faculty of Engineering: Prof. CHIN FUNG KEE, M.SC., DIP. ARTS., A.M.I.STRUCT.E., A.M.I.C.E.I., A.M.I.C.E., M.I.E. (F.M.).

Faculty of Agriculture: Prof. D. S. MACLUSKY, PH.D.
Faculty of Medicine: Prof. T. J. DANARAJ, L.M.S., M.D., M.R.C.P., F.R.C.P.

PROFESSORS:

ALISJAHBANA, S. T. (Malay Studies).
CHIN FUNG KEE, M.SC., DIP.ARTS, A.M.I.STRUST.E., A.M.I.C.E.I. A.M.I.C.E., M.I.E. (Engineering).
DANARAJ, T. J., L.M.S., M.D., M.R.C.P., F.R.C.P. (Medicine).
ELIEZER, C. J., M.A., PH.D., D.SC. (Mathematics).
EVANS, E. C., B.A. (English).
HO PENG YOKE, M.SC., PH.D., DIP.SC., A.INST.P. (Chinese Studies).
HO, ROBERT, M.A., DIP.ARTS, R.C. (Geography).
HUANG, R. L., PH.D., D.SC., F.R.I.C. (Chemistry).
LEONG PENG CHONG, DIP.SC., PH.D., F.R.I.C. (Biochemistry).
PALLIE, WAZIR, M.B.B.S., D.PHIL., F.R.C.S. (Anatomy).
POORE, M. E. D., M.A., PH.D. (Botany).
THANI NAYAGAM, X. S., M.A., M.LITT. (Annam), D.D. (Rome), PH.D. (Lond.) (Indian Studies).
THONG SAW PAK, DIP.SC., R.C., PH.D. (Physics).
UNGKU ABDUL AZIZ, B.A. (Economics).
(Vacant—Islamic Studies).

COLLEGE OF AGRICULTURE
SERDANG, SELANGOR

Founded 1931

Principal: G. I. M. MARTIN, B.SC.(AGRIC.), S.D.D.H., DIP. AGRIC. (Cantab.), D.T.A. (Trin.).

Teaching staff of 8 senior lecturers, 2 assistant lecturers, 4 agricultural assistants, 3 junior agricultural assistants.

Course: 3 years, annual intake of students: 120, Medium of Instruction: English.

CO-OPERATIVE COLLEGE OF MALAYA
PETALING, JAYA

Founded 1956.

Principal: INCHE ABDUL MAJID BIN HAJI MOHAMMAD, M.B.E.

Number of students: 100.

FEDERAL TECHNICAL COLLEGE
KUALA LUMPUR, SELANGOR

Founded 1954

The College is under the Ministry of Education, Federation of Malaysia. It offers training at two levels in civil, electrical and mechanical engineering, land surveying, quantity surveying and architecture; facilities exist for the training of 750 full-time day students. Minimum qualification for admission to the College is Cambridge overseas School Certificate, Division II; the duration of training is three or four years.

Principal: N. A. K. NAIR, J.M.N., B.A., A.M.I.E.E.

THE LANGUAGE INSTITUTE
(Maktab Perguruan Bahasa)

PANTAI VALLEY, KUALA LUMPUR

Founded 1958.

Number of students: 428 men, 96 women, total 524.

The College offers a two-year course to train teachers in the national language.

MUSLIM COLLEGE
KLANG, SELANGOR

Principal: Dr. ABDUL RAUF.

SULTAN IDRIS TRAINING COLLEGE
TANJONG MALIM, PERAK

Founded 1922 by the amalgamation of two older colleges, the Malacca Training College and the Matang Training College.

Principal: MOHD. ZAIN BIN ABD. RASHID.
Senior Lecturer: BAHARUDDIN BIN MARJI.
Librarian: MOHD. SHARIF BIN IDRUS.

The library contains 4,000 vols.
Number of instructors: 19.
Number of students: 297 men.
Publication: *Chendera Mata*, a Malay magazine published annually.

SABAH (NORTH BORNEO)

SOCIETIES AND LIBRARIES

British Council, The: Gaya Street, P.O. Box 746, Jesselton; Rep. JOHN LAWRENCE.

Kent College Library: Tuaran; f. 1952; available for use of the students at the (teachers' training) college.

Sabah Library Services: Dept. of Broadcasting & Information, South Road, Jesselton; 12,000 vols. at libraries in main towns; Dir. R. J. BROOKS.

The Sabah Society: Jesselton.

SARAWAK

LEARNED SOCIETY

British Council, The: Rock Road, Kuching; Regional Rep. M. J. WARD.

LIBRARY AND MUSEUM

Central Library: Kuching; f. 1950; administered by the Education Dept.; 45,000 vols. in English, Malay and Chinese; Librarian LUCIEN B. D. DE SILVA, A.L.A.

Sarawak Museum: Kuching; f. 1886; anthropological and ethnological collections; reference library; State archives; Curator and Government Ethnologist TOM HARRISON; publ. *Sarawak Museum Journal*.

COLLEGES

Batu Lintang Training College: Kuching; f. 1948; teachers' training college; up to 350 men and women students.

Methodist Theological School: Sibu.

Sarawak Teacher Training College: Sibu; f. 1957; for teachers in Chinese schools; up to 100 students, men and women.

School of Agriculture: Semongok, 12th Mile, Penrissen Road, Kuching; 12 months' courses in basic agriculture and home economics.

Extension Training Centre: Tarat; 6-months' course for students completing courses at the School of Agriculture.

MALTA

Population 328,116

LEARNED SOCIETIES

Agrarian Society: Valletta.

British Council, The: Pjazza Indipendenza, Valletta; Rep. P. R. V. DEED.

Chamber of Architects and Civil Engineers: 219 Kingsway, Valletta.

Malta Cultural Institute: 5/3 Sceberras Square, Floriana; f. 1948; concerts, lectures, film-shows; 1,100 mem s. library of 1,000 vols.; Dir. Prof. GASTON TONNA BARTHET, M.B.E., K.G.C.; publ. *Bulletin*.

Malta Society of Arts, Manufactures & Commerce: 219 Kingsway, Valletta.

Sovereign Order of St. John of Jerusalem: 5/3 Sceberras Square, Floriana; f. 1960; charitable institution; 22 mems.; Pres. Prof. GASTON TONNA BARTHET, M.B.E., K.G.C.; publ. *Bulletin*.

LIBRARIES AND MUSEUMS

Gozo Public Library: Vajringa Street, Victoria, Gozo; f. 1853, amalgamated with the Royal Malta Library 1948; 30,000 vols.; Librarian PAUL M. CASSAR.

Royal Malta Library: Valletta; f. 1555; Librarian VINCENT A. DEPASQUALE.

Royal University Library: Valletta; 50,000 vols.; Librarian-Designate Rev. P. SERRACINO-INGLOTT, B.D., PH.D.

There are 45 circulating libraries (32 in Malta, 13 in Gozo) throughout the islands.

Museum of Roman Antiquities and Roman Villa: Rabat.

National Museum of Malta: Valletta; f. 1905; Dir. Capt. CHARLES ZAMMIT, F.S.A.; Curator Fine Arts JOHN CAUCHI, LL.D.; Curator Archæology F. S. MALLIA.

UNIVERSITY AND COLLEGE

ROYAL UNIVERSITY OF MALTA

ST. PAUL STREET, VALLETTA

Telephone: Central 24066, 21201

Founded by Pope Clement VIII in 1592; raised to University status by decree of Grand Master Pinto in 1769.

Chancellor: H.E. THE GOVERNOR.
Vice-Chancellor and Rector Magnificus: E. J. BORG COSTANZI.
Registrar: L. M. PACE.
Bursar: P. GALEA CURMI.
Chief Registry Clerk: L. ELLUL.
Chief Finance Clerk: E. E. CAMILLERI.
Librarian-Designate: P. XUEREB.

Number of teaching staff: 106 including 25 professors.
Number of students: 547.

DEANS:

Faculty of Arts: Prof. JOSEPH AQUILINA.
Faculty of Science: W. G. H. EDWARDS.
Faculty of Dental Surgery: Prof. J. J. MANGION.
Faculty of Engineering and Architecture: Prof. J. COLOMBO.
Faculty of Medicine: Prof. J. V. ZAMMIT MAEMPEL.
Faculty of Laws: Prof. F. CREMONA.
Faculty of Theology: Rev. Prof. SERAPHIM M. ZARB.

PROFESSORS:

Faculty of Arts:
AQUILINA, JOSEPH (Maltese and Oriental Languages).
BECK, RICHARD J. (English).
COLEIRO, EDWARD.
DI PIETRO, ANTONIO (Modern Languages).
SAPIANO, JOSEPH (Philosophy).
VELLA, ANDREW (History).
(Vacant—Mathematics, Classics)

Faculty of Science:
EDWARDS, W. G. H. (Chemistry).
LEWIS, PETER (Physics).
(Vacant—Biology, Mathematics)

Faculty of Dental Surgery:
MANGION, J. J. (Dental Surgery).

Faculty of Engineering and Architecture:
COLOMBO, JOSEPH (Architecture).
(Vacant—Civil Engineering, Mechanical Engineering, Electrical Engineering).

Faculty of Medicine:
CAMILLERI, A. P., Midwifery and Gynaecology
COLEIRO, CARMELO (Hygiene).
CRAIG, ALFRED (Surgery).
GANADO, WALTER (Medicine).
GRIFFITHS, VICTOR G. (Anatomy).
XUEREB, GEORGE P. (Pathology).
ZAMMIT MAEMPEL, JOSEPH V. (Pharmacology and Therapeutics).
(Vacant—Physiology).

Faculty of Laws:
BUSUTTIL, EDWIN (Public Law).
CREMONA, FELIX (Commercial and Maritime Law).
CREMONA, J. (Criminal Law).
GANADO, JOSEPH M. (Civil Law).

Faculty of Theology:
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Academia Mexicana de la Lengua (*Mexican Academy of Languages*): Donceles 66, Mexico 1, D.F.; 3rd in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid.
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SALVADOR AZUELA (*elected*).

Academia Mexicana de la Historia, correspondiente de la Real de Madrid (*Mexican Academy of History*): Plaza de Carlos Pacheco 21; f. 1940; library of 8,510 vols.; Dir. MANUEL CARRERA STAMPA; publ. *Memoria de la Academia* (annual, 1942-).

Academia Mexicana de Jurisprudencia y Legislación (*Mexican Academy of Jurisprudence and Legislation*): 5 de Mayo No. 32, Desp. 406; f. 1889.

Academia Nacional de Ciencias (formerly **Sociedad Científica "Antonio Alzate"**) (*National Academy of Science*): Justo Sierra 19; f. 1884; library of 180,000 vols.; 60 mems.; Pres. Dr. NABOR CARRILLO FLORES; Perm. Sec. Dr. ANTONIO POMPA Y POMPA; publs. *Revista Memorias.*

Academia Nacional de Historia y Geografía (*National Academy of History and Geography*): Apdo. 1798; f. 1925; 179 mems.; Pres. ENRIQUE E. SCHULZ; Sec. LUIS RUBIO SILICEO.

Academia Nacional de Medicina de México (*Mexican National Academy of Medicine*): Bloque "B" 3er piso de la Unidad de Congresos del Centro Médico Nacional, Av. Cuauhtémoc 330, Mexico D.F., Apdo. M 8075; f. 1864; 41 sections; 314 mems. (32 hon., 204 ord., 29 tit., 49 corresp.); library of 10,000 vols.; Pres. Dr. MIGUEL JIMÉNEZ; Vice-Pres. Dr. LUIS CASTELAZO AYALA; Sec.-Gen. Dr. JAVIER ROBLES GIL; publ. *Gaceta Médica de México.*

Anuarios de Filosofía y Letras (*Philosophical and Literary Annuals*): Faculty of Philosophy and Letters, National Autonomous University of Mexico, Ciudad Universitaria, Mexico 20, D.F.; the organisation has seven sections: Philosophy, Letters, History, Psychology, Geography, Pedagogy, Library Science.

Asociación de Ingenieros y Arquitectos de México (*Association of Mexican Engineers and Architects*): 3A Calle de Puente de Alvarado 58; f. 1868; Pres. Ing. AGUSTÍN DENEYMET; Sec. Ing. JOSE ACOSTA SÁNCHEZ.

Asociación Médica Franco-Mexicana (*Franco-Mexican Medical Association*): Calle de Nazas 43; f. 1928; 400 mems.; Pres. Dr. MANUEL MARTÍNEZ BÁEZ; Vice-Pres. Dr. RAÚL FOURNIER; Sec. Dr. PABLO STEIMLE; publ. *Pasteur* (quarterly).

Asociación Mexicana de Geólogos Petroleros (*Mexican Association of Petroleum Geologists*): Tacuba No. 5; f. 1949; 504 mems.; Pres. RAÚL PÉREZ FERNÁNDEZ; Vice-Pres. LUIS BENAVIDES GARCÍA; Sec.-Treas. MOISÉS OLIVAS RAMÍREZ; publ. *Boletín* (bi-monthly), Editor MANUEL MALDONADO-KOERDELL.

Ateneo Nacional de Ciencias y Artes de Mexico (*National Athenæum of Sciences and Arts*): Bucareli 12; f. 1920 as Ateneo Estudiantil de Ciencias y Artes, then Ateneo de Ciencias y Artes de México 1926, present name 1934; comprises Sections of Architecture, Astronomy and Mathematics, Biology, Broadcasting, Cinematography, Criminology and Penal Law, Engineering, Eugenics, Geography, History, Hygiene, Law (Civil, Industrial, and International), Literature, Medicine, Military Studies, Music, Pedagogics, Political Economy, Natural Science, Statistics; 7 corresp. centres: Monterrey, Mérida, Veracruz, Chiapas, Tijuana, Oaxaca, Tlaxcala; library of 10,000 vols.; over 1,000 mems., including hon. and corresponding; Hon. Pres. Dr. ALFONSO PRUNEDA; Pres. EMILIO PORTES GIL; Vice-Pres. LUIS GARRIDO and Arq. EDMUNDO ZAMUDIO; Sec.-Gen. JOSÉ L. COSSIO; publs. *Boletín*, pamphlets.

Barra Mexicana-Colegio de Abogados (*Mexican Bar Association—College of Advocates*): Varsovia No. 1, Esq. de la Reforma, México 6, D.F.; f. 1923; 580 mems.; library of 4,200 vols.; Pres. Lic. EUGENIO RAMOS BILDERBECK; Sec. Lic. ROBERTO J. SÁNCHEZ DÁVALOS; publ. *El Foro* (quarterly review).

British Council: Calle M. Antonio Caso 127, Mexico 4, D.F.; Rep. E. R. H. PAGET, O.B.E.

Comisión Nacional de Energía Nuclear (*National Nuclear Energy Commission*): Insurgentes Sur 1079, 3er. piso; f. 1956; peaceful use of nuclear energy, nucleo-electric energy, applications of radio-isotopes in industry, medicine and agriculture; research training; library of

6,000 vols.; 90,000 reports, 2,000 vols. of periodicals; Pres. Lic. José Ma. Ortiz Tirado; Chair. Advisory Cttee. Dr. Alberto Barajas; Sec.-Gen. Lic. Salvador Cardona.

Dirección General de Asuntos Internacionales de Educación (*Board of International Education Affairs*): Edificio de la Secretaría de Educación Pública, Avda. República Argentina and Luis González Obregón; f. 1960; comprises Sections of Technical Assistance, International Relations in the fields of Education, Science and Culture and Exchange; serves as co-ordinating agency between the UN, UNESCO, the OAS and the Mexican Govt.; Dir. Dr. Luis Weckman.

Dirección de Geografía y Meteorología: Oficina de Geografía, Avda. Observatorio 192, Tacubaya, Mexico.

Dirección General de Estadística (*Statistics Office of the Secretaría de Economía*): Ave Balderas No. 71; f. 1922.

Instituto Francés de la América Latina: Nazas 43; f. 1944; library of 11,000 vols.; Dir. Marie-Anne Ricard.

Instituto Anglo-Mexicano de Cultura (*Anglo-Mexican Cultural Institute*): Calle M. Antonio Caso 127, Mexico 4, D.F.; f. 1943; library of 14,500 vols.; 202 mems.; Pres. Joseph A. W. Turner.

Instituto Bibliográfico Mexicano: c/o Biblioteca Nacional de México, República del Salvador 70; f. 1899, re-opened 1959; compiles the national bibliographies (10 vols. at present) and books on bibliographical subjects; Dir. Dr. Manuel Alcalá.

Instituto de Biología (*Institute of Biology*): Ciudad Universitaria, Mexico 20, D.F.; f. 1929; is an Institute of the University of Mexico; Depts. of Botany, Biochemistry, Zoology, Comparative Histology and Embryology; National Herbarium attached to the Department of Botany; general library of 40,000 vols.; botanical library of 3,400 vols.; Dir. Dr. Roberto Llamas; Librarian Antonio Bautista Carrillo; publ. *Anales* (twice yearly).

Instituto de Estudios Médicos y Biológicos (*Institute of Medical and Biological Research*): Apdo. Postal 70228, Ciudad Universitaria, Mexico 20, D.F.; f. 1942; Dir. Prof. I. González Guzmán; publ. *Boletín*.

Instituto de Geología (*Geological Institute*): Ciudad Universitaria, Mexico 20, D.F.; f. 1891; Dir. Ing. Guillermo P. Salas; publs. *Anales*, *Boletines*, *Paleontología Mexicana*, *Cartas Geológicas y Mineras*.

Instituto de Matemáticas (*Institute of Mathematics*): Torre de Ciencias, Ciudad Universitaria, Mexico, D.F.; f. 1942; 18 mems.; research in mathematics; Dir. Dr. Alfonso Nápoles Gándara.

Instituto Indigenista Interamericano: Niños Héroes 139, Mexico 7, D.F.; f. 1949; supplies medical, educational and economic help for the Indian tribes; library of 9,000 vols.; Dir. of Chiapas centre Prof. Alfonso Villa Rojas, Dir. of Cochabamba centre Dr. Oscar Arze Quintanilla.

Instituto Mexicana de Investigaciones Tecnológicas, A.C. (*Institute of Technical Research*): Calzada Legaria 694, Mexico 10, D.F.; f. 1950; applied research on natural resources and development of industrial processes; awards scholarships; specialised library in chemical technology of 3,500 vols.; Gen. Man. J. de J. Castellanos; Tech. Dir. I. Deschamps.

Instituto Mexicano-Norte Americano de Relaciones Culturales (*Mexican-N. American Institute of Cultural Relations*): Hamburgo 115, Mexico 6, D.F.; f. 1947; library of 2,648 vols.

Instituto Nacional de Antropología e Historia (*National Institute of Anthropology and History*): Cordoba 45, Mexico 7, D.F.; f. 1850; Dir. Eusebio Dávalos Hurtado; Sub-Dirs. Jorge Enciso and Dr. Ignacio Bernal; Sec. Lic. Jorge Gurría Lacroix; consists of the following Depts.: Pre-conquest Monuments (*Monumentos Prehispánicos*) Arqueol. Román Piña Chan; Colonial Monuments (*Monumentos Coloniales*) Arq. José Gorbea Trueba; Museum of Anthropology (*Museo de Antropología*) Antrop. Arturo Romano Pacheco; National Museum of History (*Museo Nacional de História*) Lic. Antonio Arriaga; Regional Museums (*Museos Regionales*) Sra. Carmen Carrillo de Antúnez; Anthropological Investigations (*Investigaciones Antropológicas*) Prof. Javier Romero; Historical Investigations (*Investigaciones Históricas*) Prof. Wigberto Jiménez Moreno; School of Anthropology (*Escuela de Antropología*) Dir. Dr. Pablo Martinez del Río; Archives and Libraries (*Archivos y Bibliotecas*) Dir. Dr. Antonio Pompa y Pompa; library of 200,000 vols.; Publications (*Publicaciones*) Lic. Jorge Gurría Lacroiz; Cultural Information (*Difusion Cultural*) Joaquin Cortina Goríbar; publ. *Anales*; for other publications *see under* respective museums and Escuela Nacional de Antropología.

Instituto Nacional de Bellas Artes y Letras (*National Institute of Fine Arts and Letters*): Palacio de Bellas Artes; f. 1947; consists of depts. of music, plastic arts, drama, literature, dance, theatrical production, architecture and administration; Dir. Andrés Iduarte; publ. *México en el Arte* (quarterly).

Instituto Nacional de Cardiología (*National Cardiological Institute*): Av. Cuauhtémoc 300; f. 1944; 299 medical mems; library of 2,986 medical vols. and 9,151 vols. of medical journals formed by 65,809 issues; Dir. Dr. Manuel Vaquero; Medical Sub. Dir. Dr. Felipe Mendoza, Admin. Sub. Dir. Dr. José Antonio Vila; publ. *Archivos del Instituto de Cardiología de México* (6 vols. per year).

Instituto Nacional de Higiene (*National Institute of Hygiene*): Czda. Mariano Escobedo 20, Mexico 17, D.F.; f. 1904; Dir. Angel de la Garza Brito, M.D., C.P.H.

Instituto Nacional Indigenista: Avenida Revolución No. 1279, Mexico 20, D.F.; f. 1948; carries out investigations, prepares studies and makes proposals to the Government concerning the native peoples of Mexico; 900 mems.; in addition to the central office there are 10 Central Co-ordinating Offices; library of 3,000 vols.; Dir. Dr. Alfonso Caso; Sec.-Gen. Lic. Antonio Salas Ortega; publs. *Acción Indigenista* (monthly), *Memorias*.

Istituto Italiano di Cultura: Liverpool 88, 3° Piso, Mexico 6, D.F.; Dir. Prof. Giovanni Dalla Pozza.

Observatorio Astronómico Nacional (*National Astronomical Observatory*): Ap. Postal 25264, Mexico 20, D.F.; f. 1878; an Institute of the Autonomous National University of Mexico; Dir. Dr. Guillermo Haro; publ. *Boletín de los Observatorios de Tonantzintla y Tacubaya* (three times yearly).

Sociedad Astronómica de México (*Mexican Astronomical Society*): Jardín Felipe Xicotencatl Colonia Alamos 13, A.P. 9647, Mexico 1, D.F.; f. 1902; library of 6,000 vols.; Pres. Herbert Scheffler; publ. *El Universo*.

Sociedad Botánica de México (*Botanical Society*): Sánchez Azcona 446, Mexico 12, D.F.; f. 1941; 130 mems.; Pres. Ing. Efraín Hernández; Sec. Biól. Gastón Guzmán; publ. *Boletín* (occasional).

Sociedad de Arquitectos Mexicanos (*Society of Mexican Architects*): Av. Veracruz 24, Mexico 11, D.F.

Sociedad de Educación (*Educational Society*): Sección Educacional, Edif. del Banco de Londres y México, Desp. 7/8.

Sociedad de Estudios Biológicos (*Society for Biological Research*): Balderas 94; Sec. Prof. Aurelio del Río.

Sociedad de Estudios Históricos de la Ciudad de México (*City of Mexico Society for Historical Research*): Avenida Uruguay 58; Pres. MIGUEL S. MACEDO.

Sociedad de Oftalmología del Hospital Oftalmológico de "Nuestra Señora de la Luz" (*Ophthalmological Society of the Ophthalmological Hospital*): Escuela de Medicina, Ezequiel Montes 135; f. 1893; Dir. Dr. ENRIQUE GRAUE; publ. *Boletín* (quarterly).

Sociedad Forestal Mexicana (*Mexican Forestry Society*): Calle de Jesús Terán 11; f. 1921; Pres. Ing. JULIO RIQUELME INDA; 1st Sec. FRANCISCO OROZCO JIMÉNEZ; 75 mems.; publ. *México Forestal* (quarterly).

Sociedad Geológica Mexicana (*Mexican Geological Society*): Ciprés No. 176, Apdo. Postal 32-140; f. 1904; 327 mems. in all; Pres. Ing. GUILLERMO P. SALAS; Vice-Pres. Ing. JESÚS RUIZ ELIZONDO; Sec. Dr. AUGUSTÍN AYALA CASTAÑARES; publ. *Boletín*.

Sociedad Matemática Mexicana (*Mexican Mathematical Society*): Tacuba 5, Mexico 1, D.F.; f. 1943; 250 mems.; 5 hon.; sponsors National Congresses and Regional Assemblies of mathematicians; Pres. Dr. NABOR CARRILLO; publ. *Boletín* (twice yearly).

Sociedad Mexicana de Antropológia (*Mexican Anthropological Society*): Córdora 45; f. 1937; 165 mems.; Perm. Secs. Dr. IGNACIO BERNAL and Dr. CÉSAR LIZARDI; publ. *Revista Mexicana de Estudios Antropológicos* (annually).

Sociedad Mexicana de Bibliografía (*Mexican Bibliographical Society*): Hemeroteca Nacional, Carmen y San Ildefonso; f. 1945; 91 mems., 39 corresponding mems.; Dir. Dr. AGUSTÍN MILLARES CARLO; Sec. FRANCISCO GAMONEDA; publ. *Boletín* (quarterly).

Sociedad Mexicana de Biología (*Mexican Biological Society*): Avenida de Brasil; f. 1921; Pres. FERNANDO OCARANZA; publ. *Revista Mexicana de Biología*.

Sociedad Mexicana de Estudios Psico-Pedagógicos (*Mexican Society for Psycho-Pedagogical Research*): Nayarit 86.

Sociedad Mexicana de Eugenesia (*Mexican Society of Eugenics*): 3A Acapulco 44; f. 1931; 150 mems.; Pres. Dr. EUGENIO ECHEVERRÍA ARNAUX; Sec. Dr. ALFREDO M. SAAVEDRA; library of 2,800 vols.

Sociedad Mexicana de Geografía y Estadística (*Mexican Society of Geography and Statistics*): Calle de Justo Sierra 19, Apdo. 10739; f. 1833; 525 active mems.; 450 corresponding mems.; library of 95,000 vols.; Dir. CONCEPCIÓN SAAVEDRA; publs. *Boletín* (twice yearly), and special works.

Sociedad Mexicana de Historia Natural (*Mexican Natural History Society*): Ramón Guzmán 125.

Sociedad Mexicana de Pediatría (*Mexican Pædiatrics Society*): Centro Materno-Infantil "Gral. M. Avila Camacho", Calzada de Madereros 240; f. 1954; 257 mems.; Pres. Dr. IGNACIO AVILA CISNEROS; Dir. Dr. ROGELIO H. VALENZUELA; publ. *Revista* (monthly).

Sociedad Mexicana de Tisiología (*Mexican Phthisiological Society*): Avda. Coyoacán 1707, Mexico 12, D.F.; f. 1932; 30 mems.; Sec. Dr. JOSÉ MONROY VELASCO.

Monterrey

Academia de Ciencias Históricas de Monterrey (*Academy of Historical Sciences of Monterrey*): Apdo. 389, Nuevo León; f. 1947; Pres. CARLOS PÉREZ-MALDONADO; Sec. JOSÉ P. SALDAÑA; publ. *Memorias*.

Sociedad Nuevoleonesa de Historia, Geografía y Estadística (*Historical, Geographical and Statistical Society of Nuevo León*): Biblioteca Universitaria "Alfonso Reyes", Apartado Postal 1575; f. 1942; 80 mems.; Pres. TIMOTEO L. HERNÁNDEZ; various publs.

Tacubaya, D.F.

Dirección de Geografía y Meteorología (*Geographical and Meteorological Dept.*): Av. Observatorio 192; f. 1915; library of 12,243 vols.; 80,796 pamphlets; Dir. Ing. JUAN MAS SINTA; the Department is divided into two sections: **Oficina de Geografía:** Dir. Ing. HORACIO VÁSQUEZ GLÚMER; publs. maps and pamphlets; and **Oficina de Meteorología:** Dir. Meteorologista ROBERTO CASTILLO MÉNDEZ; which is subdivided into Oficina de Estudios Especiales; Dir. Prof. MANUEL LEBRIJA CELAY; publs. climatological and meteorological pamphlets; Oficina de Previsión del Tiempo; Dir. MARIO LIZAOLA; publs. *Boletín Mensual de Temperaturas y Lluvias* (monthly), daily weather map; *Boletín anual de observaciones meteorológicas* and **Oficina de Estadística Climatológica;** Dir. MARÍA TERESA ALTAMIRANO REYES.

Instituto Panamericano de Geografía e Historia (*Pan-American Institute of Geography and History*): Exarzobispado 29; f. 1928; mems.: 22 American governments; library of approx. 55,000 vols. and periodicals collection of some 25,000; Pres. Gral. VICTOR H. J. HOSKING (Argentina); First Vice-Pres. Ing. ALFREDO OBIOLS (Guatemala); Second Vice-Pres. Col. EDUARDO HIDALGO FREIRE (Ecuador); Hon. Pres. Gral. RAMÓN CAÑAS MONTALVA (Chile); Sec.-Gen. Arq. IGNACIO MARQUINA; publs. (annually): *Boletín Bibliográfico de Antropología Americana, Revista Cartográfica, Revista de Folklore* (six-monthly), *Revista de Historia de América, Revista Geográfica, Boletín Bibliográfico de Geofísica y Oceanografía Americanas, Boletín del Comité de Archivos*.

Servicio Meteorológico Mexicano (*Mexican Meteorological Service*): *See above*, Dirección de Geografía y Meteorología.

Tepic, Nayarit

Departamento de Antropología e Historia de Nayarit: Avda. Mexico 91; f. 1946; Dir. EVERARDO PEÑA NAVARRO; Sec. MARÍA E. GONZÁLEZ A.

Tonantzintla, Puebla

Estación de Observación Astronómica: f. 1952; under the direction of the Observatorio Astronómico Nacional.

Tuxtla Gutiérrez

Ateneo de Ciencias y Artes de Chiapas: 3/a, Oriente 28; f. 1942; 76 mems.; Pres. Lic. ALBERTO MARÍN BARREIRO.

Vera Cruz

Ateneo Veracruzano (*Veracruz Athenæum*): Av. Díaz Mirón y Paseo Simón Bolivar; f. 1933; 88 mems. (22 corres.); Pres. C. P. T. FRANCISCO BROISSIN A.; publ. *Boletín* (monthly).

LIBRARIES

Asociación de Bibliotecarios Mexicanos: Calle de Graciela 174, Colonia Guadalupe Tepeyac, Mexico 14; f. 1924; 102 mems.; 900 vols. and booklets; Sec. FRANCISCO XAVIER ROJAS.

Bibliotecas Municipales (*Municipal Libraries*): the first libraries were founded in 1940, and wherever installed a Sociedad de Amigos de la Biblioteca (*Friends of the Library Assen.*) was created for the purpose of enlarging the scope of the service, extending cultural interest by the promotion of centres, amassing funds and books, and overseeing the loan department of the library. In 1955 the Federal District possessed 23 municipal libraries operating outside Mexico City.

Mexico City

Biblioteca Nacional de México (*National Library*): República del Salvador 70; housed in the old church of San Agustín, f. 1833, when the University was suppressed

and its books, and funds were used to start a National Library. In 1869 the Library was provisionally opened to the public, and finally in 1884 began the service which has since functioned without interruption; is now one of the Institutes of the National University of Mexico; Dir. Lic. ERNESTO DE LA TORRE VILLAR (acting); Library Sec. CÁRMEN C. CEBREROS.

This Library is considered one of the best in Latin America, as much for the number of volumes (approximately 600,000) as for the range and importance of the collections. There are also 150,000 printed documents relating to the political, social, artistic, literary and historical development of the country, and 111,953 MSS. of great interest.

Biblioteca del Archivo General de la Nación (*National Archives*): Palacio Nacional; documents relating to the Mexican-Cuban settlements, the Inquisition, and the political relationship of these two and other countries duplicated in each by exchange of copies in photostat or micro-film; Dir. Prof. J. IGNACIO RUBIO MAÑÉ; publ. *Boletín del Archivo General de la Nación* (quarterly).

Government Libraries:

Biblioteca de Investigaciones Pecuarias de la Secretaría de Agricultura (*Stock Farming Library, Ministry of Agriculture*): Palo Alto; 6,000 vols.; Librarian Prof. CRISÓFORO VEGA SCHÍNZ.

Biblioteca de la Secretaría de Salubridad y Assistencia (*Library of the Ministry of Public Health and Welfare*): f. 1884; 7,712 vols.; specialised medical collections.

Biblioteca de la Secretaría de Comunicaciones y Obras Públicas (*Library of the Ministry of Communications and Public Works*): Tacuba y Xicotecatl; f. 1891; 10,000 vols.; Dir. RENATO MOLINE ENRÍQUEZ.

Biblioteca de la Secretaría de Industria y Comercio: Av. Cuauhtemoc y Dr. Liceaga, Mexico, Zone 7, D.F.; f. 1918; economic material, statistical annuals, census returns for population, livestock, etc.; trade statistics; 42,250 vols.; Librarian Lic. MARÍA TERESA HERNÁNDEZ G.

Biblioteca del Congreso de la Unión (*Congress Library*): Edificio del ex-Convento de Santa Clara, Tacuba 809; f. 1936 with the collections of the old library of the Chamber of Deputies; 85,000 vols.; Dir. Lic. MIGUEL SANCHEZ DE TAGLE.

Biblioteca de la Secretaría de Economía (*Library of the Ministry of Economy*): Av. Cuauhtemoc y Dr. Liceaga; f. 1918; 62,324 vols.; Dir. Lic. MARÍA TERESA HERNÁNDEZ GONZÁLEZ; publs. include *Revista de Estadística, Gaceta de Patentes y Marcas, Boletín de Minas y Petróleo* (monthly), *Barómetros Económicos* (quarterly), *Compendio Estadístico* (annual), *Anuario Estadístico, Anuario de Comercio Exterior, Censuses of Commerce, Agriculture and Population* (1950), *México en Cifras, 1952*, etc.

Biblioteca de la Secretaría de Educación Pública (*Library of the Ministry of Public Instruction*): Brasil 31; f. 1923; 14,000 vols.; Dir. LEONOR LLACH.

Biblioteca de la Secretaría de Gobernación (*Library of the Ministry of Government*): Bucareli 99; f. 1917; 45,000 vols.

Biblioteca de Derecho y Legislación de la Secretaría de Hacienda (*Law Library, Finance Ministry*): Correo Mayor 31; f. 1925, present form 1928; 13,000 vols.; specialised library relating to ancient and existing federal laws, tax laws from 1831, foreign and international laws; Librarian SOFÍA SILVA.

Biblioteca General de la Secretaría de Hacienda (*General Library, Finance Ministry*): Palacio Nacional, Mexico 1, D.F.; f. 1928; with the collections of the old library of the Finance Ministry; 175,000 vols.; Dir. ROMÁN BELTRÁN MARTÍNEZ.

Biblioteca de Historia de la Secretaría de Hacienda (*Historical Library, Finance Ministry*): Palacio Nacional; f. 1939 with the collections of the old library of the Finance Ministry and those of Genaro Estrada acquired by the Government; 8,750 vols., 14,000 pamphlets relating to Mexico.

Biblioteca de la Secretaría de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): Juárez 109; f. 1821; 13,112 vols.; comprises a large Hemeroteca (periodicals), 14,000 vols. newspapers, periodicals and year-books; maps, charts, etc.; Dir. ESTHER HESLESS.

Biblioteca "Benjamin Franklin": Niza 53, Mexico 6, D.F., f. 1942; 37,500 vols.; Americana with emphasis on technical collections; U.S. Information Center; branches at Guadalajara, Monterrey, Puebla and Mazatlan.

Biblioteca Central del Instituto Nacional de Antropología e Historia (*Library of the National Institute of Anthropology and History*): Moneda 13; f. 1850 as Library of the Instituto Nacional de Antropología e Historia de México (*see* Learned Societies and Research Institutes), and was housed in the old Museo Nacional de Antropología, Historia y Estadística until the collections were divided ,the sections of archæology, ethnography and anthropology only remaining; 200,000 vols.; Dir. Dr. ANTONIO POMPA Y POMPA.

Biblioteca Central del Universidad Nacional Autónoma de Mexico: Cuidad Universitaria; f. 1924; 60,000 vols.; 600 periodicals; Dir. Prof. TOBÍAS CHÁVEZ.

Biblioteca de Ciencias Sociales (*Social Science Library*): Tacuba 11; f. 1925; 17,907 vols.

Biblioteca Ibero-Americana y de Bellas Artes (*Spanish-American and Fine Arts Library*): Palacio de Bellas Artes; f. 1923; over 20,000 vols.; also circulating; Dir. MARIO PAVÓN FLORES.

Biblioteca "Miguel de Cervantes Saavedra": Héroes y Esmeralda; f. 1924; 27,200 vols.; Dir. ESTHER ELENA JIMÉNEZ.

Biblioteca Pedagógica (*Pedagogical Library*): Argentina 12; f. 1923; 10,000 vols.

Hemeroteca Nacional de México (*National Library of Periodicals*): 31 Calle Carmen; f. 1912; 116,000 vols. of newspapers and periodicals; Mexican Gazette of 18th century; iconographical museum; Dir.-Librarian Dr. GUSTAVO A. PEREZ TREJO.

Monterrey, N.L.

Biblioteca del Instituto Tecnológico y de Estudios Superiores de Monterrey: Sucursal de Correos "J"; f. 1943; 100,000 vols., 1,070 periodicals; Dir. Lic. LUIS ASTEY V.

Tacubaya

Biblioteca del Instituto Panamericano de Geografía e Historia (*Library of the Pan-American Institute of Geography and History*): f. 1928; approx. 55,000 vols.; 32,000 peroidicals and 12,000 maps.

MUSEUMS

Mexico City

Galería de Pintura y Escultura de San Carlos (*Gallery of Painting and Sculpture of San Carlos*): Academia 22; f. 1785; exposition of European, primitive, and classical paintings; Dir. ENRIQUE F. GUAL.

Instituto Indigenista Interamericano (*Inter-American Indian Institute*): Niños Héroes 139; permanent exhibition of inter-American arts and crafts.

Museo de Arte Religioso (*Museum of Religious Art*): Guatemala 17; artistic treasures from the Mexican National Cathedral and other churches; gold objects dating back to the colonial era, and Mexican, European, and Asiatic paintings and sculptures.

Museo Nacional de Antropologia (*National Museum of Anthropology*): Calle de Moneda 13; f. 1825; anthropological, ethnological, archæological and popular art collections relating to Mexico and the Americas; housed in the old Mint (Antigua Casa de la Moneda); first museum established in Mexico; some 500,000 exhibits; library of 200,000 vols.; Dir. ARTURO ROMANO PACHECO; publs. *Anales del Inah*, etc.

Museo Nacional de Artes e Industrias Populares: Calle Ave. Juárez 44; f. 1949; examples of popular Mexican art of all periods, artisan crafts; Dir.-Gen. Dr. DANIEL F. RUBIN DE LA BORBOLLA.

Museo Nacional de Arte Moderno (*National Museum of Modern Art*): Bosque de Chapultepec; f. 1947 as Museo Nacional de Artes Plásticas. Changed name 1958; permanent and temporary exhibitions; Dir. CARMEN BARREDA; publs. *Boletín mensual*, special catalogues, etc.

Museo Nacional de Historia (*National Historical Museum*): Castillo de Chapultepec; f. 1822, moved to Chapultepec Castle 1941, opened 1944; history of Mexico since the Spanish conquest to the Revolution of 1910; over 7,500 specimens of Mexican and European porcelain, ceramics, mosaics, jewellery and textiles, popular 19th-century paintings, ornamental wooden statues, religious art, and cultural history; Dir. Lic. ANTONIO ARRIAGA OCHOA; publ. *Série Cientifica*.

Museo de Flora y Fauna Nacional (*Museum of Mexican Flora and Fauna*): f. 1937; Dir. ROBERTO BARRENA.

Pinacoteca Virreinal de San Diego (*San Diego Viceregal Art Gallery*): Dr. Mora 7, Mexico 1, D.F.; under auspices of Instituto Nacional de Bellas Artes; collection of paintings of the colonial era in Mexico; cultural programmes, recitals, etc.; Dir. CARMEN M. DE ANDRADE.

Recinto de Homenaje a Don Benito Juárez (*Juarez Hall*): National Palace; historic relics related to the life and death of Benito Juárez; Dir. DANIEL MUÑOZ Y PÉREZ.

Actopán, Hgo.

Museo Regional de Actopán: f. 1933; collections relating to the Otomie Indians housed in the old convent of Actopán, one of the best preserved in Mexico.

Campeche, Camp.

Museo Arqueólogico, Etnográfico e Histórico del Estado (*Archæological, Ethnographic and Historical Museum of the State of Campeche*): in the former Iglesia del Jesus; Dir.-Gen. of Museums, State of Campeche, Arq. RAÚL PAVÓN ABREU.

Museo Regional de Armas (*Arms Museum*): Castillo de San Carlos.

Guadalajara, Jal.

Museo del Estado: f. 1700 as a seminary: collections of early Mexican objects; folk art and costumes; archæological discoveries.

Museo Regional de Antropologia e Historia: f. 1918; special collections of pre-Spanish and Colonial period art and paintings; Curator JOSÉ G. ZUNO.

Museo-Taller José Clemente Orozco: Calle Aurelio Aceves 27; became a museum after the artist's death in 1949; paintings and sketches; Dir. BERTA VALDIVIA.

Guanajuato.

Museos de la Universidad de Guanajuato (*University Museums*): Lascurain de Retana 5; f. 1870; comprise: Natural History, Geology, Mineralogy, and includes the natural history collection of Alfredo Duges with many rare specimens; Dir. MARCOS ARELLANO ARMENTA.

Jalapa, Ver.

Museo Veracruzano de Antropologia: special regional archæological collections of the Olmec, Totonac and Huastec cultures of ancient Mexico; under organisation by the Director, Institute of Anthropology of the University of Veracruz, ALFONSO MEDELLÍN ZENIL.

Mérida, Yuc.

Museo Regional de Mérida; Palacio Cantón, Paseo de Montejo; f. 1920; archæological and ethnological exhibits from the Maya zone, including items relating to the Aztecs and Mayas; Dir. PONCIANO SALAZAR ORTEGÓN; publ. *Boletín de Bibliografía Yucateca*.

Morelia, Mich

Museo Michoacano (*Michoacan Museum*): Calle de Allende 305; f. 1886; archæological, ethnographical and prehistoric collections of the district; Dir. JOSÉ LUIS MAGANA GARCÍA; publ. *Anales*.

Oaxaca, Oax.

Museo Regional de Oaxaca: Calle Independencia 33; f. 1933; anthropological, archæological, ethnographical; contains the famous archæological treasures found in Tomb No. 7, Monte Albán, jewellery, etc.; Dir. Prof. LORENZO CAMIO.

Patzcuaro, Mich.

Museo de Artes Populares (*Regional Museum of Arts and Crafts*): Enseñanza y Alcantarillas s/n; f. 1935; ancient and modern ethnographical exhibits relating to the Tarascan Indians of Michoacan; Curator J. JESÚS PÉREZ CAMACHO.

Puebla, Pue.

Museo Regional de Santa Mónica: f. 1940; religious art; comprises the collections of various disbanded convents and now housed in that of Santa Mónica.

Museo de Arte "José Luis Bello y González": Avda. 3 Poniente 302; f. 1938, opened to the public 1944; given to the town by Sr. José Mariano Bello; formerly part of his private collection; contains: ivories, porcelain, wrought iron, furniture, etc., Mexican and European paintings; Dir. ALICIA TORRES DE ARAUJO.

Museo del Estado: Casa del Alfeñique, 4 Oriente No. 416; f. 1926; notable archæological and historical collections; Dir. MIGUEL E. SARMIENTO.

Querétaro, Qro.

Museo Regional de Querétaro (*Querétaro Historical Museum*). Calle Corregidora 3; f. 1936; local history and art; Dir. J. GERMÁN PATIÑO DÍAZ.

Teotihuacán, Mex.

Museo Arqueológico de Teotihuacán: Pirámides; f. 1922 archæological, ethnographical, anthropological and historical collections from the Teotihuacán Valley; Dir. MANUEL CASTAÑEDA.

Tuxtla Gutiérrez, Chiapas

Museo Regional de Antropologia e Historia: Palacio de la Cultura; f. 1939; archæological, colonial and anthropological; Dir. ARMANDO DUVALIER.

Tzintzuntzan, Mich.

Museo Etnográfico y Arqueológico: f. 1944; ethnographical and archæological collections relating to the Ttzinuntzan and Tarascan zones of Lake Pátzcuaro.

UNIVERSITIES

UNIVERSIDAD NACIONAL AUTÓNOMA DE MÉXICO
(National Autonomous University of Mexico)

CIUDAD UNIVERSITARIA,
VILLA OBREGÓN,
MEXICO 20, D.F.
Telephone: 48.65.00.

Founded 1551; classes commenced 1553.

Rector: Dr. IGNACIO CHÁVEZ.
Secretary-General: Dr. ROBERTO L. MANTILLA MOLINA.
Asst. Secretary: Lic. DIEGO G. LÓPEZ ROSADO.
Treasurer: JAVIER ORTIZ TIRADO, C.P.

In addition to the Central Library, there are specialised libraries attached to the faculties, schools and research institutes.

Number of teachers: approx. 6,370.
Number of students: approx. 73,615.

Publications: *Anales del Instituto de Biología, Anales del Instituto Física, Anales del Instituto de Geofísica, Anales del Instituto de Geología, Anales del Instituto de Investigaciones Estéticas, Anuario de Biblioteconomía, Anuario de Geografía, Anuario de Historia, Anuario de Letras, Anuario de Pedagogía, Anuario del Observatorio Astronómico Nacional de Tacubaya, Boletín de Estudios Médicos y Biológicos, Boletín del Instituto de Geología, Boletín del Instituto del Química, Boletín de la Biblioteca Nacional, Boletín de los Observatorios de Tonantzintla y Tacubaya, Boletín de la Sociedad Matemática Mexicana, Boletín Oceanográfico, Boletín Sismológico, Boletín de la Sociedad Mexicana de Física, Boletín Geomagnético, Ciencias Políticas y Sociales, Contabilidad y Administración, Estudios de Cultura Náhuatl, Estudios de Cultura Maya, Filosofía y Letras, Gaceta de la Universidad, Ingeniería, Investigaciónes Económicas, Revista Matemática, Revista Mexicana de Sociología, Universidad de México.*

CO-ORDINATORS AND DIRECTORS OF INSTITUTES AND DEPARTMENTS:

Coordinador de Institutos de Investigación Científica: Dr. IGNACIO GONZÁLEZ GUZMÁN.
Coordinador de Institutos de Humanidades: Dr. MARIO DE LA CUEVA.
Director-General de Servicios Escolares: Méd. Cir. EDUARDO CÉSARMAN.
Director-General de Universidades y Escuelas Incorporadas: Lic. MARÍA CARRERA MALDONADO.
Director-General de Difusión Cultural: Lic. JAIME GARCÍA TERRÉS.
Director-General de Servicios Sociales: Méd. Cir. ALFONSO DE GORTARI.
Director-General de Publicaciones: Lic. RUBÉN BONIFAZ NUÑO.
Director-General de Intercambio Cultural Relaciones Publicas y Becas: Dr. LUCIO CABRERA.

DIRECTORS OF FACULTIES AND SCHOOLS:

Faculty of Law: Lic. CÉSAR SEPÚLVEDA.
Faculty of Philosophy and Letters: Dr. FRANCISCO LARROYO.
Faculty of Science: Dr. FERNANDO E. PRIETO CALDERÓN.
Faculty of Engineering: Ing. ANTONIO DOVALÍ JAIME.
Faculty of Medicine: Méd. Cir. DONATO G. ALARCÓN.
Faculty of Chemical Sciences: Quím. MANUEL MADRAZO G.
Faculty of Commerce and Business Administration: ARTURO ELIZUNDIA CHARLES, C.P.
National Schools:
Architecture: Arq. RAMÓN TORRÉS MARTÍNEZ.
Economics: Lic. HORACIO FLORES DE LA PEÑA.
Music: Prof. MANUEL REYES MEAVE.
Nursing and Obstetrics: Méd. Cir. RAFAEL TOVAR VILLAGORDOA.
Odontology: Cir. Dent. MIGUEL SANTOS OLIVA.
Plastic Arts: Prof. JOSE ARELLANO FISHER.
Political and Social Sciences: Lic. ENRIQUE GONZÁLEZ PEDRERO.
Preparatory: Lic. ALFONSO BRISEÑO RUIZ.
Seasonal Courses: Dr. ANTONIO CASTRO LEAL.
Veterinary Medicine and Zootechnics Med. Vet. MANUEL RAMÍREZ VALENZUELA.

Owing to the large number of teaching staff, lack of space makes it impossible to give, in the case of this University, the usual list of professors

AFFILIATED RESEARCH INSTITUTES:

Biblioteca Central y Subsidiarias (*Central Library and Branches*).
Director: Prof. TOBÍAS CHÁVEZ.

Biblioteca Nacional de México (*National Library*).
Provisional Director: Lic. ERNESTO DE LA TORRE VILLAR.
Director Periodicals Section: Dr. GUSTAVO PÉREZ TREJO.

Centro de Cálculo Electrónico (*Electronic Computing Centre*).
Director: Ing. SERGIO BELTRÁN.

Centro de Estudios Filosóficos (*Centre of Philosophical Studies*).
Director: (Vacant).

Centro de Estudios Literarios (*Centre of Literary Studies*).
Director: Dra. MARÍA DEL CARMEN MILLÁN.

Instituto de Biología (*Biological Institute*).
Director: Dr. ROBERTO LLAMAS.

Instituto de Derecho Comparado (*Institute of Comparative Law*).
Director: Dr. ROBERTO MOLINA PASQUEL.

Instituto de Estudios Médicos y Biológicos (*Institute of Medical and Biological Studies*).
Director: Dr. IGNACIO GONZÁLEZ GUZMÁN.

Instituto de Física (*Institute of Physics*).
Director: Dr. FERNANDO ALBA ANDRADE.

Instituto de Geofísica (*Institute of Geophysics*).
Director: Dr. JULIÁN ADEM.

Instituto de Geografía (*Geographical Institute*).
Provisional Director: M. EN G. CONSUELO SOTO MORA.

Instituto de Geología (*Geological Institute*).
Provisional Director: Ing. GUILLERMO P. SALAS.

Instituto de Ingeniería (*Institute of Engineering*).
Director: Dr. EMILIO ROSENBLUETH.

Instituto de Investigaciones Económicas (*Institute of Economics Research*).
Director: Lic. JOSÉ LUIS CECEÑA GÓMEZ.

Instituto de Investigaciones Estéticas (*Institute for Aesthetic Research*).
Director: Dr. JUSTINO FERNÁNDEZ.

Instituto de Investigaciones Históricas (*Institute for Historical Research*).
Director: Dr. MIGUEL LEÓN PORTILLA.

Instituto de Investigaciones Sociales (*Institute of Social Research*).
Director: Dr. LUCIO MENDIETA Y NÚÑEZ.

Instituto de Matemáticas (*Mathematical Institute*).
Director: Dr. ALFONSO NÁPOLES GÁNDARA.

Instituto de Química (*Institute of Chemistry*).
Director: Dr. ALBERTO SANDOVAL LANDÁZURI.

Observatorio Astronómico (*Astronomical Observatory*).
Director: Dr. GUILLERMO HARO.

UNIVERSIDAD AUTONÓMA DEL ESTADO DE MÉXICO
(Autonomous University of the State of Mexico)

TOLUCA, EDO. DE MEXICO

Telephone: 22-04 and 4504.

Founded 1956.

Rector: Dr. JORGE HERNÁNDEZ GARCÍA.
Secretary-General: FRANCISCO MARTÍNEZ.

There is a School of Medicine and Faculties of Engineering and Jurisprudence.

UNIVERSIDAD FEMENINA DE MÉXICO

AVDA. DE LOS COSTITUYENTES 151, TACUBAYA, MEXICO 18, D.F.

Telephone: 15.24.74, 15.64.33, 15.64.97.

Founded 1943.

Founder and Director-General: ADELA FORMOSO DE OBREGÓN SANTACILIA.
Secretary-General ADELA OBREGÓN F. DE VÉLEZ CUEVAS.

Library of 12,000 vols.
Number of teachers: 137.
Number of students: 1,200.

DIRECTORS:

Bachilleratos: Lic. CELIA ALARCÓN DE CABRERA.
Letters: GUADALUPE SÁNCHEZ AZCONA DE GARZA GALINDO.
Law: Lic. JOSÉ BARROSO.
Accountancy: GASTÓN AVELLANEDA.
Pharmaceutical Chemistry: MARÍA DEL PILAR RIUS DE BELASTEGUIGOITIA.
Science of Diplomacy: Lic. F. JORGE GAXIOLA, Jr.
Baccalaureate and Preparatory School.
Facultative Schools: Administration, Archives and Libraries, Letters, Laws, Social, Political and Diplomatic Sciences.
Courses: Archives, Interior Decoration, Food and Nutrition, Journalism, Medical Laboratories and Radiology, Nursing, Anæsthetics, Children's Nursing, Medical and Dental Secretarial Work, Social Welfare.

UNIVERSIDAD OBRERA DE MÉXICO
(Workers' University)

AVDA. MORELOS 91, MEXICO CITY

Telephone: 46-17-26.

Founded 1936.

Director: Dr. VICENTE LOMBARDO TOLEDANO.
Secretary-General: Prof. ADRIANA LOMBARDO.
Administrative Head: RACIEL HERNÁNDEZ.
Head of the Scholastic Department: CESÁREO JIMÉNEZ.
Head of the Cultural Activities Department: OFELIA IGLESIAS and ANA MENDIZABAL.
Head of Cultural Relations with Abroad: FEDERICO SILVA.
Head of the Editorial Department: FERNANDO BELTRÁN.
Librarian: FANNY ELVIRA PERERA CHAMÁN.

Publications: *Universidad* (half-yearly).

The University is divided into schools offering courses on Labour Legislation, the Political Education of Workers, Painting, Sculpture and Drawing, Languages; as well as elementary courses in Arithmetic, Spanish, History and Mexican Geography. There is a *Departamento de Extensión Cultural* which organises study centres, lectures and concerts in Mexico City and throughout the country under the directorship of Dr. LUIS MONTER VALENZUELA.

TEACHERS:

ALTAMIRANO, Prof. ELEUTERIO
BOTAS SANTOS, Lic. EDUARDO
CARRASCO, VICTOR M.
COLINA BARRANCO, Lic. MARIO
DE MENDIZÁBAL, Ing. MIGUEL
FÉLIX, LÁZARO R.
GONZÁLEZ BERNARD, Prof. MARIO
GUTIÉRREZ, Prof. VÍCTOR
HERNÁNDEZ, Prof. RACIEL
IGLESIAS, OSCAR F.
LOMBARDO TOLEDANA, Dr. VICENTE
MENDIZÁBAL, ANA
OGAZ MUÑOZ, Lic. TOMÁS
PLIEGO GALICIA, Lic. ALFONSO
RAMÍREZ, Lic. EDUARDO
RÍOS DÍAZ, Lic. AUGUSTO
SÁNCHEZ DÍAZ, Lic. ALFONSO

UNIVERSITY OF THE AMERICAS

KM. 16 CARRETERA MEXICO-TOLUCA

Telephone: 20-93-45.

Founded 1940 as Mexico City College; University 1963.

President: Dr. D. RAY LINDLEY.
Registrar: Mrs. ELIZABETH T. DE LÓPEZ.
Librarian: Mr. ROBERT A GORDILLO.

Library: 20,000 volumes.
Number of teachers: 91.
Number of students: 850.

Publications: *Meso-American Notes, Boletin de Estudios Oaxaquenos, Antología M.C.C., Directory of Libraries of Mexico City, The Mosaic, Alumni Notices, The Collegian, First Edition and Supplement of Descriptive List of Research Papers and Theses.*

PROFESSORS:

ALLEN, MILDRED, English
GARZA, GARCÍA, Dr. F., Psychology
JIMÉNEZ MORENO, WIGBERTO, Anthropology
LINDLEY, Dr. D. R., Psychology
MCMICHAEL, Dr. M. E., Business Administration
ROBINS, E., English
STAFFORD, Dr. LORNA L., Spanish Language and Literature
THARP, Dr. J. B., Education
VON WUTHENAU, Dr. A., History of Art

UNIVERSIDAD AUTÓNOMA DEL ESTADO DE BAJA CALIFORNIA

MEXICALI, BAJA CALIFORNIA

Rector: Dr. SANTOS SILVA COTA.
Secretary: RAFAEL SOTO GIL.

UNIVERSIDAD "BENITO JUAREZ"

OAXACA, OAXACA

Founded 1964.

Rector: Lic. ALBERTO CANSECO RUIZ.

UNIVERSIDAD DE CAMPECHE

CAMPECHE, CAMP

Rector: Lic. MANUEL PERÉZ ABREU DE LA TORRE.
Secretary-General: PEDRO TELL O ANDUEZA.

UNIVERSIDAD DE CHIHUAHUA

CIUDAD UNIVERSITARIA, CHIHUAHUA, CHIH.

Telephone: 2-31-90.

Founded 1954.

Rector: Dr. CARLOS VILLAMAR TALLEDO.
Secretary-General: Lic. LUIS FAUSTO ORNELAS K.
Registrar: Dr. JESUS TORRES ENRIQUEZ.
Treasurer: ALFREDO MORENO.

Number of teachers: 318.
Number of students: 2,676.

Publications: *Lecturas Jurídicas, Boletín Bibliográfico-Escuela de Derecho.*

DEANS:

Faculty of Medicine: Dr. TOMÁS ORDÓÑEZ.
Faculty of Engineering: Ing. GILBERTO A. RUIZ.
Faculty of Accountancy and Administration: C. P. JAIME CREEL SISNIEGA.
Faculty of Zootechnics: Dr. DELFINO GONZÁLEZ.
Faculty of Chemical Technology: Prof. EVA MARISCAL.
Faculty of Physical Education: Prof. ROBERTO B. SALDÍVAR.
School of Nursing and Obstetrics: Dr. ARTURO GARCÍA TALAMANTES.
Preparatory School: Lic. FRANCISCO DE A. GARCÍA.
Institute of Fine Arts: Prof. SALVADOR PÉREZ MÁRQUEZ.
Faculty of Law: Lic. OSCAR ORNELAS K.

PROFESSORS:

Faculty of Medicine:
MARTÍNEZ BERÚMEN, Dr. JOSUÉ, Preventive Medicine
PÉREZ LÓPEZ, Dr. JOSÉ, M., Physiology

Faculty of Engineering:
MEDRANO, Ing. RAÚL, Mathematics, Physics, Cosmography
MOYA, Ing. MIGUEL, Mathematics, Constructional Drawing, Physics
SAENZ CASAVANTES, Prof. LEOPOLDO, Mathematics

Faculty of Law:
AGUILAR PÉREZ, Lic. ENRIQUE, Civil Law
LUGO FERNÁNDEZ, Lic. ERNESTO, Land Law, Penal Law, Sociology
PÉREZ BAÑOS, Lic. FRANCISCO, Introduction to Law, Philosophy of Law, Civil and Procedural Law
VILLALOBOS, Lic. ROGELIO, Administrative Law, Civil Law

UNIVERSIDAD DE COAHUILA

SALTILLO, COAH

Rector: Lic. JOSÉ DE LAS FUENTES RODRÍGUEZ.

UNIVERSIDAD POPULAR DE COLIMA

COLIMA, COL.

Rector: Lic. ANGEL REYES NAVARRO.

UNIVERSIDAD "JUÁREZ" DE DURANGO

DURANGO, DGO.

Rector: Lic. ANGEL RODRÍGUEZ SOLÓRZANO.

UNIVERSIDAD DE GUADALAJARA

AVENIDA JUÁREZ 975, GUADALAJARA, JAL.

Telephone: 4.49.85.

Founded 1792.

Rector: Ing. HUGO VÁSQUEZ REYES.
Secretary-General: JULIO NOVOA NIZ.

The Library contains 30,000 volumes.

Number of teachers: 1,059, including 87 full-time.

Number of students: 9,130.

DIRECTORS:

Faculty of Chemistry: Ing. HUMBERTO DÍAZ RUVULCABA.
Faculty of Commerce and Business Administration: JESÚS MEDINA AMBIZ.
Faculty of Law: Lic. IGNACIO MACIEL SALCEDO.
Faculty of Economics: Lic. FLAVIO BERUBEN ARQUIET.
Faculty of Philosophy and Letters: Ing. EDMUNDO PONCE ADAME.
Faculty of Engineering: Ing. PEDRO VÁSQUEZ GUERRA.
Faculty of Medicine: Dr. WENCESLAO OROZCO SEVILLA.
Faculty of Dentistry: Dr. JUAN ACOSTA AGUILAR.

AFFILIATED SCHOOLS AND INSTITUTES:

Escuela de Música (*School of Music*).
Director: Prof. DOMINGO LOBATO BAÑALES.

Instituto de Astronomía y Meteorología.
Director: Lic. J. JESÚS ARIAS V.

Instituto de Bibliotecas (*Institute of Librarianship*).
Director: Prof. JOSÉ CORNEJO FRANCO.

Instituto de Botánica (*Botanical Institute*).
Director: Ing. AGUSTÍN GÓMEZ Y GUTIÉRREZ.

Instituto de Geografía (*Geographical Institute*).
Director: Ing. JOSÉ R. BENÍTEZ.

Instituto Tecnológico (*Technological Institute*).
Directors:
Faculty of Engineering: Ing. MANUEL F. PARRA.
Faculty of Chemistry: Ing. J. LUIS MEDINA G.
School of Architecture: Arq. IGNACIO DÍAZ MORALES.
Polytechnic (Sec.-Gen.): Prof. OCTAVIO MENDOZA.
Vocational Guidance School: Ing. GUSTAVO VACA VILLASEÑOR.
Department of Industrial Research and Development: Dr. RICARDO ZALDUMBIDE.
Workshops: Ing. HUGO ROSALES MARTÍNEZ.

UNIVERSIDAD AUTÓNOMA DE GUADALAJARA

16 DE SEPTIEMBRE, 340, GUADALAJARA, JAL.

Telephone: 4-49-85.

Founded 1935.

Rector: Dr. LUIS GARIBAY GUTIÉRREZ.
Vice-Rector: Lic. ANTONIO LEAÑO A. DEL C.
Secretary: Lic. CARLOS PÉREZ VIZCAÍNO.
Treasurer: Ing. LUIS UGARTE VIZCAÍNO.
Librarian: Lic. SALVADOR REYNOSO REYNOSO.

The Library contains 30,000 volumes.

Number of students (approx.): 3,492.

Publications: *Galeta Universitaria, Lucha.*

DIRECTORS:

Faculty of Medicine: Dr. JOAQUÍN RAMOS SANTOS.
Faculty of Engineering: Ing. LUIS UGARTE VISCAÍNO.
Faculty of Odontology: Dr. JOSÉ AGUIRRE LOZANO.
Faculty of Chemical Sciences: Ing. JOSÉ ANTONIO MESTAS TERÁN.
Faculty of Law: ALFONSO RIVAS SALMÓN.
Faculty of Commerce and Administration: Lic. C. P. AURELIO CÓRTES DÍAZ.
Faculty of Architecture: Arq. FRANCISCO CAMARENA.
Faculty of Pharmacy: Dr. IGNACIO ACEVES MUÑOZ.
Faculty of Philosophy: Lic. SALVADOR REYNOSO REYNOSO.
Faculty of Economics: C. P. MARCIANO GUDIÑO SANTANA.
Institute of Biological Sciences: Dr. GUILLERMO SANTOSCOY GÓMEZ.
Institute of Humanities and Social Sciences: Lic. SALVADOR REYNOSO REYNOSO.
Institute of Exact and Earth Sciences: Ing. JOSÉ LUIS AMEZCUA.
School of Nursing: Dr. RAÚL SALAS GARCÍA.

PROFESSORS (TITULARES):

Faculty of Medicine:
ACEVES FLORES, IGNACIO, Propædeutics
ACEVES ORTEGA, RAÚL, Dermatology
AGUIRRE CASTILLO, RUBEN, Dermatology and Human Anatomy
ARELLANO, MARÍA, Urology
AVALOS, ENRIQUE, Ophthalmology
BARRAGÁN VALENZUELA, JORGE, Introduction to Surgery
CASILLAS RAMÍREZ, PABLO, Nosology
CHABAT, CARLOS, Forensic Medicine
CORTÉS DE LA P., FERNANDO, Respiratory Clinical Surgery
DEL CAMPO, RIGOBERTO, Nosology
DÍAZ NAVARES, JOSÉ, Sociological Medicine, Preventive Medicine
FARÍAS, G., FERNANDO, Medical Psychology
FIGUEROA VEGA, JOSÉ L., Anæsthesiology
GARIBAY G., LUIS, Pædiatrics
GONZÁLEZ MORENO, JUAN J., Urology
GONZÁLEZ OSUNA, CARLOS, Social and Preventive Medicine
GONZÁLEZ RAMÍREZ, SALVADOR, Skeleto-Muscular Systems
GUTIÉRREZ, HERIBERTO, Experimental Surgery
GUZMÁN ALEMÁN, VÍCTOR, Circulatory Organs
HERMOSILLO HERNÁNDEZ, SALVADOR, Physiology
HERNÁNDEZ GONZÁLEZ, SILVIANO, Human Anatomy and History and Philosophy of Medicine
HERRERA ROMO, LUIS, Pædiatrics
MARTÍNEZ TORRES, LUIS, Theory of Obstetrics
MEDINA LUNA, LUIS, Medical Psychology
MENDIOLA GÓMEZ, JAIME, Microbiology and Parasitology
MORALES CASTRO, ANGEL, Pathological Anatomy
NATERA TERRONES, RICARDO, Respiratory Organs
OCEGUERA NAVARRO, CARLOS, Pharmacology
OROZCO MAGAÑA, ISMAEL, Nosology
RAMÍREZ M. VELASCO, J. JESÚS, Digestive System and History and Philosophy of Medicine
RAMOS MEZA, JOSÉ E., Nutrition and Endocrinology
RAMOS M., JOSÉ E., Nosology
RAMOS SANTOS, JOAQUÍN, Circulatory Organs
RÍOS GONZÁLEZ, AGUSTÍN, Digestive System
RIVAS SALMÓN, CARLOS, Circulatory Organs
SALAS GARCÍA, RAÚL, Pædiatrics
SANTOSCOY GÓMEZ, GUILLERMO, Theory of Microbiology and Parasitology
SAUCEDO GALINDO, MARIO, Neurology and Psychiatry
SILVA ESCOTO, SALVADOR, Digestive System
VÁZQUEZ CARDUZ, HUMBERTO, Introduction to Surgery
VELASCO GUTIÉRREZ, FRANCISCO, Medical Psychology

Faculty of Engineering:
Civil Engineering:
AGUILERA DE LA MORA, JAVIER, Building
AMEZCUA SAHAGÚN, JOSÉ L., Concrete
ARÁMULA ESPINOSA, CARLOS, Algebra

Ascencio González, Jaime, Building
Casillas Vargas, Rodolfo, Practical Calculus
Chávez G., Victor M., Works Administration
Cruz Beauregard, Abelardo, Soil Mechanics
Dávila Camacho, Alfredo, Geometry and Applied Geology
Estrado Reyes, Luis, Hydraulics
García Brito, Adalberto, General and Practical Topography
González Luna, Eliasib, Hydraulics
González Ramírez, Luis, Building
Hernández Hernández, J. Jesús, Hydraulics and Applied Mechanics
Herrera Marmolejo, Luis, Roads
Jaramillo García, Sergio, Thermic Engineering
Larios González, Carlos, Applied Mechanics
Luna, Valadez, Armando, Electrical Engineering
Martínez Torres, Jorge, Mathematics
Nuñez Farías, Francisco, Physics
Peña Estensor, Pablo, Mathematics
Raigoza Cornejo, J. Jesús, Draughtmanship
Ramírez Fonseca, Hugo, Sanitary Engineering
Rodríguez Puga, Miguel, English
Sainz Jiménez, Francisco, Building
Ugarte Vizcaíno, Luis, Ports and Waterways
Vargas, Juan de Dios, Building Stability, Structure of Wood and Metals, Bridges

Mechanical and Electrical Engineering:
Aguilera de la Mora, Javier, Applied Mechanics
Arámbula Espinosa, Ramón, Mathematics, Practical Calculus and Mechanical Technology
Ascencio González, Jaime, Physics
Chávez Gudiño, Víctor M., Accountancy
Christainicke, Hans, Electrical Machinery and Generators
Dávila Camacho, Alfredo, Geometry and Machine Tools
García Brito, Adalberto, Topography
Hernández, Honorio, Machine Tools
Hernández Hernández, J. Jesús, Applied Mechanics
Jaramillo García, Sergio, Fluid Mechanics and Thermic Engineering
Luna Valadez, Armando, Electrical Communications
Maisterra, Rodolfo, Electric Circuits
Martínez Torres, Jorge, Algebra
Navarrete Madrigal, Martín, Draughtsmanship
Núñez Farías, Francisco, Physics
Rodríguez Puga, Miguel, English
Romero Ornelas, Felipe de Jesús, Hydraulic Machines
Trujillo del Río, Juan J., Mechanical Technology and Workshop Planning
Vargas, Juan de Dios, Resistance of Materials

Faculty of Architecture:
Amezcua S., José L., Resistance of Materials
Arámbula Espinosa, Ramón, Mathematics
Barreda Méndez, Alfredo, Draughtsmanship
Barreda Núñez, Eugenio, History of Architecture
Camarena, Francisco, History of Architecture and Planning
Dávila Camacho, Alfredo, Statics
de la Torre y Rizo, Guillermo, History of Architecture and Town Planning
Garza Ugalde, Carlos E., History of Architecture
Madonado Hernández, Leopoldo, Planning Workshop
Núñez Farías, Francisco, Resistance of Materials
Raigoza Cornejo, J. Jesús, Works Administration
Ramírez Sotomayor, Jorge, Introduction to History of Architecture and Town Planning

Faculty of Odontology:
Aguirre C., Rubén, Histology and Embryology
Aguirre Fernández, Isaac, Dental Practice, Exodonty
Aguirre, Lozano, José, Clinical Dentistry
Caballero Espinosa, Roberto, Human Anatomy
De la Torre, José, Radiology
De Silva B., Alfonso, Odontology
Farías M., Guillermo, Microbiology
Flores Méndez, Antonio, Prosthodontics
Garay, Jorge, Human Anatomy and Dissection
González N., Luis, Public Hygiene, Preventive Odontology
Guízar Quintero, Soledad, Odontology
Hermosillo Hernández, Salvador, Human Physiology
Keith, E. J., Prosthodontics
Mendiola Gómez, Jaime, Microbiology
Moncayo Ruíz, Rafael, Dental Anatomy
Nájar Origel, Ernesto, Prosthodontics
Oceguera N., Carlos, Applied Pharmacology
Preciado Araiza, Javier, Microbiology
Robles Santana, Felipe, Dental Materials
Romero Pérez, José, Applied and Practical Pharmacology
Toussaint, Enrique, Anæsthesia
Uribe Amador, Rafael, Oral Surgery
Valencia Herrera, Prosthodontics
Valencia Zalapa, Alberto, Propædeutics
Valle Gil, Carlos, Anæsthesia
Vázquez Villegas, Vicente, Pathological Anatomy

Faculty of Chemcial Sciences:
Arámbula Espinosa, Ramón, Geometry
Ascencio González, Jaime, Physics
Casillas Vargas, Rodolfo, Mathematics
Cervantes Ceballos, Salvador, Anatomy and Histology
Estrado Reyes, Luis, Mathematics
Gómez Galván, Marcelino, Industrial Hygiene
Guízar Carranza, Jesús, Organic Chemistry
Hermosillo Hernández, Salvador, Physiology, Histology
Ibarra Morales, Francisco, Analysis, Industrial Engineering
Jaramillo García, Sergio, Electrical Engineering
Larios González, Carlos, Physics
Lira García, Miguel A., Chemical Engineering
Lomelí Camarena, Javier, Sugar and Alcohol Technology
López Limón, María Del Consuelo, Mathematics
Mendiola Gómez, Jaime, Bacteriology and Virology and Microbiology
Mestas Terán, Josá A., Inorganic Chemistry
Núñez Farías, Francisco, Physics
Pérez Vargas, Beatriz, Qualitative Chemical Analysis
Ramírez, Yolanda Teresita, Analysis and Bromatology
Ruíz Velasco, María G., Inorganic Chemical Pharmacy
Sánchez Llaguño, Juan E., Mathematics
Santoscoy Gómez, Guillermo, Parasitology
Soto Rizo, María del Refugio, Botany, Forensic Chemistry, Pharmacy
Trujillo Del Río, Juan, Physics
Valdivia Huerta, Jesús, Analysis

Faculty of Law:
Bauche Garciadiego, Mario, Mercantile Law
Campirano D., Abel M., Roman Law
Cardona Arias, Juan J., Sociology
Dávalos Herrera, Humberto, Sociology
García García, Lorenzo, Mercantile Law
García Ordaz, Francisco, International Private Law
Garibi H., Alberto, Civil Law
González Ballescá, Guillermo, Penal Procedure
Guerrero Díaz, Fabian, International Public Law
Hernández Ornelas, Guillermo, Administrative Law
Hernández Valle, Luis, Guarantees and Protection
Krauss, Coronel, Eduardo, Administrative Law
López Valdivia, Rigoberto, State Theory
Magaña Coss y León, Alfonso, Civil Procedural Law
Martínez Negrete, Lorenzo, Civil Law
Morales Castro, Mario, Penal Law
Pérez Gómez, Humberto, Civil Law
Pérez Vizcaíno, Carlos, Introduction to the Structure of Law
Reynoso R., Salvador, Roman Law
Rivas Alcalá, Raúl, Criminal Law
Rivas Salmón, Alfonso, Agrarian Law
Rizo Cubillo, Jesús, Philosophy of Law
Sotomayor R., Miguel, Constitutional Law
Valencia G., Juan M., Labour Law

Faculty of Commerce and Administration:
Alonso R., Roberto, Special Accountancy
Ayón Alvizo, Alfonso, Taxation and Industrial Accountancy
Campirano Palencia, Abel, Labour Law
Cardona Arias, Juan J., Sociology, Constitutional and Administrative Law
Chávez, Heriberto, Commercial and Administrative Practices
Chávez Gudiño, Víctor M., History of Commerce, Auditing, Business Administration
Cortés Díaz, Aurelio, Administrative Law
Escobedo A., Salvador, Fiscal Law
García de Quevedo, Carlos E., Introduction to Law, Civil and Mercantile Law
García Ramírez, Carlos, Company Accounts
Gómez Gil, José M., Business Administration
González Cabral, Gregorio, Industrial Sociology
Gudiño, Santana, Marciano, Accountancy
Jiménez Q., Ramón, Industrial Costings
Lazcano Espinosa, Enrique, Economics
Reynoso R., Salvador, Introduction to the Study of Law, Civil Law
Ruiz Jaúregui, Alberto, Commerce

SAUCEDO, RUBÉN, Mechanical Accounts Systems
SORIA M., VÍCTOR, Special Accountancy
TRUJILLO DEL RIO, JUAN J., Financial Mathematics
VELASCO SEDANO, ABEL, Insurance Accounts
VILLARUEL, ALEJANDRO, Seminar

School of Nursing:
ACEVES MÚÑOZ, IGNACIO, Cytology and Human Anatomy
GUILLÉN ROMERO, ROSA MARÍA, Introduction to Nursing
HERMOSILLO HERNÁNDEZ, SALVADOR, Physiology and Biochemistry
IBARRA GUERRERO, RAQUEL, Propædeutics and Nursing
MARTÍNEZ SANDOVAL, LIDYA, Propædeutics and Nursing
MENDIOLA GÓMEZ, JÁIME, Microbiology and Parasitology
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SALAS GARCÍA, RAÚL, Introduction to Nursing

UNIVERSIDAD DE GUANAJUATO

L. DE RETANA No. 5, GUANAJUATO

Telephone: 96.

Founded 1732.

During the Colonial period the University was known as Colegio de la Purísima Concepción; changed in 1928 to Colegio del Estado; present name 1945.

Rector: DANIEL CHOWELL CÁZARES.
Secretary: EDUARDO CRUCES S.
Librarian: Lic. MANUEL DE EZCURDIA.

Library: 45,382 volumes.
Number of teachers: 740.
Number of students: 3,100.

DIRECTORS:

School of Law: Lic. EUGENIO TRUEBA OLIVARES.
School of Civil Engineering: SALVADOR YÁNEZ.
School of Chemistry and Pharmacy: Q. F. B. RANULFO LOBATO.
School of Economics and Commerce: Prof. WILFRIDO LARA.
School of Nursing and Obstetrics: Dr. ARTURO ACOSTA.
School of Mining Engineering: Ing. TIBURCIO ALVAREZ.
School of Topography and Hydraulics: Ing. MIGUEL IZAGUIRRE.
School of Architecture: Arq. VÍCTOR MANUEL VILLEGAS.
Schools of Mechanics and Electricity (Salamanca, Guanajuato): Ing. HORACIO IRETA.
Schools of Medicine (Léon, Guanajuato): Dr. JOSÉ PEDRO GAMA CARPIO.
School of Philosophy and Letters: Prof. ERNESTO SCHEFFLER.
School of Economics and Commerce (Celaya): C. P. JAVIER VARELA CAMPOS.
Schools of Nursing and Obstetrics (Léon, Guanajuato): Dr. JOSÉ PEDRO GAMA CARPIO.
Schools of Nursing and Obstetrics (Celayo, Guanajuato): Dr. RUBÉN MEDINA.
Academy of Dramatic Art: Lic. ENRIQUE RUELAS.
Academy of Plastic Arts: J. JESÚS GALLARDO.
Academy of Music: Lic. JOSÉ RODRÍGUEZ F.

PROFESSORS:

School of Law:
ARANDA TORRES, RAÚL, Civil Law
CADENA, FÉLIX, Legal Practice
CARDONA, JESÚS, Administrative Law
CHOWELL, DANIEL, Administrative and Mercantile Law
FRANCO, JOSÉ J., Forensic Medicine
GALLO, BENJAMIN, Roman Law and Private International Law
GUTIÉRREZ, AGUSTÍN, Civil Law
HERNÁNDEZ, JOSÉ, Penal Law
IBARGÜENGOITAI, JOSÉ L., Political Economy, History of Political Doctrines
LOMELÍ, ANTONIO, General Theory of State
LUNA GUZMÁN, JESÚS, Penal Law
OLIVARES C., ARMANDO, Philosophy of Law, Forensic Practice
ORTÍZ, PEDRO F., Civil Procedural Law
PUGA, GABINO, Agrarian Law
RENDÓN, SERGIO, Sociology
REYES RETANA, IGNACIO, Civil Procedural Law
SÁNCHEZ, MARGARITO, Roman Law, Labour Law and Industrial Legislation
TRUEBA O., EUGENIO, Theory of Law
VARGAS, MARIO, Constitutional Law and Security
VILLASEÑOR A., JESÚS, Public International Law, Mercantile Law
VIRAMONTES, SALVADOR, Penal Procedure

School of Civil Engineering:
ARANDA U., MANUEL, Drawing, Construction, Ports and Rivers
GUZMÁN C., JOSÉ, Algebra, Vectorial Calculus, Soil Testing
OCHOA, ROBERTO, Geology, Roads, Strength of Materials
RIVA P., EDMUNDO, Geometry, Bridges, Testing of Materials
YÁÑEZ C., SALVADOR, Topography, Hydraulics

School of Chemistry and Pharmacy:
BERNAL SAHAGÚN, ALFONSO, Inorganic Chemistry
CARRASCO, CARMEN, Acyclis and Cyclic Organic Chemistry, Pharmacodynamics
CERVANTES, AURORA J. DE, Galenic Pharmacy
CERVANTES, LUIS, Biochemistry, Immunology
GARCÍA, AMPARO, Commercial Pharmacy and Sanitary Legislation
GÓMEZ, EFRAÍN, Inorganic Chemistry, Biostatistics, Bromatological Analysis
LOBATO, RANULFO, Comparative Anatomy, Physiology, Hygiene, Hæmatology
LÓPEZ, ARMANDO C., Technical Physics, Quantitative Analysis
LÓPEZ, WENCESLAO, Physics, Chemistry, Thermodynamics, Optics, Acoustics
NIETO V., ANDRÉS, Industrial Drawing
NIETO V., RAFAEL, Industrial Microbiology, Clinical Analysis, Pharmacography, Immunology
PÉREZ CANCIO, ENRIQUE, Qualitative Chemical Analysis, Electricity and Magnetism, Electrochemistry
PRADO, LUZ M., Botany and Vegetal Drugs
SIERRA, EVANGELINA V. DE, Pharmaceutical Practice
TOWNSEND, MANUELA, Quantitative Chemical Analysis, Forensic Chemistry and Toxiciology

School of Economics and Commerce:
CABALLERO, EUGENIO, Mathematics and Algebra
CADENA, FÉLIX, Logic and Ethics
CARRASCO, JUAN M., Mercantile Mathematics
CASTAÑÓN, MANUEL, Mercantile Law and Legislation
CRUCES, EDUARDO, Spanish
GARCÍA LOPEZ, PABLO, English
GARCÍA, RAQUEL, Banking, Commercial Practice and Accountancy
HERNÁNDEZ DE LUNA, CARMEN, Shorthand-Typing
LARA, WILFRIDO, Industrial and Mercantile Accountancy
LAROIS, ARTURO, Calligraphy
MALO, FÉLIX, Commercial Accountancy
PRADO, JUAN J., Fiscal Legislation, Industrial Law
PUGA, GABINO, Economic and Social Geography
REYES, RETANA, IGNACIO, Political Economy and Legislation
RIVERA M., JOSÉ, Algebra and Mathematics
RUÍZ BARBA, IRMA, Commercial Documentation and Correspondence
SIERRA, ARTURO, Spanish
SILVA, VIDAL, English
SOCORRO ARELLANO, J., English
VILLANUEFA, SOLEDAD V. DE, Shorthand

School of Nursing and Obstetrics:
FRANCO, JOSÉ J., Physical Medicine
HERNÁNDEZ, DANIEL DE J., Anatomy and Physiology
ILLADES, EUGENIO, Infirmary Practice, Gynæcology
LÓPEZ, MIGUEL A., Botany and Zoology
MALO, BLANCA, Laboratory Practice
MARTÍNEZ PÉREZ, RAFAEL, Obstetrics, Clinical Semeiology
SÁNCHEZ LIRA, EDUARDO, Bacteriology, Parasitology, Pædiatrics, Deontology
TORRES, ROBERTO, Pharmacodynamics, Medical Chemistry, Biology, Hygiene, Biostatistics and Gynæcology

School of Mining Engineering:
ALVAREZ, TIBURCIO, Geophysics, Mine Development and Security Methods
OJEDA, JOSÉ, Topography, Descriptive Geometry, Drawing
RIVERA, GUSTAVO, Topography, Metallurgy, Thermal Machinery
SÁNCHEZ, JAVIER, Mineralogy, Stability, Analytical Chemistry
VILLASEÑOR, EDUARDO, Geology, Palæontology, Petrography, Mineralogy

UNIVERSIDAD AUTÓNOMA DE GUERRERO

CHILPANCINGO, GUERRERO

Rector: VIRGILIO GÓMEZ MOHARRO.
General Secretary: Lic. RUBÉN JAIME PALACIOS.
Treasurer: IRMA DELAGDO ASTUDILLO.
Librarian: Lic. ISAAC PINA PÉREZ.
School of Pedagogy: Prof. NARNO ARCOS TAQUILLO.
School of Sciences: Biol. AMIN ZARUR MENEZ.
School of Engineering: Ing. MANUEL REINOSO TELLEZ.
School of Agronomy and Zootechnics: Ing. Agr. JOSÉ MIGUEL PERALTO DEL CASTILLO.
School of Nursing and Obstetrics: Dr. PABLO SANDOVAL CRUZ.

UNIVERSIDAD AUTÓNOMA DE HIDALGO

PACHUCA, HIDALGO

Rector: Lic. JUVENTINO PÉREZ PEÑAFIEL.

UNIVERSIDAD IBEROAMERICANA

AV. CERRO DE LAS TORRES 395, MEXICO 21, D.F.

Telephone: 49-35-00.

Founded 1942.

Rector: Lic. F. XAVIER MESA.
Registrar: Lic. JUAN PALAFOX.
Librarian: Lic. ROBERTO CRUZ.

Number of teachers: 526.
Number of students: 4,000.
Publication: *Gaceta U.I.A.*

DEANS:

Faculty of Philosophy: MIGUEL VILLORO T.
Faculty of Letters: HÉCTOR GONZÁLEZ U.
Faculty of Architecture: HONORATO CARRASCO.
Faculty of Law: Dr. MANUEL BORJA SORIANO.
Faculty of Mechanical and Electrical Engineering: Dr. CARLOS HERNÁNDEZ PRIETO.

The university also includes faculties for the following subjects: Business Administration, Ethnic History, Linguistics and Social Anthropology, Cinematographic Culture, Philosophy, Communications, History, History of Art, Spanish Letters, Psychology, Chemistry, Industrial Relations.

UNIVERSIDAD INTERAMERICANA, A.C.

APDO. 255, SALTILLO, COAH

President: MARÍA DEL REFUGIO GALINDO.
Director of Admissions and Registrar: DAVID MARTIN.
Librarian: MARÍA CRISTINA RODRÍGUEZ.

DEANS:

Graduate Division: ALEJANDRO DE LA PEÑA.
College of Arts and Sciences: ENRIQUE OLLIVIER.
Dean of the Faculty: ELISEO TORRES G.

UNIVERSIDAD "JUÁREZ" DEL ESTADO DE DURANGO

DURANGO, DURANGO

Founded 1964.

Rector: Lic. ANGEL RORDÍGUEZ S.

UNIVERSIDAD LABASTIDA

AVDA. SAN PEDRO COLONIA DEL VALLE, APDO. 54, MONTERREY, N.L.

Founded 1964.

Rector: Dr. MIGUEL VERA M.

UNIVERSIDAD LA SALLE

AVDA. FRANKLIN 47, MEXICO, D.F.

Founded 1964.

Rector: Dr. MANUEL DE JESÚS ALVAREZ CAMPOS.

UNIVERSIDAD MICHOACANA DE SAN NICOLÁS DE HIDALGO

OCAMPO 351, MORELIA, MICHOACAN

Founded as a University in 1917, although classes had been previously established in different parts of the city, and San Nicolás College founded as early as 1541.

Rector: Lic. ALBERTO BREMAUNTZ MARTÍNEZ.
Secretary-General: Prof. ALFONSO ESPITIA HUERTA.
Director of Library: Prof. RAMÓN MARTÍNEZ OCARANZA.

Biblioteca Pública y Universitaria (*Public and University Library*): 25,000 volumes.

Publications: *Letras Nicolaitas, Universidad Michoacana, La Espiga y el Laurel, Revista de Derecho* (twice monthly), *El Nicolaita* (monthly); Editor EZEQUIEL CALDERÓN GÓMEZ.

DEANS:

Faculty of Medicine: Dr. ESTEBAN FIGUEROA.
Faculty of Law: Lic. BONIFACIO YRIGOYEN.
Faculty of Engineering: Ing. ALFREDO OCHOA CERVANTES.
Faculty of Odontology: (Vacant).
San Nicolás College: Governor: Lic. JESÚS AGUILAR FERREIRA.
Schools of Commerce and Fine Arts: (Vacant).

UNIVERSIDAD MONFERRANT

MELESIO MORALES 10, COLONIA GUADELUPE INN, MEXICO, D.F.

Founded 1964.

Rector: MARÍA DEL ROSARIO GAXIOLA.

UNIVERSIDAD DE MORELOS

AVENIDA MORELOS 224, CUERNAVACA, MORELOS

Founded 1939.

Rector: Lic. TEODORO LAVÍN GONZALEZ.
Secretary-General: Lic. OSWALDO PERALTA GARCÍA.

There are departments of Architecture, Chemistry, Law, Teacher Training, Nursing and Midwifery, Textile Engineering.

Number of students: approx. 2,000.

UNIVERSIDAD MOTOLINIA

AMEYALCO, OBREGON Y MAGDALENA, MEXICO 12, D.F.

Founded 1964.

Director-General: DOLORES ECHEVERRÍA.

UNIVERSIDAD DE NUEVA LEÓN

MONTERREY, NUEVO LEÓN

Telephone: 3-87-46.

Founded 1933.

Rector: Lic. EDUARDO A. ELIZONDO.
Secretary: Lic. BERNADINO OLIVEROS DE LA TORRE.
Registrar: Lic. VICENTE REYES A.
Treasurer: Sr. DELFINO DE LA GARZA.
Librarian: JOSÉ ANGEL RENDÓN.

Number of teachers: 953.
Number of students: 13,180.

Publications: *Armas y Letras* (quarterly), *Interfolia—Biblioteca Universitaria "Alfonso Reyes"* (monthly), *Humanitas* (annually) and *Boletín* of Institute of Economic Research (bimonthly).

DIRECTORS OF FACULTIES:

Faculty of Medicine: Dr. DANTE DECANINI.
Faculty of Dentistry: Dr. MARIO BOTELLO GARCÍA.
Faculty of Chemistry: Dr. RAMIRO GUTIÉRREZ FLORES.
Faculty of Engineering: GONZALO OCAÑAS DOMÍNGUEZ.
Faculty of Mechanical Engineering: Lic. e Ing. NICOLÁS TREVIÑO.
Faculty of Commerce and Business Administration: VÍCTOR GÓMEZ GARZA, C.P.
Faculty of Law and Social Sciences: Lic. ALFREDO DE LA TORRE.
Faculty of Architecture: Arq. LUIS EDMUNDO CARRILLO VALDEZ.
Faculty of Philosophy, Science and Letters: Dr. AGUSTÍN BASAVE FERNÁNDEZ DEL VALLE.
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Faculty of Economics: Ing. ELADIO SAÉNZ QUIROGA.
Faculty of Mathematics and Physics: Ing. RAFAEL SERNA TREVIÑO.

SELECTED AFFILIATED INSTITUTES AND SCHOOLS:

Escuela de Enfermeria y Obstetricia (*School of Nursing and Obstetrics*).
Director: Dr. NICANDRO DÍAZ OROPEZA.

Escuela Normal de Música (*School of Music*).
Director: Profa. ALICIA GONZÁLEZ DE FERNÁNDEZ.

Instituto de Investigaciones Cientificas (*Institute of Scientific Research*).
Director: Ing. Dr. HÉCTOR MENCHACA.

Escuela de Laboratoristas Clinico Biólogos (*School for Clinical Biological Laboratory Technicians*).
Director: Dr. DANTE DECANINI.

Departamento de Extensión Universitaria (*Department of Extra-curricular Activities*).
Head: Dra. AURORA MORENO.

Escuela de Trabajo Social (*School of Social Work*).
Director: Dr. JORGE OBREGÓN DE LA PARRA.

Escuela de Ciencias Biológicas (*School of Biological Sciences*).
Director: JORGE S. MARROQUÍN DE LA FUENTE.

Escuela Industrial y de Preparación Técnica "Alvaro Obregón" (*Industrial and Technical School*).
Director: Ing. ANTONIO CABALLERO MACÍAS.

Escuela Industrial Femenina "Pablo Livas" (*Women's Home Economics School*).
Director: Profa. GUADALUPE VILLARREAL M.

Centro de Investigaciones Económicas (*Institute of Economic Research*).
Director: Lic. EDUARDO L. SUÁREZ.

Centro de Estudios Latino-americanos (*Centre for Latin American Studies*).
Director: JOSÉ ALVARADO.

UNIVERSIDAD "BENITO JUÁREZ" DE OAXACA

APDO. 76, OAXACA, OAX.

Telephone: 38-70.

Founded 1827.

Rector: Lic. FERNANDO GÓMEZ SANDOVAL.
Secretary: MANUEL CASTRO RIVADENEYRA.
Treasurer: CARLOS CAVERO HERNÁNDEZ, C.P.T.
Librarian: JORGE FERNANDO ITURRIBARRIA.

Number of teachers: 185.
Number of students: 3,075.
Publications: *Oaxaca en la Historia, La Generación Oaxaquena del 57.*
Schools: Commerce, Jurisprudence, Pharmacy, Medicine, Nursing and Obstetrics, Fine Arts, Architecture.

DIRECTORS:

School of Commerce: Lic. ALBERTO CANSECO RUIZ.
School of Jurisprudence: Lic. ESTEBAN SILVA Y ESCOBAR.
School of Pharmacy: Dr. ELOY PÉREZ DÍAZ.
School of Medicine, Nursing and Obstetrics: Dr. MANUEL CANSECO LANDERO.
School of Fine Arts: Lic. JOSÉ MARÍA YÁÑEZ.
School of Architecture: Arq. FRANCISCO CALDERÓN FLORES.

PROFESSORS:

School of Commerce:
CANSECO RUIZ, Lic. ALBERTO
School of Jurisprudence:
SILVA Y ESCOBAR, Lic. ESTABAN
School of Pharmacy:
PÉREZ DÍAZ, Dr. ELOY
School of Medicine, Nursing and Obstetrics:
ARENAS R., Dr. WENCESLAO, Medicine
GALINDO, Dr. FERNANDO, Medicine
ORTIZ ARMENGOL, Dr. FEDERICO, Medicine
School of Fine Arts:
AGUIRRE ARROYO, Srta. ROSALIA, Painting
DE ARENAS, Sra. CONCEPCIÓN G., Music and Singing
RÍOS VALENCIA, VÍCTOR, Drawing
YÁÑEZ, Lic. JOSE M., Plastic Arts
School of Architecture:
CALDERÓN FLORES, Arq. FRANCISCO, Architecture
RUIZ CAMINO, Arq. MARTIN, Architecture
ZAIN, Arq. HASSAN, Architecture

UNIVERSIDAD AUTÓNOMA DE PUEBLA

PUEBLA, PUE.

Founded 1937.

Rector: Dr. MANUEL LARA Y PARRA.
Secretary-General: Lic. ISAURO GONZÁLEZ HENDEZ.
Treasurer: C.P.T. PEDRO SALAZAR BENÍTEZ.
Director of Biblioteca "Lafragua" and Hemeroteca "Juan N. Troncoso": Prof. FLORENCIO CARRILLO Y ALVAREZ.

DIRECTORS:

Faculty of Medicine: Dr. ROBERTO LARRAGOITI.
Faculty of Odontology: Dr. JESÚS LARA Y PARRA.
Faculty of Business Administration: Lic. MANUEL RODRÍGUEZ CONCHA.
Faculty of Chemical Engineering: Ing. GUILLERMO CAMARGO.
Faculty of Physics and Mathematics: Ing. JOAQUÍN ANCONA ALBERTOS.
Faculty of Nursing and Obstetrics: Dr. ALICIA ARROYO.
Faculty of Law: Lic. PABLO SOLIS CARRILLO.
Faculty of Economics: C.P.T. GUSTAVO RIVERO SALGADO.
Faculty of Civil Engineering: Ing. ENRIQUE ALLENDE.
Faculty of Architecture: Ing. ENRIQUE ESTRADA CUESTRA.
Faculty of Chemistry: Quim. ROBERTO SUÁREZ SOTO.
Preparatory School (Day): Lic. MIGUEL MARÍN HIRSMANN.
Preparatory School (Evening): Ing. OCTAVIO SÁNCHEZ JIMÉNEZ.

UNIVERSIDAD DE QUERÉTARO

AVE. 16 DE SEPTIEMBRE 65, QUERÉTARO

Founded 1765.

Rector: Lic. ALBERTO MACEDO RIVAS.
Secretary-General: MANUEL MONTES COLLANTES.

There are Faculties of Law, Engineering, Commerce, Chemistry, Music and Dramatic Art, Fine Arts, Schools of Nursing and Midwifery, a Meteorological Institute and Observatory.

Number of staff: 284.
Number of students: 999.

UNIVERSIDAD AUTÓNOMA DE SAN LUIS POTOSÍ

AV. OBREGÓN 64, SAN LUIS POTOSÍ

Founded 1826 as Instituto Cientifico y Literario.

Rector: Lic. GUILLERMO MEDINA DE LOS SANTOS.
Secretary-General: GUILLERMO MEDINA DE LOS SANTOS.

The Library contains 30,000 volumes
Number of teachers: 180, including 90 professors.
Number of students: 1,500.

DEANS:

Faculty of Medicine: Dr. GUSTAVO FLORES.
Faculty of Law: Lic. MELCHOR VERA.
Faculty of Chemical Sciences: Ing. ANDRÉS ACOSTA.
Faculty of Odontology: Dr. RODOLFO MARTÍNEZ LAVÍN.
Faculty of Engineering: Ing. ALBERTO LÓPEZ ZAMORA.

UNIVERSIDAD FEMININA DE PUEBLA

4 NORTE 6, PUEBLA, PUEBLA

Founded 1964.

Rector: YOLANDA VILLEGAS C.

UNIVERSIDAD DE SINALOA

CULIACAN, SIN.

Founded 1873.

Rector: Dr. JULIO IBARRA U.
Secretary-General: FRANCISCO GIL LEYVA.
Director of the Museum and Library: RAÚL FRANCO BARREDA.

The University incorporates Faculties of Commerce and Business Administration, Chemistry and Biology, Law and Social Science, Mathematics and Physics, Economics, and a School of Nursing and Midwifery.

UNIVERSIDAD DE SONORA

HERMOSILLO, SONORA

Charter granted 1938; opened and officially inaugurated October 1942.

Rector: Dr. MOISÉS CANALE R.
Secretary: Prof. ROSALÍO E. MORENO.
Librarian: FERNANDO PESQUIERA.

The Library contains 6,050 volumes.
Number of students: 1,745 men, 629 women, total 2,374.
Publications: *Anuario, Revista.*

DIRECTORS:

Preparatory School: Prof. ERNESTO SALAZAR GIRÓN.
School of Nursing: Dr. ABEL HERNÁNDEZ AGUIRRE.
School of Agriculture and Cattle-Breeding: ANTONIO MEDINA HAYOS.
Faculty of Commerce and Administration: AGUSTÍN CABALLERO WARIO.
Faculty of Law and Social Sciences: Lic. ALFONSO CASTELLANOS IDIÁQUEZ.
Faculty of Chemistry: GABRIEL CASTAÑEDA TORRES.
Faculty of Engineering: Ing. ARTURO DELGADO.

UNIVERSIDAD "JUÁREZ" DE TABASCO

VILLAHERMOSA, TABASCO

Rector: Dr. MIGUEL GÓMEZ VENTURA.
Secretary-General: JUAN MALDONADO PEREDA.

UNIVERSIDAD DE TAMAULIPAS

CIUDAD VICTORIA, TAMPS.

Rector: Lic. NATIVIDAD GARZA LEAL.
Secretary-General: RAÚL GUTIÉRREZ CERDA.

UNIVERSIDAD VERACRUZANA

JALAPA, VER.

Founded 1944.

Rector: Lic. FERNANDO GARCÍA BARNA.
Secretary-General: Lic. VÍCTOR MANUEL HERNÁNDEZ FLORES.

The University Council is composed of the following members: the Rector and Secretary-General of the University, the Directors of Faculties and Institutes (*ex-officio* members), a Professor from each Faculty (elected member) and a Student from each Faculty (elected member).

DIRECTORS:

Faculty of Law (Jalapa): Lic. RÓMULO CAMPILLO REYNAUD.
Faculty of Commerce (Jalapa): C.P.T. ELOY PÉREZ ROMERO.
Faculty of Fine Arts (Jalapa): Prof. FERNANDO LOMÁN.
Faculty of Pedagogy (Jalapa): Lic. CARLOS M. VARGAS.
Faculty of Architecture (Jalapa): Arq. ALBERTO MENDOZA.
Faculty of Odontology (Veracruz): Dr. MOISÉS QUIROGA.
Faculty of Medicine (Veracruz): Dr. HORACIO DÍAZ C.
Faculty of Journalism (Veracruz): FÉLIX DE MARTÍNEZ.
Faculty of Veterinary Medicine (Veracruz): Dr. JESUS TAVIZÓN.
Faculty of Engineering (Veracruz): Ing. ERNESTO DOMÍNGUEZ.
Faculty of Chemistry (Orizaba): MANUEL ORNELAS.
Faculty of Philosophy and Letters (Jalapa): Lic. FERNANDO SALMERÓN.
Institute of Anthropology (Jalapa): Arq. ALFONSO MEDELLÍN Z.
Institute of Sugar Technology (Cosamaloapán): Ing. JUSTO R. OJEDA.
Institute of Science: Ing. MIGUEL A. BARBARENA.

UNIVERSIDAD DE YUCATÁN

APDO. 415, MERIDA, YUC.

Founded 1922.

Rector: Dr. FRANCISCO REPETTO MILÁN.
Secretary-General: Dr. JAIME OROSA DÍAZ.
Librarian: Dr. RODOLFO RUZ MENÉNDEZ.

The Central Library has 16,340 volumes and 6,829 periodicals, reviews, etc. Specialised libraries are attached to the Faculties of Medicine, Jurisprudence, Engineering and Chemistry.

Number of teachers: 148.

Number of students: 2,231.

Publication: *Revista de la Universidad de Yucatán.*

DIRECTORS OF FACULTIES AND SCHOOLS:

Faculty of Medicine: Dr. PEDRO CÁMARA MILÁN.
A School of Nursing is affiliated to the Faculty.
Faculty of Jurisprudence: Dr. MANUEL EVIA CERVERA.
Faculty of Chemistry: Quim. Farm. ALFREDO ORTEGA MALDONADO.
Faculty of Odontology: Dr. JUAN H. VILLAMIL MENDOZA.
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PROFESSORS:

Faculty of Medicine:
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BASTERIS PÉREZ, JORGE, Human Physiology
CABAÑAS ROSADO, JOSÉ DEL C., Pædiatrics
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CÁMARA Y CÁMARA, FERNANDO, Anatomy
CÁMARA MILAN, PEDRO, Surgical Pathology
CAPETILLO LOSA, MIGUEL, Physics
CARDEÑA, CERVANTES ANTONIO, Medical Chemistry
CÁRDENAS TORRE, RAÚL, Neuropsychiatry
CASARES RENDÓN, GUSTAVO, Cancerology
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CERVERA ANDRADE, ALEJENDRO, Pathology, Physiology
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URZAIZ RODRÍGUEZ, EDUARDO, Neuro-Psychiatry, Obstetrics
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CARRILLO ALONZIO, MIGUEL, Oral Surgery, Exodontics
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HERRERA CASTILLO, SANTIAGO, English
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MARTÍNEZ REPETTO, MARCELO, Anæsthetics
MUGARTE CHAN, CANDELARIA, Clinical Dentistry
ORTEGA MALDONADO, ALFREDO, Biology
ORTEGA MALDONADO, ROGERIO, Prosthetic Materials
ROMERO CAMPOS, FERNANDO, Human Anatomy
TRUJILLO GÓMEZ, MARÍA T., Parasitology, Bacteriology, Physical Chemistry
URZAIZ JIMÉNEZ, FERNANDO, Exodontics Prosthetics Dentistry
VILLAMIL MENDOZA, JUAN H., Exodontics, Prosthetic Dentistry

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CARDEÑA CERVANTES, ANTONIO, Medical Chemistry
CETINA ROSADO, RAÚL, Mathematics
ESCALANTE RUZ, FELIPE, History of Chemistry, Biochemistry
MÉNDEZ MIRANDA, ALONSO, Toxicology, Pharmaceutical Legislation
PENICHE ALCOCER, ELOY, Quantitative Analytical Chemistry, Mineralogy, Geology
PINTO ARANDA, HUMBERTO, Bacteriology, Parasitology

SANSORES MANZABILLA, ALONSO Z., Pharmaceutical Chemistry, Physiochemistry, Biology
TAPPAN RAMÍREZ, ALFREDO, English
VALLEJOS FAJARDO, CORNELIO, Industrial Chemistry, Pharmacognosy
VEGA CERVERA, MANUEL J., Analytical Chemistry

Faculty of Jurisprudence:
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CANTO LÓPEZ, CARLOS, Penal Procedure
CANTO ROSAS, FRANCISCO, Labour Law Procedure
ESQUIVEL MEDINA, HERNÁN, Constitutional Guarantees and *Amparo*
GALERO GARMA, FRANCISCO, Labour Law
GARCÍA ESQUIVEL, ERMILO, Logic, Political Economy
JIMÉNEZ TRAVA, ANTONIO, Introduction to the Study of Law, English
LÓPEZ RODRÍGUEZ, JOSÉ A., Civil Procedure, Philosophy of Law
LÓPEZ RIVAS, NICOLÁS, Civil Law
MENÉNDEZ MENA, CONRADO, Forensic Medicine
MOLINA GARCÍA, ALBERTO, Mercantile Law
ROSADO ESPÍNOLA, HUMBERTO, Penal Law
SOLÍS AZNAR, PEDRO, International Law
SOLÍS AZNAR, VICENTE, Agrarian Law
VALLADO PENICHE, RAÚL, Political Economy, Professional Ethics
VILLAMIL CASTILLO, FELIPE, Roman Law

School of Nursing:
GÓNGORA TRIAY, HUMBERTO, Obstetrics, Child Health
PENICHE CASTELLANOS, ANTONIO, Pathology, Therapeutics, Pharmacology
VADILLO ACOSTA, MAXIMILIANO, Human Anatomy and Physiology, Hygiene

COLLEGES

Mexico City

EL COLEGIO DE MEXICO

GUANAJUATO 125, MEXICO 7, D.F.
Telephone: 28-68-61.

Founded 1940.

President: Dr. SILVIO ZAVALA.
Secretary: LUIS MURO ARIAS.
Librarian: Sra. SUSANA URIBE.

Library: 40,000 volumes.
Number of teachers: 30.
Number of students: 140.
Publications: *Nueva Revista de Filología Hispánica, Historia Mexicana, Foro Internacional.*

DIRECTORS:

Centre of Historical Studies: Prof. LUIS GONZÁLEZ GONZÁLEZ.
Centre of Linguistic and Literary Studies: Prof. ANTONIO ALATORRE.
Centre of International Studies: Lic. MARIO OJEDA GÓMEZ.
Centre of Economic and Demographic Studies (Research Programme): Prof. VICTOR L. URQUIDI.
Co-ordination of Oriental Studies: Prof. GRACIELA DE LA LAMA DE GONZALEZ TEJADA.

EL COLEGIO NACIONAL
(The National College)

LUIS GONZÁLEZ OBREGÓN 23, MEXICO 1, D.F.

Founded 1943 by the Government for the dissemination of national culture.

Library of 15,000 volumes.
Number of members: 19.
Publication: *Memoria* (annually).

MEMBERS:

ADEM, Dr. JOSÉ, Mathematics
CASO, Dr. ALFONSO, Archæology
CASTRO LEAL, Dr. ANTONIO, Literature
CHÁVEZ, CARLOS, Music
CHÁVEZ, Dr. IGNACIO, Medicine
COSÍO VILLEGAS, Dr. DANIEL, History
GARCÍA MAYNEZ, Dr. EDUARDO, Philosophy
GÓMEZ ROBLEDO, ANTONIO, Law and Philosophy
GONZÁLEZ GUZMÁN, Dr. IGNACIO, Medicine
HARO, Dr. GUILLERMO, Astronomy
MARTÍNEZ BÁEZ, Dr. MANUEL, Preventive Medicine
ROSENBLUETH, Dr. ARTURO, Physiology
SANDOVAL VALLARTA, Dr. MANUEL, Physics
SILVA HERZOG, Dr. JESÚS, Economics
TORRES BODET, Dr. JAIME, Literature
URQUIDI, Sr. VÍCTOR L., Economics
VILLAGRAN GARCIA, Arq. JOSÉ, Architecture
YÁÑEZ, Lic. AGUSTIN, Literature
ZAVALA, Dr. SILVIO, History

ESCUELA NACIONAL DE ANTROPOLOGÍA E HISTORIA
(National School of Anthropology and History)

MONEDA 16, MEXICO CITY

Founded 1937.

Director: FELIPE MONTEMAYOR, M.C.
Librarian: ANTONIO POMPA Y POMPA.

The Library contains 250,000 volumes.

Number of teachers: 43 professors.
Number of students: 250.
Publications: *Acta Antropológica, Tlatoani, Anuario,* Theses.

PROFESSORS:

ARANA, EVANGELINA, Linguistics
BARBA, BEATRIZ, Ethnology, Archæology
BERNAL, IGNACIO, Archæology
BONFIL, GUILLERMO, Ethnology
BOSCH GIMPERA, PEDRO, Archæology
CÁMARA BARVACHANO, FERNANDO, Ethnology
CARASSO, RAQUEL, Language
DAHLGREN, BARBRO, Ethnology
DÁVALOS HURTADO, EUSEBIO, Physical Anthropology
DAVILA GARIBA, IGNACIO, Philology
ESCOTO ZAYAS, ALEJANDRO, Physical Anthropology
FAULHABER, JOHANNA, Physical Anthropology
GALVIS, GABRIEL, Psychology
GARCES, GUILLERMO, Asiatic History
GARCÍA RUÍZ, ALFONSO, History
HUACUJA, ARMANDO, Philology
JIMÉNEZ MORENO, WIGBERTO, Ethnology, History and Philology
LIZARDI RAMOS, CÉSAR, Mayan Hieroglyphics
LORENZO, JOSÉ L., Archæology
MARGAIN, CARLOS, Archæology
MARQUINA, IGNACIO, Archæology
MARTÍNEZ BECERRIL, CARLOS, Mathematics
MATEOS H., SALVADOR, Archæology
MESA ANDRACA, MANUEL, Ethnology
MESSMACHER, MIGUEL,, Archæology
MIRANDA, JOSÉ, History
MONTEMAYOR, FELIPE, Statistics
MUEDRA, CONCEPCIÓN, History
NOGUERA, EDUARDO, Archæology
NOLASCO, MARGARITA, Ethnology
OLIVÉ, JULIO C., Archæology
PALAFOX, JOSÉ, Linguistics
PIÑA CHÁN, ROMÁN, Archæology
POZAS, RICARDO, Social Anthropology
RAMOS CHOA, ENRIQUETA, Ethnology
ROMANO, ARTURO, Physical Anthropology
ROMERO, MOISÉS, Linguistics
ROMERO MOLINA, JAVIER, Physical Anthropology
SERVIN JOSÉ, History
TORRE, ERNESTO DA LA, History
VIVÓ, JORGE A., Ethnology
WEITLANER, ROBERTO J., Ethnology and Philology

ESCUELA NACIONAL DE BIBLIOTECARIOS Y ARCHIVISTAS
(National School of Librarians and Archivists)

DURANGO 93, MEXICO 7, D.F.

Founded 1945.

Director: Prof. PEDRO ZAMORA.
Associate Director: Prof. PABLO VELÁSQUEZ.
Secretary: Lic. JUAN NOGUEDA.

Library of 3,000 volumes.
Number of teachers: 35.
Publication: *Boletín.*

ESCUELA NACIONAL DE INGENIERIA
(National School of Engineering)

CIUDAD UNIVERSITARIA, MEXICO 20, D.F.

Director: Ing. ANTONIO DOVALÍ JAIME.
Secretary: Prof. HECTOR URIBE MARTÍNEZ.
Head of Teaching Division: Dr. ROGER DÍAZ DE COSSÍO.
Head of Research Division: Dr. EMILIO ROSENBLUETH DEUTSCH.

Number of teachers: 520.
Number of students: 6,800.
Publication: *Ingeniería.*

ESCUELA DE SALUBRIDAD Y ASISTENCIA
(School of Public Health and Welfare)

PROL. CARPIO 470, MEXICO CITY 17

Founded 1922.

Director: Dr. AUGUSTÍN DÍAS ESPARZA.

Graduate Courses in Public Health for doctors, veterinary surgeons, dentists and nurses. Shorter courses for Public Health workers.

Staff: 16 full-time professors and 60 associate professors.
Publication: *Yearbook.*

INSTITUTO NACIONAL DE LA NUTRICIÓN
(National Institute of Nutrition)
CALLE DEL DR. JIMÉNEZ 261, MEXICO CITY
Founded 1946.

Director: Dr. SALVADOR ZUBIRÁN.

Number of teachers: 33.

Number of students: 30-40 post-graduate students, 200 medical students.

The Institute receives patients, undertakes scientific investigation and teaching.

Publication: *Revista de Investigación Clínica.*

INSTITUTO POLITÉCNICO NACIONAL
(National Polytechnic Institute)
PROLONGACIÓN DE LAURO AGUIRRE Y DE CARPIO, COLONIA SANTO TOMÁS, MEXICO CITY
Founded 1936.

Director-General: Dr. GUILLERMO MASSIEU HELGUERA.
Secretary-General: Dr. GUILLERMO FIGUEROA CARDENAS.
Deputy Director—Technical: Ing. LUIS TORRE HAEDO.
Deputy Director—Administrative: ARMANDO CUSPINERA MAILLARD.

Consists of *escuelas prevocacionales* and *escuelas vocacionales o preparatorias técnicas* (providing teaching in general subjects and elementary technical training), *escuelas subprofesionales o de técnicas mediaos* (industrial and commercial courses) and the following professional schools:

Escuela Nacional de Ciencias Biológicas (*National School of Biological Sciences*): f. 1934, inc. 1937; publ. *Boletín.*
Director: Qbp. RENÉ CRAVIOTO BARRERA.
Deputy Director: Bi. ELIESER ZAMARRIPA.

Escuela Superior de Medicina Rural.
Director: Dr. IGNACIO BARRAGÁN.
Deputy Director: Dr. TEODORO BAZÁN SOSA.

Escuela Superior de Comercio y Administración.
Director: C.P.T. ARMANDO CUSPINERA MAILLARD.
Deputy Director: Prof. IGNACIO CERISOLA SALCIDO.

Escuela Superior de Ingenieria Textil.
Director: Ing. ERNESTO MEJÍA LÉON.
Deputy Director: Prof. LUIS BALDERAS VARGAS.

Escuela Superior de Ingenieria Quimica e Industrias Extractivas.
Director: Ing. RAFAEL CHÁVEZ.
Deputy Director: Ing. RAYMUNDO GARCÍA.

Escuela Superior de Economia.
Director: Lic. JORGE ESPINOSA DE LOS REYES.
Deputy Director: Prof. ALFONSO SUÁREZ CABILDO.

Escuela Superior de Ingenieria Mecánica y Eléctrica.
Director: Ing. MARIO CANABAL AZNAR.
Deputy Director: Ing. LUIS OCADIZ.

Escuela Superior de Ingenieria y Arquitectura.
Director: Ing. Arq. JORGE OJEDA.
Deputy Director: Ing. RAÚL ORTIZ FLORES.

Escuela Superior de Física y Matemáticas.
Director: Dr. VÍCTOR FLORES MALDONADO.
Deputy-Director: Ing. ALVAR NOÉ BARRA ZENIL.

Chapingo

ESCUELA NACIONAL DE AGRICULTURA
Founded 1854.

Director: Ing. GILBERTO PALACIOS DE LA ROSA.
Technical Secretary: Ing. FRANCISCO ALCÁNTARA GONZÁLEZ.
Administrative Secretary: Ing. FLAVIO LAZOS CELIS.

Special courses: Agricultural Economics and Industries, Irrigation, Parasitology, Phytotechnics, Forestry, Zootechnics, Soil Science.

The Library contains 80,000 vols.
Number of teachers: 125.
Number of students: 745.

Post-graduate College; f. 1959.
Director: Dr. OSCAR BRAUER HERRERA.
Secretary: Ing. JESÚS MARTÍNEZ REDING.

Special Courses: Genetics, Entomology, Botany, Statistics, Phytopathology, Soil Science.

Number of teachers: 26.
Number of students: 70.

Monterrey, N.L.

INSTITUTO TECNOLÓGICO Y DE ESTUDIOS SUPERIORES DE MONTERREY
(Institute of Technology and Higher Education)
CARRETERA NACIONAL KM. 982 SUCURSAL DE CORREOS "J" MONTERREY, N.L.
Telephone: 3-21-60.
Founded 1943.

Chairman of the Board: Ing. EUGENIO GARZA SADA.
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Director of Finance Commission: Lic. ALFONSO GONZÁLEZ SEGOVIA.
Registrar: Ing. HORACIO GÓMEZ JUNCO, M.C.

The Library contains 100,100 volumes and 1,070 periodicals.

Number of teachers: 282.
Number of students: 6,832.

Publications: *Boletín de Agronomía* (twice monthly), *Boletín de Relaciones Industriales* (monthly), *Revista de la Escuela de Contabilidad, Economía y Administración* (quarterly), *Boletín de Seguridad Industrial* (monthly), *Boletín Técnico de Administratión de Personal* (monthly).

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School of Engineering and Architecture: Ing. JOSÉ EMILIO AMORES.
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AYALA VILLAREAL, RODOLFO, Electrical Engineering
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BENAVIDES, ARTEMIO, Humanities

Berni, Giorgio, Economics
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Betancourt, Rudolfo, Mathematics
Blomeier, Germán, Civil Engineering
Bravo Villarroel, Roberto, Humanities
Bruner, José R., Languages
Bures, Esperanza, Mathematics
Canales, Arnulfo M., q.f.b., Chemistry
Canales, José, Law
Cantu, Abiel J., Administration
Cantu, Humberto, Mathematics
Carrión, Asensio, Accountancy
Castillo Bahena, Rodolfo, Physics
Castillo Jiménez, Félix, Physics
Chow, Guillermo, Agronomy
Coindreau, Santiago, Languages
Cortes, Mario, Mathematics
Crespo Villalas, Carlos, Civil Engineering
Cuellar, Manuel A., Accountancy
Cuervo, Ernesto, Humanities
Cuevas, Atanasio, Agronomy
De Alba Gabino, Agronomy
De Hoyos, Tomás, Mathematics
De Valle, Pedro, Electrical Engineering
Del Bosque, Vergilio, Mechanical Engineering
Del Hoyo, Eugenio, Humanities
Del Valle, Francisco, Chemical Engineering
De la Fuente, Jesús, Agronomy
De la Fuente, Saul, Mathematics
De la Garza, Ma. Del Carmen, Accountancy
De la Garza, Sergio F., Law
Diaz, Jorge A., Mathematics
Diaz, Jorge I., Mechanical Engineering
Domínguez, Jorge, Chemistry
Du Solier, Wilfrido, Humanities
Duhne, Carlos, Chemical Engineering
Elizondo, Antonio, Electrical Engineering
Enkerlin, Dieter, Agronomy
Estevane, Jaime O., Electrical Engineering
Estrada Jasso, Andres, Humanities
Fernández, Horacio, Mathematics
Fidalgo, Julio, Languages
Flores, Isais, Agronomy
Flores Peredo, Armando, Physics
Franco, Raúl, Chemistry
Fresnillo, Olga, Agronomy
Gaona, Homero, Agronomy
García, Octavio, Mathematics
García Guerra, Americo, Administration
García M., Roberto, Mathematics
García Narro, Jaime, Administration
García Rivera, Carlos H., Psychology
Garza Cardenas, Armando, Mechanical Engineering
Garza Cavazos, Ramiro, Physics
Garza Quiroz, Fernando, Administration
Garza Valdiva, Enrique, Mathematics
Gómez Junco, Roberto, Civil Engineering
Gómez Pimienta, Nicolas, Accountancy
González, Antonio, Athletics
González, Olivia, Languages
González, Rogelio, Agronomy
González Arce, Jorge, Administration
González Arechiga, J. Antonio, Mechanical Engineering
González, Arquieta Andres, Architecture
González Irigoyen, Romulo, Accountancy
González Rosales, Heron, Accountancy
Guajardo, Ricardo, Architecture
Guerra, Antonio, Chemistry
Guerra, Avelino, Chemical Engineering
Guerra, Eulelio, Law
Guevara, José, Mathematics
Gutiérrez, Bertha, Chemistry
Gutiérrez, Humberto, Mathematics
Herkommer, Siegfried, Economics
Hernández, Armando, Accountancy
Herrera, Cantú, José, Physics
Hinjosa, Elisabeth K., de., German
Lahitte, Andres, Languages
Landois Burguet, Jorge, Physics
Laubner, Adolfo, Architecture
Leal Díaz, Graciela, Chemistry
Leal Díaz, Jaime, Agronomy
López Barañano, Jose M., Mathematics
López Peralta, Feliciano, Civil Engineering
López Ramos, Héctor, Chemistry
Macgregor, Alfonso, Architecture
Macías, Miguel A., Civil Engineering
Macías Shields, Rafael, Accountancy
Maldonado, Guillermo, Economics
Mancillas, Francisco A., Economics
Marino de Nigris, José, Economics
Martín Cruz, Agustín, Agronomy
Martínez, Amparo, Languages
Martínez, Manuel, Mechanical Engineering
Martínez Garza, Gerardo R., Architecture
Mathieu, Jean, Agronomy
Medina Duarte, Mario, Accountancy
Menéndez, Aquiles, Humanities
Mitre, Gonzalo, Industrial Engineering
Montejano, Jesús, Humanities
Montemayor, Rodolfo, Accountancy
Morales, Daniel, Agronomy
Morones, Gregorio, Physics
Ordóñez Villalobos, Arturo, Civil Engineering
Orozco, Francisco, Mechanical Engineering
Ortega, Alfonso, Physical Education
Ortega, María del R., Languages
Ortegón, Delia, Chemistry
Paz Estrada, Héctor, Mathematics
Pérez Pagola, Gabino, Mechanical Engineering
Pineda, José L., Architecture
Plancarte, Gustavo, Accountancy
Polo Encinas, Manuel, Mechanical Engineering
Puggioni, María L. de, Architecture
Quiroga Garza, Héctor, Civil Engineering
Razón Ostos, Ignacio, Economics
Rendón, Omar, Physical Training
Reyes, Pedro, Agronomy
Reyes Velázquez, Pedro, Humanities
Richkerday, Héctor, Mechanical Engineering
Rivera Camerena, Enrique, Agronomy
Riverón Cervantes, Adolfo, Administration
Robles Gil, Alberto, Civil Engineering
Robles Gutiérrez, Leonel, Agronomy
Rodríguez, Federico, Mechanical Engineering
Rodríguez A., Federico, Physics
Rodríguez, Salvador, Mathematics
Rodríguez Noriega, Armando, Physics
Rodríguez Vizcarra, Manuel, Architecture
Rojas Garcidueñas, Manuel, Agronomy
Rojas, Paulino, Agronomy
Roldán Riomaña, Ramiro, Mechanical Engineering
Romero, Guillermo, Chemistry
Rubio y Rubio, Alfonso, Humanities
Ruiz de Aquino, Joel, Electrical Engineering
Sánchez, Alfonso, Mechanical Engineering
Sánchez Cordero, Carlos, Economics
Sandler, Jacobo, Chemistry
Sasson, Alberto Mayer, Electrical Engineering
Schafer, Henry, Agronomy
Schaffer, Hans W., Languages
Soriano, Alberto, Physics
Soto, Severiano, Humanities
Tamez, Manuel, Mechanical Engineering
Temblador, Sergio, Agronomy
Torres, Ethelvina, Humanities
Treviño, Francisco, Economics
Treviño, Ricardo, Law
Treviño Abrego, José, Industrial Engineering
Treviño Garza, Ricardo, Physics
Treviño Garza, Rodolfo, Civil Engineering
Treviño Lozano, Electrical Engineering
Treviño Valdés, Edmundo, Civil Engineering
Trujillo, Abelardo G., Physics
Ureta, Ernesto, Chemistry
Uriquza, Manuel, Chemistry
Valadres, Manuel, Mechanical Engineering
Valdes, Alfonso, Physical Education
Valdés, Martín, Mathematics
Vázquez Pérez, Vicente, Mechanical Engineering
Vázquez Torres, Nicolás, Administration
Vera, Francisco, Industrial Engineering
Vera, Ricardo, Mechanical Engineering
Vielle, Jean P., Economics
Villareal, Fidel, Chemistry
Villarreal, Jaime, Architecture
Villarreal, Luis, Sociology
Villarreal, Sara R. de, Languages
Vizcaya, Isidro, Humanities
Von Nacher, Giancarlo, Humanities
Zárate, Hernán, Civil Engineering

Tuxtla Gutiérrez, Chiapas

INSTITUTO DE CIENCIAS Y ARTES DE CHIAPAS

2ª AVDA. SUR Y 5ª ORIENTE

Founded 1944.

Rector: Prof. Froylán Esquinca E.

Library of 4,000 vols.

Publication: *Revista I.C.A.C.H.*

The Institute incorporates Departments of Commerce and Business Administration, Nursing, Pharmacy, Law and Fine Arts.

SCHOOLS OF ART AND MUSIC

Mexico City

Escuela Nacional de Bellas Artes (*National Academy of Fine Arts*): Academia 22; sculptures and paintings by Mexican and foreign artists.

Escuela Nacional de Artes Plásticas (*National School of Plastic Arts*): Academia 22; f. 1781; courses in painting, sculpture, engraving and commercial art; number of professors 109, number of students 750; the library has 20,000 vols.; Dir. José Arellano Fischer; publs. *Revista de Artes Plásticas* (Plastic Arts Review) (quarterly).

Conservatorio Nacional de Música (*National Conservatoire*): Avenida Presidente Masarik 582, Mexico 5, D.F.; f. 1866; 115 teachers; Dir. Maestro Joaquín Amparán; Deputy Dir. Maestro José Ordóñez; library of 38,000 vols.; publ. *Revista del Conservatorio.*

Morelia

Escuela de Bellas Artes (*Universidad Michoacana de San Nicolás de Hidalgo*): Guillermo Prieto 87; Dir. Porf. Alfredo Zalce.

Veracruz

Academia de Música "Ricardo Castro": attached to the University of Veracruz; Dir. Prof. Idelfonso Moren.

MONACO

Population 22,297

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Association de Préhistoire et de Spéléologie: publ. *Bulletin.*

Centre International d'Etude des Problèmes Humains.

Centre Scientifique de Monaco: Villa Girasole, 16 Boulevard de Suisse, Monte-Carlo; f. 1960; research in marine radioactivity, radiocarbon, meteorology, seismology; 25 mems.; Pres. A. CROVETTO.

Laboratoires de radio-activité marine.

LIBRARIES AND ARCHIVES

Archives et Bibliothèque du Palais de Monaco: private archives of the princes of Monaco including documents from the XIIIth century; Librarian ALBERT LISIMACHIO.

Bibliothèque de Monaco: 120,000 vols.

MUSEUMS

Musée d'Anthropologie Préhistorique.

Musée Océanographique de Monaco: Monaco; f. 1899 by Prince Albert I of Monaco; as well as a museum, there is an aquarium, 30 laboratories, 2 ships and a "bouée-laboratoire" for research; library of 20,000 vols.; Dir. JACQUES-YVES COUSTEAU (associated with the Institut Océanographique in Paris).

Musée National des Beaux-Arts.

COLLEGE

Académie de Musique Rainier III.

MONGOLIAN PEOPLE'S REPUBLIC

Population 1,044,900

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Academy of Sciences of the Mongolian People's Republic: Ulan-Bator; f. 1921; directs all scientific research work of the country and carries out practical research in agriculture, animal breeding, economy, geography, geology, natural history, and in the history, language and literature of the Mongolian people. The Committee maintains agricultural experimental stations, a hydro-meteorological service, seismological stations, and an astronomical observatory. The Committee took part in the International Geophysical Year. Pres. Academician B. Shirendyb. The Committee directs the following associations:

Economic Institute: departments of rural economy and economic planning.

History Institute: Dir. Sh. Natsagdorj.

Union of Mongolian Writers: First Sec. S. Udval.

Union of Scientific Workers of Mongolia.

The State Public Library.

Central State Experimental Plant-breeding and Crop Production Station: Dzunkharin.

Central State Fruit and Berry Station: Shamar.

Party Research Institute of Central Committee, Mongolian People's Revolutionary Party: Ulan Bator; studies in party history.

LIBRARIES

State Archives: Ulan-Bator.

State Public Library (*Committee of Sciences of the M.P.R.*): Ulan-Bator; f. 1921; 1,000,000 vols in Mongolian, Manchurian, Chinese, Tibetan, Russian, English, German, French, and other languages; rare editions including "Danjour", Buddhist Encyclopædia of 220 vols.; ancient Mongolian books; exchange system with libraries in Asia, Europe and America; Dir. Danzan; publ. *Bibliographies.*

MUSEUMS

State Museum: Ulan-Bator; natural history, history, art, and archæology collections; Gobi desert dinosaur eggs and skeletons.

Museum of Religion: Ulan-Bator; housed in a former Lamasery; collection includes many Lamaic relics.

Revolutionary Museum: Ulan-Bator; the collection illustrates the history and achievement of Communist Mongolia.

Sukhe-Bator and Choibalsan Museum: Ulan-Bator; the museum is devoted to the lives of the two revolutionary leaders after whom it is named.

Ulan-Bator Museum: devoted to the history of the town and its reconstruction.

UNIVERSITY AND COLLEGES

MONGOLIAN STATE UNIVERSITY
(Mongol Ulsiin Ikh Surguuli)

ULAN-BATOR

Founded 1942

Rector: Prof. N. Sodnom.
Pro-Rectors: D. Sanzaijav, T. Dashtseden.

Faculties and Deans:

Physics and Mathematics, with departments of physics, mathematics and meteorology.
Dean: O. Otgonsuren.

Natural Sciences, with departments of chemistry, biology, geology and geography.
Dean: A. Tsendsuren.

Engineering, with departments of electrical, heat and mechanical engineering.
Dean: A. Batnasan.

Building Engineering, with departments of civil engineering, architecture and construction.
Dean: B. Dambiniam.

Social Sciences, with departments of law, history, philosophy and journalism.
Dean: G. Lhamsuren.

Philology, with departments of Mongolian, Russian, Chinese, English and French.
Dean: D. Jambajamts.

Post Graduate.

Library of 200,000 volumes.

Number of teachers: over 200 (40 professors).
Number of students: 2,100.

Pedagogical Institute: Ulan-Bator; all branches of study; 900 students.

Agricultural Institute: Ulan-Bator; Zoology, Veterinary Medicine, Agronomy; 1,560 students.

Sukhe Bator Higher Party School: Ulan-Bator; four-year courses to graduate party functionaries and executives for agriculture, industry and government organisations.

Institute of Economics: Ulan-Bator; evening studies.

University of Marxism-Leninism: Ulan-Bator; evening classes.

Medical Institute: Ulan-Bator.

MOROCCO

Population 11,626,232

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Centre Africain de Formation et de Recherche Administratives pour la Développement (CAFRAD) (*African Research and Training Centre in Administration for Development*): 31 rue de Grenade, B.P. 310, Tangier; f. 1964 by UNESCO and the Government of Morocco; research, comparative studies and training in public administration in African countries; Chair. ABDELAZIZ FILALI; Scientific Dir. JACQUES ROUSSEAU.

British Council, The: 288 avenue Mohammad V, B.P. 427, Rabat; Rep. R. J. HILTON, O.B.E.

Centre d'Etudes et d'Information Economiques et Sociales (CEDIES): 25 rue Dupleix, Casablanca.

Centro Cultural Español: 8 rue Capitaine Allardet, Rabat.

Comité National de Géographie du Maroc: Institut Scientifique Chérifien, Rabat; f. 1947; 12 sections; Pres. The MINISTER OF EDUCATION; Sec. G. MAURER; publ. *Atlas du Maroc*.

Goethe Institut: 3 Boul. Mohammad V, Casablanca; Dir. Dr. HELMUT GRUNICKE; 10 rue Djebli, Rabat; Dir. Dr. WOLFGANG VOLLMER.

Institut Pasteur: Tangier; f. 1912; Dir. Dr. MAURICE HUET; Asst. Dir. Dr. JEAN VINCENT.

Institut Scientifique Chérifien: Avenue Moulay-Cherif, Rabat; f. 1920 for the practical study of nature; the Institute has a collection of animals and an herbarium in its building at Rabat, as well as petrographic and palæontological collections; the Station de Biologie at Ifrane (Moyen Atlas), the Station de Recherches Présahariennes at Aouinet Torkoz (Dra), and the Observatory at Berrechid also belong to the Institute; 32 mems.; publs. *Travaux*, *Bulletin*.

Director: J. B. PANOUSE.
Secretary: L. COHEN.
Librarian: C. DE GAILECHE.

STAFF:

Cryptogamy: G. MALENÇON.
Entomology: L. KOCHER, H. CHOUMARA.
Geography: G. MAURER, J. MARTIN, C. BRIGNON, A. ANDRE.
Geology: H. MSOUGAR.
Physique du Globe: P. STAHL, COULOMB CAMUS, L. AAMRI.
Phanerogamy: J. MATHEZ.
Zoology: J. B. PANOUSE, J. NEDELEC.

ATTACHED INSTITUTES:

Station de Recherches présahariennes: Aouinet-Torkoz.
Station de Séismologie: Ifrane.
Observatoire Séismologique Averroës: Berrechid.
Station de Biologie: Ifrane.

Instituto Español en Tanger (*Spanish Institute in Tangier*): Tangier; Dir. VALENTÍN GARCÍA VEBRA.

Mission Universitaire et Culturelle Française au Maroc (*French University and Cultural Mission in Morocco*:) rue Michaux-Bellaire, Rabat; examination courses, cultural and artistic visits and exhibitions, lectures; libraries Rabat, Casablanca and other large towns; Dir. M. POUGET; 38,000 students.

Service de Physique du Globe et de Météorologie: 2 rue de Foucauld, Casablanca; f. 1933; research on meteorology, climatology, ionosphere, seismology, terrestrial magnetism, surge, etc.; publ. *Annales du S.P.G.M.*

Société de Géographie du Maroc (*Université de Rabat*): Rabat; f. 1916; 500 mems.; Pres. MOHAMED DIOURI; publ. *Revue de Géographie du Maroc* (twice yearly).

Société de Préhistoire du Maroc: Syndicat d'Initiative, Bld. de la Gare, Casablanca; f. 1926; Pres. M. BOUDY; Sec.-Gen. M. ANTOINE; publ. *Bulletin* (bi-annually).

Société des Sciences Naturelles et Physiques du Maroc: Institut Scientifique Chérifien, Rabat; f. 1921; 539 mems.; Pres. A. GUESSOUS; Sec.-Gen. J. PANOUSE; publs. *Mémoires*, *Bulletins*, *Comptes-rendus*, *Variétés scientifiques*, *Travaux de la Section de Pédologie*.

Société d'Etudes Economiques, Sociales et Statistiques du Maroc: Recette Postale, Rabat.

Société d'Horticulture et d'Acclimatation du Maroc: P.O. Box 854, Casablanca; f. 1914; 1,240 mems.; Pres. M. THILLAYE DU BOULLAY; Sec. URVOY; publ. *Bulletin* (quarterly).

U.S. Information Centers:
6 rue Branly, Casablanca.
Salaj, No. 15, Batha, Fez.
43 Ave. de l'Allal. B. Abdallah, Rabat.
37 Boulevard Pasteur, Tangier.

LIBRARIES AND ARCHIVES

Casablanca

Bibliothèque Municipale: Avenue Général-d'Amade.

Fez

Al Qarawiyin University Library: contains about 1,600 ancient and precious MSS. of famous Muslim teachers and thinkers.

Rabat

Bibliothèque Générale et Archives: avenue Moulay Cherif, Rabat; f. 1920; 180,000 vols., 9,361 MSS.; 12 brs.; Dir. SI ABDULLAH REGRAGUI.

Bibliothèque de L'Institut Scientifique Chérifien: Avenue Moulay Cherif; f. 1920; 25,000 vols., 1,257 periodicals; Librarian C. DE GAILECHE.

Tangier

Biblioteca Pública Española: Consulado General de España, 26 Avenida de España, Tangier; f. 1941; the library is divided into Arabic and European Sections; 20,000 vols.; Dir. and Librarian F. DE A. CUEVAS.

Tetuán

The official libraries and archives are governed by the **Directorate of Archives and Libraries,** Carretera de Tanger, Tetuán; Dir. AHMAD MUHAMMAD MEKINASSI.

Archivo Fotográfico: f. 1948; 45,000 photographs.

Archivo General: f. 1943; 4,000 vols. of administrative documents.

Archivo Histórico: f. 1945; 20,000 Arab documents.

Biblioteca General: f. 1939; 55,000 vols., including 1,000 Arab MSS.

Hemeroteca (*Newspaper Library*): f. 1939; 4,700 vols.

Oficina de Distribución e Intercambio de Publicaciones (*Office for the Distribution and Exchange of Publications*): Tetuán; f. 1953.

MUSEUMS

Archæological Museum: Tetuán; f. 1940; prehistoric, Carthaginian, Roman and Islamic collections; Curator AHMAD MEKINASSI.

Direction des Musées et des Antiquités: Ministère de l'Information, du Tourisme, de l'Artisanat et des Beaux-Arts, 23 rue Pierre Parent, Rabat; Dir. Mme. NAÏMA KHATIB BOUGIBAR; Asst. Dir. MARRAKCHI ABDESLEM; Administers the following museums.:

Musée des Oudaïa: Rabat.
Musée des Antiquités: Rabat; f. 1917
Musée du Dar Batha: Fez.
Musée d'Armes du Bordj Nord: Fez.
Musée de la Kasbah: Tangier.
Musée du Dar Jamaï: Meknès.
Musée dar Si Saïd: Marrakesh.
Musée de Tetuán: Tetuán.
Musée Archéologique: Tetuán.

UNIVERSITIES

UNIVERSITÉ MOHAMMED V

AVENUE MOULAY CHERIF, RABAT

(Annexes at Casablanca, Fez and Tetuán)

Founded 1957.

Rector: S. E. M. EL FASI.
Vice-Rector: Dr. FARRAJ.
Secretary-General: A. LAKHDAR.
Librarian: Mlle RABIA MOUDEN.

Number of students: 3,453.

DEANS:

Faculty of Law: D. VEAUX.
Faculty of Letters: Mr. LAHBABI.
Faculty of Science: J. DESCHAMPS.
Faculty of Medicine and Pharmacy: (Vacant).
Faculty of Engineering (Mohammedia Engineering School): Dir. D. AMOR.

PROFESSORS:

Faculty of Law:
French Section:
LAMBERT, Political Economy
LESCUYER, International Institutions
MATRINGE, History of Political Ideas
MORET, Political Economy
VEAUX, Civil Law
VEAUX, Mme, Commercial and Penal Law

Faculty of Letters:
French Section:
EUSENANT, M., Ancient History
MIECE, J.-J., Modern History
UANEZ, F., Spanish

Arab Section:
ABBADI, A. M., Medieval History
AWAD, H., Geography
BAHBITI, M. A., Literature
BALABI, N., Philosophy
ECH CHARIF EL KETTANI, Philology
HACHEM, H., Philosophy
HASSAN, I. H., Medieval History and Moslem Civilisation
TAKI EDDINE EL HILALI, Philosophy
TRABUISHI, A., Philosophy
YAHIA JALAL ED DINE, M., Modern History

Faculty of Science:
ARZELIES, H., Physics
DESCHAMPS, J., Chemistry
ENNOUCHI, E., Geology
FAURE-MURET, Mlle, Geology
METTETAL, C., Animal Biology
PAMBRUN-VINCENT, Mme, Animal Biology
PANNOUSE, J.-B., Animal Biology
PARIAUD, J.-C., Chemistry
PASQUALINI, L., Mathematics
RISS, J., Mathematics

Faculty of Medicine:
BEAVIEUX, Histo-Embryology
CAIX, Histo-Embryology
STOLL, Anatomy

Faculty of Medicine (Annexe at Casablanca):
GERNEZ-RIEUX, Hygiene
HEUILLY, Legal Medicine
QUILICHINE, Pharmacology
TRAISSAC, Therapeutics

Faculty of Engineering:
Number of teachers: 52

ATTACHED INSTITUTES:

Institut de Sociologie: f. 1960.
Director: W. MOHAMMED.

Centre Universitaire de la Recherche Scientifique: f. 1962.
Director: N. EL FASSI.

UNIVERSITÉ BEN YOUSSEF DE MARRAKECH

CITÉ UNIVERSITAIRE, MARRAKECH

Traditional Islamic studies.

AL QARAWIYIN UNIVERSITY

FEZ

Founded 859 A.D., enlarged in 11th century.

Traditional studies in Islamic Law and Theology and Arabic Literature.

Rector: J. J. SKALI.
Vice-Rector and Dean of the Women's Department: A. LAHBABI.
Section de Muqrieen (Masters of the Koran): M. MEDOUAR (Director).

Number of students: 422.

FACULTIES:

Faculté Cussul Addine de Tétouan: teaches Muslim law and theology.

Faculté Allogha el Arabia de Marrakech: teaches Arabic language and literature.

Faculté Chovia de Fès: juridical Islamic studies.

PROFESSORS:

ALLAL EL FASSI
BEN ABDESLAM TAHIRI
LARBI SHAMI
LAHBIB EL MAHAJI

COLLEGES

ECOLE DES BEAUX-ARTS

BOULEVARD RACHIDI, CASABLANCA

Arranges courses in painting, sculpture, architecture, drawing and decoration. All the courses include studies in the history of art, anatomy and mathematics.

Director: M. ARAMA.

Ecole Marocaine d'Administration: Rabat; Dir. A. ADAM.

Ecole de Médecine Averroës: Casablanca; f. 1959; for 5th and 6th grade medical students; 55 students.

Escuela de Artes Marroquíes (*School of Native Arts and Crafts*): Tetuán; f. 1921; textiles, carpets, rugs, ceramics, engraving, plaster inlays, woodwork, precious metal work, leather and Arabic woodcarving; 200 mems.; Dir. M. M. SERGHINI; Sec. J. VENERO; administers the following:

Escuela Preparatoria de Bellas Artes: drawing, painting, sculpture, decorative arts.

INSTITUTO MULEY EL-HASAN (de Investigaciones Marroquíes)

CALLE C, NÚM. 2, PRAL. 2A, APDO. 84, TETUÁN

Object: research on Hispano-Musulman works.

Moroccan Director: M. BEN TAUÍT.
Spanish Assistant Director: MARIANO ARRIBAS PALAU.

The library contains 3,650 vols. in the Arabic Section and 1,850 vols. in the European Section.

Escuela Politécnico Español (*Spanish Commercial School in Tangier*): Tangier; comprises a Lycée and a School of Commerce; Dir. V. YEBRA.

Ecole Nationale d'Agriculture: nr. Meknès; f. 1951; Moroccan, French, Spanish, Algerian and Tunisian students; postgraduate studies; 20 teachers and 100 students.

NEPAL

Population 9,500,000

LIBRARIES

American Library: Katmandu.

Bir Library: Ranipolhari, Katmandu (about 15,000 MSS).

British Library: "Adza Shar," King's Road, Katmandu.

Central Library: Lal Darbar, Katmandu.

Indian Library: Katmandu.

National Library: Katmandu; Chair. NARAYAN P. SHARMA.

Singh Darbar: Secretariat Library, Katmandu.

MUSEUM

Nepal Museum: Chhaunni, Katmandu; Dir. Shri RAMESH THAPA.

UNIVERSITY

TRIBHUBANA UNIVERSITY
(University of Nepal)
KIRTIPUR, NEPAL

Founded 1958

Chancellor: H.M. King MAHENDRA.
Pro-Chancellor: H.M. The Queen Mother ISWAN RAJYA LAXMI.
Vice-Chancellor: Shri RANDHIR SUBHA.
Registrar: Shri JAGAT BAHADUR BUDATHOKI.
Chairman of Statutes and Drafting Committee: BHAIRAB BAHADUR PRADHAN.
Faculties: Arts, Science, Law.

COLLEGES

All Colleges excepting the Sanskrit Mahavidyalaya and the College of Education are affiliated to the Patna University, Bihar, India. The Sanskrit Mahavidyalaya is affiliated to the Sanskrit Mahavidyalaya, Varanasi (Benares), India and the College of Education is independent.

TRI-CHANDRA COLLEGE
RANIPOKHARI, KATMANDU
Founded 1918

Principal: Shri PHARENDRA PRASAD LOHANI.
Departments of Arts, Science and Commerce.

DARBAR COLLEGE
TAHACHAL, KATMANDU
Founded 1951

Principal: Shri BHAIRAB BAHADUR PRADHAN.
B.A. courses in Arts.

PADMA KANYA COLLEGE FOR WOMEN
DILLIBAZAR, KATMANDU

Principal: Pandit TIRTHA PRASAD.
Graduate courses in Arts.

SANSKRIT MAHAVIDYALAYA
PUTALI SADAK, KATMANDU

Principal: Pandit SOMANATH.

NEPAL NATIONAL COLLEGE
RANIPOKHARI, KATMANDU

Principal: Shri SHANKER DEV PANT.

NEPAL LAW COLLEGE
RANIPOKHARI, KATMANDU

Principal: Shri RAM RAJ PANT.

PUBLIC SCIENCE COLLEGE
P.O. Box 102, KATMANDU
Founded 1956

Principal: Prof. A. P. PRADHAN.
Publ.: *Public Science College Magazine.*

SHRI THAKUR RAM COLLEGE
BIRGUNJ

DHANKUTA COLLEGE
DHANKUTA

MORANG COLLEGE
BIRATNAGAR

SHRI MAHENDRA COLLEGE
DHARAN

SHRI MAHENDRA COLLEGE
BINDESURI, RAJBIRAJ

TRIBHUWAN COLLEGE
TANSEN, PALPA

MORANG SCIENCE COLLEGE
DHANKUTA

PUBLIC COMMERCE COLLEGE
RANIPOKHARI, KATMANDU

COLLEGE OF EDUCATION
LAZIMPAT, KATMANDU

Principal: Shri TRILOKYA NATH UPRETI.
(A Teachers' Training College with centres at Katmandu Pokhra, Birgunj, Baitadi (Patan), Dharan, Palpa (Tansen) Salyan, Ilam.)

THE NETHERLANDS

Population 12,041,970

LEARNED SOCIETIES

Koninklijke Nederlandse Akademie van Wetenschappen (*Royal Netherlands Academy of Sciences and Letters*): Amsterdam, Kloveniersburgwal 29 (Trippenhuis); f. 1808; reorganised in 1851; re-formed as above 1855; publs. *Jaarboek, Akademiedagen, Rapporten, Proceedings of the Section of Sciences Series A, B and C, Indagationes Mathematicae, Verslag van de Gewone Vergaderignen der Afdeling Natuurkunde, Verhandelingen Eerste en Tweede Reeks der Afdeling Natuurkunde, Mededelingen der Afdeling Letterkunde, Verhandelingen der Afdeling Letterkunde.*

General President: Dr. G. E. Langemeijer.

Secretary-General: Prof. Dr. Carolina H. MacGillavry.

Section for Mathematics and Natural Sciences:
President: Prof. Dr. C. J. Gorter.
Secretary: Prof. Dr. Carolina H. MacGillavry.

Section for Philology, Literature, History and Philosophy:
President: Dr. G. E. Laangemeijer.
Secretary: Prof. Dr. H. E. Reeser.
Managing Director: M. E. 't Hart.
Librarian: J. F. Bosch.

Section for Mathematics and Natural Sciences:

Ordinary Members:

	Elected		Elected
J. H. Oort	1937	S. R. de Groot	1958
J. H. de Boer	1940	J. A. A. Ketelaar	1958
A. Heyting	1946	J. Lanjouw	1958
H. B. G. Casimir	1946	A. J. P. Oort	1958
C. J. Gorter	1946	W. T. Koiter	1959
R. Kronig	1946	H. J. Vander Maas	1959
Ph. H. Kuenen	1946	A. van Wijngaarden	1959
Chr. P. Raven	1946	J. F. Arens	1960
P. J. Gaillard	1947	C. J. Bouwkamp	1960
H. W. Julius	1947	J. H. P. Jonxis	1960
H. Rinia	1947	J. P. Mazure	1960
E. J. W. Verwey	1949	G. W. Rathenau	1960
J. Verwey	1949	B. D. H. Tellegen	1960
L. D. Eerland	1950	A. C. Zaanen	1960
S. E. de Jongh	1950	J. F. Schouten	1961
H. D. Kloosterman	1950	M. A. Donk	1962
G. H. R. von Koenigswald	1950	D. Durrer	1962
Carolina H. MacGillavry	1950	L. U. de Sitter	1962
S. J. Wellensiek	1950	J. D. Verlinde	1962
H. Freudenthal	1951	A. Blaauw	1963
H. P. Berlage	1952	J. J. Broeze	1963
L. D. Brongersma	1952	L. J. Oosterhoff	1963
W. G. Burgers	1952	J. A. Prins	1963
J. de Boer	1953	A. Querido	1963
J. Th. G. Overbeek	1953	J. van der Vecht	1963
J. Popken	1954	J. J. Went	1963
W. P. A. van Lammeren	1955	J. Boldingh	1964
B. G. Ziedses des Plantes	1955	J. J. G. Prick	1964
E. Havinga	1956	E. C. Slater	1964
H. C. van de Hulst	1956	T. A. Springer	1964
N. G. de Bruijn	1957	J. de Wilde	1964
P. M. Endt	1957	H. Brinkman	1965
A. W. H. van Herk	1957	L. B. W. Jongkees	1965
H. A. Meyling	1957	N. H. Kuiper	1965
G. P. Baerends	1958	J. J. Van Loghem, Jr.	1965
W. Bleeker	1958	O. F. E. Muhlbock	1965
F. S. P. van Buchem	1958	W. Nieuwenkamp	1965
		M. H. Van Raalte	1965
		W. P. De Roever	1965

In addition there are some Members abroad, a number of Emeriti, 30 Corresponding and 40 Foreign Members.

Section for Philology, Literature, History and Philosophy:

Ordinary Members:

	Elected		Elected
J. H. Thiel	1938	P. Polman	1958
J. Tinbergen	1946	W. A. P. Smit	1958
C. C. Berg	1947	J. H. Beekhuis	1959
P. J. van Winter	1947	J. C. Brandt Corstius	1959
F. B. J. Kuiper	1948	C. C. de Bruin	1959
C. F. P. Stutterheim	1948	R. J. Forbes	1959
J. N. Bakhuizen van den Brink	1950	W. Glasbergen	1959
S. J. Fockema Andreae	1950	R. Hooykaas	1959
S. Hofstra	1950	J. C. Kamerbeek	1959
M. W. Holtrop	1950	F. R. Kraus	1960
G. E. Langemeijer	1950	B. H. Slicher van Bath	1960
F. G. L. van der Meer	1950	A. J. P. Tammes	1960
J. H. Waszink	1950	G. I. Lieftinck	1961
J. G. van Gelder	1951	H. E. Reeser	1961
E. W. Hofstee	1951	J. F. Niermeyer	1962
W. C. van Unnik	1951	K. Heeroma	1963
G. H. Blanken	1952	L. de Jong	1963
G. C. Berkouwer	1953	G. Th. Kempe	1963
M. David	1953	A. G. M. van Melsen	1963
J. P. Kruijt	1953	B. H. Stricker	1963
Th. C. Vriezen	1953	Christine W. E. M. Mohrmann	1964
W. J. M. A. Asselbergs	1954	A. J. B. N. Reichling	1964
A. Maartje E. Draak	1955	G. J. Wiarda	1964
S. Dresden	1955	J. M. M. Aler	1965
W. J. W. Koster	1955	H. C. J. Duijker	1965
J. Gonda	1957	F. van Heek	1965
H. van de Waal	1957	F. J. de Jong	1965
P. Hennipman	1958	W. F. Prins	1965
M. J. Langeveld	1958	A. J. C. Ruter	1965
J. P. M. van der Ploeg	1958	W. J. Verdenius	1965

There are some Members abroad, a number of Emeriti, 30 Corresponding and 40 Foreign Members.

Agriculture

Koninklijk Genootschap voor Landbouwwetenschap (*Royal Society of Agricultural Science*): P. O. Box 79, Wageningen; f. 1886; 1,500 mems.; Pres. Prof. Ir. S. Iwema; Sec. Ir. A. A. van Motman; publs. *Landbouwkundig Tijdschrift* (twice monthly), *Netherlands Journal of Agricultural Science* (English, quarterly), *Jaarverslag* (annual).

Anthropology

Nederlands Genootschap voor Anthropologie (*Netherlands Anthropological Society*): Amsterdam, Mauritskade 63; 225 mems.; sub-divided into two sections: *Cultural Anthropology* and *Physical Anthropology*; Pres. and Chair. of Physical Anthropology Section Dr. P. F. J. A. Julien; Chair. Cultural Anthropology Section Prof. Dr. H. Th. Fischer; Sec. O. A. S. Gorissen.

Archæology

Koninklijk Oudheidkundig Genootschap (*Royal Antiquarian Society*): Amsterdam, Rijksmuseum; f. 1858; possesses a collection of applied art (furniture, silver, sculpture, etc.), paintings, objects of historical value, prints and drawings concerning the topography of Amsterdam, manners and customs of the Netherlands; coins, medals, books; 500 mems.; 5,000 vols.; Pres. Prof. Dr. J. Q. van Regteren Altena; Vice-Pres. Ihr. Ir. Six van Wimmenum; Sec. Marjorie H. Bottenheim, A. M. van de Waal; Treas. H. P. Rahusen; Curators Jkvr. H. M. A. F. Six, Mr. P. van Eeghen; publ. *Jaarverslagen* (illustrated annual reports).

Monumentenraad (*Council for Monuments*): Voorburg, Balen van Andelplein 2; f. 1961; 32 mems.; Pres. S. P. Baron Bentinck; Sec. R. Hotke; publs. *Voorlopige Lijst, Geillustreerde beschrijving der Nederlandse monumenten, Kunstreisboek voor Nederland.*

Rijksdienst voor de Monumentenzorg (*State Service for the Protection of Historical Monuments*): Voorburg, Balen van Andelplein 2; f. 1918; re-formed 1946; Dir. R. Hotke.

Architecture

Academie van Bouwkunst (*Academy for Architecture*): Amsterdam, Waterlooplein 67; f. 1908; Pres. Arch. Ir. K. F. G. Spruit; Sec. Arch. H. W. Brakel.

Genootschap Architectura et Amicitia (A. et A.): Amsterdam, Waterlooplein 67; f. 1855; 300 mems.; Chair. Ir. F. Sevenhuysen; Sec. Arch. W. van de Kuilen; publ. *Forum* (monthly).

Koninklijke Maatschappij tot Bevordering der Bouwkunst Bond van Nederlandsche Architecten (B.N.A.) (*Royal Society for the Advancement of Architecture, Union of Netherlands Architects*): Amsterdam, 102 Weteringschans; f. 1842; 1,170 mems.; Chair. Ir. H. Lammers; Sec. Ir. F. W. de Vlaming; Dir. Dr. M. P. van der Linden; publ. *Bouwkundig Weekblad* (architectural review).

Art

Bond Heemschut (*Society for the Preservation of Cultural and Natural Beauty in the Netherlands*): Amsterdam-O., Oosterpark 22; f. 1911; mems.: 272 societies, 120 supporters and 3,730 individual mems.; Chair. Arn. J. D'Ailly, ll.d.; Hon. Sec. Ton Koot; Treas. J. A. de Zwaan; Sec. M. van Everdingen; 11 Provincial sub-Cttees.; publ. *Heemschut* (Illustrated bi-monthly).

Goed Wonen, Stichting ter bevordering van de Wooncultuur in Nederland (*Goed Wonen, Foundation for the improvement of living in the Netherlands*): Amsterdam, Leidsestaat 5; Dir. J. S. Luiting and Mrs. J. Wibaut.

Maatschappij "Arti et Amicitiae": Amsterdam, Rokin 112; a national society of painters and sculptors; f. 1839; 270 mems.; library of 6,000 vols.; Pres. Geurt Brinkgreve; Hon. Sec. K. Heynsius; Treas. A. P. van Mever.

Pulchri Studio: The Hague, Lange Voorhout 15; f. 1847; Society of Painters, Sculptors and Engravers, Exhibition of Fine Arts; 180 mems.; Chair. Wibbo Hartman; Sec. J. P. Vogelpoel.

Rijksakademie van Beeldende Kunsten (*State Academy of Fine Arts*): Amsterdam, Stadhouderskade 86; f. 1653; Dir. Prof. Dr. N. R. A. Vroom.

Rijksbureau voor Kunsthistorische Documentatie (*Netherlands Institute for Art History*): The Hague, 7 Korte Vijverberg; f. 1930; 150,000 vols. and catalogues, 550,000 photos and reproductions; Dir. Dr. H. Gerson; publs. *Annual Report, Bulletin, Bibliography, Iconographic Index, Répertoire des Catalogues de Ventes.*

Vereeniging "Sint Lucas" (*St. Luke Asscn.*): Amsterdam, Zomerdijk-straat 20; f. 1880; Chair. Bart Peizel; Sec. Theo Swagemakers.

Biology

Koninklijke Nederlandse Botanische Vereniging (*Royal Netherlands Botanical Society*): Amsterdam; f. 1845; 800 mems.; Pres. Prof. Dr. W. K. H. Karstens; Hon. 1st Sec. Dr. V. Westhoff, Koninginnelaan 3, Driebergen; publs. *Acta Botanica Neerlandica, Wentia, Flora Neerlandica.*

Koninklijk Zoölogisch Genootschap "Natura Artis Magistra" (*Royal Zoological Society*): Amsterdam, Plantage Kerklaan 40; f. 1838; Dir. Dr. E. F. Jacobi; Dep. Dir. Drs. J. W. Overgoor; Curator Drs. W. G. Pelt, publs. *Bijdragen tot de Dierkunde, Artis* (bi-monthly).

Nederlandsche Entomologische Vereeniging (*Netherlands Entomological Society*): Amsterdam; f. 1845; approx 525 mems.; Pres. Dr. J. van der Vecht; Sec. W. Hellinga, Amsterdam O, Zeeburgerdijk 21; publs. *Tijdschrift voor Entomologie, Entomologische Berichten, Entomologia Experimentalis et Applicata, Monographieën Nederlandsche Entomologische Vereeniging.*

Nederlandse Vereniging voor Parasitologie (*Netherlands Society for Parasitology*): Biltstraat 172, Utrecht; f. 1962; 75 mems.; Pres. Prof. Dr. P. H. van Thiel; Sec. Dr. J. Jansen; Treas. H. J. Over.

Chemistry

Koninklijke Nederlandse Chemische Vereniging (*Royal Netherlands Chemical Society*): The Hague, Burnierstraat 1; f. 1903; 5,600 mems.; Pres. Prof. Dr. P. M. Heertjes; Sec. Dr. W. F. Haak; publs. *Chemisch Weekblad* (weekly), *Recueil des travaux chimiques des Pays-Bas* (monthly), *Chemisch Jaarboekje* (annual).

Economics

Nederlandsch Economisch Instituut (*Netherlands Economics Institute*): Nederlandsche Economische Hoogeschool, Pieter de Hoochweg 118, Rotterdam.

Education

Netherlands Institute of Industrial Education: Zeist; Dir. Prof. B. C. J. Lievegoed; Dep. Dir. Dr. J. H. Kraak.

Geography, Geology

Koninklijk Nederlandsch Aardrijkskundig Genootschap (*Royal Netherlands Geographical Society*): Amsterdam, O., Linnæusstraat 2a, Kamer 157; f. 1873; Pres. Prof. Dr. J. P. Bakker; Secs. Dr. J. B. van Hall, Dr. J. J. Cardijnaals; 1,500 mems.; library contains 13,000 vols., 600 periodicals, 30,000 maps and charts; publ. *Tidjschrift van het Koninklijk Nederlandsch Aardrijkskundig Genootschap* (*T.A.G.*)(quarterly).

Koninklijk Nederlands Geologisch Mijnbouwkundig Genootschap (*Royal Netherlands Geological and Mining Society*): Haarlem, Spaarne 17; f. 1912; Pres. Prof. Dr. L. U. de Sitter; Sec. Dr. A. A. Thiadens; Mining Section: Pres. Ir. J. Kraak; Sec. Ir. A. W. Snell; Geological Section: Pres. Prof. Dr. E. den Tex; Sec. Dr. L. dan der Plas; publs. *Geologie en Mijnbouw* (monthly), *Verhandelingen* (Memoirs).

Nederlandse Vereniging voor Economische en Sociale Geografie (*Netherlands Asscn. for Economic and Social Geography*): Rotterdam, Pieter de Hoochweg 122; f. 1909; Pres. Dr. W. A. F. Stokhuyzen; Sec. Drs. H. Kuipers, Pieter de Hoochweg 122, Rotterdam 6; publ. *Tijdschrift voor Economische en Sociale Geografie* (monthly).

History

Historisch Genootschap (*Historical Asscn.*): Utrecht, Wittevrouwenstraat 11; f. 1845; 720 mems.; Pres. Prof. Dr. C. D. J. Brandt; Sec. Prof. Dr. J. H. Kernkamp, Bilthoven, Rubenslaan 56; publs. *Werken, Bijdragen en Mededelingen en Verslagen.*

Historisch Genootschap "de Maze" (*Historical Association "de Maze"*): Rotterdam; f. 1934; 100 mems.; Chair. W. F. Lichtenauer; Hon. Sec. H. Schmitz, Rotterdam, Spoorsingel 9.

Vereniging "Gelre": Arnhem, Marktstraat 1; f. 1899; historical society of the province Gelderland; publs. *Bijdragen en Mededelingen, Werken.*

International Culture

British Council, The: Keizersgracht 343, Amsterdam; incorporates the British Library of 20,000 vols.; Rep. H. G. Wayment.

Goethe Institut: Amsterdam; Dir. M. F. E. van Bruggen.

Institut Français: Maison Descartes, Museumplein 11, Amsterdam.

Internationaal Instituut voor Sociale Geschiedenis (*International Institute for Social History*): Amsterdam, Keizersgracht 264; f. 1934; library of 320,000 vols.; Dir. Prof. Dr. A. J. C. Rüter; Librarian Miss M. Hunink.

Istituto Italiano di Cultura: Mauritskade 21, The Hague; Dir. Prof. Alessandro de Masi.

Koninklijk Instituut voor de Tropen (*Royal Tropical Institute*): Amsterdam, Mauritskade 63; f. 1910; 1,200 mems.; 60,000 vols.; Pres. Ir. L. Schepers; Gen. Sec. Dr. C. Nagtegaal; Librarian J. B. van Hall; publs. *Jaarverslag* (annual report), *Driemaandelijos Periodiek* (quarterly periodical), *Tropical Abstracts* (monthly), Country Documentation, Transactions of the Department of Agricultural Research, Communications of the Department of Anthropology, and occasional publications.

Koninklijk Instituut voor Taal-, Land- en Volkenkunde (*Royal Institute for Linguistics, Geography and Ethnology*): The Hague, van Galenstraat 14; f. 1851; 480 mems.; Pres. Prof. Dr. E. M. Uhlenbeck; Sec. Dr. P. Voorhoeve; publs. *Bijdragen* (quarterly), *Verhandelingen, Werken.*

Netherlands-America Institute: Museumplein 4, Amsterdam; library of 10,000 vols.

Netherlands Universities Foundation for International Co-operation: The Hague, Noordeinde Palace, Molenstraat 27; f. 1952 by the Netherlands universities to promote international co-operation in the academic and scientific field; administers summer courses and post-graduate international courses; mediates educational and scientific help to developing countries; Hon. Chair. H.R.H. The Prince of the Netherlands; Chair. Prof. L. G. A. Schlichting; Dirs. Prof. Dr. E. de Vries, H. G. Quik; publ. *Higher Education and Research in the Netherlands* (a quarterly bulletin with English, French, Spanish and German editions.)

U.S. Information Center: Lange Voorhout 102, The Hague.

Law

International Law Association (Netherlands Branch): f. 1910; Pres. Prof. Dr. J. P. A. François; Hon. Sec. Prof. Dr. M. Bos, Utrecht, Janskerkhof 16.

Volkenrechtelijk Instituut (*International Law Institute*). Utrecht University, Janskerkhof 16; Dir. Prof. Dr. M. Bos.

Literature, Philology

Maatschappij der Nederlandse Letterkunde (*Society of Netherlands Literature*): Leiden, Rapenburg 62; 1,050 mems.; Chair. Prof. Dr. C. A. Zaalberg; Sec. Dirk de Jong; publ. *Tijdschrift voor Nederlandse Taal-en Letterkunde* (annual), *Jaarboek der Maatschappij, Leidse en Zwolse Drukken en Herdrukken, Bibliotheek der Nederlandse Letteren.*

Nederlandsche Vereeniging voor Druk- en Boekkunst (*Netherlands Society for the Art of Printing and Book-production*): Haarlem, Bestevaerstr. 10; f. 1938; 300 mems.; Chair. Dr. G. W. Ovink; Sec. F. Mayer; Treas. P. A. Dijkema; publs. *Mededelingen* (irregular) and books.

Netherlands Centre of the International P.E.N.: Arnhem, Gabriëlstraat 63; f. 1923; 226 mems.; Pres. Willem Brandt; Sec. Jan H. de Groot.

Vereeniging Het Nederlands Philologen-Congres (*Philological Asscn.*): The Hague, Van Alkemadelaan 598; f. 1919; 700 mems.; Pres. Prof. Dr. G. J. Enk; Sec. Dr. L. J. Guittart; publ. *Handelingen* (every two years).

Mathematics

Wiskundig Genootschap (*Mathematical Society*): Amsterdam C, Singel 421; f. 1778; approx. 480 mems.; library containing journals of physics and mathematics; Pres. Prof. Dr. F. van der Blij; Sec. Dr. J. G. Dijkman, Gedempte Oude Gracht 121, Haarlem; Treas. Prof. Dr. F. Loonstra; librarian Prof. Dr. J. F. Koksma; publ. *Nieuw Archief voor Wiskunde* (three times a year), *Wiskundige Opgaven* (annually).

Medicine

Algemene Nederlandse Vereniging voor Sociale Geneeskunde (*General Netherlands Society for Social Medicine and Public Health*): Wassenaarseweg 56, Leiden; f. 1930; approx. 1,400 mems.; Sec. Dr. F. Doeleman, M.D.; publ. *Tijdschrift voor Sociale Geneeskunde.*

Genootschap tot bevordering van Natuur- Genees- en Heelkunde (*Asscn. for Advancement of Natural, Medical and Surgical Sciences*): Amsterdam; f. 1790; Pres. Prof. Dr. H. Gerding; Sec. Prof. Dr. T. Y. Kingma Boltjes; publ. *Werken.*

Koninklijke Nederlandsche Maatschappij tot Bevordering der Geneeskunst (*Royal Netherlands Asscn. for Advancement of Medicine*): Amsterdam, Keizersgracht 327; f. 1849; 11,500 mems.; Pres. C. L. van Woelderen, M.D.; Sec. G. Dekker, M.D.; publ. *Medisch Contact* (weekly).

Koninklijke Nederlandse Maatschappij ter bevordering der Pharmacie (*Royal Netherlands Asscn. for Advancement of Pharmacy*): The Hague, Alexanderstraat 11; f. 1842; approx. 1,115 mems.; Pres. H. A. A. J. Martens; Sec. G. Beudeker; publ. *Pharmaceutisch Weekblad.*

Nederlandse Vereniging voor Psychiatrie en Neurologie (*Netherlands Asscn. for Psychiatry and Neurology*): Den Dolder, Willem Arntsz Hoeve; f. 1872; 800 mems.; Pres. Prof. Dr. W. G. Sillevis Smitt; Sec. Prof. Dr. A. Poslavsky; publ. *Psychiatria Neurologia Neurochirurgia.*

Nederlandsche Vereeniging voor Tropische Geneeskunde (*Netherlands Society of Tropical Medicine*): f. 1907; 400 mems.; Chair. Dr. A. Bonebakker; Sec. Dr. W. de Loos, P.O.B. 874, Rotterdam.

Nederlands Medisch Nautisch Genootschap (*Netherlands Medical Nautical Society*): f. 1961; 60 mems.; Chair. Dr. F. E. J. Bouricius; Hon. Sec. Dr. S. Oderkerk, Amsteldijk 75h, Amsterdam.

Music

Koninklijke Nederlandsche Toonkunstenaars-vereeniging (*Royal Netherlands Asscn. of Musicians*): Amsterdam, Vondelstraat 66; f. 1875; 2,000 mems.; Chair. Johan van den Boogert; Sec. Rien Hasselaar; publ. *Samenklank* (ten issues yearly).

Maatschappij tot Bevordering der Toonkunst (*Society for Advancement of Music*): Amsterdam, Johannes Verhulststraat 74; f. 1829; 6,000 mems.; library contains 30,000 vols.; Chair. Prof. Dr. Ed. Reeser; Sec. Wouter Paap; publ. *Toonkunst-Nieuws.*

Nederlandse Toonkunstenaarsraad (*Council of all Organisations of Musicians in the Netherlands*): Amsterdam, Staalstraat 19; f. 1948; object: to protect professional interests; 3,205 mems.; Chair. G. J. G. Leonhardt; Sec. Prof. Dr. Jos. Smits van Waesberghe; publ. *A Musical Guide for Holland* (triennial).

Wagnervereeniging (*Wagner Society*): Amsterdam, Honthorst str. 10; f. 1883; 1,200 mems.; Chair. J. M. Honig; Sec. Evert Cornelis.

Philosophy

Bataafsch Genootschap der Proefondervindelijke Wijsbegeerte (*Experimental Philosophical Asscn.*): Rotterdam, P.O. Box 597; f. 1769; Pres. Prof. Dr. H. J. Flieringa; Sec. Ir. A. Havinga.

SCIENCE

Hollandsche Maatschappij der Wetenschappen (*Netherlands Society of Sciences*): Spaarne 17, Haarlem; f. 1752; 250 mems.; furthering contact between scientists and laymen by arranging lectures on scientific subjects and awarding annual prizes and subsidies for research and publication of scientific work; Pres. Dr. J. E. BARON DE VOS VAN STEENWIJK; Sec. Prof. Dr. R. J. FORBES.

Thijmgenootschap (Vereniging tot het Bevorderen van de Beoefening der Wetenschap onder Katholieken in Nederland) (*Catholic Scientific Association in the Netherlands*): van Slichtenhorststraat 101, Nijmegen; f. 1904; sections in Law, Medicine, Science, Literature and Philosophy, Economics, Psychology, Sociology, Pedagogy and Theology; Pres. Prof. Dr. J. SNYDERS; publ. *Annalen van het Thijmgenootschap* (quarterly), Chief Editor Prof. Dr. J. H. TERLINGEN, Nijmegen.

STATISTICS

Centraal Bureau voor de Statistiek (*Central Bureau of Statistics*): The Hague, Oostduinlaan 2; f. 1899; Dir. Prof. Dr. PH. J. IDENBURG; publs. *Maandschrift van het Centraal Bureau voor de Statistiek* (Monthly Bulletin of the Netherlands Central Bureau of Statistics), *Jaarcijfers voor Nederland* (Statistical Yearbook of the Netherlands), *Statistisch zakboek* (Pocket Yearbook), *Statistical Studies* (contains English translations of reports on methodology and of other articles of interest to readers abroad and international organisations).

TECHNOLOGY

Koninklijk Instituut van Ingenieurs (*Royal Inst. of Engineers in the Netherlands*): The Hague, Prinsessegracht; 23; f. 1847; 11,000 mems.; library of 45,000 vols.; Pres. Ir. A. G. MARIS; Vice-Pres. Prof. Ir. F. M. C. BERKHOUT, Ir. L. SCHEPERS; Sec.-Gen. Ir. J. LIGTHART; publs. *De Ingenieur* (weekly paper), various reports.

RESEARCH INSTITUTES

SCIENCE (APPLIED)

Nederlandsche Centrale Organisatie TNO (*Central Organisation for Applied Scientific Research in the Netherlands TNO*): The Hague, P.O. Box 297, Juliana van Stolberglaan 148; f. 1930 to ensure that applied scientific research is put at the service of the community in the most efficient manner possible; four branch organisations have been established (*see below*): the Central Organisation acts as a co-ordinating body and executes work in fields where no specialised organisation exists; the Board is appointed by the Crown from nominations submitted, half by the Royal Academy of Sciences and half by the Social and Economic Council; total staff approx. 3,800; Pres. Prof. Dr. H. W. JULIUS; Gen. Sec. Drs. H. G. ROEBERSEN; Librarian head office H. H. R. ROELOFS HEYRMANS; publs. *TNO-Nieuws* (monthly), *Report* (annual).

The Central Organisation TNO groups 12 research institutes, departments and committees, including:

Nationale Raad voor Landbouwkundig Onderzoek TNO (*National Council for Agricultural Research TNO*): The Hague, P.O. Box 297, Juliana van Stolberglaan 148; f. 1957; Pres. Ir. J. W. WELLEN; Sec. Ir. G. WANSINK; co-ordinates 33 institutes and research departments.

The four branch organisations are:

Nijverheidsorganisatie TNO (*Organisation for Industrial Research TNO*): The Hague, P.O. Box 297, Juliana van Stolberglaan 148; f. 1934; groups 25 institutes and research departments; Pres. Prof. Ir. L. TROOST; Sec..Drs. E. C. HAGEMAN.

Voedingsorganisatie TNO (*Organisation for Nutrition and Food Research TNO*): The Hague, P.O. Box 297, Juliana van Stolberglaan 148; f. 1940; Pres. Dr. M. VAN EEKELEN; Asst. Sec. E. J. MEIS; groups 3 research institutes.

Rijksverdedigingorganisatie TNO (*National Defence Research Organisation TNO*): The Hague, P.O. Box 208, Koningin Marialaan 21; f. 1946; groups 4 laboratories and 1 research institute; Pres. Prof. Dr. G. J. SIZOO; Sec. P. F. TANJA.

Gezondheidsorganisatie TNO (*Organisation for Health Research TNO*): The Hague, P.O. Box 297, Juliana van Stolberglaan 148; f. 1949; includes 6 research institutes and departments; Pres. Prof. Dr. J. W. TESCH; Sec. Drs. F. H. J. ESSENSTAM.

SCIENCE (PURE)

Nederlandse Organisatie voor Zuiver-Wetenschappelijk Onderzoek (Z.W.O.) (*Netherlands Organisation for the Advancement of Pure Research*): P.O. Box 2138, Juliana van Stolbeglaan 148, The Hague; f. 1950; aims to promote pure scientific research in and outside the universities and "hoge-scholen", particularly by awarding grants, and to co-ordinate this research by all expedient means; to promote applied scientific research in the field of the humanities and social sciences; Pres. Prof. J. N. BAKHUIZEN VAN DEN BRINK; Dir. J. H. BANNIER; publs. *Jaarboek*, current research in the Netherlands.

AGRICULTURE, BOTANY, HORTICULTURE

Botanische Laboratoria en Hortus Botanicus (*Botanical Institutes and Botanic Gardens*), **Genetical Institute,** Amsterdam O, Kruislaan 300; Dir. Prof. Dr. F. BIANCHI. **Hugo de Vries-Laboratorium voor Bijzondere Plantkunde,** Amsterdam C, Plantage Middenlaan 2A; f. 1876; library of 15,000 vols.; Dir. Prof. Dr. A. D. J. MEEUSE. **Laboratorium voor Algemene Plantkunde, Plantenphysiologie en Pharmacognosie,** Amsterdam C, Plantage Middenlaan 2 and Ydijk 26; Dir. Prof. Dr. A. W. H. VAN HERK. **Hortus Botanicus,** Amsterdam C, Plantage Middenlaan 2; Dir. Prof. Dr. A. W. H. VAN HERK; Garden Keeper G. A. M. PISART. All are attached to the University of Amsterdam.

Botanisch Laboratorium: Groningen, Grote Rozenstraat 31; f. 1874; laboratory for plant physiology; Dir. Prof. Dr. M. VAN RAALTE; laboratory for systematical botany, Dir. Prof. Dr. R. V.D. WIJK.

Hortus Botanicus: Groningen; f. 1642; Hortus de Wolf, Haren; f. 1929; Horticulturist C. M. VERLOOP.

Instituut voor Bewaring en Verwerking van Tuinbouwproducten (*Institute for Research on Storage and Processing of Horticultural Produce*): Wageningen, Haagsteeg 6, Postbus 17; Dir. Ir. T. VAN HIELE.

Instituut voor Bewaring en Verwerking van Landbouwprodukten (*Institute for Storage and Processing of Agricultural Produce*): Wageningen, Bornsesteeg 59, P.O. Box 18; f. 1956; 90 mems.; Dir. Ir. P. WIERTSEMA; Sec. J. H. CATTERMOLEN; Heads of Divisions: Technology J. KREYGER, Agriculture Ir. H. SPARENBERG, Laboratory Ir. G. W. WIERINGA.

Instituut voor Biologisch en Scheikundig Onderzoek van Landbouwgewassen (*Institute for Biological and Chemical Research on Field Crops and Herbage*); Wageningen, Bornsesteeg 65; f. 1956; Dir. Prof. Dr. T. G. J. VERVELDE.

Instituut voor Landbouwtechniek en Rationalisatie (*Institute of Agricultural Engineering and Rationalization*): Wageningen, Dr. S.L. Mansholtlaan 12; f. 1949; Dir. Ir. F. COOLMAN.

Instituut voor Plantenziektenkundig Onderzoek I.P.O. (*Institute of Phytopathological Research*): Wageningen, Binnenhaven 12; Dir. Dr. J. G. TEN HOUTEN.

Instituut voor Tuinbouwtechniek (*Institute of Horticultural Engineering*): Wageningen, Dr. L.S. Mansholtlaan 10; f. 1944; Dir. Dr. Ir. E. W. B. v. d. MUIJZENBERG.

Instituut voor de Veredeling van Tuinbouwgewassen (*Institute of Horticultural Plant-Breeding*): Wageningen, P.O. Box 16, Dr. S. L. Mansholtlaan 15; f. 1936-1943; Dir. Dr. O. BANGA.

Internationaal Instituut voor Landaanwinning en cultuurtechniek (*International Institute for Land Reclamation and Improvement*): 15 Prinses Marijkeweg, P.O. Box 45, Wageningen; f. 1956; collects and disseminates information about land reclamation and land improvement, promotes and conducts applied scientific research into the reclamation or improvement of land; Dir. J. M. VAN STAVEREN, M.SC.; publs. *Publication* series, *Bulletin* series, *Bibliography* series, *Annual Report*.

Nederlands Agronomisch-Historisch Instituut (*Institute for Agricultural History*): Groningen, Grote Markt, 26; f. 1949; Dir. Dr. L. S. MEIHUIZEN; Governing Body: J. TUIN, Prof. F. F. X. CERUTTI, N. G. ADDENS; to advance the study of and to facilitate scientific research in agricultural history by maintaining an Institute at Groningen University and an international library; publ. *Historia Agriculturae* (yearly), containing international bibliography of agriculture, history and original documents.

Plantenziektenkundige Dienst (*Plant Protection Service*): Wageningen, Geertjesweg 15; Dir. Dr. N. VAN TIEL.

Proefstation voor de Akker- en Weidebouw (*Research and Advisory Institute for Field Crop and Grassland Husbandry*): Wageningen, P.O. Box 33, Bornsesteeg 45; f. 1956; Dir. Ir. J. H. VOORBURG.

Rijksherbarium (*National Herbarium*): Leiden, Schelpenkade 6; f. 1829; investigation of the flora (taxonomy geography), particularly of the Netherlands and the Far East; library contains 18,200 vols., over 1,000 periodicals; Dir. Dr. C. G. G. J. VAN STEENIS (Phanerog., plant-geogr.); Scientific Staff: Dr. S. J. VAN OOSTSTROOM (Phanerog.), Dr. Miss J. TH. KOSTER (Algae), Dr. R. A. MAAS GEESTERANUS (Lichens, Fungi), Dr. R. C. BAKHUIZEN VAN DEN BRINK (Phanerog.), J. H. KERN (Phanerog.), Dr. C. KALKMAN (Phanerog.), W. VINK (Phanerog.), Dr. M. A. DONK (Fungi), C. BAS (Fungi), TH. J. REICHGELT (Phanerog.), Dr. H. O. SLEUMER (Phanerog.), W. A. VAN HEEL (anat. taxon.), CH. VAN DEN HOEK (Algae), Dr. C. DEN HARTOG (Phanerog., waterpl.), A. TOUW (Mosses), Dr. DING HOU, Dr. P. W. LEENHOUTS, Dr. M. JACOBS (all Phanerog.), E. HENNIPHAN (Ferns), J. MENNEMA (Netherlands flora), M. M. J. VAN BALGOOY (Plant geography); Hon. Collaborators Dr. J. TH. HENRARD, Dr. J .L. VAN SOEST (Taraxaeum), H. S. C. HUYSMAN (Fungi), P. GROENHART (Lichens), CH. MONOD DE FROIDEVILLE (Gram.), Dr. J. HEIMANS (Algae); publs. *Blumea* (general), *Persoonia* (Mycology), *Gorteria* (Netherl. flora), *Flora Malesiana* (Phanerog., ferns), *Flora Malesiana Bulletin*.

Instituut voor Rassenonderzoek van Landbouwgewassen (*Institute for Research on Varieties of Field Crops*): Wageningen, Post Box No. 32; f. 1942; Dir. Ir. J. K. GROENEWOLT.

Rijksproefstation voor Zaadcontrole (*State Seed-Testing Station*): Wageningen, Binnenhaven 1; Dir. Dr. Ir. A. F. SCHOOREL.

Stichting voor Bodemkartering (*Soil Survey Institute*): Wageningen, Bennekom, Postbus 10, Bovenweg 7; f. 1945; Dir. Dr. Ir. F. W. G. PIJLS.

Stichting voor de Nederlandse Vlasteelt en Vlasbewerking (*Foundation for Growing and Processing of Flax in the Netherlands*): Wageningen, Bornsesteeg 45, P.O. Box 26; Agricultural Advisory Officer for Fibre Crops Ir. J. C. FRIEDERICH.

Stichting voor Plantenveredeling (S.V.P.) (*Foundation for Agricultural Plant Breeding*): Wageningen, Law Allee 166; Dir. Dr. F. E. NIJDAM.

GEOLOGY

Geologische Stichting (*Geological Foundation*): Haarlem. Spaarne 17; f. 1903; consists of: (*a*) Geologische Dienst (*Geological Survey*); (*b*) Geologisch Bureau voor het Mijngebied (*Geological Bureau for the Mining Region*), Heerlen, Akerstr. 86-88; Dir. Dr. A. A. THIADENS; publs. geological maps and memoirs.

Geologisch Bureau voor het Mijngebied (*Geological Bureau for the Mining District*): Annexe: Museum; Heerlen, Akerstraat 86-88; f. 1924; Dir. Dr. A. A. THIADENS; publs. annual reports, memoirs.

Geologisch en Mineralogisch Instituut der Rijksuniversiteit (*Geological and Mineralogical Institute of the State University*): Leiden, Garenmarkt 1B; f. 1878; 23,500 vols. in library; Dir. Prof. Dr. L. U. DE SITTER; publ. *Leidse Geologische Mededelingen* (annual).

MARINE BIOLOGY

Nederlands Instituut voor Onderzoek der Zee (*Netherlands Institute for Sea Research, formerly Zoological Station*): Buitenhaven 27, Den Helder; f. 1872; furtherance of marine study; exploitation of the Institute; a laboratory for purely scientific marine research; aquarium; 400 mems.; Dir. of the Institute Dr. J. VERWEY; Scientific Staff: J. W. DE BLOK, A. DRAL, Dr. E. K. DUURSMA, M. FONDS, Dr. I. KRISTENSEN, Dr. H. POSTMA, Dr. J. WESTENBERG; publs. *Tijdschrift der Nederlandse Dierkundige Verenignig (1872-1933)*, *Archives Néerlandaises de Zoologie* (1934 to date), *Fauna en Flora der Zuiderzee* (3 vols., 1932, 1936, 1954), *De Biologie der Zuiderzee tijdens haar drooglegging* (6 issues, 1929-1944), *Netherlands Journal of Sea Research* (1961 to date).

Rijksinstituut voor Visserijonderzoek (*Netherlands Institute for Fishery Research*): Ijmuiden, Haringkade 1; f. 1888; biological, chemical, and hydrographical fishery investigations; Dir. Prof. Dr. P. KORRINGA.

MATHEMATICS, METEOROLOGY, ASTRONOMY

Mathematisch Centrum: Amsterdam O, 2e Boerhaavestraat 49; f. 1946; Consulting Cttee. 75 mems.; Scientific Staff 40 mems.; four sections: (1) Pure Mathematics (Prof. P. C. BAAYEN); (2) Applied Mathematics (Prof. Dr. H. A. LAUWERIER); (3) Mathematical Statistics (Prof. Dr. J. HEMELRIJK); (4) Computation (Prof. Dr. Ir. A. VAN WIJNGAARDEN); library of 6,000 vols., 400 periodicals; Pres. Board of Trustees: J. P. KRUSEMAN; Dirs. Prof. Dr. A. VAN WIJNGAARDEN (Chair.), Prof. Dr. P. C. BAAYEN, Prof. Dr. J. HEMELRIJK, Prof. Dr. J. DE GROOT, Prof. Dr. H. A. LAUWERIER; publs. reports, *Tracts*.

Koninklijk Nederlands Meteorologisch Instituut (*Royal Netherlands Meteorological Institute*): De Bilt; f. 1854; meteorology, climatology, oceanography, seismology, magnetism, geophysics; Dir.-in-Chief Dr. W. BLEEKER; publs. *Jaarboek A. Meteorologie*, *Jaarboek B. Aardmagnetisme*, seismic records, upper-air data, *Mededelingen en Verhandelingen*, and many papers on the above-mentioned subjects.

Branch Office: Rotterdam, Rivierstraat 12; f. 1889; Dir. A. A. FRESCO. This office issues daily weather charts, adjusts compasses, tests nautical and meteorological instruments, corrects charts, pilots, etc., gives information concerning meteorological and oceanographic subjects; library.

Sterrenwacht van Utrecht (*Utrecht Observatory*): "Sonnenborgh" University of Utrecht, Zonnenburg 2, Utrecht; f. 1853; Dir. Prof. C. DE JAGER; studies in solar physics, variable stars, stellar atmospheres, radio-astronomy,

space research; publ. *Recherches de l'Observatoire d'Utrecht*, and reprints.

MEDICINE

Vereniging Het Nederlands Kankerinstituut (*Netherlands Institute for Cancer Research*): Amsterdam C, Sarphatistraat 106-108; f. 1913; Patron H.R.H. JULIANA, Queen of the Netherlands; Pres. Prof. Dr. L. B. W. JONGKEES; Sec. J. H. DE BUSSY; publ. *Jaarboek van Kankeronderzoek en Kankerbestrijding in Nederland* (Yearbook of Cancer Research and Fight against Cancer in the Netherlands).

NUCLEAR SCIENCE

Stichting Fundamenteel Onderzoek der Materie — FOM (*Foundation for Fundamental Research on Matter*): Lucas Bolwerk 4, Utrecht; Man. Dir. Dr. A. A. BOUMANS.

Instituut voor Kernphysisch Onderzoek (*Institute for Nuclear Physics Research*): Oosterringdijk 18, Amsterdam-O.; Dir. Dr. R. VAN LIESHOUT; Scientific Dirs. Prof. Dr. A. H. W. ATEN, Jr., Prof. Dr. P. C. GUGELOT, Dr. R. VAN LIESHOUT, Prof. Dr. A. H. WAPSTRA. The Institute is equipped with 3 accelerators for fundamental nuclear research: a 30 MeV synchro-cyclotron, a 50 MeV linear electron accelerator and a 14 MeV neutron generator and with the necessary auxiliary instrumentation.

Reactor Centrum Nederland — RCN (*Netherlands Reactor Centre*): Scheveningseweg 112, The Hague; f. 1955; Chair. Dr. E. L. KRAMER; Dirs. Drs. W. REYSEGER, Prof. Ir. J. PELSER, Prof. Dr. J. A. GOEDKOOP; Chair. Scientific Advisory Council Prof. Dr. J. H. DE BOER.

The RCN organises and finances applied nuclear research. It was founded with the participation of fifty industrial companies as well as of the Netherlands Government. The main research centre has been established at Petten. Apart from the high-flux material testing reactor (property of Euratom, but handled by RCN staff) and a low-flux reactor, there are a number of laboratories for chemistry, metallurgy and physics. The research programme includes designing and preparing nuclear ship propulsion and sub-critical and critical experiments, research in the field of fuel cycles. RCN organises specialised post-graduate courses, research on isotopes, and a technical documentation centre. It employs a staff of nearly 800, including 130 scientists; publs. *Atoomenergie en haar toepassingen* (monthly).

SOCIOLOGY

Institute of Social Studies: The Hague, Molenstraat 27; f. 1952 by the joint universities of the Netherlands; research and courses in (*a*) National Development (Diploma) and Social Sciences (Master's degree); (*b*) Public Administration (Master's degree); (*c*) Public Administration (Diploma); (*d*) Social Welfare Policy and Child and Youth Welfare Policy (Diploma); Economic Planning and National Accounting (Diploma); (*f*) Statistics (Diploma); (*g*) Comprehensive Planning (Diploma); (*h*) Advanced Research (Predoctoral Examination); Rector Prof. E. DE. VRIES; Dep. Rector Prof. J. P. THIJSSE; Sec. F. W. HONDIUS.

ARCHIVES

Algemeen Rijksarchief te s'Gravenhage (*General State Archives*): The Hague, Bleyenburg 7; f. 1802; 50 kilometres of archives; library of 24,000 vols.; Dir. H. HARDENBERG; Archivists M. A. P. MEILINK-ROELOFSZ, A. E. M. RIBBERINK, J. FOX, J. H. DE VEY MESTDAGH; Librarian J. A. BETTINK.

Archief der Gemeente Leeuwarden en Stedelijke Bibliotheek (*Archives of the City of Leeuwarden, Municipal Library and Art Collection*): Leeuwarden, Raadhuis; f. 1838; works (incl. MSS. and incunabula) about Leeuwarden and the Province of Friesland; art collection, mainly historical; number of vols. approx. 12,000; Archivist and Librarian M. J. VAN LENNEP; publs. *Catalogue, The Hague 1932, Verslag over het Archief, de boekerij en de Kunstverzameling* (annual report).

Archiefgebouw der Gemeente Rotterdam (*General Archives*): Rotterdam, Mathenesserlaan 315; f. 1900; municipal archives, church records, Chamber of Commerce records, etc.; topographical collection; Archivist R. A. D. RENTING; Assts. P. LUCAS, G. J. MENTINK, J. G. B. NIEUWENHUIS, H. W. VAN VELDHUIZEN, Miss G. W. J. VERVEEN; publ. *Rotterdams Jaarboekje* (annual).

Gemeente-Archief (*Municipal Record Office and City Library*): Alkmaar, Oude Gracht 245 (from spring 1966); f. Library 16th century; municipal archives, books about Alkmaar and North Holland, etc.; pictures, prints, maps, objects about Alkmaar and surroundings; number of vols. 30,000; Municipal Archivist TH. P. H. WORTEL; Asst. Archivist J. H. ROMBACH; publ. *Annual Report*.

Gemeente-Archief (*Record Office*): Dordrecht, 1 Stek; f. 1885; archives of the City of Dordrecht; books and prints of Dordrecht and its environs; number of vols. 35,000; Archivist J. J. BEYERMAN, L.D.

Gemeente-Archief (*Record Office*): Kampen; archives of the town 1251-1933; Archivist J. DON; publ. *De Archieven der gemeente kampen*.

Nederlands Instituut voor Documentatie en Registratuur (NIDER) (*Netherlands Institute for Documentation and Filing*): The Hague, Bezuidenhoutseweg 43; f. 1921; trains documentalists, business archivists and special librarians; patent research; Pres. J. G. W. BOLOMEY; Sec. W. E. CLASON; Dir. A VAN DER LAAN; publs. *Tidjschrift voor Efficiency en Documentatie* (*TED*), *Nederlandse Technisch-Wetenschappelijke Literatuur* (*NTWL*).

Rijksarchief in Drente te Assen (*State Archives of Drente*): Assen, Brink 4; f. 1879; public records of the Province of Drente; archives of cloisters, mansions, etc.; number of vols. 3,000; Dir. E. J. WERKMAN.

Rijksarchief in Gelderland: Arnhem, Markstraat 1; f. 1878; contains the archives of the Dukes of Guelders and of other authorities in that area; State Archivist P. J. MEIJ; publ. *Verslagen omtrent 's Rijks Oude Archieven* (Inventories of Archives).

Rijksarchief in Groningen te Groningen (*State Archives of Groningen*): Groningen, St. Jansstraat 2; f. 1824; open daily; Archivist Dr. W. J. FORMSMA.

Rijksarchief in Limburg te Maastricht (*State Archives of Limburg*): Maastricht, St. Pieterstraat 7; open daily; Archivist Dr. G. W. A. PANHUYSEN; publ. *Verslagen omtrent 's Rijks Oude Archieven*.

Rijksarchief in Overijssel (*State Archives of Overijssel*): Zwolle, Sassenpoort; f. 1898; provincial archives 1528-1813, judicial archives 1333-1877, notarial archives 1811-1842, old church registers and civil registers 1592-1842, archives of monasteries 1223-1811, etc.; historical library; length of archives 1,300 yds.; number of vols. 10,000 Archivist Dr. G. J. TER KUILE; Keeper of Records Drs. E. D. EIJKEN.

Rijksarchief in de Provincie Noord-Brabant (*State Archives of North Brabant*): 's-Hertogenbosch, Waterstraat 20; f. 1860; records of, and from, the province, 13th-20th century; No. of charters approx. 6,000, No. of vols.: Record Office 70,000; Library approx. 16,000; Archivist Dr. L. P. L. PIRENNE; publ. *Verslagen omtrent's Rijks oude archieven* (annual report).

Rijksarchief in de Provincie Utrecht (*State Archives of Utrecht*): Utrecht, Drift 27; f. 1843; records of the Province of Utrecht; Archivist Dr. M. P. van Buijtenen; publ. *Verslagen omtrent 's Rijks Oude Archieven.*

Rijksarchief in Zeeland (*Zeeland State Archives*): Middelburg, Abdij 4; f. 1843; open to the public Mon.-Fri.; Archivist P. Scherft.

Rijksinstituut voor Oorlogsdocumentatie (*Netherlands State Institute for War Documentation*): Amsterdam, Herengracht 474; f. 1945; extensive collections on the history of World War II; Board Prof. Dr. B. H. D. Hermesdorf, Prof. Dr. T. P. van der Kooij, Prof. Dr. Jhr. P. J. van Winter; Dir. Dr. L. de Jong.

LIBRARIES

Amersfoort

Bibliotheek van het Oud Katholiek Seminarie (*Library of the Old Catholic Seminary*): Koningin Wilhelminalaan 3; f. 1725; 20,000 vols.; Principal Prof. D. N. de Rijk.

Openbare Leeszaal en Bibliotheek (*Public Library*): Muurhuizen 9; f. 1913; Librarian H. Brouwer; *c.* 30,000 vols.

Rooms Katholieke Openbare Leeszaal en Bibliotheek (*Roman Catholic Public Library*): 16 Korte Gracht; f. 1913; Dir. (vacant); 14,107 vols.

Amsterdam

Administratieve Bibliotheek (*Administrative Library*): Stadhuis Amsterdam, kamer 90, O.Z. Voorburgwal 199; f. 1892; books and periodicals about judicial and administrative subjects; reference library; Librarian G. Gunderman; 35,000 vols.

Bibliotheek der Koninklijke Nederlandse Akademie van Wetenschappen (*Library of Royal Netherlands Academy of Sciences*): Kloveniersburgwal 29; f. 1808; Librarian J. F. Bosch; 215,000 vols.

Bibliotheek der Rijksakademie van Beeldende Kunsten (*Library of State Academy of Fine Arts*): Stadhouderskade 86; 20,000 vols.

Bibliotheek der Vrije Universiteit (*Library of the Free University*): Keizersgracht 164; Librarian Dr. Ir. J. Stellingwerff; 150,000 vols., mainly on Reformed Theology.

Bibliotheek van het Stedelijk Museum (*Library of the Municipal Museum*): Paulus Potterstraat 13; f. 1957; vols. on modern art; 7,500 vols., 30,000 exhibition catalogues, 650 art photographs; Librarian L. Kloet.

Centrale Boekerij van het Koninklijk Instituut voor de Tropen (*Central Library of the Royal Tropical Institute*): Mauritskade 63; f. 1910; Librarian Dr. J. B. van Hall; 60,000 vols., 5,800 periodicals, 2,400 maps.

Openbare Leeszaal en Bibliotheek (*Public Library*): Keizersgracht 444; f. 1919; 19 brs.; music library and library for the blind; Librarian W. de la Court; 450,000 vols.

Universiteitsbibliotheek (*University Library*): Singel 421; f. 1578; Dir. and Chief Librarian Prof. H. de la Fontaine Verwey; over 1,500,000 vols., 62,000 MSS; includes Bibliotheca Rosenthaliana; f. 1880; 60,000 vols.

Arnhem

Gelderse Bibliotheek (*Scientific Library*): f. 1856; Librarian K. Schaap; 100,000 vols., 130 MSS.

Openbare Leeszaal en Bibliotheek (*Public Library*): Marienburgstraat 12; f. 1919; Librarian Tj. Meijer; 65,500 vols.

De Bilt

Bibliotheek van het Koninklijk Nederlands Meteorologisch Instituut (*Library of Royal Netherlands Meteorological Institute*): f. 1849; Librarian B. Heyna; 45,000 vols.

Openbare Leeszaal en Bibliotheek (*Public Library*): f. 1920; Librarian Miss A. J. Kliphuis; 25,000 vols.

Roomsch-Katholieke Openbare Leeszaal en Bibliotheek (*Roman Catholic Public Library*): f. 1915; Librarian Miss J. van der Hulst; 19,000 vols.

Delft

Bibliotheek der Technische Hogeschool (*Library of the Technological University*): Doelenstraat 101; f. 1842; 300,000 vols., 3,000 current periodicals; Dir. Dr. L. J. van der Wolk.

Gemeentebibliotheek (*Communal Library*): Oude Delft 169; f. 1246; the same building houses the municipal archives; Librarian Dr. D. P. Oosterbaan.

Rooms Katholieke Leeszaal en Bibliotheek (*Roman Catholic Public Library*): Koornmarkt 48; f. 1916; Librarian Miss L. M. M. van der Hulst; 17,830 vols.

Deventer

Athenæum-Bibliotheek (*Municipal Library*): Stadhuis; f. 1560; Librarian Dr. A. C. F. Koch; 85,000 vols., 520 MSS., 285 incunabula, 350 post incunabula, 2,200 engravings.

Dordrecht

Openbare Leeszaal en Bibliotheek (*Public Library*): Wijnstraat 102-104; f. 1899; Librarian Miss A. E. Robbers; 64,926 vols.; Children's Dept., 10,655 vols.; 3,470 mems.

Echt

Bibliotheca Tilboschensis (*Tilbosch Library*): f. 1885; Librarian P. U. Strijbosch; 20,000 vols.

Eindhoven

Bibliotheek der Technische Hogeschool: Insulindelaan 2; Dir. Dr. C. Groeneveld.

Roomsch-Katholieke Openbare Leeszaal en Boekerij (*Roman Catholic Public Library*): Eindhoven-Rechtestraat 52; f. 1915; Librarian A. H. Systermans; 38,000 vols.

Enschede

Bibliotheek der Technische Hogeschool: P.O. Box 217; Dr. J. van Twist.

Groningen

Bibliotheek der Rijksuniversiteit te Groningen (*University Library*): Zwanestraat 33; f. 1615; W. R. H. Koops; 500,000 vols., 900 MSS., 200 incunabula.

Openbare Bibliotheek (*Public Library*): Kwinkenplein 8; f. 1903; Librarian J. A. Nuiver; 121,926 vols.

Haarlem

Bibliotheek van Teyler's Stichting (*Teyler Endowment Library*): Damstraat 21; f. 1778; Librarian Dr. R. Lorentz; 100,000 vols.

Stads-Bibliotheek en Leeszaal (*Public Library*): Prinsenhof; f. 1596; Dir. C. van Dyk; 218,000 vols., 150 MSS., 174 incunabula; publ. *Aanwinsten der Stads-Bibliotheek en Leeszaal.*

The Hague

Bibliotheek van de Economische Voorlichtingsdient (*Library of the Economic Information Service*): Bezuidenhoutseweg 151; f. 1936; Librarian Miss Gerda M. van Andel; 80,000 vols., 2,400 current periodicals; centre of economic documentation and information department; publs. bibliographies, abstracts, *Economic Abstracts* (twice a month).

Bibliotheek van het Centraal Bureau voor de Statistiek (*Library of the Netherlands Central Bureau of Statistics*): Oostduinlaan 2; f. 1899; 79,000 vols.; Librarian H. W. J. Groenenberg.

Bibliotheek van het Vredespaleis (*Library of the Peace Palace*): f. 1913; international law, law of the various countries, diplomatic history, international relations; Grotius Collection; Dir. and Chief Librarian Prof. Dr. B. LANDHEER; 450,000 vols.; publs. *Catalogue, Selective Bibliographies, Survey of Literature on Public and Private International Law.*

Bibliotheek van de Tweede Kamer der Staten-Generaal (*Library of the Second Chamber of the States-General*): Binnenhof 1a; f. 1815; Librarian Miss S. BLAAUW; 107,000 vols.

Katholieke Openbare Leeszaal en Bibliotheek (*Catholic Public Library*): Sophialaan 9; f. 1918; Chief Librarian Miss L. TH. M. J. VERAART; 60,000 vols.

Koninklijke Bibliotheek (*Royal Library*): Lange Voorhout 34; f. 1798; Librarian Dr. C. REEDIJK; 800,000 vols., 30,000 MSS.

Openbare Bibliotheek (*Public Library*): Bilderdijkstraat 1-7; f. 1906; Dir. P. J. VAN SWIGCHEM; 300,000 vols.

Heemstede

Bibliotheek van het Seminarie "Hageveld" (*Library of the "Hageveld" Seminary*): Cloosterweg 24; f. 1817; Librarian G. Q. A. MEERSHOEK; 50,000 vols. of classics and modern languages, and early Church texts.

s'-Hertogenbosch

Bibliotheek van het Provinciaal Genootschap van Kunsten en Wetenschappen in Noord-Brabant (*Library of North Brabant Provincial Association for Art and Science*): Bethaniëstraat 4; 1837; Librarian Dr. F. J. M. VAN DE VEN; 43,000 vols.; topographical and historical engravings and drawings, etc.

Openbare Leeszaal en Boekerij op Roomsch Katholieke grondslag (*Roman Catholic Public Library*): Choorstraat 16; f. 1915; 26,000 vols.

Hilversum

Openbare Leeszaal en Bibliotheek (*Public Library*): 's-Gravelandseweg 55; f. 1909; Librarian J. H. MÜLLER; 72,635 vols.

Leeuwarden

Buma Bibliotheek (*Buma Library*): Gr. Kerkstraat 29; f. 1876; Librarian Dr. S. DOUMA; vols. on Greek and Roman antiquities; 36,000 vols.

Provinciale Bibliotheek van Friesland (*Frisian Provincial Library*): Kanselarij; f. 1852; Librarian Dr. SJ. DOUMA; 200,000 vols.

Leyden

Bibliotheek der Rijksuniversiteit (*Library of the State University*): Rapenburg 70-74; f. 1575; Librarian J. R. DE GROOT; 1,750,000 vols., 15,500 MSS., 40,000 maps.

Bibliotheek van de Maatschappij der Nederlandse Letterkunde (*Library of the Society of Netherlands Literature*): Rapenburg 70-74; f. 1766; Librarian J. R. DE GROOT; 100,000 vols., 2,000 MSS. on loan to Library of University of Leyden.

Openbare Bibliotheek "Reuvens" (*Reuvens Public Library*): Breestraat 27; f. 1910; Librarian Miss H. B. A. HEYSE; 30,000 vols.; publs. lists of new books.

Maastricht

Bibliotheek van het Canisianum (*Theological Library*): Tongerse Straat 53; f. 1852; theology; 200,000 vols.; Librarian Dr. ALPH. HOUBEN.

Stadsarchief en- Bibliotheek (*Communal Archives and Library*): Vrijthof 47; f. 1662; Archivist-Librarian H. H. E. WOUTERS; 95,000 vols., 500 MSS.

Middelburg

Provinciale Bibliotheek van Zeeland (*Zeeland Provincial Library*): Abdijplein 9 (Abdijgebouwen); f. 1859; Librarian W. DE BRUINE; 200,000 vols., 3,000 MSS.

Nijmegen

Bibliotheek Katholieke Universiteit (*Library of the Catholic University*): van Schaeck Mathonsingel 4; f. 1923; Librarian Dr. A. P. M. KIEVITS; 500,000 vols.

Rotterdam

Bibliotheek van de Nederlandse Economische Hogeschool (*Library of the Netherlands School of Economics*): Pieter de Hoochweg 122; 170,000 vols.; Librarian P. F. VAN MILAAN.

Bibliotheek en Leeszalen der Gemeente (*Municipal Library*): Nieuwe Markt 1; f. 1604; Chief Librarian Dr. E. VAN GULIK; 480,000 vols., 200 MSS., Erasmus collection 2,200 vols.

Rotterdamsch Leeskabinet (*Rotterdam Library*): Parklaan 3; f. 1859; literature, history, art, law, etc.; 1,555 mems.; Librarian Dr. J. H. J. VAN DER POT; 115,000 vols.; publs. *Kwartaalbericht, Jaarverslag.*

Tilburg

Bibliotheek der Katholieke Hogeschool (*Library of the Catholic University*): Hogeschoollaan 225; f. 1927; 109,000 vols.; Librarian W. M. J. JANSEN.

Bibliotheek der Katholieke Leergangen: Bosscheweg 341; 50,000 vols.; Librarian (Vacant).

Bibliotheek Moederhuis: Gasthuisstraat 68; f. 1845; scientific and educational; Librarian Fr. M. JOANNE DAMASCENUS; 65,000 vols.; publs. *Ons Eigen Blad* (monthly for teachers), *Opvoedkundige Brochurenreeks* (for teachers), *De Engelbewaarder* (monthly for children).

Utrecht

Bibliotheek der Rijksuniversiteit (*Library of the State University*): Wittevrouwenstraat 11; f. 1581; Librarian D. GROSHEIDE; 850,000 vols., 2,500 MSS.

Openbare Leeszaal en Bibliotheek (*Public Library*): Voetiustraat 2; f. 1891; Chief Librarian E. J. ZWAGER-GEHNER; 130,000 vols.; 6 brs.

Rooms-Katholieke Openbare Leeszaal en Bibliotheek (*Roman Catholic Public Library*): Nieuwe Gracht 30; f. 1918; Librarian A. P. F. M. KEMME; 70,000 vols.; children's library; 8 brs.

Wageningen

Bibliotheek der Landbouwhogeschool (*Library of the Agricultural University*): Gen. Foulkesweg 1a; f. 1873; Librarian TH. P. LOOSJES; 400,000 vols.

Wittem

Bibliotheek van het "Alphonsianum" Studiehuis der Nederlandse Redemptoristen (*Library of the Netherlands College of Redemptorist Fathers*): f. 1836; 85,000 vols., chiefly on Roman Catholic theology; collection of old Roman Catholic moral and pastoral theology and books of devotion, including MSS. and incunabula; Librarian M. KRINKELS, C.SS.R., D.D.; publs. *Theologie en Zielzorg* (monthly), *Ecclesia Docens* (occasional).

MUSEUMS

Alkmaar

Stedelijk Museum te Alkmaar: Breedstraat; f. 1875; municipal museum; antiquarian and art collection from Alkmaar and its environs, pictures concerning the siege by the Spaniards in 1573, pictures about the civil guard, pictures by Maerten van Heemskerck, Willem van de Velde the Elder, Allart and Caesar B. van Everdingen, Salomon van Ruysdael, Abraham van Beyeren, Gerard Honthorst, Pieter J. Saenredam; objects include old silver, glass, pottery, porcelain and modern art; Dir. TH. P. H. WORTEL.

Amsterdam

Museum Amstelkring: Oudezijds Voorburgwal 40; f. 1887; concealed 17th-century church and exhibits concerning old Amsterdam; Pres. Drs. G. VAN DER KLEIJ; Sec. A. A. K. M. MIDDELHOFF.

Museum van het Koninklijk Inst. voor de Tropen (*Museum of the Royal Tropical Institute*): Linnaeusstraat 2; f. 1910; Chief Curator Dr. J. H. JAGER GERLINGS, LL.D.; publs. papers on the tropics.

Rembrandt-Huis: Jodenbreestr. 4 and 6; f. 1907; Rembrandt etchings and drawings; the artist lived here 1639-58; Curator B. BAKKER; Pres. Mr. CHR. P. VAN EEGHEN; Sec. J. KOK; publ. *De Kroniek van de Vriendenkring van het Rembrandthuis* (bi-monthly).

Rijksmuseum (*State Museum*): Stadhouderskade 42; f. 1808; Dir.-Gen. Dr. A. F. E. VAN SCHENDEL; Gen. Sec. TON KOOT; Curators Pictures Drs. P. J. J. WANTHIEL, C. J. DE BRUYN KOPS; Curators Sculpture and Applied Art Dr. A. DEN BLAAUWEN, Miss M. A. HEUKENSFELDT JANSEN, J. LEEUWENBERG, Miss A. ERKELENS, Mrs. TH. DUYVENE DE WIT, F. LIEFKES; Curators National Historical Collection D. COUVÉE, J. BRAAT, J. B. KIST; Dir. Print Room Dr. K. G. BOON; Curators Dr. J. W. NIEMEYER, Miss L. FRERICHS, Mrs. D. DE HOOP SCHEFFER; Librarian Miss E. DELBRÜCK; Educational Dept. Drs. E. R. MEYER; 40,000 vols. in library; publs. *Bulletin* (quarterly), annual reports, pocket guides and catalogues.

Stedelijk Museum: Paulus Potterstraat 13; f. 1895; modern paintings and sculpture, Dutch and foreign; loan collection paintings and drawings by Vincent van Gogh; collections of paintings by Chagall and Malevitch; temporary exhibitions on modern art; Dirs. E. L. L. DE WILDE, Dr. S. H. LEVIE.

Arnhem

Gemeentemuseum Arnhem (en Historisch Museum voor Gelderland): Utrechtseweg 87; f. 1856; archæology, history, and history of art of Arnhem and Gelderland, art of the lower Rhine area, Dutch painting, famous collections of Delftware, Arnhem Delft, china, glass and old silver, topographic collection of Gelderland, temporary exhibitions of art; Dir. A. J. DE LORM; Keepers: paintings and sculpture J. MEKKINK; applied art and print rooms (Vacant); historic and prehistoric dept. Miss E. L. WAARDENBURG; educational dept. G. J. VAN DER HOEK; Librarian Miss A. J. VAN DEN BERG; Sec. Miss R. NEERINCX.

Rijksmuseum voor Volkskunde "Het Nederlands Openluchtmuseum" (*The Netherlands Open Air Museum*): Schelmseweg 89; f. 1912; folklore and popular culture; library of 18,000 vols.; Dir. Prof. Dr. A. J. BERNET KEMPERS; Sec. P. G. J. M. WAGENAAR; publs. *Annual Report, Bijdragen en Mededelingen* (half-yearly).

Delft

Oranje-Nassau Museum: c/o Prinsenhof Museum, Lange Delft, Delft; collection of pictures, prints, coins relating to the Royal family of the Netherlands, the House of Orange-Nassau, shown in the old cloister building where William of Orange lived and died; Curator A. W. J. MULDER.

Rijksmuseum "Huis Lambert van Meerten" te Delft: Oude Delft 199; f. 1909; old furniture and paintings, Delft pottery, tiles; Dir. D. H. G. BOLTEN.

Stedelijk Museum "Het Prinsenhof": Oude Delft 185; contains historical collection illustrating the Netherlands Independence War 1568-1648, Delft historical collection, paintings of the Delft School; Curator D. H. G. BOLTEN; publ. catalogues.

Den Helder

Museum te Den Helder: f. 1936; exhibits from the Noordholland area; library of 140 vols.; 130 mems.; Curator F. CREUTZBERG, Zoological Station; Sec. E. S. HELD, Singel 53 (Eindhoven).

Stedelijk van Abbe-Museum te Eindhoven: Bilderdijklaan 10; f. 1936; collection of 20th-century Western art including Picasso, Braque, Chagall, Delaunay, Léger, Dufy, Kandinsky, Kokoschka, Miró, Ernst, Lam, Bazaine, Bissière, Manessier, Poliakoff, Jorn, Alechinsky, Tapies, Saura, Dubuffet, Davie, Francis, Hultberg; Dutch contemporary art: Appel, Corneille, Lataster, Lucebert, Benner; Dir. J. LEERING.

Enschede

Rijksmuseum Twenthe te Enschede: Lasondersingel 129; f. 1929; pre-historical finds of eastern parts of the Netherlands; medieval works of art; pictures of 14th-19th centuries; pictures of fauna, and drawings of Saxon buildings; coins; 14,000 vols. in library; Dir. Dr. C. C. W. J. HIJSZELER.

Gouda

Stedelyk Museum "de Moriaan" (*"The Blackamoor" Municipal Museum*): 29 Westhaven; Dutch Merchants' house; collection of Dutch pipes, pottery, Gouda tiles and pictures; Dir. Dr. JAN SCHOUTEN.

Stedelyk Museum "Het Catharina Gasthuis" (*St. Catherine Hospital, Municipal Museum*): 10 Oosthaven; art and history, pictures by Dutch and European Masters; Dir. Drs. JAN SCHOUTEN.

Groningen

Groninger Museum voor Stad en Lande: Praediniussingel 59; f. 1890; prehistory and history; period rooms, including one of a farm from the Groningen-Westerwolde country; paintings of local school; Dutch and Flemish of 16th and 17th century: Rembrandt, Fabritius, Jordaens, Rubens, Sweerts, Teniers; drawings: Rembrandt, Averkamp, Van Goyen, Cuyp, Lievens; 19th- and 20th-century painting; extensive collection of Far-Eastern ceramics; Curator A. WESTERS.

Haarlem

Frans Halsmuseum: Groot Heiligland 62; f. 1913; pictures by Frans Hals and Haarlem school, antique furniture, etc.; Dir. H. P. BAARD; publs. illustrated catalogue (96 pictures) and guide, *Frans Hals and the group-portraits at Haarlem in the Municipal Museum, 1949, Frans Hals—The Civic Guard Portrait Groups, Elsevier, 1949.*

Teylers Museum: Damstraat 21; f. 1778; pictures, drawings, palæontology, geology, mineralogy, natural history, numismatics, physics; Dirs. C. W. THÖNE, TH. A. WESSTRA, P. J. ZONDERVAN, H. E. STERNFERT KROESE, C. W. D. VRIJLAND (Secretary); Curators Prof. Dr. J. Q. VAN REGTEREN ALTENA (Art), J. H. VAN BORSSUM BUISMAN (Art), Prof. Dr. J. KISTEMAKER (Physics), Dr. C. O. VAN REGTEREN ALTENA (Palæontology, Geology, Mineralogy), Dr. ENNO VAN GELDER (Numismatics); publs. *Verhandelingen van Teyler's Godgeleerd Genootschap, Verhandelingen van Teyler's 2e Genootschap.*

The Hague

Gemeentemuseum: Stadhouderslaan 41; f. 1883; collections: history of The Hague; modern arts (paintings sculptures, water-colours, prints, decorative art from 1800 onward); ancient decorative art (Near and Far East, Europe from early Greek to 1800); ceramics, glass, metal, furniture, tapestry; music (old instruments, manuscripts, documentary library); Dir. Dr. L. J. F. WIJSENBEEK; Asst. Dirs. Dr. C. C. F. VON GLEICH (Musical Historic); Dr. BEATRICE JANSEN (Ancient Decorative Art); Dr. W. JOS DE GRUYTER (Modern Art); J. L. LOCHER; H. VAN HAAREN (Pedagogic Dept.); Administrator P. A. FREQUIN; publ. *Mededelingen van de Diesnt voor Schone Kunsten.*

International Press Museum: Javastraat 32, The Hague; library of 8,000 vols., collection of newspapers, periodicals, portraits, coins, cartoons, etc.

Koninklijk Kabinet van Schilderijen (Mauritshuis) (*Royal Picture Gallery*): Korte Vijverberg 8; opened to public as museum 1820; Dutch paintings of the Golden Age (North and South Netherlands Primitives and Flemish Masters); German collection; Dir. Dr. A. B. DE VRIES; Admin. A. J. M. VAN DER VAART; publs. catalogues, illustrated guide books, and Annual Report.

Kostuummuseum (*Costume Museum*): Lange Vijverberg 14; a collection of dresses from about 1750 up till now; Dir. Dr. L. J. F. WIJSENBEEK; Curator Dr. BEATRICE JANSEN; Asst. Curator Miss M. C. DE JONG; Administrator P. A. FREQUIN.

Museum Bredius: Prinsegracht 6; f. 1923; paintings (Rembrandt, Jan Steen, Hercules Seghers, Aert v.d. Neer, Gerard Terborch, Salomon van Ruysdael, Albert Cuyp), drawings (Pieter Breughel, van Goyen, Jacob van Ruysdael, Van Dijck, Rembrandt, etc.), furniture, silver, porcelain, glass; Dir. Dr. L. J. F. WIJSENBEEK; Administrator P. A. FREQUIN.

Nederlands Postmuseum (*Netherlands Postal Museum*): 82 Zeestraat; f. 1929; objects and documents, etc., concerning the history and working of the services of posts, telegraphs and telephones in the Netherlands; international stamp gallery; 8,000 vols. in library; Dir. Dr. R. E. J. WEBER, D.LITT.; Curator Miss E. DRIESSEN; publs. annual reports, illustrated guide (in English).

Rijksmuseum Hendrik Willem Mesdag te 's-Gravenhage: Laan van Meerdervoort 7F; f. 1903; Dutch pictures 1860-1900; French pictures of the Barbizon school, Oriental objects; Dir. Dr. A. B. DE VRIES; Asst. Dir. Mrs. M. LANGE; publ. *Annual Report*.

Rijksmuseum Meermanno-Westreenianum (Museum van het Boek): te 's-Gravenhage, Prinsessegracht 30; Egyptian, Greek and Roman antiquities, mediaeval manuscripts, old and rare books, modern typography; Dir. Dr. C. REEDIJK.

Heerlen

Gemeentelijk Museum te Heerlen: Orphensstraat 2; f. 1877; collection includes model of the town in medieval times and model of *Thermae Coriovallenses*, excavated 1940-41; Pres. J. J. JONGEN; Sec. Dr. L. E. M. A. VAN HOMMERICH; publs. *Het Land van Herle* (bi-monthly). ***Regional Historical Organisation:*** **Pres. J. J. JONGEN; Sec. Dr. L. VAN HOMMERICH; publ. *Bulletin*.**

's Hertogenbosch

Centraal Noordbrabants Museum: Bethaniëstr. 4, 's-Hertogenbosch; f. 1837; open 10 a.m.-5 p.m. (2 p.m.-6 p.m. Sundays if there are exhibitions); North Brabant prehistorical, historical and folklore collections; ancient and modern paintings, prints, coins, library, etc.

Hoorn

Westfries Museum at Hoorn: Rode Steen 1 and 8; f. 1879, 17th- and 18th-century painting, prints; oak panelling; silver, furniture; household and agricultural implements, historical objects from Hoorn and West Friesland, prehistoric finds; Curator T. R. MULDER; publ. annual reports.

Leeuwarden

Kerkmuseum Janum: f. 1947; contains medieval art; Dir. C. BOSCHMA; belongs to the Fries Genootschap van Geschied-, Oudheid-en Taalkunde, Leeuwarden; publ. *Gids van het Museum* 1954.

Fries Genootschap van Geschied-, Oudheid- en Taalkunde Leeuwarden (*Society of Frisian Archæology, History and Philology*): Fries Museum, Koningsstraat 1; f. 1827; 1,776 mems.; Pres. Dr. H. SCHOOTSTRA; Sec. Dr. S. J. FOCKEMA ANDREAE; publs. *De Vrije Fries* (every other year), *Verslag Fries Genootschap* (annual).

Fries Museum: Koningsstraat 1; f. 1827; open daily; Dir. C. BOSCHMA; publs. *Museum Guide* 1956, *Gids Fries Museum* 1965, *Führer Fries Museum* 1958.

Oenkerk (Fr.) Stania-State Agriculture Museum: Koningsstraat 1; f. 1956; belongs to the Fries Genootschap van Geschied-, Oudheid- en Taalkunde, Leeuwarden.

Leiyden

Rijksmuseum van Oudheden: Rapenburg 28; f. 1818; Netherlands prehistory, Egyptian, Mesopotamian, Palestinian, Greco-Roman and ancient European collections; Dir. Prof. Dr. A. KLASENS; publ. *Oudheidkundige Mededelingen*.

Rijksmuseum van Geologie en Mineralogie (*State Museum of Geology and Mineralogy*): van der Werffpark 1; f. 1878; Dir. Dr. C. BEETS; Curators Dr. P. C. ZWAAN, Miss Dr. G. E. DE GROOT, G. KORTENBOUT VAN DER SLUYS, C. J. OVERWEEL, P. VAN GIJZEL, G. VAN DER WEGEN.

Rijksmuseum voor de Geschiedenis der Natuurwetenschappen: Steenstraat 1A; f. 1931; national museum for the history of science; collections of historical scientific instruments, anatomical preparations, portraits; library of 10,000 vols.; Dir. Miss Dr. M. ROOSEBOOM; Asst. Curator P. VAN DER STAR; publ. *Communications Series* (irregular).

Stedelijk Museum "de Lakenhal" te Leiden: Oude Singel 28; f. 1872, in the former Lakenhal, built 1640; pictures of Leiden school; memorial table (triptych) and altar pieces by Lucas van Leyden and C. Engebrechtsz; Rembrandt, Jan Steen, Jan van Goyen, van Mieris, Dou, modern Leiden school: Verster, Kamerlingh Onnes; furniture, silver, glass, tapestry, etc.; periodical rooms; history of the town; Dir. J. N. VAN WESSEM; publs. *Annual Reports, Catalogues, Guide* (both illustrated).

Maastricht

Natuurhistorisch Museum te Maastricht (*Natural History Museum*): Bosquetplein 7; f. 1911; flora, fauna and soils of the Limburg area; 30,000 vols. in library; Dir. Dr. D. G. MONTAGNE; publs. *Natuurhistorisch Maandblad* (monthly), *Publicaties Natuurhistorisch Genootschap* (yearly).

Muiden

Muiderslot (*State Museum*): f. 1871; 13th-century castle furnished as it probably was in the first half of the 17th century, when the castle was a centre of Dutch culture; paintings, tapestries, furniture and armoury; 90,000 visitors a year; Gov. TON KOOT; publ. *Annual Report* and *Guide*.

Nijmegen

Museum van Oudheden te Nijmegen (*Museum of Antiquities*): Marienburg 26; f. 1850; specimens of ware from the German era to the 19th century; folklore; objects from the Guilds of Nijmegen; fragments of architecture; silver by the silversmiths of Nijmegen; Dir. Dr. J. A. B. M. DE JONG.

Rijksmuseum G. M. Kam te Nijmegen: f. 1922 by the late G. M. Kam; contains Roman antiquities (pottery, glass, bronze, etc.) found in Nijmegen and surroundings; also some prehistoric and Frankish antiquities; collections include those of the town of Nijmegen and of the St. Canisius College; Dir. Drs. A. V. M. HUMBRECHT.

Otterlo

Rijksmuseum "Kröller-Müller": "De Hooge Veluwe", National Park; f. 1938; open daily; large collection of paintings by Van Gogh, paintings of the 19th and

20th centuries, old masters, open-air sculpture collection, ceramics, drawings, graphic art.

Roermond

Gemeentelijk Museum "Henry Luyten—Dr. Cuypers Museum": Andersonweg 8; f. 1932; open daily; collections; paintings by Henry Luyten (1859-1945), memories of Dr. P. J. H. Cuypers (1827-1921), etchings by Eug. Lücker (1876-1943), drawings by Dr. Louis Raemaekers (1869-1956), objects about the history of Roermond; Curator J.G.F.M.G. Baron VAN HÖVELL TOT WESTERFLIER.

Rotterdam

Historisch Museum der stad Rotterdam: Korte Hoogstraat 31; f. 1861; objects referring to the history of Rotterdam, ceramics, maps, sculptures, period rooms 18th-19th century, pictures, silver, 17th-century inn; Dir. C. J. DU RY.

Maritiem Museum "Prins Hendrik": Burg. s'Jacobplein 8; f. 1873; models of ships dating back to 15th century, globes, atlases, etc.; Dir. Miss J. B. VAN OVEREEM; Curators Miss E. RIETDYK, B.C.W.LAP.; Librarian Miss S. BARENDRECHT; publs. *Jaarverslag van het Maritiem Museum "Prins Hendrik"*.

Museum Boymans-van Beuningen: Mathenesserlaan 18; f. 1847; old paintings by: Van Eyck, Hier. Bosch, Pieter Breughel the Elder, Pieter Aertsen, Frans Hals, Hercules Seghers, Saenredam, Rembrandt, Carel Fabritius, Jacob van Ruisdael, M. Hobbema, Philips Koninck, Jan Steen, E. de Witte, G. Dou, Rubens, Titian, Veronese, Tintoretto, Watteau, Boucher, etc.; modern paintings by H. Daumier, Jongkind, Monet, Pissarro, Sisley, Gauguin, van Gogh, Signac, Ensor, E. Munch, Kandinsky, van Dongen, Kokoschka, Karel Appel, J. Nanninga, Corneille, A. Jorn, Nic. de Staël, Bazaine, Vieira da Silva, etc.; old and modern sculptures (Rodin, Degas, Renoir, Maillol, Despiau, Marini, etc.); drawings from Dutch, Flemish, French, German, Italian and Spanish schools from the XV-XX centuries; old and modern prints; glass, Dutch silver, old pewter, laces and ceramics, among which an important collection of Persian, Spanish, Italian and Dutch pottery and tiles, furniture; Dir. J. C. EBBINGE WUBBEN; publs. *Bulletin* (3 times a year), *Newsletter* (6 times a year), catalogue of paintings until 1800, catalogue of paintings after 1800, picture book with 144 reproductions, European drawings from five centuries with 87 reproductions; catalogues of the department of prints.

Museum voor Land- en Volkenkunde: Willemskade 25; f. 1883; ethnological and archaeological collections from Indonesia, Asia, Africa, America, New Guinea and Oceania; Dir. J. HURWITZ, M.A.; Curators R. S. WASSING (Oceania, Africa, New Guinea), L. KAMPER (Asia), M. ONDEI (Tibet), Miss A. DJAJASOEBRATA (Indonesia); Education Dept. J. J. BUFFART; Librarian Miss J. C. VINK; Library of 6,500 vols.; publs. *Jaarverslag van het Museum voor Land- en Volkenkunde, Trois problèmes d'Ethnologie Maritime, Essai d'une Ethnographie Navale des Peuples Annamites, Une Collection ethnographique des Ababdes et des Bicharins dans le Museum voor Land- en Volkenkunde, Les Jonques chinoises* Vol. I, II, III, IV, V, VI.

Utrecht

Centraal Museum der gemeente Utrecht: Agnietenstraat 1 (15th-century building); used as museum since 1921; Dir. Dr. M. ELISABETH HOUTZAGER; comprises three museums, which are:

Central Museum: (municipal collections) pictures and sculpture of the Utrecht school, 15th-19th centuries; series of period rooms, 15th-19th centuries; Doll's house; Dutch art industry; costume dept.; famous Utrecht ship, 8th century; municipal history; annexe for modern Dutch art (1850-), on separate premises: *Fentener van Vlissingenhuis*, Maliebaan 42; Dir. Dr. M. ELISABETH HOUTZAGER; Scientific Staff: Sub-Dir. H. J. DE SMEDT; Curator J. P. W. PHILIPSEN; library of 1,750 vols.; publs. catalogues, *Annual Report, Catalogue Historical Department*, 1928, *Catalogue Costume Department*, 1947, *Catalogue of Pictures*, 1952, *The Doll's House*, 1963, *Catalogue of Acquisitions*, 1951-1961, *Catalogue "125 years Centraal Museum"*, 1964.

Archiepiscopal Museum: Agnietenstraat 1; pictures and sculptures of Dutch, Flemish, German, and Italian primitives, 13th-16th centuries; miniatures; medieval and later religious art; textiles; art industry; annexe: *Museum for Modern Religious Art*, Lange Nieuwstraat 38; Dir. Dr. D. P. R. A. BOUVY; Dir. Miss A. M. JANSSENS, HIST.ART.DRA.; Asst. Keeper G. J. J. M. HAKS; library of 400 vols.; publs. *Catalogue of the Pictures* 1948, *Catalogue of the Sculptures*, 1962, *Annual Report*.

Museum of the Utrecht Provincial (Archaeological) Society: Pre-Roman, Roman and early medieval antiquities; maquette of excavations on the cathedral square; Curator Prof. Dr. J. H. JONGKEES; publs. *Annual Report, Guide*.

Veere

Museum "De Schotse Huizen": Kade A 146; Chinese and Japanese ceramics; prints, national costumes, furniture, ships' models.

Oudheidskamer: Markt A 1; f. 1881; old standards and flags; pictures; golden cup of Maximilian from Burgundy (1546); Secretariat Townhall.

Vlissingen, Flushing

Stedelijk Museum te Vlissingen: Bellamy Park 19; f. 1890; souvenirs of Admiral de Ruyter; coins, medals, paintings, ceramics, wood-carvings, topography, etc.; Pres. B. KOLFF, LL.D.; Sec. (Vacant).

Wageningen

Nederlands Landbouw Museum (*Netherlands Agricultural Museum*): c/o Gen. Foulkesweg 90 (temporarily closed); f. 1935; Dir. Dr. J. M. G. VAN DER POEL.

UNIVERSITIES

UNIVERSITEIT VAN AMSTERDAM
(University of Amsterdam)

SPUI 21, AMSTERDAM

Telephone: 246878.

Founded 1632.

President of Curators: G. VAN HALL.
Rector Magnificus: Prof. Dr. J. KOK.
Vice-Chancellor: Prof. F. BENDER.
Pro-Rector: Prof. J. VALKHOFF.
Secretary: J. DE HAAN.
Librarian: Prof. Dr. H. DE LA FONTAINE VERWEY.

Number of professors: 196.
Number of students: 9,293.
Publication: *Jaarboek der Universiteit van Amsterdam.*

DEANS:

Faculty of Theology: Prof. Dr. J. A. OOSTERBAAN.
Faculty of Law: Prof. A. PITLO.
Faculty of Medicine: Prof. Dr. P. FORMIJNE.
Faculty of Mathematical and Natural Sciences: Prof. Dr. J. DE GROOT.
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Faculty of Political and Social Sciences: Dr. M. ROOIJ.

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HOETINK, H. R., Roman Law
HOEVEN, J. VAN DER, Constitutional Law
KISCH, I., Comparative Law and Philosophy of Law
KOSTER, H. K., Civil Law and Civil Procedure
LEVENBACH, M. G., Labour Law
PITLO, A., Notarial and Civil Law
SCHOLTEN, G. J., Commercial Law
SMIDT, J. TH. DE, Priciples of Old Dutch Law
TAMMES, A. J. P., International Law
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WIERSMA, D., Criminology
WIJK, H. D. VAN, Administrative Law
WINTER, L. I. DE, International Law

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Number of students,: 6,000.
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Gerritsen, D. J., Applied Chemistry
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Huizinga, T., Pharmacotherapy
Jellinek, F., Inorganic Chemistry
Kommandeur, J., Physical Chemistry
Kuenen, Ph. H., Geology, Mineralogy
Meijer, C. S., Mathematics
Os, F. H. L. van, Pharmacy
Pelser, J., Physics of Nuclear Reactors
Perdok, W. G., Mineralogy
Plaut, L., Astronomy
Postma, H., Oceanography
Pottasch, S. R., Astrophysics
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Ensink, J., Sanskrit
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Nieuwenhuis, H., Pedagogy
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RIJKSUNIVERSITEIT TE LEIDEN
(State University of Leyden)

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ZOUTENDIJK, G., Theory of Numbers

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LAER, P. H. VAN, Thomistic Theology
LIEFTINCK, G. I., Western Palæography
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MANDELKOW, K. R., German Literature
MEEUSSEN, A. E., Bantu Langauge
MEKKES, J. P. A., Calvinist Philosophy
MODDERMAN, P. J. R., Cultural Prehistory of West and Central Europe
MOL, H., Phonetics
NOSKE, F. R., Musical History
NUCHELMANS, G. R. F. M., Philosophy
PEURSEN, C. A. VAN, Philosophy
POORTMAN, J. J., Metaphysics as interpreted in the spirit of Theosophy
PRINS, A. A., English Language
REVE, K. VAN HET, Slavonic Literature
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SICKING, C. M. J., Greek Language and Literature
SIERTSEMA, Miss B., African Linguistics
SOETEMAN, C., German Language
STUTTERHEIM, C. F. P., Dutch Language
TEEUW, A., Bahasa Indonesia and Malay
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VOS, F., Japanese and Korean
WAAL, H. VAN DE, History of Art
WASZINK, J. H., Latin
ZAALBERG, C. A., Dutch Language and Literature
ZÜRCHER, E., History of the Far East

Faculty of Social Science:
BEERLING, R. F., Social Philosophy
BEETS, N., General Psycho-diagnosis
BERG, J. H. VAN DEN, Psychological Phenomenology
BRAND, W., Economics of Non-Western Areas
CHORUS, A. M. J., Psychology
GEER, J. P. VANDEY, Experimental Psychology
HEEK, F. VAN, Sociology
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HOLLEMAN, J. F., Sociology and Culture of Africa
JOSSELIN DE JONG, P. E. DE, Cultural Anthropology of South Asia and the Pacific
KEUNING, J., Law of the Peoples, Development of the Law in Non-Occidental Societies
KLERK, L. DE, Pedagogy
LAMMERS, C. J., Industrial and Administrative Sociology
LIER, R. A. J. VAN, Sociology and Culture of Surinam and the Dutch Antilles
LOCHER, G. W., Sociology and Culture of Surinam and the Dutch Antilles
VERCRUIJSSE, E. V. W., Applied Sociology

KATHOLIEKE UNIVERSITEIT TE NIJMEGEN
(Roman Catholic University of Nijmegen)

BIJLEVELDSINGEL 70,
NIJMEGEN

Telephone: 58711.

Founded 1923.

Governing Body: Stichting Katholieke Universiteit.

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Secretary of the College of Curators: T. N. J. A. VAN RIJN.

Rector Magnificus: Dr. S. J. GEERTS.

Number of teachers: 245, including 123 professors.

Number of students: 5,185.

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Faculty of Medicine: Dr. J. E. A. VAN DEN HEUVEL.
Faculty of Sciences: Dr. A. G. M. VAN MELSEN.
Faculty of Social Sciences: Dr. H. J. C. M. G. RUYGERS.
Central Inter-faculty: Dr. J. PLAT, C.M.
Inter-faculty of Geography and Prehistory: Dr. P. H. WINKELMAN.

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ANTHONISSE, Dr. Z., History of the Christian Orient, Oriental Canonic Law and Oriental Liturgy, Russian Language and Literature
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MOHR, R. J., Cultural Anthropology, Religion of Primitive Peoples
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(State University of Utrecht)

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Telephone: 030/29441.

Founded 1636.

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Rector Magnificus: Prof. Dr. H. M. J. SCHEFFER.
Secretary of the Senate: Prof. Dr. A. R. HULST.
University Librarian: Dr. D. GROSHEIDE.

Number of teachers: 368, including 222 professors.

Number of students: 7,283 men, 2,385 women, total 9,668.

Publications: *Jaarboek, Gids.*

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VRIEZEN, TH. CHR., Old Testament Exegesis

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HUDIG, Miss J. C., Juvenile Law
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KLOEK, J., Forensic Psychiatry
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CATE, G. TEN, Anatomy and Embryology
DEENSTRA, H., Pulmonary Diseases
DOESSCHATE, J. TEN, Ophthalmology
GERLINGS, P. G., Oto-Rhino-Laryngology
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GROEN, J. J., Labyrinthology
HENKES, H. E., Ophthalmology
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PLOKKER, J. H., Psychiatry
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SCHEFFER, H. M. J., Social Dentistry
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STRUBEN, W. H., Oto-Rhino-Laryngology
TAUSK, M., Endocrinology
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VERBEIST, H., Neuro-Surgery
VOSSENAAR, TH., Pathology
WAARD, R. H. DE, Ray Treatment
WEYERS, H. A., Pædiatrics
WIEBERDINK, J., Surgery
WIED, D. DE, Pharmacology
WINKLER, K. C., Theory of Infection

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BLIJ, F. VAN DER, Pure Mathematics, Analysis and Theory of Numbers
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BOLDINGH, J., Organic Chemistry
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BRAUN, G. K. R. O. M., Applied Mathematics
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KAMPEN, N. G. VAN, Theoretical Physics
KERK, G. J. M. VAN DER, Technical Organic Chemistry
KERLING, Miss L. C. P., Plant Pathology
KOENIGSWALD, G. H. R. VON, Stratigraphy, Palæontology
KONINGSBERGER, V. V., Biophysical Chemistry
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RAAF, J. F. M. DE, Sedimentology
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VRIJE UNIVERSITEIT
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Founded 1880.

President of Trustees: Dr. J. DONNER.
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Number of professors: 112.

Number of students: 3,321 men, 659 women, total 3,980.

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KUYPER, D., Latin Language and Literature
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BOOIJ, J., Pharmacology and Neurobiology
DEN OTTER, G., Surgery
DONNER, R., Morbid Anatomy
DROGENDIJK, A. C., Social Medicine
FOLKERTS, J. F., Neurology
HOITINK, A. W. J. H., Physiology
JANSE DE JONGE, A. L., Medical Psychology
JANSSENS, J., Gynæcology and Obstetrics
LANGEROORT, H. L., Histology
LINDEBOOM, G. A., Internal Medicine
OOSTERHUIS, H. K., Chemical Physiology
STAHLIE, T. D., Pædiatrics
STAM, F. C., Neuropathology
VAN DER HORST, L., Psychiatry and Experimental Psychology
VAN FAASSEN, F., Anatomy
VAN TONGEREN, H. A. E., Medical Microbiology
VELZEBOEN, C. M. J., Ophthalmology

Faculty of Economics and Social Science:
BORST, P., Civil Law
DE JONG, G., Economic Geography
DE KAMPEN, L. VAN, Accountancy
DE ROOS, F., Economic Theory
GAAY FORTMAN, W. F. DE, Commercial Law and Judicial Procedure
GOUDSWAARD, G., Statistics
HELLEMA, H. J., Financial Law
KOOY, T. P. VAN DER, Political Economy
KUIPER, G., Sociology
RENOOY, D. C., Political Economy
SCHOLTEN, L. W. G., Constitutional Law
SCHOORL, J. W., Non-Western Sociology
THIERRY, H., Business Management
VAN DIJK, R., Sociology
VAN MUISWINKEL, F. L., Business Management
WIERINGA, W. J., Economic and Social History

TECHNICAL UNIVERSITIES

TECHNISCHE HOGESCHOOL TE DELFT

(Technological University of Delft)

P.O. BOX 5, DELFT

Telephone: 33222.

Founded 1842.

Chairman of Board of Governors: Ir. L. SCHEPERS.

Rector Magnificus: Prof. Ir. H. J. DE WIJS.

Secretary: Dr. H. A. BAKELS.

Librarian: Dr. L. J. VAN DER WOLK.

Number of professors: 176.

Number of students: 8,412.

DEANS:

General Science Department: Prof. Dr. H. J. A. DUPARC.

Civil Engineering Department: Prof. Dr. Ir. A. M. HAAS.

Architecture Department: Prof. Ir. M. GOUT.

Mechanical Engineering Department: Prof. Ir. J. J. BROEZE.

Electrical Engineering Department: Prof. Dr. Ir. J. L. BORDENWIJK.

Chemistry and Chemical Engineering Department: Prof. Dr. Ir. P. M. HEERTJES.

Mining Engineering Department: Prof. O. KOEFOED.

Physics and Engineering Physics Department: Prof. Dr. C. J. D. M. VERHAGEN.

Naval Architecture and Aeronautical Engineering Department: Prof. Dr. Ing. J. TAUB.

PROFESSORS:

General Science Department:

BOTTEMA, Dr. O., Pure and Applied Mathematics and Mechanics
COHEN, Dr. Ir. J. W., Pure and Applied Mathematics and Mechanics
DUPARC, Dr. H. J. A., Pure and Applied Mathematics and Mechanics
GOEDE, Dr. B. DE, Constitutional and Administrative Law
GRAAF, M. H. K. VAN DER, Industrial Psychology
GROOT, J. DE, Industrial Hygiene
HAAN, P. DE, Civil and Agrarian Law
HOOP, Dr. Ir. A. T. DE, Alternating Current Theory and Applied Mathematics
KOSTEN, Dr. Ir. L., Pure and Applied Mathematics and Mechanics
KRUIJT, Dr. C. S., Town Planning and Sociology
KRUISINGA, Dr. H. J., Finance and Cost Accounting
KUIPERS, Dr. L., Pure and Applied Mathematics and Mechanics
LOONSTRA, Dr. F., Pure and Applied Mathematics and Mechanics
MEIJ, Dr. J. L., Industrial Organisation
MEULENBELD, Dr. B., Pure and Applied Mathematics and Mechanics
POEL, Dr. Ir. W. L. VAN DER, Applied Logic as fundamental of structure and use of computers
POELJE, Dr. S. O. VAN, Building Legislation
RIESSEN, Dr. Ir. H. VAN, Calvinistic Philosophy
SCHIERBEEK, P., Mining Legislation
SIEBEN, Ir. J. W., Statistics
SIKKEMA, Dr. P. C., Pure and Applied Mathematics and Mechanics
SPIEGEL, Dr. E. VAN, Pure and Applied Mathematics and Mechanics
TIMMAN, Dr. R., Pure and Applied Mathematics and Mechanics
VEEN, Dr. S. C. VAN, Pure and Applied Mathematics and Mechanics
VELDMAN, Dr. Mr. Dr. Ir. A. R., The Law of Industrial Property
WAL, Dr. L. G. VAN DER, Philosophy, esp. Ethics
WOESTIJNE, Dr. W. J. VAN DER, Economics

Civil Engineering Department:

BAARDA, Ir. W., Geodesy and Surveying
BENDEGOM, Ir. L. VAN, Hydraulic Engineering
BERG, Dr. Ir. C. VAN DER, Rural Economy
BERKHOUT, Ir. F. M. C., Irrigation
BISCHOFF VAN HEEMSKERCK, Ir. W. C., Hydraulics
BOUMA, Ir. A. L., Applied Mechanics
BRUINS, Ir. G. J., Surveying, Levelling and Geodesy
CUPERUS, Ir. J. L. A., Railway Construction
DOUWEN, Ir. A. A. VAN, Steel Construction
HAAN, P. DE, Civil and Agrarian Law
HAAS, Dr. Ir. A. M., Reinforced Concrete Construction
HEER, Ir. A. DE, Building Construction
JANSEN, Ir. P. P., Hydraulic Engineering
JOSSELIN DE JONG, Dr. Ir. G. DE, Soil Mechanics
KLEIN, Ir. J. L., Hydraulic Engineering
MOSTERTMAN, Ir. L. J., Hydraulics
NANNINGA, Ir. N., Hydraulic Engineering
ROELOFS, R., Geodesy and Surveying
THEISSING, Dr. E. M., Building Materials
VOLMULLER, Ir. J., Roads, Transport Economics
VREEDENBURGH, Ir. C. G. J., Applied Mechanics
WEELE, A. J. VAN DER, Applied Photogrammetry in Civil Engineering
WILDSCHUT, Dr. Ir. A. J., Building Materials
WITT, Ir. G. F., Geodesy

Architectural Department:

ANGENOT, Ir. L. H., Town Planning
BAKEIMA, J. B., Architecture
BERGHOEF, Ir. J. F., Architecture
BROUWER, H., Architectural Design
DONK, Ir. P., Interior Design
EESTEREN, C. VAN, Town Planning
EMBDEN, S. J. VAN, Architecture
FROGER, Ir. J. H., Town Planning
GOUT, Ir. M., Building Construction
GRINTEN, G. J. VAN DER, Industrial Design
HAMMACHER, Dr. A. M. W. J., Arts in Architecture
HOLT, G. H. M., Architecture
KIST, Ir. H. J., Applied Mechanics
KRANENDONK, Ir. A. VAN, Architectural Design
KRUIJT, Dr. C. S., Town Planning and Sociology
MAZURE, Dr. Ir. J. P., Building Construction
OOSTERHOFF, Ir. J., Industrial Architecture
PENNINK, Ir. P. K. A., Architectural Design
POELJE, Dr. S. O. VAN, Building Legislation
PRAK, Ir. N. L., Elementary theory of forms
TAUBER, Ir. P. H., Architectural Design
WEGENER SLEESWIJK, Ir. C., Design and Architectural Forms

Mechanical Engineering Department:

BERKEL, Ir. F. C. A. A. VAN, Chemical Mechanics
BESSELING, Dr. Ir. J. F., Technical Mechanics
BEYER, Dipl. Ing. J., Textile Technology
BLOK, Ir. H., Machine Elements
BOITEN, Ir. R. G., Measurements and Control
BOS, Ir. W. A., Mechanical Engineering
BROEZE, Ir. J. J., Mechanical Engineering
ELDIK THIEME, Ir. H. C. A. VAN, Mechanical Engineering
GEEZLINGS, Dr. Ir. H. G., Welding Technology
GRAAF, M. H. K., VAN DER, Industrial Psychology
GROOT, J. DE, Industrial Hygiene
HINZE, Ir. J. O., Aerodynamics, Hydrodynamics
JONG, Dr. D. DE, Precision Mechanics
JONG, Ir. J. A. DE, Steam Turbines
JONGENBURGER, Ir. P., Metallurgy
KLERCK, Ir. A. H. DE, Mechanical Engineering
KOITER, Dr. Ir. W. T., Technical Mechanics
KOOLEN, Ir. D. A. A., Mechanical Technology
LATZKO, Ir. D. G. H., Construction of Nuclear Reactors
LIER, J. J. C. VAN, Mechanical Engineering
MERK, Dr. Ir. H. J., Aerodynamics, Hydrodynamics
MITCHELL, R. W. S., Gas Turbines
PATER, Dr. Ir. A. D. DE, Technical Mechanics
PEKELHARING, Ir. A. J., Production Engineering
PRINS, Ir. G., Transport Engineering
SCHUT, Ir. J. W., Machine Tool Design
STAL, Ir. H. P., Mechanical Technology
VAHL, Dr. Ing. L., Refrigerating and Drying
VINKE, Ir. W., Mechanical Engineering
ZUITHOFF, Dr. A. J., Metallurgy

Electrical Engineering Department:

ALEXANDER, Ir. J. W., Electronics
BOEREMA, Ir. H. B., Electrical Power Transmission
BORDEWIJK, Dr. Ir. J. L., Information Transmission
BOXMA, Ir. IJ., Theory of Information and Communication.
BURG, Dr. Ir. F. A. W. VAN DEN, Electrical and Mechanical Transients in Machines
DAVIDSE, Dr. Ir. J., Electronics
DIEHL, Dr. Ir. M. G., Heavy Current Apparatus Construction
FONTEIN, Ir. W., Heavy Current Engineering
HEYH, Dr. Ir. F. A., Electric Measurement and High-tension Engineering
HOOP, Dr. Ir. A. T. DE, Alternating Current Theory and Applied Mathematics

LOMMEL, Ir. H. L. VAN, Telegraphy and Automatic Systems for Telegraphy and Telephony
NAUTA LEMKE, Ir. H. R. VAN, Automatic Control
OBERMAN, Dr. Ir. R. M. M., Switching Circuits and Date Processing Machines
SCHOUTEN, Dr. Ir. J. P., Alternating Current Theory, Electrical Theory
TELLEGEN, Ir. B. D. H., Network Theory
WEILER, Jhr. Ir. J. L. W. C. VON, Radio
ZOETEN, Ir. G. DE, High-tension Networks

Chemistry and Chemical Engineering Department:
BEEK, Dr. Ir. W. J., Physical Technology
BERENDS, Drs. W., Biochemistry
BERG, Drs. P. J. VAN DEN, Chemical Engineering
BERKEL, Ir. F. C. A. A. VAN, Chemical Equipment
BEYERMAN, Dr. H. C., Organic Chemistry
BOER, Dr. J. H. DE, Special Subjects of Chemical Engineering
BRABERS, Dr. Ir. M. J., Technical Corrosion
BURGERS, Dr. W. G., Physical Chemistry
DIEPEN, Dr. Ir. G. A. M., General and Inorganic Chemistry
HEERTJES, Dr. Ir. P. M., Chemical Engineering
HOEKSTRA, Dr. J., General Chemistry
HOUTMAN, Ir. J. P. W., Chemical Aspects of Nuclear Reactors
KARSTEN, Dr. P., Analytical Chemistry
KREVELEN, Dr. D. W. VAN, Chemical Engineering
MEIJERING, Dr. J. L., Inorganic Chemistry
PRINS, Dr. W., Physical Chemistry of Polymers
ROELOFSEN, Dr. P. A., General and Industrial Biology
WEPSTER, Dr. Ir. B. M., Theoretical Organic Chemistry
WIKEN, Dr. T. O., General and Applied Microbiology

Mining Engineering Department:
DUFOUR, Dr. J., Palæontology and Historical Geology
ENGELBERT VAN BEVERVOORDE, Ir. W. F. C., Economic Geology
FABER, Dr. Ir. F. J., General Geology and Geological Mapping
GRAAF, Ir. J. E. DE, Ore Analysis and Metallurgy
KOEFOED, O., Geophysics
MAAS, Dr. W., Physical Aspects of Mining
ROORDA, Ir. H. J., Mineral Dressing
SCHIERBEEK, P., Mining Legislation
THOMEER, Ir. J. H. M. A., Petroleum Production
VELZEBOER, Ir. P. T., Mining
WIJS, Ir. H. J. DE, Mineralogy and Geology

Physics and Engineering Physics Department:
BEEK, Dr. Ir. W. J., Physical Technology
BLAISSE, Dr. B. S., Theoretical and Applied Physics
DRUYVESTEYN, Dr. M. J., Theoretical and Applied Physics
HEEL, Dr. A. C. S. VAN, Theoretical and Applied Physics
KOSTEN, Dr. Ir. C. W., Theoretical and Applied Physics
KRONIG, Dr. R., Theoretical Physics
LOEF, Dr. J. J. VAN, Physical Aspects at the Reactor
MERK, Dr. Ir. H. J., Aerodynamics, Hydrodynamics
POLDER, Dr. D., Theoretical Physics
POOLE, Dr. Ir. J. B. LE, Theoretical and Applied Physics
PRINS, Dr. J. A., Theoretical and Applied Physics
SMIDT, Dr. Ir. J., Theoretical and Applied Physics
VERHAGEN, Dr. Ir. C. J. D. M., Instrument Technology
WAPSTRA, Dr. A. H., Experimental Nuclear Physics
WENT, Dr. J. J., Construction and use of Nuclear Reactors
WESTERDIJK, Dipl. Ing. J. B., Theoretical and Applied Physics
WOLFF, Dr. Ir. P. M. DE, Theoretical and Applied Physics

Naval Architecture and Aeronautical Engineering Departments:
ERDMAN, Dr. Ing. S.F.A.H.P., Aeronautical Engineering
GERRITSMA, Ir. J., Naval Architecture
JAEGER, Ir. H. E., Ship Design
KOITER, Dr. Ir. W. T., Applied Mechanics
KRIETEMEIJER, Ir. J. H., Naval Architecture
MAAS, Dr. Ir. H. J. VAN DER, Flight Mechanics
MANEN, Dr. Ir. J. D. VAN, Ship Resistance and Protection
NEUT, Dr. Ir. A. VAN DER, Aircraft Construction
OOSTEROM, Ir. F. VAN, Aircraft Instruments
SHIJVE, Dr. Ir. J., Aeronautical Engineering
SPIES, Ir. G. J., Engineering Design and Production of Aircraft
STEKETTEE, Dr. Ir. J. A., Flight Aerodynamics
TAUB, Dr. Ing., J., Aircraft Construction
VINKE, Ir. W., Naval Architecture
WITTENBERG, Ir. H., Aircraft Design

TECHNISCHE HOGESCHOOL TE EINDHOVEN
(Technological University of Eindhoven)

INSULINDELAAN 2, EINDHOVEN

Telephone: 68000.

Telegraphic Address: Technische Hogeschool Eindhoven.

Founded 1956.

Chairman of the Board of Governors: Ir. H. B. J. WITTE.
Secretary: Dr. A. J. VLEER.
Secretary of the Senate: Prof. Dr. W. PEREMANS.
Rector Magnificus: Prof. Dr. K. POSTHUMUS.
Librarian: Dr. C. GROENEVELD.

Number of professors: 81.
Number of students: 2,000.
Publications: *Jaarboek, Gids, Mededelingen, Berichten.*

DEANS:

General Science Department: Prof. Dr. C. ZWIKKER.
Sub-Department of Mathematics: Prof. Dr. J. J. SEIDEL.
Sub-Department of Philosophy and Social Sciences: Prof. Dr. F. PH. A. TELLEGEN.
Department of (Applied) Physics: Prof. Dr. P. VAN DER LEEDEN.
Mechanical Engineering Department: Prof. Dr. P. C. VEENSTRA.
Electrical Engineering Department: Prof. Dr. Ir. A. A. TH. M. VAN TRIER.
Chemical Engineering Department: Prof. Ir. J. G. HOOGLAND.

PROFESSORS:

General Science Department:
Department of Philosophy and Social Sciences:
DANIELS, Dr. M. J. M., Psychology
MONHEMIUS, Ir. W., Mathematical Aspects of Industrial Engineering
OLDENDORFF, Dr. A., Sociology
SCHOUTEN, Dr. J. F., Perception and Information Theory
STEENKAMP, Dr. P. A. J. M., Social Law
TELLEGEN, Dr. Ir. F. PH. A., Philosophy
WEMELSFELDER, Dr. J., Economics
ZOETHOUT, Ir. D. A. C., Industrial Organisation

Sub-Department of Mathematics:
ALBLAS, Dr. J. B., Mechanics
BENDERS, J. F., Mathematical and Numerical Aspects of Operations Research
BOUWKAMP, Dr. C. J., Applied Mathematics
BRUIJN, Dr. N. G. DE, Mathematics
DIJSKTRA, Dr. E. W., Mathematics
HAMAKER, Dr. H. C., Applied Statistics
HELMBERG, G., Mathematical Analysis and Theory of Probability
PEREMANS, Dr. W., Mathematics
SEIDEL, Dr. J. J., Mathematics
VELTKAMP, Dr. G. W., Mathematics

Department of Physics:
BROER, Dr. L. J. F., Theoretical Physics
KRUITHOF, Dr. A. A., Applied Physics
LEEDEN, Dr. P. VAN DER, Physics—Instrumental
MAESSEN, F. VAN DER, Physics
OOSTERKAMP, W. J., Applied Nuclear Physics
POPPEMA, Dr. O. J., Physics—Nuclear
RADEMAKER, Ir. O., Process Control
STEENLAND, Dr. M. J., Physics—Low Temperature
VERSTER, N. F., Physics
VOSSERS, Dr. Ir. G., Hydro and Aerodynamics
VRIES, Dr. D. A. DE, Physics—Heat Transfer
ZWIKKER, Dr. C., Engineering Materials

Mechanical Engineering Department:
ANINGA, J. B., Industrial Mechanisation
BEER, Ir. C. DE, Mechanical Technology and Mechanical Engineering
BOGAARDT, Dr. M., Heat Technology and Reactor Engineering
ESMEYER, Ir. W. L., Engineering Mechanics
HARINGX, Dr. Ir. J. A., Applied Mechanics
HOEK, Ir. W. VAN DER, Mechanical Engineering
HOROWITZ, Ir. A., Mechanical Engineering—Agr. Mach. and Household Appl.
LAMÉRIS, Ir. H., Mechanical Engineering—Conventional Heat Technology
MULLER, Dr. Ir. H. L., Mechanical Engineering—Precision Technology
SCHLÖSSER, Dr. Ir. W. M. J., Mechanical Engineering
SCHMID, Dr. Ir. W. L. H., General Mechanical Engineering
SEYFFARDT, Ir. A. L. W., Mechanical Engineering — Automobile Engineering
VEENSTRA, Dr. P. C., Mechanical Technology
VOLLENHOVEN, Ir. J. VAN, Mechanical Engineering—Internal Combust. Eng.

WATEREN, Ir. C. G. VAN DER, Mechanical Engineering—Design of Chemical Installations and Equipment
ZAAT, Dr. J. H., Mechanical Engineering

Electrical Engineering Department:
BREMMER, Dr. H., Electromagnetic Theory
DIJL, Ir. B. VAN, Electronics
EYKHOFF, P., Measurement and Control
FETTWEIS, Ir. A., Theoretical Electrical Engineering
GROENDIJK, H., Electronics
HEETMAN, Ir. A., Telecommunication—Data Processing Techniques
HORST, Dr. D. T. J. TER, Eng. of High Voltage and High Currents
JONG, C. J. DE, Electrical Machinery Design
MULDERS, Dr. C. E., Measurement and Control
NIESTEN, Dr. Ir. J. G., Electromechanical Energy Conversion
STIGTER, K. J. H., Generation, Transmission and Distribution
TRIER, Dr. Ir. A. A. TH. M. VAN, Circuit Theory and Electromagnetic Theory
ZOEST, Ir. W. H. VAN, Telecommunication
ZWIKKER, Dr. C., Engineering Materials

Chemical Engineering Department:
BOEKENOOGEN, Dr. H. A., Chemical Technology
ECK, Dr. G. L. VAN PANTHALEON BARON VAN, General and Physical Chemistry
FAST, J. D., Physical Chemistry—Thermodynamics and Metals
HEIKENS, D., Chemical Technology
HOOGLAND, Ir. J. G., Theoretical and Applied Electrochemistry
KEULEMANS, Dr. Ir. A. I. M., Instrumental Analytical Chemistry
KLOOSTERZIEL, H., Physical Organic Chemistry
KONINGSBERGER, Dr. C., Organic Chemistry
LOON, Dr. Ir. W. VAN, Chemical Technology
MARTIN, A. J. P., Theory of Analogies
POSTHUMUS, Dr. K., General and Physical Chemistry
SLOTBOOM, H. W., Chemical Technology
STEVELS, Dr. J. M., Inorganic Chemistry—Chemistry of Silicates
RIECK, Dr. G. D., Physical Chemistry
RIETEMA, Dr. K., General Process Engineering
SCHUIT, Dr. G. C. A., Inorganic Chemistry
THIJSSEN, H. A. C., General Process Engineering

TECHNISCHE HOGESCHOOL TWENTE
(Twente Technological University)

ENSCHEDE, P.O. 217

Telephone: 44644.

Founded 1961.

Chancellor: Jhr. Mr. Dr. O. F. A. H. VAN NISPEN TOT PANNERDEN.
Vice-Chancellor: Dr. Ir. H. A. STHEEMAN.
Rector: Prof. Ir. G. BERKHOFF.
Registrar: Drs. J. C. BAARSPUL.
Librarian: J. P. VAN TWIST.
Chairman, Department of Electrical Engineering: Prof. Ir. M. P. BREEDVELD.
Chairman, Department of Mechanical Engineering: Prof. Ir. R. VAN HASSELT.
Chairman, Department of Social Sciences and Philosophy: Prof. Dr. B. C. LIEVEGOED.
Chairman, Department of Chemical Technology: Prof. Dr. Ir. J. C. VLUGTER.

Number of students (1964): 230.

PROFESSORS:

BREEDVELD, Ir. M. P., Electronics
DRAIJER, Ir. W., Industrial Heat Science
DUIJVESTIJN, Dr. Ir. A. J. W., Pure and Applied Mathematics
GELLINGS, Dr. P. J., Inorganic Chemistry and Science of Materials
GREINER, Drs. B., Chemistry
GRONEVELD, Ir. E. W., Information and Communication Theory
HACKMANN, Dr. J. TH., Organic Chemistry
HASSELT, Ir. R. VAN, Production
HESSEL, Dr. W., Economics
HOUSZ, Ir. J. F. INGEN, Workshop Science
JAGER, Dr. E. M. DE, Analytical Mathematics
JONKERS, Ir. C. O., Internal Transport
LIEVEGOED, Dr. B. C. J., Social Pedagogy
NOORDENBOS, Ir. P. K., Industrial Mechanics
OFFEREINS, Ir. R. P., Cybernetics
PATER, Ir. C. DE, Mechanical Technology
RODENBURG, Ir. C., Electronics
SCHUYER, Dr. J., Macromolecular Chemistry and Technology
SPIEGEL, Dr. I. W. VAN, Pure and Applied Mathematics
TERPSTRA, Dr. T. J., Pure and Applied Mathematics
VEENEMANS, Dr. C. F., Science of Materials
VLUGTER, Dr. Ir. J. C., Chemical Technology
VOLBEDA, Ir. H. K., Applied Economics
WINTER, Ir. H. G. DE, Technical Physics
WOLTJER, Mr. H. J., Principles of Law

KATHOLIEKE HOGESCHOOL TE TILBURG
(Catholic University of Tilburg)

HOGESCHOOLLAAN 225, TILBURG

Telephone: 04250-32060.

Founded 1927.

President: P. M. H. VAN BOVEN.
Rector Magnificus: Dr. H. W. J. BOSMAN.
Secretary: Dr. H. W. A. LOEVENDIE.
Librarian: Dr. W. JANSEN.

Number of teachers: 55, including 35 professors.

Number of students: 1,400.

DEANS:

Faculty of Economic Sciences: Prof. Dr. D. B. J. SCHOUTEN.
Faculty of Social Science: Prof. Dr. F. J. P. VAN DOOREN.
Faculty of Law: Prof. Dr. J. M. PIETERS.

PROFESSORS:

BERKUM, Dr. P. P. VAN, Economics
BOSMAN, Dr. H. W. J., Banking and Finance
BRONKHORST, C., Criminal Law, Criminology
DALMULDER, Dr. J. J. J., Econometrics, Statistics
DOOREN, Dr. F. J. P. VAN, Social Psychology, Industrial Psychology
EEREMBEEMT, Dr. H. F. J. M. VAN DEN, History
GEERTMAN, J. A., Economics
GODEFROY, Dr. J., Sociology
GOLDSCHMIDT, Dr. H. O., Econometrics
JEUKENS, H. J. M., Constitutional Law
KAAG, H. A., Finance, Political Economy
KLUNDERT, TH. C. M. J. VAN DE, Economics
LOEFF, Dr. J. J., Philosophy, Ethics
MOOR, Dr. R. A. DE, Sociology
OLDE KALTER, A. L., History of Roman Law
PIETERS, J. M., Introduction to Law
PLATTEL, Dr. M. G., Social Philosophy
SCHEFFER, Dr. C. F., Business Finance
SCHOORDIJK, H. F. C., Civil Law, International Law
SCHOUTEN, Dr. D. B. J., Economics
SMEETS, Dr. M. J. H., Public Finance
VEN, Dr. F. J. H. M. VAN DER, Social Politics

SPECIAL PROFESSORS:

ALBREGTS, Dr. A. H. M., International Economic Politics
COOLS, Dr. B. H. A., Social Geography
DRIESSER, Ir. F. M., Technique of Industrial Organisation
EUWE, M., Methodology regarding Automatic Data Processing
HERMESDORF, B. H. D., History of Dutch Law
OLDENDORFF, Dr. A. A., Sociology
SNIJDERS, W. L., Economic Competition Law
VERHEYEN, P. A., Econometrics
WIJMEN, Dr. W. J. I. VAN, Law

LANDBOUWHOGESCHOOL
(State Agricultrual University)

WAGENINGEN
SALVERDAPLEIN 10

Telephone: 6111.

Founded 1918.

President: Ir. A. P. MINDERHOUD.
Rector Magnificus: Prof. Ir. S. HELLINGA.
Secretary of the Senate: Prof. Dr. A. C. SCHUFFELEN.
Secretary of the University: J. DE VISSER
Registrar: J. P. L. GORTER.
Librarian: T. P. LOOSJES.

Number of teachers: 100, including 64 professors.

Number of students: 1,541 men, 264 women, total 1,005.

Publications: *Mededelingen van de Landbouwhogeschool, Programma van de Landbouwhogeschool, Jaarboek van de Landbouwhogeschool.*

PROFESSORS:

BALLENDUX, A. H., Jurisprudence and Political Science of Non-Western Territories
BAN, A. W. VAN DEN, Agricultural Extension
BIJHOUWER, J. T. P., Landscape Architecture
BOIS, W. F. DU, Textile Materials
BOLT, G. H., Soil Chemistry and Physics
BURINGH, P., Tropical Soil Science

CORSTEN, L. C. A., Mathematical Statistics
DOEGLAS, D., Mineralogy and Geology
DOORENBOS, J., Horticulture
FERWERDA, J. D., Tropical Agriculture
FRENS, A. M., Animal Physiology
HART, M. L'T, Grassland Husbandry
HARTOG, C. DEN, Nutrition and Food Preparation
HELLINGA, F., Draining and Improvement of the Soil
HELLINGA, G., Silviculture and Forest Protection in the Temperate Zone
DEN HERTOG, H. J., Organic Chemistry
HOEKSTRA, P., Tropical Animal Husbandry
HOFSTEE, E. W., Social and Economic Geography and Social Statistics
HORRING, J., General and Agricultural Economics
HULSTER, J. A. DEN, Silviculture and Forest Protection in the Tropics, Forest Management
IWEMA, S., Animal Nutrition
JOOSTEN, J. H. L., Agricultural Economics of Tropical Regions
KLOMP, H., General Zoology
KOOLS, J. F., Forest Exploitation and Forest Economics
KOOY, G. A., Rural Sociology
KRAAYENHAGEN, A., Town Planning
KRUIDHOF, A., Surveying and Levelling
LEENT, J. A. A. VAN, Social Psychology
LENIGER, H. A., Technology
LIER, R. A. J. VAN, Social and Economic Geography of Tropical Regions
LYKLEMA, J., Physical and Colloid Chemistry
MOENS, A., Application of Tractors and Agricultural Machinery
MORZER, B., M.S., Nature Reserves
MULDER, E. G., Microbiology
MULDER, H., Dairy Science
OORT, A. J. P., Phytopathology
PILNIK, W., Food Technology
POLAK, J. M., Jurisprudence and Political Science
PRAKKEN, R., Genetics
PRINS, S. W., Pedagogy and Didactics
QUAST, G. J., Construction and Handling of Tractors and Agricultural Machinery
REINDERS-GOUWENTAK, Mrs. C. A., Plant Physiology
RIEMSDIJK, J. F. VAN, Agricultural Economics
ROOTSELAAR, B. VAN, Mathematics
SCHENK, P. K., Plant Diseases
SCHUFFELEN, A. C., Agricultural Chemistry
SLICHER VAN BATH, B. H., Agricultural, Economic and Social History
SNEEP, J., Plant Breeding
STEGENGA, TH., Animal Husbandry
TESCH, J. W., General and Tropical Hygiene
THURLINGS, T. L. M., Economics
VEEGER, C., Biochemistry
VENEMA, H. J., Plant Taxonomy and Plant Geography
VERVELDE, G. J., Field Crop Husbandry
VISSER, Mrs. C. W., Home Economics
VOS, A. E., Dairy Technology
WANT, J. P. H. VAN DER, Phytopathology, Special Subjects
WASSINK, E. C., Plant Physiology
WELLENSIEK, S. J., Horticulture
WIJK, W. R. VAN, Physics and Meteorology
WILDE, J. DE, Entomology
WIT, H. C. D. DE, Plant Taxonomy and Plant Geography of the Tropics

COLLEGES

CANISIANUM, THEOLOGISCHE FACULTEIT VAN DE NEDERLANDSE PROVINCIE DER SOCIETEIT VAN JESUS

MAASTRICHT, TONGERSE STRAAT 53

Founded 1852.

Chairman: Prof. Dr. F. MALMBERG.
Librarian: A. HOUBEN.

Number of professors: 15.
Number of students: 52.
Publications: *Bijdragen Tijdschrift voor Filosofie en Theologie* (Editor Prof. Dr. F. MALMBERG).

PROFESSORS:

AHSMANN, P., Exegesis of New Testament
BAKKER, L., Fundamental and Mystic Theology
BERG, J. VAN DEN, Dogmatic Theology
BOTS, J., Church History
DE BRUIN, P., Moral Theology
HIJMAN, M., Catechetics
VAN KOL, A., Moral Theology
MALMBERG, F., Fundamental and Dogmatic Theology
MULDERS, J., Fundamental Theology, Liturgics
RENCKENS, H., Hebrew, Exegesis of Old Testament, Introduction to Holy Scripture
RIETMEYER, J., Canon Law
RUPERT, J., Church History
SLEYFFERS, J., Missionary Science
SMULDERS, P., Dogmatic Theology, Patrology
TROOSTER, J., Dogmatic Theology

Institute of Social Studies

THE HAGUE, MOLENSTRAAT 27;

Founded 1952.

See also under Research Institutes.
Rector: Prof. E. DE VRIES.
Deputy Rector: Prof. JAC. P. THIJSSE.
Chairmen of the Faculties: Dr. J. A. PONSIOEN, Dr. J. IN'T VELD, Prof. L. J. ZIMMERMAN.
Dean of Studies: Prof. H. TH. CHABOT.
Academic Secretary: Dr. C. A. O. VAN NIEUWENHUIJZE.
Registrar: F. W. HONDIUS.

Number of students: 25 per course.

NEDERLANDSCHE ECONOMISCHE HOGESCHOOL
Netherlands School of Economics)

ROTTERDAM, PIETER DE HOOCHWEG 122

Founded 1913.

President of Trustees: Dr. J. F. VAN MOORSEL.
Rector Magnificus: T. J. BEZEMER.
Secretary: Mr. B. J. DE BOER, Westersingel 16, Rotterdam-3.
Administrator: CHR. STOKHUIJZEN.

Number of students: 2,688 men, 107 women, total 2,795.
Publications: *Voorlichtingsboekje voor aanstaande studenten, Gids der Nederlandsche Economische Hogeschool, Jaarboek der Nederlandsche Economische Hogeschool.*

DEANS:

Faculty of Economics: A. J. REITSMA.
Faculty of Law: P. SANDERS.
Faculty of Social Sciences: J. A. A. VAN DOORN.

PROFESSORS:

Faculty of Economics:
BEZEMER, T. J., Organisation and Management
BOS, H. C., Development Planning
BRANDT, C. D. J., Modern History
BURGERT, R., Business Administration
DIEPENHORST, A. I., Business Administration
DOORN, J. A. A. VAN, Sociology
DREES, Jr. W., Economics
EIJK, C. J. VAN, Economics
ESVELD, N. E. H. VAN, Human Relations
EUWE, M., Automation
FRIETEMA, H. J., Agrarian Economics
GLASZ, CH., Economics, Banking
GOEDE, B. DE, Public and Administrative Law
GOUDEKET, A., Accountancy
JONG, A. A. DE, Accountancy
KAZEMIER, B. H., Philosophy
KLAASSEN, L. H., Research Methods
KLEIJN, A., Public Administration
KUHLMEIJER, H. J., Industrial Economics
KUILER, H. C., Transport Economics
KYMMELL, J., International Economics
LAMBERS, H. W., Economics
LIEVEGOED, B. C. J., Social Pedagogy
OUWELEEN, H. W., Industrial Psychology
POSTHUMA, S., International Finance
PRINS, F. W., Pedagogy
REITSMA, A. J., International Economics
RIPHAGEN, W., International Public Law
SANDEE, J., Econometrics
SCHENDSTOK, B., Public Finance and Tax Law
SIMONS, D., Public Law
SLAGTER, W. J., Private Law
STUIJVENBERG, J. H. VAN, Economic History
THEIL, H., Econometrics
TINBERGEN, J., Economics and Development Planning
VERDOORN, P. J., Market Analysis
ZANDSTRA, F. D., Business Administration

Faculty of Law:
CHRISTIAANSE, J. H., Fiscal Law
DREES, Jr. W., Economics
GOEDE, B. DE, Public and Administrative Law
HAERSOLTE, R. A. V., Baron VAN, Introduction to the Legal System
HULSMAN, L. H. C., Criminal Law
KLEIJN, A., Public Administration
KUNST, A. J. M., History of Law
LAMBERS, H. W., Economics

LANGMAN, H., Business Administration
RIPHAGEN, W., International Public Law
ROYER, S., Private Law
SANDERS, P., Private Law
SIMONS, D., Public Law
SLAGTER, W. J., Private Law

Faculty of Social Sciences:
DOORN, J. A. A. VAN, Sociology
HAERSOLTE, R. A. V., Baron VAN, Introduction to the Legal System
HOETINK, H., Sociology of the Non-Western Area
HOEVEN, P. J. A. TER, Sociology
WENTHOLT, R., Social Psychology

NEDERLANDS OPLEIDINGS-INSTITUUT VOOR HET BUITENLAND
(Netherlands College for International Trade)
NIJENRODE BREUKELEN
Telephone: 03462-341.
Telegraphic Address: NOIB Breukelen.

Founded 1946.

Residential College, supported by industry and government, for the training of students for careers in business. Foreign students admitted.

Honorary President of the Board: H.R.H. THE PRINCE OF THE NETHERLANDS.
Rector: Dr. E. B. J. POSTMA.
Registrar: P. J. C. VELTMAN.
Director of Studies: Drs. J. G. GEVERINK.
Dean of Students: P. L. C. TIDEMAN.
Librarian: I. VAN BEEK.

Number of teachers: 44 (plus 50 visiting).

Number of students: 400.

Publications: *Het Journaal* (fortnightly), *Het Loghboeck* (annual), *Kwartaalbericht* (quarterly).

HEADS OF DEPARTMENTS:
Economics and Sciences: J. KOSTER, acc. N.I.V.A.
Modern Languages: St. J. B. NIXON, M.A.
Physical Education: Dr. E. H. TAN.
Language Laboratories: J. M. NOIRET.
International Branch: Drs. J. A. VENHUIZEN.
Exchange Programmes: A. HERON.

SCHOOLS OF ART AND MUSIC

Koninklijk Conservatorium voor Muziek (*Royal Conservatory of Music*): The Hague, 7 Korte Beestenmarkt; f. 1826; number of teachers, 96; number of students, 540; library of 12,000 vols.; Pres. W. G. PEEKEMA; Dir. KEES VAN BAAREN; Sub-Dir. JAN SICKING; Admin. Sec. A. SERLIE.

Koninklijke Academie van Beeldende Kunsten (*Royal Academy of Fine and Applied Arts*): The Hague, 4 Prinsessegracht; Dir. J. J. BELJON.

Rijksakademie van Beeldende Kunsten (*State Academy of Fine Arts*): Amsterdam, Stadhouderskade 86; Dir. Prof. Dr. N. R. A. VROOM.

NETHERLANDS WEST INDIES

Population 496,000

NETHERLANDS ANTILLES

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Dienst Landbouw, Veeteelt en Visserij (*Department of Agriculture, Animal-Husbandry and Fisheries*): Plantentuin Cas Cora, Curaçao; Dir. Ir. E. S. PIETERS KWIERS.

Het Departement Waterveerziening, Veeteelt en Visscherij (*Department of Water Supply, Agriculture, Cattle-breeding and Fisheries*): Curaçao; Dir. M. DE VREEZE; Aruba: Dir. Ir. S. FABER.

De Veeartsenijkundige Dienst en Warenkeuring (*Veterinary Service and Food Inspection*): Post Box 85, Curaçao; administered by the Department of Public Health (*see* below).

Inspectie Van De Volksgezondheid (*Department of Public Health*): Curaçao; Dir. Dr. W. J. A. OOSTENDORP.

Meteorologische Dienst van de Nederlandse Antillen (*Meteorological Service of the Netherlands Antilles*): Dr. A. Plesman Airport, Curaçao; Dir. Dr. A. BRUINENBERG; publ. *Statistics of Meteorological Observations in Netherlands Antilles.*

LIBRARIES

Openbare Leeszaalen Bibliotheek: Curaçao.

Openbare Leeszaal en Boekerij: Eilandgebied Aruba; f. 1949; operates two public libraries on the island of Aruba, one in the capital Oranjestad, and one in the town of St. Nicholas; 30,000 vols.; all library services, inter-library loans, special information on the Caribbean area and the Netherlands Antilles; Dir. Dr. JOHN HARTOG; publ. five-volume *History of the Netherlands Antilles* (in Dutch and English).

Stichting Wetenschappelijke Bibliotheek (*Scientific Library Foundation*): Curaçao; f. 1950; all fields of pure and applied science; union catalogue of all non-fiction books in the Netherlands Antilles; Librarian J. M. VERHOEVEN.

MUSEUM

Curaçao Museum: Curaçao; paintings and historical.

MUSIC SCHOOLS

Aruba Public School of Music: Aruba; Government support.

Curaçao Public School of Music: Curaçao, Government supported.

SURINAM

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Departement van Landbouw, Veeteelt en Visserij (*Department of Agriculture, Animal Husbandry and Fisheries*): P.O. Box 1807, Paramaribo; Dir. of the Dept. Ir. G. P. TIGGELMAN; publ. *Annual Report.*

Landbouwproefstation (*Agricultural Experiment Station*): P.O. Box 160, Paramaribo; library of 12,000 vols., including bound periodicals and pamphlets; Dir. Ir. J. A. SAMSON; publs. Bulletins and Communications (at irregular intervals), *De Surinaamse Landbouw* (Surinam Agriculture; bi-monthly).

Geologisch Mijnbouwkundige Dienst (*Geological Mining Service*): 2-6 Kleine Waterstraat, Paramaribo; Dir. Ir. G. DOEVE; 9,902 vols. in library; publs. *Jaarboeken, Mededelingen, Geol. Kaartbladen.*

Foundation for Scientific Research: P.O. Box 164, Paramaribo.

Stichting Cultureel Centrum Suriname (*Surinam Cultural Centre*): P.O. Box 1241, Paramaribo; f. 1947 to promote and improve cultural activities throughout the country; library of 20,826 vols.; Pres. E. R. WESSELS; Sec. Miss E. POLANEN.

Stichting Planbureau Suriname (*Surinam Planning Board*): Gravenstraat No. 5, P.O. Box 172, Paramaribo; Dir. Dr. Ir. F. E. ESSED.

MUSEUM

Surinam Museum, The: Paramaribo, Surinam; Dir. Dr. D. C. GEIJSKES.

COLLEGE

School of Medicine: Paramaribo; affiliated to the University of Leyden.

NEW ZEALAND

Population 2,641,179

LEARNED SOCIETIES

THE ROYAL SOCIETY OF NEW ZEALAND

BOX 196, WELLINGTON

Founded 1867

The Royal Society is the senior scientific institution of New Zealand. At the time of its foundation it had four branches, the Auckland Institute, the Wellington Philosophical Society, the Philosophical Society of Canterbury and the Otago Institute. It now has thirteen.

President: C. A. FLEMING, O.B.E., B.A., D.SC., F.R.S.N.Z., F.M.A.N.Z., F.G.S.

Vice-Presidents: J. A. R. MILES, M.A., M.D., M.SC., F.R.A.C.P., F.R.S.N.Z., R. W. WILLETT, M.SC., F.G.S., F.R.S.N.Z.

Secretary: Mrs. M. E. MARSH, c/o Victoria University of Wellington, Wellington.

The thirteen branches are as follows:

Auckland Institute and Museum: P.O. Box 9027, Auckland, S.E.1; Sec. G. ARCHEY, O.B.E., M.A., D.SC., F.R.S.N.Z.

Canterbury Branch of the Royal Society of New Zealand: c/o Canterbury Museum, Christchurch, C.1; f. 1862 as Canterbury Philosophical Institute; 290 mems.; Sec. E. R. MANGIN.

Hawke's Bay Branch, Royal Society of New Zealand: c/o Hawke's Bay Museum, Napier.

Nelson Branch: Entomological Station, P.O. Box 223, Nelson.

New Zealand Ecological Society: Box 202, Wellington; Sec. P. R. WILSON.

New Zealand Society of Soil Science: c/o Soil Bureau, Private Bag, Lower Hutt; Sec. L. C. BLACKMORE.

Otago Branch of the Royal Society of New Zealand: Otago; Sec. Miss A. P. WYLIE, Otago Museum, Dunedin.

Rotorua Branch of the Royal Society of New Zealand: Box 818, Rotorua.

Southland Branch, Royal Society of New Zealand: c/o 55 Elles Road North, Invercargill.

Waikato Branch of the Royal Society of New Zealand: P.O. Box 908, Hamilton.

Wellington Branch of the Royal Society of New Zealand: P.O. Box 3085, Wellington, C.3; f. 1867 as Wellington Philosophical Society, name changed 1938; 400 mems.; Pres. R. K. DELL; Sec. I. ESTCOURT.

Geological Society of New Zealand: P.O. Box 2110, Christchurch; Hon. Sec. D. R. GREGG.

New Zealand Institute of Chemistry: P.O. Box 250, Wellington; Gen. Sec. W. E. HARVEY.

New Zealand Association of Scientists: Box 1874, Wellington.

New Zealand Geographical Society: Department of Geography, University of Canterbury, Christchurch; f. 1944 to promote and stimulate the study of geography; branches in Auckland, Wellington, Christchurch, Manawatu and Dunedin; 1,300 mems. in New Zealand, 250 overseas mems.; Chair. D. I. MACDONALD, M.COM.; Sec. T. E. FRENCH, B.A., M.COM.; Treas. W. A. V. CLARK, PH.D.; publs. *New Zealand Geographer* (twice yearly) and the *Record* (twice yearly).

New Zealand Institute of Architects (Inc.): 22 Johnston Street, Wellington, C.1; f. 1905; Pres. E. V. DAWSON; Sec. F. D. WINTER; publ. *Journal* (monthly).

New Zealand Library Association, Inc.: 10 Park Street, Wellington, N.1.

Polynesian Society: Wellington; f. 1892; to promote studies and publications dealing with native peoples of Polynesia, Melanesia and Micronesia; library; 1,200 mems. Pres. J. M. MCEWEN; Sec. J. M. BOOTH, Box 5195, Wellington; publs. *Memoirs, Journal* (quarterly), *Maori Monographs, Maori Texts.*

Queen Elizabeth II Arts Council of New zealand: P.O. Box 2563, Wellington; f. 1963; promoting practice and appreciation of the arts; 56 mems.; Chair. G. G. GIBBES WATSON, C.M.G.

Royal Agricultural Society of New Zealand: P.O. Box 7007, Claudelands, Hamilton; f. 1924; Sec. C. T. BECK; publ. *Gazette* (twice annually).

Royal Astronomical Society of New Zealand: P.O. Box 3181, Wellington; f. 1920; 270 mems.; Sec. C. FISK; Editor G. A. EIBY; publs. *Southern Stars* (quarterly) and *News Sheet* (monthly).

RESEARCH INSTITUTES

Auckland Medical Research Foundation: P.O. Box 5546, Auckland; f. 1956; financed by public subscription to sponsor and encourage medical research; Pres. KENNETH B. MYERS, M.B.E.; Vice-Pres. Sir DOUGLAS ROBB, C.M.G., M.D., F.R.C.S.; publ. *Annual Report.*

Canterbury Medical Research Foundation: c/o Medical Unit, Princess Margaret Hospital, Cashmere, Christchurch; privately financed; Sec. A. W. MANN, 153 Hereford Street, Christchurch.

Carter Observatory: Wellington, W.1; founded 1939 by Act of New Zealand Parliament; Observatory building completed December 1941; work of Observatory includes adult education in astronomy, co-operation with schools and colleges, solar and terrestrial relationships, and general astronomical research; Dir. I. L. THOMSEN.

Cawthron Institute: Nelson, N.Z.; f. 1919; agricultural research, especially plant nutrition and soils; library of 3,900 vols.; Dir. Dr. C. R. BARNICOAT; Soils Dr. E. B. KIDSON; Biochemistry Dr. J. R. L. WALKER; Mycology T. B. C. CHRISTIE, M.SC.; Museum Curator L. A. J. DE ABAFFY; Hon. Curator Atkinson Observatory E. L. MORLEY; publs. *Annual Report, Cawthron Lectures, Bulletins, Papers.*

Christchurch Geophysical Observatory: Geophysics Division, Department of Scientific and Industrial Research,

P.O. Box 2111, Christchurch, C.1; maintains vertical sounding ionosphere stations at Godley Head, Christchurch; Rarotonga, Cook Islands; Raoul Island, Kermadec Group; Campbell Island and Scott Base, Antarctica; fundamental research into upper atmosphere physics in New Zealand area with emphasis on structure and dynamics of the Ionosphere is undertaken; Dir. J. W. BEAGLEY, M.SC.; publ. *Ionospheric Data Bulletins* (annually).

Dairy Research Institute (N.Z.), The: P.O. 1204, Palmerston North; established 1927 as a unit of the D.S.I.R., inc. 1947; Depts. of Bacteriology, Chemistry, Engineering and Dairy Manufactures; Chief Bact. P. S. ROBERTSON, M.SC., PH.D., F.N.Z.I.C.; Chief Chemist R. M. DOLBY, M.SC., PH.D., F.N.Z.I.C.; Chief Research Engineer D. W. KING, B.E.(CHEM.), B.SC., A.N.Z.I.C., A.M.I.; Dir. W. A. MCGILLIVRAY, M.SC., PH.D., D.SC., F.N.Z.I.C.

Department of Agriculture: P.O. Box 2298, Wellington; directs a number of research stations, including the Animal Research Stations at Wallaceville and Ruakura, and the Rukuhia Soil Research Station.

Department of Scientific and Industrial Research (N.Z.): P.O. Box 8018, Wellington, C.1; f. 1926; Dir.-Gen. Dr. W. M. HAMILTON; Asst. Dirs.-Gen. E. I. ROBERTSON, L. W. TILLER, I. D. DICK.

DIRECTORS:

Animal Ecology Division: Dr. K. WODZICKI.
Applied Mathematics Division: Dr. H. R. THOMPSON.
Auckland Industrial Development Division: J. B. BROOKE.
Botany Division: Dr. E. J. GODLEY.
Chemistry Division: Dr. I. K. WALKER.
Crop Research Division: Dr. H. C. SMITH.
Entomology Division: Dr. J. M. HOY.
Fats Research Division: Dr. F. B. SHORLAND.
Fruit Research Division: J. D. ATKINSON.
Geological Survey: R. W. WILLETT.
Geophysics Division: Dr. F. F. EVISON.
Grassland Division: Dr. L. CORKILL.
Institute of Nuclear Sciences: T. A. RAFTER.
Oceanographic Institute: J. W. BRODIE.
Physics and Engineering Laboratory: W. H. WARD.
Plant Chemistry Division: Dr. A. T. JOHNS.
Plant Diseases Division: Dr. E. E. CHAMBERLAIN.
Plant Physiology Division: Dr. K. J. MITCHELL.
Soil Bureau: Dr. J. K. DIXON.
Tobacco Research Station: R. THOMSON.
Wheat Research Institute: E. W. HULLETT.
Superintendent, Antarctic Division: G. W. MARKHAM.
Superintendent, Hop Research Station: Dr. R. H. J. ROBORGH.
Officer-in-Charge, Information Service: F. E. STUDT.
Senior Scientific Liaison Officer, London: Dr. V. ARMSTRONG.

Executive Officer (Industrial): C. P. MCEVEDY.

Publs. *New Zealand Journal of Agricultural Research* (published quarterly), *New Zealand Journal of Botany* (quarterly), *New Zealand Journal of Geology and Geophysics* (quarterly), *New Zealand Journal of Science* (quarterly), *Annual Report, Bulletins, Information Series, Geological Bulletins, Geological Memoirs, Palaeontological Bulletins, Seismological Bulletins, Soil Bulletins, Departmental Handbook*, etc.

INCORPORATED RESEARCH ASSOCIATIONS:

Dairy Research Institute (New Zealand): Dr. F. H. MCDOWALL.

Meat Industry Research Institute of New Zealand (Inc.): N. H. LAW.

New Zealand Fertiliser Manufacturers Research Association (Inc.): (vacant).

New Zealand Leather and Shoe Research Association (Inc.): F. W. WOODROFFE.

New Zealand Pottery and Ceramics Research Association (Inc.): Dr. P. K. FOSTER.

New Zealand Wool Industries Research Institute (Inc.): Dr. L. F. STORY.

Research Institute of Launderers, Drycleaners and Dyers of New Zealand (Inc.): N. S. WHITTALL.

Wool Research Organisation of New Zealand (Inc.): N. F. ROBERTS.

Forest Research Institute: Private Bag, Whakarewarewa, Rotorua; f. 1947; co-ordinates and supervises all research carried out by the New Zealand Forest Service; Dir. Dr. S. D. RICHARDSON, M.A., B.SC., D.PHIL. (OXON.).

Hawke's Bay Medical Research Foundation (Inc.): P.O. Box 596, Napier.

Industrial Development Department, University of Canterbury: Hereford Street West, Christchurch; research for industry and government departments in New Zealand; Dir. T. R. POLLARD, A.I.E.E., A.S.M.E.

Maori Education Foundation: f. 1961; government sponsored vocational training and education of Maoris.

New Plymouth Astronomical Society Observatory: New Plymouth; f. 1920; Hon. Dir. D. W. DANIEL.

New Zealand Council for Educational Research: Southern Cross Buildings, Brandon Street, Wellington, C.1; research into educational problems; Dir. G. W. PARKYN.

New Zealand Institute of Economic Research: 26 Kelburn Parade, Wellington; f. 1958; research into New Zealand economic development; quarterly analysis and forecasts of economic conditions; Dir. J. W. ROWE; Chair. J. T. ANDREWS.

New Zealand Magnetic Survey: Geophysics Division, Department of Scientific and Industrial Research, Botanic Gardens, Christchurch, C.1; Magnetic Survey throughout New Zealand and its Dependencies; operates magnetic observatories at Apia, Western Samoa, Amberley, near Christchurch, Scott Base, Ross Dependency; preparation of magnetic charts of New Zealand and S.W. Pacific; climatological observations of Christchurch; Superintendent A. L. CULLINGTON, B.SC.

New Zealand Medical Research Council: P.O. Box 5135, Wellington C.1; f. 1950; to foster medical research, prepare reports and to inform and assist persons or organisations concerned with medical research; Chair. DOUGLAS PETER KENNEDY, E.D., M.B., CH.B. (N.Z.), D.P.H. (LOND.).; Sec. K. A. G. HINDES.

Palmerston North Medical Research Foundation: c/o Public Hospital, Palmerston North; privately financed.

Ross Dependency Research Committee: Department of Scientific and Industrial Research, P.O. Box 8018, Wellington; responsible to the Minister in Charge of Scientific and Industrial Research for co-ordinating all New Zealand activity in the Ross Dependency; Chair. Dr. E. I. ROBERTSON; Sec. K. W. BURNS.

Veterinary Services Council: 126-132 Lambton Quay, Wellington.

Wellington Medical Research Foundation: c/o The Secretary, P.O. Box 3025, Wellington; privately financed.

Wheat Research Institute: 197 Hereford Street, Christchurch; f. by Act of Parliament 1928; the Institute is part of the Department of Scientific and Industrial Research; functions are research, advice and teaching with the object of improving wheat, flour and bread; Dir. R. W. CAWEY, M.SC., F.N.Z.I.C.; Sec. L. A. MANSELL, B.A., DIP.J.; publ. *New Zealand Wheat Review* (three-yearly.

LIBRARIES

Alexander Turnbull Library: P.O. Box 8016, Bowen Street, Wellington; f. 1919; 120,000 vols., 570 linear MSS., 10,000 pictures and prints, 200,000 photographic negatives, 5,750 maps, 2,100 reels micro-film; collections of Pacific ethnology, history, linguistics, literature (with emphasis on New Zealand material); English literature (specialising in Milton studies) and drama; early printing, printing history and graphic art; Antarctic exploration; fine arts; Chief Librarian J. R. COLE, B.A., DIP.JOURN., DIP.N.Z.L.S., A.N.Z.L.A.; Dep. Librarian M. G. HITCHINGS, B.A., DIP.N.Z.L.S., A.N.Z.L.A.; publs. *Turnbull Library Record, Bulletin Series, Monograph Series, Annual Report.*

Auckland Public Library: Wellesley Street, Auckland, C.1; f. 1880 10 branch libraries, mobile library, reference library; 504,000 vols.; special collections Grey and Shaw Collections of MSS. and incunabula; Grey Maori Collection, Lewis Eady Music Collection, Reed Dumas Collection; Librarian R. DUTHIE, B.A., DIP.N.Z.L.S., A.N.Z.L.A.

Auckland University Library: P.O. Box 2175, Auckland; f. 1882; 143,000 vols.; Librarian F. A. SANDALL, B.A., DIP.ED., DIP.LIB., F.L.A., F.N.Z.L.A.

Canterbury Public Library: P.O. Box 1466, 109 Cambridge Terrace, Christchurch; f. 1859; 99,000 vols.; library contains Lending, Reference and Children's Departments, Newspaper Room, also serving suburban libraries; City Librarian R. N. O'REILLY, M.A., A.N.Z.L.A.; publ. *Journal.*

Canterbury University Library: Christchurch; f. 1873; approx. 200,000 vols.; Librarian C. W. COLLINS, M.A., A.B.L.S., F.L.A., F.N.Z.L.A.

Dunedin Public Library: P.O. Box 906, Moray Place, Dunedin, C.1; f. 1908; 207,917 vols.; Alfred and Isabel Reed collection of illuminated MSS.; Librarian Miss A. H. FACHE, A.N.Z.L.A.

General Assembly Library: Wellington, C.1; f. 1856; 300,000 vols., 50,000 pamphlets and 22,000 maps; national reference collection; Library of Parliament, copyright and international exchange repository; special collections: New Zealand literature and largest N.Z. newspaper and periodical collection in country; Chief Librarian J. O. WILSON, D.S.C., M.COM., A.L.A., A.N.Z.L.A.; publs. *Copyright List* (monthly, with annual cumulation), *Copyright Periodicals Currently Received* (every second year).

Leys Institute: 20 St. Mary's Road, Ponsonby; early New Zealand history; Librarian Miss C. RIDLING.

Library of the Otago District Law Society: Stuart Street, Dunedin; f. 1859; 10,000 vols.; Librarian Miss N. L. GILKISON.

Lincoln College Library: George Forbes Memorial Library, Lincoln, Christchurch; 8,000 vols.; Librarian JOHN A. FRAMPTON, B.A., DIP.N.Z.L.S., A.N.Z.L.A.

Marion Davis Memorial Library: Auckland Hospital, Park Road, Auckland, C.3; f. 1949; 15,000 vols.; medicine and related subjects; Librarian ELAINE ROBINSON, A.N.Z.L.A.

National Archives: Department of Internal Affairs, Wellington.

National Library Service: Private Bag, Wellington; Dir. G. T. ALLEY; comprises Country Library Service: f. 1938, 640,000 vols.; New Zealand Library School: f. 1946; School Library Service: f. 1942, 1,700,000 vols.; National Library Centre: f. 1942, 200,000 vols.; co-ordinates inter-library loans, maintains National Union Catalogue; publs. *Index to New Zealand Periodicals and Current National Bibliography of New Zealand Books and Pamphlets, Union List of Serials in New Zealand Libraries*, printed catalogue cards for New Zealand books, Bibliographical series, studies in Library Administration and Occasional papers.

Otago University Library (Hocken Library): P.O. Box 56, Dunedin; f. 1869; 280,000 vols.; Librarian W. J. MCELDOWNEY, M.A.; special collections: Hocken Library of N.Z. and South Seas material, 25,000 vols. (also MSS., maps, pictures).

Otago University Medical School Library: Great King Street, Dunedin; f. 1916; general medical information; includes an Historical Library, containing Monro's collection of books and manuscripts; 50,000 vols.; Librarian HARRY D. ERLAM, B.A., A.L.A., A.N.Z.L.A.

Palmerston North Public Library: P.O. Box 602, Palmerston North; f. 1876; 72,000 vols.; lending, reference, children's, art and music sections; 3 br. libraries; Librarian C. D. TRUDGEON, B.A., A.N.Z.L.A.

Victoria University Library: P.O. Box 196, Wellington; 175,000 vols.; Librarian (Vacant).

Wellington Public Libraries: P.O. Box 1992, Wellington, f. 1841; 259,343 vols.; City Librarian STUART PERRY, LL.B., A.L.A., F.N.Z.L.A.; 9 br. libraries and mobile suburban service.

MUSEUMS AND ART GALLERIES

Aigantighe Art Gallery: 49 Wai-iti Road, Timaru; New Zealand and British painters; Dir. CLIFFORD BRUNSDEN.

Auckland City Art Gallery: Wellesley Street East, Auckland, C.1; f. 1888; European and New Zealand paintings; Frances Hodgkins collection, 20th-century European sculpture, old masters, 19th and 20th century prints; Dir. G. C. DOCKING, B.A.; publ. *Art Gallery Quarterly.*

Auckland Institute and Museum: Private Bag, Auckland 1; f. 1852 (Museum), 1867 (Institute), united 1869; Museum of natural history, ethnology, applied arts and armed services; 1,200 mems. (400 life mems.); approx. 40,000 vols.; Dir. E. G. TURBOTT, M.SC.; Librarian ENID A. EVANS, B.A., A.L.A.; publs. *Records* (annual), *Bulletin* (as required), handbooks and educational leaflets.

Bishop Suter Art Gallery: Queen's Gardens, Bridge Street, Nelson; works of John Gully; Sec. J. R. OLIVER.

Canterbury Museum: 109 Cambridge Terrace, Christchurch; f. 1867; ethnology and natural history (notably ornithology) of N.Z. and Pacific Basin, early Colonial exhibits, European fine arts; Dir. ROGER DUFF, M.A., D.SC., F.R.S.N.Z.; publs. *Records* (annuals), *Popular Guide, Bulletin* (occasional), pamphlets.

Cawthron Institute Museum: Milton Street, Nelson; natural features and primary industries of Nelson Province; Curator L. A. J. DE ABAFFY, B.AGR.SC.

Dominion Museum: Buckle Street, Wellington; f. 1865; ethnology, natural history, geology; Dir. R. A. FALLA, C.M.G., M.A., D.SC., F.R.S.N.Z.

Dunedin Public Art Gallery: Logan Park, Dunedin; f. 1872; European Old Masters, early English water-colours, prints, etc.; Dir. J. D. CHARLTON EDGAR.

Gisborne Art Gallery and Museum: Stout Street, Gisborne; Dirs. W. H. WAY (Museum), A. B. BARNS-GRAHAM (Art Gallery).

Hawke's Bay Art Gallery and Museum: Herschell Street, Napier; Hetley Native Flower paintings, Maclean and Black collections, Robley collection of Moko; Dir. J. S. B. MUNRO.

Invercargill Public Art Gallery: Anderson Park, Invercargill; mainly New Zealand works; Dir. ROY DICKISON.

Melanesian Mission Museum: Mission Bay, Auckland; Melanesian arts and crafts; Curator A. T. B. BROWN.

Museum of Transport and Technology: Western Springs, Auckland; f. 1960; vehicles, material and equipment of historical or technical interest; library of 3,000 vols.; Pres. Sir JOHN ALLUM, C.B.E.

National Art Gallery: Buckle Street, Wellington; British, European, Australian and New Zealand paintings; contemporary sculpture; Archdeacon Smith collection of Early English water-colours, Sir John Ilott collection of Etchings, Monrad collection of Engravings, Nan Kiveli collection of British Engravings and Lithographs; Dir. S. B. MACLENNAN, A.R.C.A.

Nelson Provincial Museum: 309 Hardy Street; f. 1841; Maori history, zoology, mineralogy, provincial history; Dir. J. R. EYLES.

New Zealand Geological Survey: State Fire Building, Andrews Avenue, Lower Hutt; collections of rocks, minerals and fossils of New Zealand and other countries; Suter collection of New Zealand Mollusca; responsible for national geological mapping and all applied geology; Dir. R. W. WILLETT, M.SC., F.R.S.N.Z.

Otago Museum: Great King Street, Dunedin; f. 1865; natural sciences and anthropology; Dir. Dr. R. R. FORSTER, D.SC., F.M.A.N.Z.; publs. *Annual Report*, *Handbooks to the Collections*.

Robert McDougall Art Gallery: Botanic Gardens, Rolleston Avenue, Christchurch; Dir. W. S. BAVERSTOCK.

Sarjeant Art Gallery: c/o The Town Clerk, P.O. Box 637, Wanganui; European Old Masters, English water-colours and Pre-Raphaelite paintings, representative New Zealand collection, Gilfilan collection, Barraud collection, drawings by Bernadino Poccetti; Hon. Curator H. D. ROBERTSON, M.B., CH.B.

Southland Museum: Victoria Avenue, Invercargill; natural history, Maori and Polynesian section; Dir. GORDON WHITE.

Waitangi Treaty House: Waitangi National Reserve, Paihia, Bay of Islands; site of Treaty of Waitangi; exhibits of New Zealand historical interest up to 1840.

Wanganui Public Museum: Maria Place, Wanganui; ethnology, natural history and historical; Curator-Dirs. A. J. BANNISTER, O. G. DOYLE.

West Coast Historical Museum: Library Building, Hamilton Street, Hokitika; historical, timber, wild life and mineral collections; gold mining exhibition; Sec. R. C. DRUMMOND.

UNIVERSITIES

UNIVERSITY OF AUCKLAND

PRINCES STREET, AUCKLAND C.1

Telephone: 30-060.

Founded 1882.

Chancellor: Sir DOUGLAS ROBB, C.M.G., M.D., CH.M., F.R.C.S. (ENG.), F.R.A.C.S., F.A.C.S. (HON.).
Pro-Chancellor: W. H. COOPER, M.A.
Vice-Chancellor: K. J. MAIDMENT, M.A.
Registrar: J. A. S. KIRKNESS, M.COM., A.R.A.N.Z.
Librarian: F. A. SANDALL, B.A., DIP.ED., DIP.LIB., F.L.A.

Number of teachers: 242 (full-time), including 34 professors.

Number of students: 3,739 men, 1,238 women, total 4,977.

Publications: *University College Calendar*, etc.

DEANS:

Faculty of Commerce: G. P. BRAAE, D.PHIL., M.COM.
Faculty of Arts and Education: R. WINTERBOURN, M.A., DIP.ED., PH.D.
Faculty of Law: A. G. DAVIS, LL.D., LL.B.
Faculty of Architecture: A. C. LIGHT, B.A., F.R.I.B.A., F.R.S.A., A.N.Z.I.A.
Faculty of Music: C. NALDEN, MUS.B., MUS.D.
Faculty of Engineering: N. A. MOWBRAY, B.E., A.M.I.C.E., M.N.Z.I.E., A.M.I.W.E.
Faculty of Science: F. H. SAGAR, M.SC.

PROFESSORS:

ASHER, J. A., M.A., PH.D., German
BEADLE, P. J., F.R.S.A., N.Z.S.I.D., Fine Arts
BLAIKLOCK, E. M., M.A., LITT.D., Classics
BOGLE, A. G., B.E. (ELEC.MECH. and MECH.), D.PHIL., A.M.I.E.E., A.M.N.Z.I.E. Electrical Engineering
BONHAM, D. G., M.A., F.R.C.S., Obstetrics and Gynæcology
BRADLEY, R. D., PH.D., Philosophy
BRIGGS, L. H., D.PHIL., D.SC., F.N.Z.I.C., F.R.S.N.Z., F.A.N.Z.A.A.S., Chemistry
BROWN, D., PH.D., Physics
CHAPMAN, R. M., M.A., Political Studies
CHAPMAN, V. J., PH.D., F.L.S., Botany
CHONG, F., M.A., M.SC., PH.D., Mathematics
CUMBERLAND, K. B., M.A., D.SC., Geography
DAVIS, A. G., LL.D., Law
HOOTON, D. J., M.SC., PH.D., Theoretical Physics
JOHNSTON, T. R., PH.D., Accountancy
KENNEDY, R. T., C.B.E., A.R.I.B.A., M.T.P.I., Town Planning
KEYS, A. C., M.A., D.U.P., Romance Languages
LIGHT, A. C., B.A., F.R.I.B.A., F.R.S.A., A.N.Z.I.A., Architecture
LILLIE, A. R., M.A., D.SC., Geology
LLEWELLYN, D. R., D.SC., D.PHIL., F.R.I.C., F.N.Z.I.C., Chemistry
MATTHEWS, R. E. F., Microbiology
MORTON, J. E., D.SC., PH.D., Zoology
MOWBRAY, N. A., B.E. (Civil), A.M.I.C.E., A.M.I.W.E., M.N.Z.I.E., Civil Engineering
MUSGROVE, S., M.A., D.PHIL., English Language and Literature
NALDEN, C., MUS.B., MUS.D., Music
NORTHEY, J. F., D.JUR., LL.M., Public Law
PIDDINGTON, R. O., PH.D., M.A., Anthropology
SAMPSON, H., M.A., PH.D., Psychology
SCOTT, F. F., M.A., M.LITT., English Language and Literature
SIMKIN, C. G. F., M.A., D.PHIL., DIP.SOC. S.C., Economics
TITCHENER, A. L., B.SC., B.E. (Mining Mech.), SC.D., Mechanical Engineering
TOY, R. H., PH.D., A.R.I.B.A., A.N.Z.I.A., Architectural Design
WINTERBOURN, R., M.A., DIP.ED., PH.D., Education
WOOLARD, F., M.ARCH., A.S.T.C., F.R.A.I.A., F.N.Z.I.A., M.R.S.H., Architectural Design

UNIVERSITY OF CANTERBURY

PRIVATE BAG, CHRISTCHURCH

Telephone: 65-819.

Founded 1873.

Chancellor: Rt. Rev. A. K. WARREN, M.C., M.A.
Vice-Chancellor and Rector: Dr. L. L. POWNALL, M.A., PH.D.
Registrar: G. G. TURBOTT, M.C., J.P., B.A., B.COM., A.R.A.N.Z.
Librarian: C. W. COLLINS, M.A., A.B.L.S., F.L.A.

Number of teachers: 280, including 31 professors.

Number of students: 3,448 men, 1,198 women, total 4,646.

Publications: *University Calendar*, *Gazette*.

DEANS:

Faculty of Arts: R. T. SUSSEX, M.A., D.U., F.R.A.N.Z., F.C.I.S.
Faculty of Commerce: A. S. CARRINGTON, M.COM., F.C.A.I., F.I.A.N.Z.
Faculty of Law: H. R. GRAY, LL.M.
Faculty of Music and Fine Arts: J. A. RITCHIE, MUS.B., L.MUS.T.C.L., L.T.C.L.
Faculty of Science: A. CROWTHER, M.A., PH.D., F.B.PS.S.
Faculty of Engineering: H. J. HOPKINS, D.F.C., M.A., M.I.C.E., F.N.Z.I.E.

PROFESSORS:

BROWNLIE, A. D., M.COM., Economics
CARRINGTON, A. S., M.COM., Accountancy
CARTER, T. E., B.A., Germanic Languages
CROWTHER, A., M.A., PH.D., Psychology
DANKS, A. J., M.A., Economics
FIELD, H. E., M.A., PH.D., Education
GARRETT, J. C., M.A., English Language and Literature
GRAY, H. R., LL.M., Law
HENDERSON, F. M., M.SC., Civil Engineering
HOPKINS, H. J., D.F.C., M.A., Civil Engineering
KAY, L., PH.D., Electrical Engineering
KENNEDY, A. M., PH.D., Chemical Engineering
KIDD, D. A., M.A., Classics
KNOX, G. A., M.SC., Zoology
LAWDEN, D. F., M.A., SC.D., Mathematics
McLELLAN, A. G., M.SC., PH.D., Physics
PETERSEN, G. M., M.A., PH.D., D.SC., Mathematics
PHILIPSON, W. R., PH.D., Botany
PHILLIPS, N. C., M.A., History
POCOCK, J. G. A., M.A., PH.D., Political Science
RASTRICK, R. J., B.E., Mechanical Engineering
RHODES, H. W., M.A., English Language and Literature
RITCHIE, J. A., MUS.B., Music
SHORTER, J. M., M.A., Philosophy
SIMPSON, H. J., Fine Arts
SUSSEX, R. J., M.A., D.DE L'U., Romance Languages
VAUGHAN, J., M.SC., Chemistry
WILKINS, C. J., M.SC., PH.D., Chemistry
WYBOURNE, B. G., M.SC., PH.D., Physics

ASSOCIATED COLLEGE:

Lincoln College: Canterbury; f. 1878; formerly the Canterbury Agricultural College.

Chair. of Council: T. D. J. HOLDERNESS.
Principal: M. M. BURNS, C.B.E., M.SC., PH.D., F.N.Z.I.C.
Vice-Principal: I. E. COOP, D.PHIL., M.SC.
Registrar: H. G. HUNT, J.P., F.C.I.S., A.R.A.N.Z.
Librarian: J. A. FRAMPTON, B.A., DIP.N.Z.L.S., A.N.Z.L.A.

Number of teachers: 56, including 8 professors.
Number of students: 793, including short-course students.

Publications: *Annual Review*, *Chamber of Commerce Agricultural Bulletins* (monthly), *Technical Publication* (irregular), *Research Publication* (irregular).

PROFESSORS:

BURTON, J. R., B.E., M.A.S.C.E., A.I.M.E.-AUST., M.A.I.A.S., Agricultural Engineering
COOP, I. E., D.PHIL., M.SC., Animal Science
HENDERSON, A. E., PH.D., Wool
HOWARD, B. H., PH.D., F.R.I.C., Biochemistry
LANGER, R. H. M., PH.D., Plant Science
PHILPOTT, B. P., M.A., M.COM., Agricultural Economist
STEWART, J. D., M.A., PH.D., Farm Management and Rural Valuation
WALKER, T. W., D.SC., D.I.C., PH.D., A.R.C.S., Soil Science

MASSEY UNIVERSITY OF MANAWATU

P.O. PALMERSTON NORTH

Founded 1936 as Massey Agricultural College and merged with the Palmerston North Branch of the Victoria University of Wellington 1963.

Chancellor: J. C. ANDREWS, M.SC., PH.D., F.R.I.C., F.N.Z.I.C.
Vice-Chancellor: A. STEWART, M.AGR.SC., D.PHIL.
Registrar: A. J. WEIR, J.P., B.SC., A.R.A.N.Z., A.N.Z.I.C.
Librarian: (Vacant).

Number of teachers: 110.
Number of students: 964 men, 661 women.
Publications: *Dairy Farming Annual*, *Sheep Farming Annual*, *Calendar*.

DEANS:

Faculty of Agricultural and Horticultural Science: I. L. CAMPBELL, PH.D.
Faculty of Food Science and Biotechnology: J. K. SCOTT, B.E.(HONS.).
Faculty of Veterinary Science: I. J. CUNNINGHAM, C.B.E., D.SC.
Faculty of General Studies: K. W. THOMPSON, M.A., PH.D.

PROFESSORS:

BATT, R. D., M.SC., PH.D., M.A., D.PHIL., F.N.Z.I.C., Chemistry and Biochemistry
CAMPBELL, I. L., PH.D., Dairy Husbandry
CANDLER, W. V., M.AGR.SC., PH.D., Agricultural Economics and Farm Management
CLARK, W. C., M.SC., PH.D., D.I.C., Zoology
CUNNINGHAM, I. J., C.B.E., D.SC., PH.D., B.V.SC., F.R.S.(N.Z.), Veterinary Science
FIELDEN, E. D., B.AGR.SC., B.V.SC., Veterinary Clinical Science
FREAN, R. G., M.A., A.M., PH.D., English
HAYMAN, B. I., M.SC., M.A., PH.D., Mathematics
HILL, C. G. N., M.A., PH.D., Education
LANCASTER, M. C., PH.D., Animal Health
OLIVER, W. H., M.A., D.PHIL., History
RAE, A. L., M.AGR.SC., PH.D., Sheep Husbandry and Wool
SCOTT, J. K., B.E. (HONS.), Food Technology
THOMPSON, K. W., M.A., PH.D., Geography
TITCHEN, D. A., M.A., PH.D., Veterinary Biology
VEALE, J. A., M.SC., PH.D., D.I.C., F.R.I.H., M.I.B., Horticulture
(Vacant—Biological Science, Plant Science)

UNIVERSITY OF OTAGO

DUNEDIN

Telephone: 79-561.

Founded 1869.

Chancellor: Rev. H. J. RYBURN, C.M.G., M.A., HON. LL.D.
Pro-Chancellor: T. K. S. SIDEY, LL.M.
Vice-Chancellor: A. BEACHAM, O.B.E., M.A., PH.D.
Pro-Vice-Chancellor: R. R. NIMMO, M.SC., PH.D., F.INST.P.
Registrar: J. W. HAYWARD, B.COM.
Librarian: W. J. McELDOWNEY, M.A.

Number of teachers (full-time): 283, including 35 professors.
Students: 2,574 men, 1,183 women, total 3,757.
Publication: *University Calendar*.

DEANS:

Faculty of Science: D. S. COOMBS, PH.D., M.SC., F.G.S., F.R.S.N.Z.
Faculty of Medicine: Sir EDWARD SAYERS, C.M.G., M.D., F.R.C.P., F.R.A.C.P., F.R.C.P. (EDIN. HON.), F.A.C.P. (HON.), F.R.S.N.Z., D.T.M. & H.
Faculty of Dentistry: Sir JOHN WALSH, K.B.E., D.D.SC., M.B., HON. M.D.S., F.D.S.R.C.S., F.R.S.N.Z.
Faculty of Arts and Music: E. A. HORSMAN, M.A.
Faculty of Home Science: PATRICIA D. COLEMAN, DIP.H.SC., M.S.
Faculty of Law: F. W. GUEST, M.A., LL.M.
Faculty of Commerce: T. K. COWAN, M.COM., F.P.A.N.Z.
Faculty of Theology: Rev. F. W. R. NICHOL, M.A., PH.D.

PROFESSORS:

ADAMS, W. E., D.SC., PH.D., M.B., CH.B., F.R.S.N.Z., Anatomy
BAYLIS, G. T. S., M.SC., PH.D., D.I.C., F.R.S.N.Z., Botany
COLEMAN, PATRICIA D., DIP.H.SC., M.S., Home Science
COOMBS, D. S., PH.D., M.SC., F.G.S., F.R.S.N.Z., Geology
COWAN, T. K., M.COM., F.P.A.N.Z., Accountancy
DIXON, C. W., M.D., M.R.C.S., L.R.C.P., D.L.O., D.C.H., D.P.H., Preventive and Social Medicine
DURNING, W. C. M., M.D.S., PH.D., Prosthetic Dentistry
EDSON, N. L., PH.D., F.R.S.N.Z., F.N.I.Z.C., Biochemistry
FRAENKEL, G. J., M.CH., F.R.C.S., M.A., F.R.A.C.S., F.A.C.S., Surgery
GRIEW, S., PH.D., Psychology
GUEST, F. W., M.A., LL.M., Law
HERD, E. W., M.A., Modern Languages
HORSMAN, E. A., M.A., English
HUNTER, J. D., M.D., M.R.C.P., F.R.A.C.P., Medicine
IRONSIDE, W., M.D., Psychological Medicine
JOWETT, G. H., M.A., PH.D., Mathematical Statistics
MARPLES, B. J., M.A., M.SC., F.R.S.N.Z., Zoology
MILES, J. A. R., M.A., M.D., F.R.A.C.P., F.R.S.N.Z., Microbiology
MITCHELL, F. W., M.A., PH.D., Education
NIMMO, R. R., M.SC., PH.D., F.INST.P., Physics

PARTON, H. N., M.SC., PH.D., F.N.Z.I.C., Chemistry
PLATT, P., M.A., Music
QUINN, K. F., M.A., Classics
ROBINSON, J. R., M.D., PH.D., SC.D., F.N.Z.I.C., F.R.S.N.Z., Physiology
ROSS, A., M.C., PH.D., M.A., History
SAYERS, Sir EDWARD, C.M.G., M.D., F.R.C.P., F.R.A.C.P., F.R.S.N.Z., Therapeutics
SMIRK, Sir HORACE, K.B.E., M.D., F.R.C.P., F.R.A.C.P., Medical Research
TAYLOR, D., M.A., Philosophy
WALSH, Sir JOHN, K.B.E., M.B., D.D.SC., HON.M.D.S., F.D.S.R.C.S., F.R.S.N.Z., F.A.C.D., Dentistry
WARREN, J. LE B., M.D.SC., F.D.S.R.C.S., Conservative Dentistry
WILLIAMS, G. J., PH.D., M.SC., D.I.C., Mineral Technology
WILLIAMS, J. W., M.COM., PH.D., Economics
WRIGHT, J. L., M.B., CH.B., F.R.C.S., F.R.C.O.G., F.R.A.C.S., Obstetrics and Gynæcology
WYNN WILLIAMS, A., M.D., PH.D., M.R.C.P., M.C.PATH., D.C.P., Pathology
Appointment Pending, Pure and Applied Mathematics

VICTORIA UNIVERSITY OF WELLINGTON

WELLINGTON

Telephone: 46-046.

Founded 1897.

Chancellor: Sir DUNCAN STOUT, C.B.E., D.S.O., F.R.C.S., M.S.
Pro-Chancellor: P. P. LYNCH, C.B.E., M.D.(N.Z.), F.R.A.C.P., LL.D.
Vice-Chancellor: J. WILLIAMS, LL.M., PH.D.
Registrar: L. O. DESBOROUGH, B.COM., A.R.A.N.Z.
Librarian: H. G. MILLER, M.A.

Number of full-time teachers: 260, including 38 professors.

Number of students: 4,461 attending lectures, 270 exempted.

Publication: *Victoria University of Wellington Calendar.*

DEANS:

Faculty of Arts: W. G. MINN, M.A.
Faculty of Commerce and Education: E. A. B. PHILLIPS, B.A.
Faculty of Languages and Literature: I. A. GORDON, M.A., PH.D.
Faculty of Law: C. C. AIKMAN, LL.M., PH.D.
Faculty of Science: R. H. CLARK, M.SC., PH.D., F.G.S.

PROFESSORS:

AIKMAN, C. C., LL.M., PH.D., Jurisprudence, Constitutional Law
ALLAN, D. E., M.A., English and New Zealand Law
BAILEY, C. L., M.A., DIP.ED., Education
BARBER, N. F., M.SC., D.SC., DIP.ED., Theoretical Physics
BEAGLEHOLE, E., M.A., PH.D., LITT.D., F.R.S.N.Z., Psychology
BEAGLEHOLE, J. C., C.M.G., M.A., PH.D., British Commonwealth History
BROOKES, R. H., B.SC.ECON., Political Science
BROSNAHAN, L. F., M.A., D.LITT.ET.PHIL., English Language
BUCHANAN, K. M., B.A., Geography
CAMPBELL, I. D., LL.M., English and New Zealand Law
CAMPBELL, J. T., M.A., PH.D., Mathematics
CLARK, R. H., M.SC., PH.D., F.G.S., Geology
DUNCAN, J. F., M.A., M.SC., D.SC., PH.D., Theoretical Chemistry
GORDON, H. D., PH.D., Botany
GORDON, I. A., M.A., PH.D., English Language and Literature
GOULD, J. D., M.A., Economic History
HOFFMANN, P. T., M.A., PH.D., German
HOLMES, F. W., M.A., Economics
HUGHES, G. E., M.A., Philosophy
JANAKI, K., M.A., PH.D., Asian Studies
MINN, W. G., M.A., Social Science
MURRAY, H. A., M.A., Classics
NICULESCU, B. M., PH.D., Economics
NORRISH, P. J., M.A., Modern Languages
PAGE, F. J., MUS.B., Music
PHILLIPS, E. A. B., B.A., DIP.ED., Business Administration
SALMON, J. T., D.SC., F.R.S.N.Z., Zoology
SIDEBOTHAM, R., B.A.(COM.), A.R.A.N.Z., A.A.C.C.A., A.I.M.T.A., A.C.C.S., Accountancy
SLATER, S. N., M.SC., D.PHIL., F.R.I.C., F.N.Z.I.C., Chemistry
SMITH, J. N., PH.D., D.SC., Biochemistry
STAMP, E., M.A., C.A., A.R.A.N.Z., Accountancy
WALKER, D., M.SC., PH.D., D.SC., F.INST.P., Physics
WOOD, F. L. W., M.A., History
(Vacant—Anthropology, Applied Mathematics, Education and Psychology)

UNIVERSITY OF WAIKATO

HILLCREST ROAD, HAMILTON

Telephone: 65-178.

Founded as branch of University of Auckland 1960, achieved separate university status in 1964.

Chancellor: D. ROGERS, O.B.E., M.B., CH.B.
Vice-Chancellor: D. R. LLEWELLYN, D.PHIL., D.SC., F.N.Z.I.C., F.R.I.C., F.R.S.A.
Registrar: N. W. KINGBURY, M.A.
Senior Lecturers-in-Charge: P. W. DAY, M.A.; JEANETTE KING, B.A., B.SC.(N.Z.), DIP.N.Z.L.S., A.N.Z.L.A.

Number of teachers: 30.

Number of students: 215.

DEANS:

School of Humanities: J. H. M. SALMON.
School of Social Sciences: J. T. WARD.

PROFESSORS:

BAKER, A. J., B.A. (HONS.)(Syd.,)B.PHIL. (OXON.), Philosophy
DUNCAN, C., M.A.N.Z., PH.D., Geography
RITCHIE, J. E., M.A., DIP.ED., PH.D.N.Z., Psychology
SALMON, J. H. M., M.A., N.Z., M.LITT., History
SAWYER, D. B., M.A., Mathematics
WARD, J. T., PH.D., Economics

VISITING PROFESSOR:

SEWELL, W. A., M.A., B.LITT., English

TECHNICAL INSTITUTES

Central Institute of Technology: P.O.B. 177, Buick Street, Petone, Wellington; Principal E. W. MILLS, M.A., B.COM., DIP.ED.

Seddon Polytechnic College: Wellesley Street, Auckland, C.1; Principal R. A. KEIR, A.M.I.E.E.

SCHOOLS OF ART AND MUSIC

Elam School of Fine Arts: University of Auckland, Wynyard Street, Auckland; Dir. Prof. PAUL J. BEADLE, M.N.Z.S.I.D., M.N.Z.S.S.A.

School of Fine Arts: University of Canterbury, Private Bag, Christchurch; f. 1882; Chief Officer: Prof. H. J. SIMPSON, A.T.D.

NICARAGUA

Population 1,540,655

ACADEMIES

Academia Nicaragüense (*Nicaraguan Academy*): Managua; 16th in order of foundation in Latin America; correspondent of the Real Academia Española, Madrid.

President: CARLOS CUADRA PASOS.

Secretary: ADOLFO CALERO OROZCO.

Treasurer: FERNANDO BUITRAGO MORALES.

Librarian: EDUARDO CEPEDA HENRÍQUEZ.

MEMBERS:

FLORES LÓPEZ, SANTOS.
MANUEL CHAMORRO, DIEGO.
ALVAREZ LEJARZA, EMILIO.
CUADRA CARDENAL, PABLO ANTONIO.
ROMERO, RAMÓN.
VEGA BOLAÑOS, ANDRES.
MONTALVÁN, JOSÉ H.
BRAVO, CARLOS A.
YCAZA TIGERINO, JULIO.
BUITRAGO, EDGUARDO.
RODRÍGUEZ SERRANO, FELIPE.
SANSÓN TERÁN, JOSÉ.
PANIAGUA RIVAS, RAFAEL.
MEJÍA SÁNCHEZ, ERNESTO.
PEÑA HERNÁNDEZ, ENRIQUE.
LINARES, JULIO.
SCHICK GUTIÉRREZ, RENÉ (elected).
ALVAREZ MONTALVÁN, EMILIO (elected).
MENESES OCÓN, GONZALO (elected).

Academia de Geografía e Historia de Nicaragua: Managua; f. 1934; Pres. ROSENDO ARGÜELLO; Sec. MODESTO ARMIJO; publ. *Revista*.

Academia de la Historia de Granada: Granada.

Academia Nacional de Filosofía (*National Academy of Philosophy*): Managua; f. 1964.

President: EDUARDO ZEPEDA HENRÍQUEZ.

Vice-Presidents: JUAN M. NAVAS, DR. MARIO FLORES ORTIZ.

Secretary: CARLOS JIMÉNEZ CAJINA.

Treasurer: CONNIE VARGAS.

MEMBERS:

PABLO A. CUADRA.
RAFAEL GUTIÉRREZ.

Instituto Indigenista Nacional: Managua.

LIBRARIES

Archivo Nacional: 6a Calle No. 402, Apdo. 101, Managua; f. 1882; 40,356 vols.; Dir. LUIS CUADRA CEA.

Biblioteca Central del Universidad Nacional de Nicaragua: León; f. 1816; 12/15,000 vols.; Dir. Prof. WALTERIO LÓPEZ ADAROS

Biblioteca Centroamericana (*Central American Library*): Managua.

Biblioteca de la Casa del Obrero (*Working Men's Library*): Managua.

Biblioteca de la Guardia Nacional (*National Guards' Library*): Managua.

Biblioteca Económica y Financiera (*Economic and Financial Library*): Managua.

Biblioteca "Eduardo Montealegre": Chinandega.

Biblioteca "José Madriz": León.

Biblioteca Municipal: Nagarote, León.

Biblioteca Municipal: Bluefields, Zelaya.

Biblioteca Nacional: Calle del Triunfo No. 302, Apdo. 101, Managua; f. 1882; 70,000 vols.; Dir. CARLOS A. BRAVO.

Biblioteca "El Ateneo": Masaya; f. 1941; 35 mems.; Dir. Dr. SANTIAGO FAJARDO F.; publ. *Revista* (yearly).

Biblioteca "Morazan": Matagalpa.

Biblioteca "Rubén Darío": Calle Candelaria 308, Managua; f. 1942; 11,000 vols.

Biblioteca "Segovia": Ocotal, Nueva Segovia.

MUSEUMS

Museo Nacional de Nicaragua: 4a Avenida No. 606, Managua; f. 1896; archaeology, ceramics, zoology, botany and numismatics; Dir. CRISANTA CHÁVEZ GUERRERO.

Museo "Tenderi": Masaya.

UNIVERSITIES

UNIVERSIDAD NACIONAL DE NICARAGUA

LEÓN, NICARAGUA, C.A.

Telephone: 2612-2613.

Founded 1812.

The Universidad Nacional is the result of the union of the Universidad de Oriente y Mediodia with the Universidad de Occidente y Septentrión, these two universities having been respectively founded in 1804 and 1816.

Rector: CARLOS TÜNNERMANN BERNHEIM.

Vice-Rector: ERNESTO LÓPEZ RIVERA.

Secretary-General: DENIS MARTÍNEZ CABEZAS.

Librarian: WALTERIO LÓPEZ.

Number of professors (*titulares*): 260.

Number of students: 2,597.

DEANS:

Faculty of Medicine: EVENOR TABOADA M.

Faculty of Odontology: HÉCTOR VIJIL MENA.

Faculty of Arts: NÁSERE HABED LÓPEZ.

Faculty of Economics: ANTIOCO SACASA SARRIA.

Faculty of Juridicial and Social Sciences: EDGARDO BUITRAGO.

Faculty of Chemistry: RAFAEL SANDINO.

Faculty of Physics and Mathematics: Ing. CARLOS SANTOS B.

PROFESSORS:

Faculty of Medicine:

ALVAREZ DE QUINTANILLA, CLARISA, Physiology, Pharmacology
ALVAREZ RODRÍGUEZ, WILFREDO, Anatomy
ARAGÓN P., LORENZO, Biology, Bacteriology, Tropical Pathology
BERRÍOS D., CARLOS, Gynæcology
BLANDON, OSWALDO, Medical Practice
BUITRAGO H., ROBERTO, Ophthalmology
CAMPOS OCHOMOGO, JOSÉ T., Physiology
DELGADILLO C., ALCIDES, Dermatology and Venereal Diseases
ESPINOZA TERCERO, HERNÁN, Microbiology
FLORES RIVAS, MARÍA HAYDÉE, Social Anthropology
GIL SALINAS, ENRIQUE, Ophthalmology
GRANERA S., JAIME, Clinical Surgery
GUEVARA G., URIEL, Pathological Anatomy
GUTIÉRREZ, ABSALÓN, Medicine and Surgery, Operational Medicine
GUTIÉRREZ GAVARRETE, RAFAEL, Psychology
HERDOCIA L., FILIBERTO, Clinical Pediatrics
LANZAS M., BENJAMÍN, Surgery
MAGLIONE, OCTAVIO, Surgical Propædeutics
MARÍN R., ARIEL, Descriptive Anatomy
MARTÍNEZ M., ALBERTO, Biology, Pathological Medicine, Clinical Medicine
ORTEGA MAYORGA, FABRICIO, Medical Practice
PÉREZ MASIS, ROBERTO, Pharmacology
RAMÍREZ C., FRANCISCO, Oto-Rhino-Laryngology
RIVAS L., ALEJANDRO, Hygiene and Preventive Medicine, Pathology
RODRÍGUEZ ZELEDÓN, JAIME, Pædiatrics
ROQUE JIMÉNEZ, ADRIÁN, Organic Chemistry
SAAVEDRA BERRÍOS, DENIS, Medical Semeiology
SACASA S., ENRIQUE, Radiology
SALAMANCA, FABIO, Therapeutics
SALINAS A., EDUARDO, Parasitology
SALINAS ESQUIVEL, SALVADOR, Obstetrics
SOMARRIBA BARRETO, SERGIO, Clinical Hæmatology
TABOADA M., EVENOR, Histology and Embryology, Pathological Anatomy
TABOADA M., GONZALO, Pathological Surgery, Clinical Surgery
TIJERINO D., HUMBERTO, Physical Medicine, Clinical Medicine
URROZ LACAYO, CARLOS, Parasitology
VALLE RUIZ, DAYSI, Medical Practice

Faculty of Juridical and Social Sciences:

ALVAREZ ALVARADO, JESÚS, Social Law
AREAS R., GUILLERMO, Roman Law
ARMIJO LOZANO, MODESTO, Professional Ethics
BARRERA T., ERNESTO, Penal Law
BERRÍOS DELGADILLO, RÓGER, Private International Law
BUITRAGO B., EDGARDO, History of Culture, Economics
BUITRAGO M., NICOLÁS, International Private Law
BUITRAGO C., ROBERTO, Notarial Law
CHÁVEZ ESCOTO, SANTIAGO, Penal Law
CUADRA H., RUBÉN, Culture
DE SERRANO, GEOVANNA, Principles of Economics
FERNÁNDEZ MAYORGA, ALFREDO, Civil Law
FLORES RIVAS, MARÍA HAYDÉE, Agrarian Law
GRANERA P., RAMIRO, Penal Procedure
MARTÍNEZ CABEZAS, DENIS, Penal Law
MARTÍNEZ ORDÓÑEZ, OCTAVIO, Introduction to Law
ORTEGA A., RAFAEL, Civil Law, Mercantile Law
PALLAIS GODOY, JOSÉ, Civil Procedure
PLATA L., FRANCISCO, Sociology
RIZO OYANGUREN, ARMANDO, Administrative Law
ROMERO S., EDUARDO, Legal Medicine
SERRANO CALDERA, ALEJANDRO, Social Law
TÜNNERMANN BERNHEIM, CARLOS, Introduction to Law
ZELAYA R., HERNÁN, International Public Law

Faculty of Chemistry:

ALVARADO SARRIA, ENRIQUE, Principles of Chemistry
ARGÜELLO DUBÓN, NOEL, Parasitology
CASTELLÓN CASTELLÓN, ROBERTO, Pharmacy
CASTELLÓN SALGADO, ADOLFO, Organic Chemistry
DE SERRANO, GEOVANNA, Economics
GUERRERO LEJARZA, ENRIQUE, Pharmaceutical Technology
MORENO MENDOZA, LEONARDO, Galenic Pharmacy
PALLAIS G., DESIDERIO, Quantitative Analytical Chemistry
POVEDA POVEDA, BOANERGES, Galenic Pharmacy
RIVAS BARRETO, OSCAR, English
RUIZ ZAPATA, ERNESTO, Inorganic Chemistry
SANDINO RAMÍREZ, RAFAEL, Operative Pharmacy
VARGAS PÉREZ, EMILIO, Legal Medicine

Faculty of Odontology:

ARÁUZ GODOY, NÉSTOR, Children's Dentistry
ARGÜELLO DUBÓN, NOEL, Biological Chemistry
ARGÜELLO G., JAIME, Clinical Medicine
ARTOLA NAVARRETE, RENÉ, Radiology
CARBALLO VELÁSQUEZ, Surgery
CASTELLÓN BARRETE, SERGIO, Dental Anatomy
CORTÉS CORDERO, OSCAR, Orthodontics
DELGADO M., TERENCIO, General Pathology
ESCORCIA PASTRÁN, OTTO, Dental Materials
GRANERA PADILLA, OSCAR, Prosthesis
GUERRA CRUZ, ERNESTO, Dental Surgery
MACHADO S., JOSÉ, Children's Dentistry
MANCILLA CABAÑAS, LUIS A., Oral Pathology
OMEIR WEBSTER, HENNINGSTON, Oral Diagnostics
PLAZAOLA SOMARRIBA, BAYARDO, Periodontics
RAMÍREZ CASTILLO, FRANCISCO, Human Anatomy
SACASA S., ENRIQUE, Radiology and Physiotherapy
SÁNCHEZ A., MÁXIMO, Clinical Propadeutics
SALINAS ESQUIVAL, SALVADOR, Medical Therapeutics
SEQUEIRA MADRIZ, GUSTAVO, General Physiology
SOMOZA RODRÍGUEZ, MARCIO, Children's Dentistry
VIGIL MENA, HÉCTOR, Operational Dentistry

Faculty of Physics and Mathematics:

School of Civil Engineering:

ARAICA SALAS, RÓGER, Drawing
ARNOLD, JOHN, English
BONILLA LÓPEZ, ALFONSO E., English
BUSTOS, JOSÉ J., Calculus
CAMACHO, JAIME, Geology and Mineralogy
CENTENO S., FRANCISCO, Drawing
CISNEROS LEIVA, SOFONÍAS, Transport
CUADRA ARGÜELLO, PEDRO, Topography
CUADRA, GILBERTO, Soil Mechanics
D'ARCE VALLECILLO, EMILIO, Steel and Timber
DE LA ROCHA, MIGUEL, Fluid Mechanics
DEL CARMEN, ALEJANDRO, Architecture
FIALLOS, RODOLFO E., Legislation and Contracts
GAVARRETE CUADRA, RAMÓN, Structures
GUERRERO, ALFREDO, Dams
GUERRERO OBANDO, MANUEL, Physics
GUEVARA GÓMEZ, HUMBERTO, Chemistry
GÓMEZ CASCO, GUSTAVO, Industrial Processes
GONZALO ROJAS, Chemistry
GRAF, HENNING, German
HANSEN A., FRANCISCO, Geodesy
HAYN VOGL, JORGE, Higher Algebra
ICABALCETA M., JAIME, Analytical Geometry
JUNCADELLA, SANTIAGO, Physical Culture
LECLAIR LUGO, RAUL, Transport
LÓPEZ BERRÍOS, CARLOS, Soil Mechanics

LÓPEZ SOLÓRZANO, SALVADOR, Town Planning
NARVÁEZ MOREÍRA, CÁRLOS, Economics
NOFFAL ZEPEDA, GUILLERMO, Elasticity and Plasticity
PASTORA M., IVÁN, Higher Algebra
ROBELO PASCUA, ARNOLDO, Costs and Estimates
RODRÍGUEZ ALANIZ, JOSE A., Water Supply and Treatment
RUGAMA NUÑEZ, CRISTÓBAL, Astronomy and Geodesy
RUIZ UBEDA, TRINIDAD, Building
SAAVEDRA LÓPEZ, FRANCISCO, Topography
URROZ MANFUT, ORLANDO, Railways
VALLECILLO ARAUZ, GONZALO, Lineal and Natural Drawing
ZELAYA BLANCO, ROBERTO

School of Architecture:
BONILLA LÓPEZ, ALFONSO E., English
CUADRA ROBLETO, JOSÉ, Plastic Design
DÁVILA BOZA, RENÉ, History of Culture
DÍAZ ESCALÓN, RAFAEL, Physical Culture
GUTIÉRREZ GUTIÉRREZ, ERNESTO, History of Architecture
LEÓN YORK, CARLOS, Drawing
PIERSON, MAURICIO, Drawing
SAAVEDRA LÓPEZ, FRANCISCO, Topography
SANDOVAL, ARMANDO, Drawing
SANSÓN ARGÜELLO, ROBERTO, Building
SOLÓRZANO MARTÍNEZ, RICARDO, Physics
TERCERO, JOSÉ, Design
TORRES MOLINA, HUMBERTO, Design
URROZ MANFUT, ORLANDO, Descriptive Geometry
VALLECILLO ARÁUZ, GONAZLO, Analytical Geometry
WETTSTEIN REYES, HUGO, Plastic Design
ZÚÑIGA, PEDRO, Design

School of Topography:
ARAICA SALAS, RÓGER, Line Drawing
BONILLA LÓPEZ, ALFONSO E., Geography
HANSEN ALBITE, FRANCISCO, Mathematics
GUTIÉRREZ HERRERA, ROGER, Basic Topography
PORTA C., HUMBERTO, Physics
RUGAMA NÚÑEZ, CRISTÓBAL, Basic Topography

Faculty of Economics:
ALANIZ OROZCO, JORGE, Banking
ARGÜELLO RAMÍREZ, LEONEL, Social Law
CASTELLÓN, RAÚL, Economic Development
CASTILLO, JUAN R., Markets
CONRADO GÓMEZ, EDUARDO, Sociology
CUADRA SEVILLA, MANUEL, Accountancy
DÁVILA BOZA, RENÉ, History of Culture
GÓMEZ GUERRERO, Banking
IGLESIAS, EDUARDO, Economic History
INCER BARQUELO, ROBERTO, Economic Theory
JARGUÍN SANDOVAL, HERNALDO, Principles of Economics
LARGAESPADA, FRANCISCO, Accountancy
LUNA MORÁN, RODOLFO, Economics
MCFIELD, R. DAVID, Spanish
MARTÍNEZ A., RICARDO, Sales Administration
MATA GUEVARA, GILBERTO, Mathematics
MIRANDA CORTÉS, JULIO, Sociology
MONTALVÁN P., ARIEL, Introduction to Law
NOVOA C., SERGIO, Administration
OCHOMOGO GUTIÉRREZ, RAFAEL, Accountancy
PASQUIER, ARNALDO, International Economics
PASQUIER A., ROBERTO, National Revenue
QUANT W., ERNESTO, Economic Theory
QUANT TAY, ANGEL, Business Management
RAMÍREZ DE ARELLANO, JULIO, Financial Mathematics
RIVERA M., ANÍBAL, Financial Analysis
ROBLETO MARCENARO, FERNANDO, Mathematics
RODRÍGUEZ, JUAN F., Statistics
ROMERO ALONSO, RAMON, Personnel Administration
SALGADO CRUZ, RAMÓN, Cost Accounting
SOMARRIBA M., HORACIO, Monetary Policy
ZELAYA BLANCO, ROBERTO, Statistics

Faculty of Arts:
School of Sciences of Education:
Managua Section: 41 teachers.
Jinotepe Section: 21 teachers.
School of Journalism: 20 teachers.
School of Social Service: 12 teachers.

UNIVERSIDAD CENTROAMERICANA
(Sección de Nicaragua)

APARTADO 69, MANAGUA
Telephone: 7-14-52 and 7-19-56
Founded 1961.

President: Dr. LEÓN PALLAIS, S.J.
Registrar: Lic. MANUEL OTANO, S.J.
Librarian: Prof. EDUARDO ZEPEDA ENRÍQUEZ.

Number of teachers: 67.
Number of students (1964-65): 735.
Publication: *Boletin General de la Universidad.*

DEANS:
Faculty of Engineering: Ing. ROBERTO LACAYO FIALLOS.
Faculty of Law: Dr. FELIPE RODRÍGUEZ SERRANO.
Faculty of Business Administration: Dr. DUILIO BALTODANO.

COLLEGE

Escuela Nacional de Agricultura y Ganadería: Kilómetro 12, La Calera, Managua.

NIGERIA

Population 55,670,052

LEARNED SOCIETIES

British Council, The: Headquarters: P.M.B. 1023, 227 Herbert Macaulay Street, Yaba; Rep F. H. CAWSON, O.B.E.; Eastern Nigeria: P.O. Box 330, Enugu and P.O. Box 202, Port Harcourt; Northern Nigeria: P.O. Box 81, Kaduna and British Council Centre, Kano; Western Nigeria: P.M.B. 5103, Ibadan.

German Cultural Institute: 174 Broad Street, P.O.B. 957, Lagos; f. 1961; Dir. F. NAGEL.

Historical Society of Nigeria: Arts Building, Ahmadu Bello University, Zaria; f. 1955 to encourage interest and work in connection with the study of history, especially Nigerian history; Pres. K. O. DIKE; Sec. H. F. C. SMITH; publs. *Journal* and *Bulletin of News*.

Istituto Italiano di Cultura: 77 Brickfield Road, Lagos; Dir. Prof. UMBERTO COMI.

Nigerian Bar Association: Ibadan; f. 1962; Pres. Chief ROTIMI WILLIAMS.

Nigerian Institute of International Affairs: 9 Awolowo Road, G.P.O. Box 1727, Lagos; f. 1963; to provide a non-political forum for the study of international affairs; Dir.-Gen. Dr. L. A. FABUNMI; Librarian Miss M. SEELYE.

Nigerian Library Association: c/o Eastern Nigerian Library Board, Enugu; f. 1962; Pres. KALU OKORIE, M.B.E., F.L.A.; Hon. Sec./Treas. O. ARAMIDE, F.L.A.; publ. *Nigerian Libraries*.

Science Association of Nigeria: f. 1958; Hon. Sec. Dr. C. I. O. OLANIYAN, University of Lagos, Lagos; publ. *Nigerian Journal of Science*.

U.S. Information Centers: No. 1 Ogui Road, Enugu; Oyo Road, Mokola Roundabout, Ibadan; No. 5 Prince Edward's Way, Kaduna; P.M.B. 3059, Kano; 41 Broad Street, Lagos.

RESEARCH INSTITUTES

Federal

Agronomic Research Station: Umudike, Eastern Nigeria.

Agronomic Research Division: M.A.N.R., Moor Plantation, Ibadan, Western Nigeria.

Federal Department of Agricultural Research: Moor Plantation, Ibadan; f. 1910; research on soils and crop nutrition, improvement of food crops and control of plant diseases and pests; library of 2,600 vols., 150 current periodicals; Dir. G. E. O. OKIY, B.SC.; publs. *Annual Report, Quarterly Research Bulletin, Memoranda, Index of Research*.

Federal Institute of Industrial Research: P.M.B. 1023, Ikeja Airport; f. 1956; to accelerate and encourage industrial development, especially of agricultural products; Dir. W. N. WILLIAMS.

Federal Department of Veterinary Research: Vom, Northern Nigeria; Dir. A. L. C. THORNE, M.R.C.V.S.

Federal Fisheries Service: P.M.B. 12529, Lagos.

Federal Department of Forest Research: P.M.B. 5054, Ibadan; Dir. C. F. A. ONOCHIE, B.SC., F.L.S.; Deputy Dir. A. M. OSENI, M.A., B.SC.

Agricultural Research Institute, Ahmadu Bello University: P.M.B. 1044, Samaru, Zaria. Northern Nigeria; Dir. and Prof. of Plant Science H. S. DARLING, B.SC., M.AGR., PH.D.; research staff of 55 covering agronomy, plant-breeding, plant pathology, cotton, entomology, crop physiology, animal nutrition, pastures, soil science, soil survey and agricultural engineering and economics; library of 7,570 vols., 488 current periodicals; publs. *Samaru Research Bulletins, Samaru Agricultural News Letter* (monthly), *Samaru Miscellaneous Papers, Soil Survey Bulletins*, Annual Reports.

Nigerian Institute of Social and Economic Research: University of Ibadan, Ibadan; f. 1957; conducts and assists social and economic research.

West African Institute for Trypanosomiasis Research: stations at Vom and Kaduna; f. 1951 to undertake research into human and animal trypanosomiasis; Acting Dir. T. M. LEACH.

West African Institute for Oil Palm Research: Headquarters: P.M.B. 1030, Benin City; substation in Annang Province; responsible for research in oil palm production and for recommending improved methods; Acting Dir. S. C. NWANZE.

LIBRARIES

Eastern Nigeria Library Board: Private Mail Bag, Enugu, Nigeria; the Board was established in 1955 to establish, equip, manage and maintain libraries in the Eastern Nigeria; Dir. of Library Services K. C. OKORIE, M.B.E., F.L.A.

Regional Central Library: Ogui Road, Enugu; f. 1956; permanent premises opened in 1959; lending and reference library activities; legal deposit and regional centre for bibliographical information and research; the book-stock consists of 105,000 volumes, Nigeriana collection, and a mobile library unit; the library was part of a UNESCO pilot project. The Board now has three Divisional Libraries in operation at Port Harcourt, Ikot Ekpene and Umuahia-Ibeku; a fourth library to be in operation in 1966, is being planned at Onitsha and a fifth at Abakaliki; publs. *Annual Report, The Library Record*.

National Archives: Chapel Road, University of Ibadan, Ibadan; f. 1951 as Nigerian Federal Government Public Record Office; Principal Archivist L. C. GWAM, B.A.; Regional offices at Enugu and Kaduna.

National Library of Nigeria: 4 Wesley Street, P.M.B. 12626, Lagos; f. 1962; 20,000 vols.; Librarian A. PRISCILLA TAYLOR, B.A.

North Regional Library: Kaduna; f. 1953; 80,000 vols.; Senior Librarian SAIYID ABDUL MOID; publs. *Annual Report, School Book Lists, Nigerian List of Holdings*.

Public Library: Lagos; 17,500 vols; Librarian Mrs. E. E. OKU.

University of Lagos Library: University of Lagos, Yaba, Lagos; f. 1962; 30,000 vols., 1,000 periodicals; Librarian Miss ELIZABETH M. MOYS, B.A., A.L.A.; publs. *Annual Report, Unilag: Quarterly News Bulletin, Reader's Guide*.

University Library: Ibadan; 190,000 vols., 3,000 periodicals; Librarian and Dir. of Institute of Librarianship W. J. HARRIS, B.A., F.N.Z.L.A.

University of Nigeria Library: Nsukka: f. 1960; capacity 472,000 vols.; Librarian S. C. NWOYE, B.A., DIP.LIB., A.L.A.

Western Regional Library: Ibadan; 60,000 vols.; Librarian R. A. Areje.

MUSEUMS

The museums controlled by the Federal Department of Antiquities (headquarters at Jos) are as follows:

Benin Museum: Benin; Mid-Western Region; Benin antiquities, bronzes.

Jos Museum: Jos, Plateau Province; f. 1952; ethnography and archaeology of Nigeria; terracotta and soapstone Nok figurines; zoological and botanical gardens.

National Museum: Onikan Road, Lagos; f. 1957; ethnography, archæology and traditional art; Curator S. O. Okeke.

Ife Museum: Ife; f. 1954; bronze, terracotta and stone antiquities of Ife; Archæologist Frank Willett, M.A.

Oron Museum: Oron; f. 1959; ancestral carvings of the Oron area.

Gidan Makama Museum: Kano; f. 1959; local art work.

UNIVERSITIES

AHMADU BELLO UNIVERSITY

ZARIA, NORTHERN NIGERIA

Telephone: Zaria 03255.

Founded 1962.

Chancellor: Alhaji Sir Ahmadu Bello, K.B.E., HON. LL.D., Sardauna of Sokoto, Premier of Northern Nigeria.

Vice-Chancellor: N. S. Alexander, C.B.E., M.SC., PH.D., D.S.C.

Registrar: M. Dowuona, M.B.E., M.A.

Librarian: F. W. Plumbe, F.L.A.

Number of teachers: 106.

Number of students: 588.

DEANS:

Faculty of Arts: Prof. H. A. Moisley.

Faculty of Science: Prof. F. W. Sansome.

Faculty of Engineering: Prof. E. P. Bernat.

Faculty of Architecture: Prof. D. H. Matthews.

Faculty of Agriculture: Prof. H. S. Darling.

Faculty of Arabic and Islamic Studies (*see* Abdullahi Bayero College): Prof. A. El Tayib.

Faculty of Law: Prof. A. Milner.

Faculty of Veterinary Science: appointed by University of Ibadan.

PROFESSORS:

Argent, C. P. A., Fine Arts
Bernat, E. P., Mechanical Engineering
Darling, H. S., Agriculture
Harris, D. J., Electrical Engineering
Hofsommer, D. J., Mathematics
Jones, R. A., French
Joselin, A. G., Education
Mathieson, A. R., Chemistry
Matthews, D. H., Architecture
Mead, A. P., Zoology
Milner, A., Law
Moisley, H. A., Geography
Naylor, A. H., Civil Engineering
Sansome, F. W., Botany
Skinner, N. J., Physics
Smith, H. F. C., History
Tayib, A. El, Arabic and Islamic Studies

ATTACHED INSTITUTES:

Institute of Administration: Zaria.
Director: S. S. Richardson, O.B.E., M.A.
Administrative Secretary: J. R. N. Marshall, M.A.

Institute for Agricultural Research and Special Services: Private Bag 1044, Samaru, Zaria, Northern Nigeria.
Director: Prof. H. S. Darling, B.SC., M.AGRIC., PH.D.
Secretary: R. E. Wyatt, B.SC.

ATTACHED COLLEGE:

Abdullahi Bayero College (*Faculty of Arabic and Islamic Studies*): Private Mail Bag 3011, Kano.
Provost: Prof. A. El Tayib, PH.D.

UNIVERSITY OF IBADAN

IBADAN

Telephone: Ibadan 21051.

Founded 1962. Previously established as University College 1948.

Chancellor: Alhaji Sir Abubakar Tafawa Balewa, K.B.E., HON. LL.D.

Pro-Chancellor and Chairman of Council: Sir Louis Mbanefo, M.A., LL.B.

Vice-Chancellor: K. O. Dike, M.A., PH.D., HON. LL.D., HON. D.LITT., HON. D.SC.

Registrar: N. K. Adamolekun, B.A.

Librarian: W. J. Harris, B.A., F.N.Z.L.A.

Library: 190,000 volumes.

Number of teaching staff: 308, including 47 professors.

Number of students: 2,036 men, 248 women, total 2,284.

Publications: *Calendar, Annual Report, Research Bulletin of the Centre for Arabic Documentation* (bi-annual), *The Gazette* (bi-monthly).

DEANS:

Faculty of Arts: J. F. A. Ajayi, PH.D.

Faculty of Science: C. A. Onwumechilli, PH.D.

Faculty of Medicine: J. C. Edozien, M.SC., M.D., F.R.C.P.ED., HON. D.SC.

Faculty of Agriculture: H. A. Oluwasanmi, B.A., M.A., PH.D.

Faculty of Social Sciences: D. Bodenhorn, M.A., PH.D.

Faculty of Education and Extra-Mural Studies: A. Ogunsheye, M.A.

PROFESSORS:

Faculty of Arts:
Ajayi, J. F. A., PH.D., History
Anene, J. C., M.A., PH.D., DIP.ED., History
Barbour, K. M., B.LITT., M.A., Geography
Ferguson, J., M.A., B.D., F.I.A.L., Classics
Idowu, E. B., B.D., PH.D., Religious Studies
Maxwell, D. E. S., PH.D., English
Ryder, A. F. C., M.A., D.PHIL., History
(Vacant—Arabic and Islamic Studies, English, Linguistics and Nigerian Languages, Modern Languages)

Faculty of Science:
Bevan, C. W. L., PH.D., F.R.I.C., Chemistry
Bolwig, N., M.SC., D.SC., Zoology
Burke, K. C. A., PH.D., Geology
Collard, K., M.A., M.SC., PH.D., Mathematics
Ezeilo, J. O. C., M.SC., PH.D., Mathematics
Hirst, J., PH.D., Chemistry
Irvine, D. H., PH.D., Chemistry
Lyon, A. J., M.A., PH.D., Physics
Olubummo, A., M.A., PH.D., Mathematics
Onwumechilli, C. A., PH.D., Physics
Taylor, D. A. H., M.A., D.PHIL., Chemistry
(Vacant—Botany, Geology)

Faculty of Medicine:
Bassir, O., B.SC., PH.D., F.R.I.C., M.I.NUC.ENG., Biochemistry
Brown, A., C.B.E., M.B., CH.B., F.R.C.P.ED., M.R.C.P., Medicine
Cockshott, W. P., M.D., CH.B., M.R.C.P., D.M.R.D., Radiology
Edington, G. M., M.B.E., M.D., F.C.PATH., M.R.C.P., D.C.P., D.T.M. & H., Pathology
Edozien, J. C., B.SC., M.SC., M.D., F.R.C.P.ED., Chemical Pathology
Grayson, J., M.SC., M.D., Physiology
Harper, W. F., B.SC., PH.D., CH.B., M.D., F.R.S.ED., Anatomy
Hendrickse, R. G., M.D., F.R.C.P.ED., Pædiatrics
Howard, A. T., M.A., Nursing
James, D. M., M.PHARM., PH.D., Pharmacology
Kinnear, T. W. G., M.B., CH.B., M.R.C.P., F.R.C.P.ED., Medicine
Kodilinye, H. C., M.B., CH.B., D.O., D.O.M.S., Ophthalmology
Lambo, T. A., O.B.E., M.D., F.R.C.P.ED., D.P.M., Psychiatry
Lawson, J. B., M.A., M.B., B.CHIR., F.R.C.O.G., Obstetrics and Gynæcology
Ogunlesi, T. O., L.M.S., L.R.C.P., M.R.C.S., M.R.C.P., F.R.F.P.ED., Medicine
Onuaguluchi, G. O., L.M.S., B.SC., L.R.C.P., M.R.C.S., M.R.C.P.ED., F.R.F.P.S., PH.D., Pharmacology
Pulvertaft, R. J. V., O.B.E., M.D., F.C.PATH., F.R.C.P., Preventive and Social Medicine
(Vacant—Bacteriology, Neurology, Preventive and Social Medicine, Surgery)

Faculty of Forestry and Veterinary Science:
Bowden, J., M.SC., Agricultural Biology
Hill, D. G., D.V.M., M.R.C.V.S., Veterinary Medicine
Modebe, A. N. A., M.AGR.SC., PH.D., Agriculture
Oyenuga, V. A., PH.D., F.R.I.C., Agricultural Chemistry

OLUWASANMI, H. A., M.D., PH.D., Agricultural Economics
(Vacant—Veterinary Anatomy and Physiology)

Faculty of Social Sciences:
BODENHORN, D., M.A., PH.D., Economics
ESSIEN-UDOM, E. U., M.A., PH.D., Political Science
HIMMELSTRAND, J. U. I., Filosofie Licentiat, Filosofie Doktor, Sociology

Faculty of Education and Extra-Mural Studies:
BROWN, G. N., M.A., D.PHIL., Education
TAYLOR, A., M.A., DIP.ED., Education

School of Drama: f. 1964.

Institute of Librarianship: f. 1960; primarily postgraduate courses to serve West African area.

Institute of African Studies: f. 1962.

UNIVERSITY OF IFE

IBADAN BRANCH, IBADAN

(*Main buildings to be erected at Ife*)

Telephone: 22261.

Founded 1961.

Chancellor: Chief S. L. AKINTOLA, President of Western Nigeria.
Vice-Chancellor: Prof. A. A. AJOSE.
Pro-Vice-Chancellor: Dr. S. O. BIOBAKU, C.M.G., M.A., PH.D.
Registrar: T. O. SHOTUNDE, B.SC. (acting).
Librarian: R. S. BURKETT, M.A.

Number of teachers: 118.
Number of students: 658.

Publications: *Calendar*, *Gazette*, (quarterly), *Prospectuses*, *The Bronze*, *Odu* (A Journal of African Studies), *The African Historian*.

DEANS:

Faculty of Agriculture: G. A. IGE, B.SC.(AGRIC.).
Faculty of Arts: Dr. H. I. DAVIES, PH.D.
Faculty of Law: Prof. O. R. MARSHALL, M.A., PH.D.
Faculty of Science: D. F. OJO, PH.D.

PROFESSORS:

OJO, D. F., PH.D., Physics
POLUNIN, N., M.A., D.PHIL., D.SC., M.S., Botany
SYME, A. C., PH.D., Chemistry
ROBINSON, R. O., M.A., PH.D., Mathematics
MARSHALL, O. R., M.A., PH.D., Law

UNIVERSITY OF LAGOS

LAGOS

Telephone: 45762.

Founded 1962.

Chairman of the Provincial Council: Dr. E. N. O. SODEINDE.
Vice-Chancellor: Dr. S. BIOBAKU.
Registrar: Chief A. Y. EKE.
Librarian: Miss E. M. MOYS.

Number of teachers (1964–65): 106.
Number of students (1964–65): 264.
Publications: *Gazette*, *Calendar*.

DEANS:

Faculty of Business and Social Studies: (Vacant).
Faculty of Law: (Vacant).
Faculty of Engineering: (Vacant).
Faculty of Arts: (Vacant).
Faculty of Science: Prof. G. K. BERRIE.

PROFESSORS:

BERRIE, C. K., Biology
DINMAN, R., Accounting
DUNN, T. A., English
EZEILO, J. O. C., Mathematics
McMURRY, T. B. H., Chemistry
NJOKU, ENI, Botany
SCHUSTER, L. H., Business Administration
SHAFFER, C. L., Human Resources

University of Lagos Medical School

P.M.B. 12003, Lagos

Telephone: 45451.

Founded 1962.

Chairman of the Council and Dean: H. O. THOMAS, C.B.E., M.B., CH.B., F.R.C.S.
Vice-Dean: F. O. DOSEKUN, M.A., M.D., F.L.S.
Registrar: E. A. MACIVER SLOWE, B.A.
Librarian: S. O. FALAYI, A.L.A.

Number of students: 83.

PROFESSORS:

COLLIS, W. R. F., M.A., M.D., B.CHIR., F.R.C.P., Pædiatrics
DOSEKUN, F. O., M.A., M.D., L.F.S., Physiological Sciences
FLEMING, SHIRLEY A., B.A., M.D., F.F.A.R.C.S., Anæsthesia
HAINES, R., M.B., B.S., D.SC., Morphological Sciences
MOHIUDDIN, A., M.B., B.S., PH.D., Morphological Sciences
MONEKOSSO, G. L., M.D., M.R.C.P., Medicine
NICHOLSON, T. F., M.B., B.SC., PH.D., Pathology and Microbiology
THOMAS, H. O., C.B.E., M.B., CH.B., F.C.S.R., Surgery
THOMPSON, E. W. L., M.B., F.R.C.S.I., F.R.C.P.I., F.R.C.O.G., Obstetrics and Gynæcology
WRIGHT, R. D., M.A., M.D., M.P.H., Community Health

UNIVERSITY OF NIGERIA

NSUKKA, EASTERN NIGERIA

Telephone: Nsukka 48, 49, 50, 51, 52, 53.

Telegraphic Address: Nigersity, Nsukka.

Founded 1960.

Chancellor: Dr. N. AZIKIWE, M.A., M.SC., LL.D., D.LITT., President of the Federal Republic of Nigeria.
Vice-Chancellor: G. L. TAGGART, B.SC., PH.D.
Registrar: V. C. IKE, B.A. (LOND.).
Librarian: S. C. NWOYE, B.A., DIP.LIB. (LOND.), A.L.A. (U.K.).

Number of teachers (1964–65): 275.
Number of students: (1964–65): 2,499.

Publications: *University of Nigeria*, *University Calendar*.

DEANS:

Faculty of Agriculture: K. PAYNE, B.SC., PH.D.
Faculty of Arts: M. ACHUFUSI, PH.D.
Faculty of Business Administration: P. K. SIRCAR, M.SC., PH.D. (acting).
Faculty of Education: A. B. FAFUNWA, M.A., PH.D.
Faculty of Engineering: J. A. VELTROP, M.M.E., SC.D.
Faculty of Law: G. H. HANBURY, Q.C., D.C.I.
Faculty of Science: L. C. FERGUSON, D.V.M., M.S., PH.D.
Faculty of Social Studies: P. K. SIRCAR, M.SC., PH.D.

PROFESSORS:

ACHUFUSI, M., DIPL.HIST., PH.D., History
ALBADA, P. J. VAN., PH.D., Mathematics
BLYDEN, E. W., M.A., M.ED., PH.D., African Studies
BRANCKER, A. V., M.SC., PH.D., Physics
CHAUDHURI, P. C., M.SC., PH.D., Mathematics
EICHER, C., M.SC., PH.D., Economic Development Institute
FAFUNWA, A. B., M.A., PH.D., Education
FERGUSON, V. D. M., M.S., PH.D., Microbiology and Entomology
FORE, R. E., PH.D., Plant Soil Science
FROST, C. F., M.A., PH.D., Psychology
KNIGHT, R. C., M.A., D. ÈS L., PH.D., Languages
LAWSON, E. C., M.M.E., Mechanical Engineering
MOORE, D. V. M., M.SC., Veterinary Science
NANJUDIAH, H. N., M.S., PH.D., Economic Development Institute
PAYNE, K. T., M.SC., PH.D., Agricultural Economics
SIRCAR, P. K., M.SC., PH.D., Geography
VELTROP, J. A., M.M.E., SC.D., Civil Engineering
ZERBY, B. S., M.A., PH.D., Philosophy

COLLEGES

School of Agriculture: Akure, Western Nigeria; f. 1957; Pres. T. J. ORUWARI.

School of Agriculture: Moor Plantation, Ibadan; f. 1921; Principal F. A. TERIBA; 122 students.

School of Dental Hygiene: Lagos.

School of Forestry: Ibadan; Acting Principal D. M. WARD, B.SC. (Research Officer).

School of Dispensing Assistants Federal Pharmaceutical Manufacturing Laboratory: P.O. Box 456, Lagos.

COLLEGE OF TECHNOLOGY

YABA, LAGOS, NIGERIA

Founded 1948.

Principal: F. C. N. AGBASI, B.SC., A.M.I.C.E. (acting).
Vice-Principal: N. ABELES, B.SC., A.R.C.S.T., A.M.I.MECH.E.
Librarian: U. E. KALU, A.L.A.

The library contains 6,000 volumes.
Number of teaching staff: full-time 57, part-time 95, total 152.
Number of students: 606 full-time students, 1,169 part-time students, 700 residential places.

NORWAY

Population 3,681,000

ACADEMY

Norske Videnskaps-Akademi i Oslo (*The Norwegian Academy of Science and Letters in Oslo*): Drammensveien 78, Oslo; f. 1857; publs. *Skrifter, Avhandlinger, Årbok, Geofysiske Publikasjoner, Astrophysica Norvegica, Physica Norvegica, Hvalraaddets shrifter.*

Hon. President: H.M. THE KING.
President: Prof. Dr. C. S. STANG.
Vice-President: Prof. Dr. G. WAALER.
Secretary-General: Prof. Dr. P. SVENDSEN.

MEMBERS:

Honorary Members:
H.M. KING GUSTAV VI ADOLF.
CHRISTENSEN, LARS.
ERIKSEN, BJARNE.
JAHRE, ANDERS.

Mathematics and Natural Sciences:
AALVIK, GUNNAR (Botany).
AASER, CARL S. (Veterinary Medicine).
AUBERT, KARL EGIL (Mathematics).
BACHE-WIIG, JENS (Engineering).
BACKER-GRØNDAHL, NILS (Medicine).
BARTH, TOM (Mineralogy and Geology).
BASTIANSEN, OTTO (Chemistry).
BERGE, SAMSON (Agriculture).
BERGERSEN, BIRGER (Zoology).
BERNER, ENDRE Q. (Chemistry).
BRAARUD, TRYGVE (Botany).
BRATTSTROÖM, HANS (Zoology).
BREIREM, KNUT (Agriculture).
BRINKMANN, AUGUST (Zoology).
BROCH, EINAR (Physics).
BROCH, HJALMAR (Zoology).
BRODAL, ALF (Medicine).
BRUN, VIGGO (Mathematics).
BUGGE, CARL (Geology).
CHRISTOPHERSEN, ERLING (Botany).
DAHL, EILIF (Botany).
DAHL, ODD (Engineering).
DALE, TORLEIF (Medicine).
DANBOLT, NIELS (Medicine).
DEVIK, OLAF M. (Physics).
DYBING, OTTAR (Veterinary Science).
EEG-LARSEN, NICOLAY (Medicine).
EFSKIND, LEIF (Medicine).
EGER, C. W. (Engineering).
EIDE, ERLING (Agriculture).
ELDJARN, LORENTZ (Medicine).
ELIASSEN, ARNT (Geophysics).
ELIASSEN, EINAR (Zoology).
FÆGRI, KNUT (Botany).
FJELDSTAD, JONAS EKMAN (Physics).
FJØRTOFT, RAGNAR (Meteorology).
FLOOD, HAAKON (Chemistry).
FOSS, OLAV (Chemistry).
FØLLING, ASBJØRN (Medicine).
FØYN, BJØRN (Zoology).
FRIMANN-DAHL, JOHAN (Medicine).
FURBERG, SVEN (Chemistry).
GAARDER, TORBJØRN (Chemistry).
GJÆREVOLL, OLAV (Botany).
GLEDITSCH, ELLEN (Chemistry).
GODSKE, C. L. (Geophysics).
GRINI, O. (Veterinary Medicine).
GRØNNINGSAETER, ANTON (Engineering).
HAGEM, OSCAR M. (Botany).
HAGEN, YNGVAR (Zoology).
HARALDSEN, HAAKON (Chemistry).
HARANG, LEIV (Geophysics).
HASSEL, ODD (Physics and Chemistry).
HAUGE T. DANNEVIG (Engineering).
HEIMBECK, JOHANNES (Medicine).
HEINTZ, ANATOL (Geology).
HENNINGSMOEN, GUNNAR (Mineralogy and Geology).
HESSELBERG, H. THEODOR (Meteorology).
HOLGERSEN, HOLGER (Zoology).
HOLMSEN, GUNNAR (Geology).
HOLTEDAHL, OLAF (Geology).
HOLTSMARK, JOHAN P. (Physics).
HØEG, OVE ARBO (Botany).
HØILAND, EINAR (Physics).
HYGEN, GEORG (Botany).
HYLLERAAS, EGIL A. (Physics).
IHLEN, ALF (Engineering).
INGEBRIGTSEN, RAGNVALD (Medicine).
ISACHSEN, FRIDTJOV (Geography).
JANSEN, JAN (Medicine).
JENSEN, EBERHART, (Astronomy).
JOHANSSON, ARNE SEMB (Zoology).
JOHANSSON, INGEBRIGT (Mathematics).
JOHNSEN, HENRY (Engineering).
JØRSTAD, IVAR (Botany).
KAADA, BIRGER (Medicine).
KOLDERUP, NIELS-HENR. (Geology).
KREYBERG, LEIV (Medicine).
KVALE, ANDERS (Geology).
KVIFTE, GOTFRED (Geophysics).
LÅG, JUL (Agriculture).
LALAND, PER (Pharmacy).
LALAND, SØREN (Chemistry).
LANGFELDT, EINAR (Medicine).
LANGFELDT, GABRIEL (Medicine).
LANGSÆTER, ALF (Agriculture).
LARSEN, GERHARD (Medicine).
LEA, EINAR (Fisheries).
LEEGAARD, FREDRIK (Medicine).
LID, JOHANNES (Botany).
LJUNGGREN, WILHELM (Mathematics).
LUNDEN, AKSEL P. (Agriculture).
LYCHE, RALPH TAMBS (Mathematics).
MALLING, BIRGER (Medicine).
MOHR, OTTO L. (Medicine).
MORK, ELIAS (Agriculture).
MOSBY, HAAKON (Oceanography).
MÜLLER, CARL (Medicine).
NATVIG, LEIF (Zoology).
NEUMANN, HENRICH (Mineralogy).
NICOLAYSEN, RAGNAR (Medicine).
NORDAL, ARNOLD (Chemistry).
NORDHAGENJ, ROLF (Botany).
OFTEDAL, IVAR (Geology).
OLSTAD, OLA (Zoology).
OMHOLT, ANDERS (Physics).
OPHEIM, ODD (Medicine).
ORE, AADNE (Physics).
ORVIN, ANDERS (Geology).
OUREN, TORE (Geography).
OWE, AAGE (Engineering).
OWREN, PAUL (Medicine).
PALM, ENOK (Geophysics).
PAPPAS, ALEXIS (Chemistry).
PEDERSEN, SVERRE (Architecture).
POULSSON, LEIF (Medicine).
PRINTZ, K. HENRIK O. (Botany).
RAEDER, M. G. (Chemistry).
RANDERS, GUNNAR (Astronomy).
REFSUM, SIGVALD (Medicine).
REICHBORN-KJENNERUD, J. (Medicine).

Robak, Haakon (Botany).
Rosenqvist, Ivan (Geology).
Rosseland, Svein (Astronomy).
Ruud, Johan T. (Zoology).
Salomonsen, Leif (Medicine).
Salvesen, Harald (Medicine).
Samdahl, Bjarne (Pharmacy)
Schjelderup, Gunnar (Engineering).
Schjøtt-Rivers, Ernst (Medicine).
Selberg, Atle (Mathematics).
Selberg, Henrik (Mathematics).
Selberg, Sigmund (Mathematics).
Selmer, Ernst S. (Mathematics).
Sem, M. Øvrom (Engineering).
Semb, Carl (Medicine).
Sivertsen, Erling (Zoology).
Solberg, Halvor S. (Meteorology).
Sømme, Axel (Geography).
Sørensen, N. A. (Chemistry).
Sørensen, Sven Oluf (Physics).
Strand, Trygve (Geology).
Strøm, Kaare (Limnology).
Størmer, Leif (Geology).
Stubban, John Olav (Mathematics).
Sund, Tore (Geography).
Sunde, Anton (Medicine).
Tangen, Roald (Physics).
Thomassen, Thore Lie (Medicine).
Torgersen, Johan (Medicine).
Trumpy, Bjørn (Physics).
Tuff, Per (Veterinary Science).
Ubisch, Leopold von (Zoology).
Ustvedt, Hans Jacob (Medicine).
Vik, Knut (Botany).
Vogt, Fredrik (Engineering).
Vogelsang, Th. M. (Medicine).
Waaler, Erik (Medicine).
Waaler, Georg (Medicine).
Walaas, Otto (Medicine).
Wergeland, Harald (Physics).
Westin, Sverre (Physics).
Wexelsen, Haakon (Agriculture).
Ødegård, Ørnulv (Medicine).
Ødelien, Mikkel (Agriculture).

Historical and Philosophical Sciences:

Aall, Lily Weiser (Folklore).
Amundsen, Leiv (Classical Philology).
Andenaes, Johannes (Law).
Andersen, Kristen (Law).
Anker, Øyvind (Literature).
Arnholm, Carl Jacob (Law).
Aubert, Vilhelm (Sociology).
Augdahl, Per (Law).
Beito, Olav (Philology).
Berg, Arno (Art History).
Berg, Paal (Law).
Bergsland, Knut (Philology).
Beyer, Edvard (Literature).
Boman, Thorleif (Theology).
Borgström, Carl (Philology).
Boyesen, Einar (History).
Bøe, Johannes (Archæology).
Bø, Olav (Folklore).
Bråkhus, Sjur (Law).
Bratholm, Anders (Law).
Brattegard, Olav (Philology).
Bull, Edvard (History).
Bull, Francis (Nordic Literature).
Castberg, Frede (Law).
Christiansen, Reidar Th. (Folklore).
Christophersen, H. O. (Literature).
Dahl, Dagfinn (Law).
Dahl, Nils Alstrup (Theology).
Dahl, Ottar (History).
Dahl, Otto C. (Philology).
Dal, Ingerid (Philology).
Dale, Johannes A. (Literature).
Eckhoff, Lorentz (Literature).
Eckhoff, Torstein (Law).
Einarsen, Johan (Economics).
Eitrem, Samson (Classical Philology).
Eng, Helga (Psychology).
Fischer, Gerhard (Archæology).
Foss, Kaare (Literature).
Frisch, Ragnar (Economics and Statistics).
Gallis, Arne (Philology).
Gjessing, G. (Archæology).
Grieg, Sigurd (Ethnography).
Grøtvedt, Per N. (Philology).
Grundt, Theodor (Law).
Gurvin, Olav (History of Music).
Haakonsen, Daniel (Literature).
Haavelmo, Trygve (Economics and Statistics).
Hagen, Anders (Archæology).
Halvorsen, Eyvind Fjeld (Philology).
Hanssen, Jens S. Th. (Philology).
Hauglid, Roar (Art History).
Hauge, Reidar (Theology).
Heyerdahl, Thor (Ethnology).
Hoff, Ingeborg (Philology).
Holm, Sverre (Sociology).
Holm-Olsen, Ludvig (Philology).
Holmbor, A. C. Stub (Law).
Holmsen, Andreas (History).
Holtsmark, Anne (Philology).
Hougen, Bjørn (Archæology).
Hygen, Johan B. (Theology).
Jahn, Gunnar (Economics).
Jansen, H. Ludin (Theology).
Johnsen, Arne Odd (History).
Kaartvedt, Alf (History).
Kapelrud, Arvid (Theology).
Kjellberg, Reidar (Ethnology).
Kloster, Robert (Art History).
Knudsen, Trygve (Philology).
Koht, Halvdan (History).
Kolsrud, Knut (Folklore).
Krag, Erik (Literature).
Lie, Hallvard (Philology).
L'Orange, H. P. (Archæology).
Madsen, Stephan Tschudi (Art History).
Mannsåker, Dagfinn (History).
Marstrander, Carl J. S. (Celtic Philology).
Midttun, Olav (Literature).
Mohr, Anton (Geography).
Molland, Einar (Theology).
Morgenstierne, Georg V. von Munthe af (Indian Philology).
Mørland, Henning (Philology).
Mykland, Knut (History).
Nesheim, Asbjørn (Philology).
Ness, Arne (Philosophy).
Nissen, Kristian (History).
Nome, John (Theology).
Oftedal, Magne (Celtic Philology).
Ording, Arne (History).
Petersen, Erling (Economics).
Petersen, Jan G. Th. (Archæology).
Polak, Ada B. (Art History).
Reiersöl, Olav (Statistics).
Reinton, Lars (History).
Robberstad, Knut (Law).
Rommetveit, Ragnar (Psychology).
Røstvig, Maren-Sofie (Literature).
Saltveit, Laurits (Philology).
Sandven, Johannes (Psychology).
Sandvik, Ole M. (Music).
Schjelderup, Harald K. (Philosophy).
Schreiner, Johan (History).
Seierstad, Andreas (Theology).
Seip, Jens A. (History).
Selmer, Ernst W. (Germanic Philology).
Selmer, Knut S. (Law).
Semmingsen, Ingrid (History).
Skard, Eiliv (Classical Philology).
Skard, Sigmund (Literature).
Skodvin, Magne (History).
Skrondal, Anders (Theology).
Smidt, Kristian (Literature).
Solheim, Svale (Norwegian Folklore).
Sommerfelt, Alf A. (Philology).
Sørlie, Mikjel (Philology).
Stang, Christian S. (Philology).
Steen, Ellisiv (Literature).
Steen, Sverre (History).
Steinnes, Asgaut (History).
Stigum, Hilmar (Archæology).
Strømme, Arnulf (Philosophy).
Svendsen, Paulus (Literary History).
Sverdrup, Erling (Statistics).

THESEN, ROLV (Literature).
THORSON, PER (Philology).
TØNNESSEN, JOHAN NICOLAY (History).
VALKNER, KRISTEN (Theology).
VOGT, HANS (Philology).
VOGT, JOHAN (Economics).
WILLOCH, SIGURD (Art History).
WINSNES, ANDREAS H. (Literary History).
ØSTBY, LEIF (Art History).

There are also 70 Foreign Members.

PRIZE FOUNDATION

The Nobel Committee of the Norwegian Parliament (Nobel Peace Prize) and the Norwegian Nobel Institute

The Nobel Committee of the Norwegian Parliament is, in accordance with the will of the Swedish engineer and inventor, Dr. ALFRED NOBEL, drawn up on September 27th, 1895, entrusted with the distribution of one of the five prizes instituted in the will, viz., the *Nobel Peace Prize.*

The Storting accepted the task imposed upon it on April 26th, 1897, and shortly after, elected the five members of the Committee. Members are elected for six years and retiring members may be re-elected. Three substitutes are elected every three years.

According to the Code of Statutes of the Nobel Foundation and the Special Regulations concerning the Peace Prize, candidates must be proposed in writing before February 1st of each year by a duly qualified person. Any of the following persons are held to be duly qualified to present candidates:

1. Members and late members of the Nobel Committee of the Norwegian Parliament as well as the advisers appointed by the Norwegian Nobel Institute.
2. Members of Parliaments and Governments of the various states, as well as members of the Interparliamentary Union.
3. Members of the International Arbitration Court at The Hague.
4. Members and associates of the Institut de Droit International.
5. University Professors of Political Science and of Law, of History and Philosophy.
6. Persons who have received the Nobel Peace Prize.

Direct personal applications for the Peace Prize are not considered. Every written work, to qualify for the Prize, must have appeared in print.

The Prize can also be awarded to Institutions and Associations and may be divided equally between two candidates.

No work may be awarded a prize unless it has been proved by the test of experience or by the examination of experts to possess the pre-eminent excellence indicated by the terms of Dr. Nobel's will. If it is deemed that none of the works attains the required standard of excellence, the Prize shall be withheld until the ensuing year. Should it even then be found impossible to make any award, the amount of the Prize shall be added to the Main Fund of the Nobel Foundation, unless four members at least determine that two-thirds of the amount shall be set aside for a *Special Fund* of the Peace Prize Committee.

The Prize is distributed on the anniversary of the death of Dr. Nobel, the 10th of December. The award may, however, be made known before that date. On December 10th the prize winner (or winners) receives the amount of the Prize together with a diploma designed by the Norwegian artist, GERHARD MUNTHE, and a gold medal made by the Norwegian sculptor, GUSTAV VIGELAND. The first award of the Nobel Peace Prize was in 1901.

Sixteen prizes have not been distributed, and two-thirds of the amount of some of the prizes has been set aside for a *Special Fund of the Peace Prize Committee* mentioned above. This Fund amounted in 1963 to 2,401,234.81 (Swedish) Kr. According to the Statute of the Nobel Foundation the proceeds of the Fund can be employed to support international Peace efforts. The amount of the Nobel Peace Prize in 1961 was 250,232.88 (Swedish) Kr.

The members of the Nobel Committee of the Norwegian Parliament are as follows:

G. JAHN (Chair.), G. NATVIG PEDERSEN (Deputy Chair.), C. J. HAMBRO, M. TRANMAEL, Å. LIONAES.

General Secretary of the Committee, A. SCHOU, Director of the Norwegian Nobel Institute.

Peace Prizewinners since 1945 are as follows:

1945	CORDELL HULL (American).
1946	JOHN R. MOTT (American). EMILY GREENE BALCH (American).
1947	*American Friends' Service Committee, Washington, D.C.* *Friends' Service Council, London.*
1948	No award.
1949	Lord BOYD-ORR (British).
1950	Dr. RALPH BUNCHE (American).
1951	LÉON JOUHAUX (French).
1952	Dr. ALBERT SCHWEITZER (French).
1953	Gen. GEORGE MARSHALL (American).
1954	*Office of the U.N. High Commission for Refugees.*
1955	No award.
1956	No award.
1957	LESTER BOWLES PEARSON (Canadian).
1958	Father PIRE, O.P. (Belgian).
1959	PHILIP NOEL-BAKER (British).
1960	Chief ALBERT LUTHULI (South African).
1961	DAG HAMMARSKJÖLD (posthumous) (Swedish).
1962	No award.
1963	LINUS CARL PAULING (American).
1964	Dr. MARTIN LUTHER KING (American).
1965	*Unicef* (United Nations Children's Fund).

To assist in the investigations necessary for making the award, and for the promotion in other ways of the aims of the Nobel Foundation, the adjudicators of the various Nobel Prizes possess powers to establish scientific institutions, under the name of Nobel Institutes.

The Peace Prize Committee established the *Norwegian Nobel Institute* at Oslo on November 30th, 1903. The object of the institute is to follow the development of international relations, especially to work for the pacific settlement of them, and thereby to advise the Committee with regard to the distribution of the Prize. The Institute publishes a series of scientific treatises: *Publications de l'Institut Nobel norvégien.*

To the Institute are attached *Advisers* on international law, modern history and economics, appointed for a period of three years. Those serving at present are: KAARE D. TÖNNESSON for history, TORKEL OPSAHL for international law, PREBEN MUNTHE for economics. The Advisers, in collaboration with the Director of the Institute, deliver to the Nobel Committee confidential reports on the candidates for the Peace Prize. To the Institute is attached a library containing 72,000 vols. on the peace movement, international law, history, and political economy.

The Director of the Institute is AUGUST SCHOU.

The Institute has its separate quarters at 19 *Drammensveien, Oslo.*

LEARNED SOCIETIES AND RESEARCH INSTITUTES

GENERAL

Forskningsrådenes Fellesutvalg (*Joint Committee of the Norwegian Research Councils*): Wergelandsveien 15, Oslo; f. 1949; Chair. BIRGER BERGERSEN; Gen. Sec. GYRD ERIKSON; acts as advisory board to the Government on general problems concerning research and higher education and co-ordinates the following three councils:

Norges Almenvitenskapelige Forskningsråd (*Norwegian Council for Science and the Humanities*): Wergelandsveien 15, Oslo; f. 1949; sections concerned with languages and history, social sciences, psychological and educational research, natural sciences, and medicine; Chair. E. MOLLAND; Dir. E. FJELLBIRKELAND.

Norges Landbruksvitenskapelige Forskningsråd (*The Agricultural Research Council of Norway*): Wergelandsveien 15, Oslo; f. 1949; Chair. A. E. LANGSAETER; Dir. J. RINGEN.

Norges Teknisk-Naturvitenskapelige Forskningsråd (*Royal Norwegian Council for Scientific and Industrial Research*): Gaustadalleen 30, Oslo; f. 1946 by act of the Storting (Parliament); 25 mems. representing in near equal proportions the Government, industry, and the nation's research institutes; the C.S.I.R. is an independent organisation dedicated to promote scientific and industrial research; it has increased the number of Norway's research scientists by awarding Travel Fellowships to University graduates for advanced training abroad, and has established 16 research institutes; Chair. AAGE W. OWE; Dir. R. MAJOR.

ARCHÆOLOGY

Foreningen til norske Fortidsminnesmerkers Bevaring (*Society for the Preservation of Ancient Monuments in Norway*): Kirkegaten 14-18, Oslo; f. 1844; Chair. BERNT HEIBERG; Sec. EGIL SINDING-LARSEN; publ. *Årbok for Foreningen til norske Fortidsminnesmerkers Bevaring* (annual).

Norsk Arkeologisk Selskap (*Norwegian Archaeological Society*): Frederiksgt. 2, Oslo; f. 1936; 1,000 mems.; Pres. RICHARD FUGLESANG, Sec.-Gen. Prof. Dr. BJØRN HOUGEN; publ. *Viking*.

ARCHITECTURE

Norske Architekters Landsforbund (*Norwegian Architects' League*): Josefinesgt 34, Oslo, 3; f. 1911; 1,273 mems.; Pres. Architect M.N.A.L. JOHN ENGH; Sec.-Gen. Architect M.N.A.L. J. JERVELL GRIMELUND; publs. *Byggekunst, Arkitektnytt, Norske Arkitektkonkurranser*.

ART

Bildende Kunstneres Styre (*Art Assn.*): Wergelandsveien 17-19, Oslo; f. 1886; 8 mems. elected by 400 painters, sculptors and drawers; Pres. ROLF RUDE; Sec. OTTO KARI.

CHEMISTRY

Norsk Kjemisk Selskap (*Norwegian Chemical Society*): Studieselskapet for Norsk Industri, Forskningsveien 1, Blindern, Oslo; f. 1893; 750 mems.; Gen. Sec. Dr. techn. WILHELM HOLST; Chair. Direktor Dr. AAGE LUND; publs. *Tidsskrift for Kjemi, Bergvesen og Metallurgi* (10 numbers yearly), *Year Book*.

ECONOMICS, POLITICS

Norsk Utenriks-Politisk Institut (*Norwegian Institute of International Affairs*): Parkveien 19, Oslo 3; f. 1959; Dir. Dr. SANNESS.

Statsøkonomisk Forening (*Economic Association of Norway*): Dronningensgt. 16vi, Oslo; 600 mems.; Dir. KNUT GETZ WOLD; Sec. GISLE SKANCKE; publ. *Statsøkonomisk Tidsskrift* (4 numbers a year).

GEOGRAPHY, GEOPHYSICS, EXPLORATION

Geofysiske Kommisjon, Den (*Geophysical Commission*): Det Norske Meteorologiske Institutt, Blindern, Oslo; f. 1919; 5 mems.; Pres. Dr. R. FJØRTOFT; Vice-Pres. Dr. H. MOSBY; Sec. H. MUNKEBYE; publ. *Geofysiske Publikasjoner* (publ. by Det Norske Videnskaps-Akademi in Oslo).

Norges Geologiske Undersökelse (*Geological Survey of Norway*): Leiv Erikssons Vei 39, Trondheim; Man. Dir. KARL INGVALDSEN; library of 40,000 vols.; publ. *Norges Geologiske Undersokelses Shrifter*.

Norske Geografiske Selskab, Det (*Norwegian Geographical Society*): Geographical Inst. of the University, Blindern, Oslo; f. 1889; 1,000 mems.; library of 5,000 vols.; Chair. S. TØYN; Sec. P. MATHIESEN; publ. *Norsk Geografisk Tidsskrift* (quarterly).

Norsk Geologisk Forening (*Norwegian Geological Society*): Geologisk Museum, Sarsgt. 1, Oslo 5; f. 1905; 355 mems.; Chair. INGE BRYHNI; Sec. T. FALKUM; Editor G. HENNINGSMOEN; publ. *Norsk Geologisk Tidsskrift* (annual).

Norsk Polarinstitutt (*Norwegian Polar Institute*): Observatoriegt. 1, Oslo; f. 1948 as a continuation and expansion of Norges Svalbard- og Ishavs-undersøkelser (*Norwegian Institute for Exploration of Svalbard and the Arctic Territories*; f. 1928); objects: preparation and publication of topographic maps and hydrographic charts of Norwegian territories in the polar regions. Scientific investigations in the fields of geology, geophysics and biology; establishment and maintenance of aids to navigation, including lighthouses and radio beacons on Svalbard; library of 15,000 vols. and 12,000 pamphlets and authors' MSS.; Dir. TORE GJELSVIK, PH.D., geologist; 20 permanent employees; publs. *Norsk Polarinstitutt, Skrifter, Meddelelser and Årbok, Norwegian-British-Swedish Antarctic Expedition 1949-52, Scientific Results*.

HISTORY

Kirkehistorisk Samfunn (*Church History Society*): Box 139, Voksenlia; f. 1956; 34 mems.; Pres. Prof. Dr. Theol. EINAR MOLLAND; Sec.c.ph. JOHANNES ELGVIN; publ. *Norvegia Sacra*.

Landslaget for Bygde- og Byhistorie: Gyldenlövesgt. 22b, Oslo 2; f. 1920; local history; co-ordinates the work of about 70 local organizations; Pres. Dr. philos. LARS REINTON; Sec. JENS E. REINTON; publ. *Heimen* (quarterly).

Norsk Historisk Forening (*Norwegian Historical Society*): Oslo University Press, Blindern, Oslo 3; f. 1869; Pres. Prof. J. A. SEIP; publ. *Historisk Tidsskrift* (quarterly).

Norsk Lokalhistorisk Institutt: Mogens Thornsensgt. 13, Oslo 2; f. 1955; research in local history including registering of series from state archives and publication of a Norwegian historical dictionary; Dir. Dr.philos. ROLF FLADBY.

Norsk Slektshistorisk Forening (*Norwegian Genealogical Society*): Øvre Slottsgt. 17, Oslo; f. 1926; about 1,300 mems.; Pres. OTTO S. ENGELSCHIØN; Sec.H.r.adv. ANTHON BUSCH; publ. *Norsk Slekshistorisk Tidsskrift*.

INTERNATIONAL CULTURAL INSTITUTES

British Council, The: Fridtjof Nansens Plass 5, Oslo; Rep. W. R. MCALPINE, O.B.E.

Deutsches Kulturinstitut: Uranienburg Terrasse 6, Oslo; f. 1962; Dir. H. DÄUMLING.

Goethe-Institut: Komediebakken 11, Bergen; f. 1962; Dir. Dr. W. GRÜTERS.

Indo-Iransk Institutt (*Pak-Indo-Iranian Institute of tde University of Oslo*): Nils Treschows Hus, Blindern, Oslo; f. 1920; the study of Indian and Iranian languages, culture, history, etc.; library of 15,000 vols.; Pres. Prof. NILS SIMONSSON.

Instituttet for Sammenlignende Kulturforskning (*Institute for Comparative Research in Human Culture*): Drammensveien 78, Oslo; f. 1922; concerned mainly with comparative study of languages, religions, folklore, law, ethnology, archæology, and sociology, sponsoring research programmes, arranging lectures and publishing; specialised library in Caucasian linguistics, approx. 500 vols. and reprints; Pres. H. VOGT; Vice-Chair. G. MORGENSTIERNE; Sec. S. OTTO; publs. *Lectures I-XXV, Writings I-VIII, Reports I-V.*

Istituto Italiano di Cultura: Drammensveien 8, Oslo; Dir. Prof. GIOVANNI GONNET.

Norsk Utenrikspolitisk Institutt (*Norwegian Institute of International Affairs*): Oslo; f. 1959; information, publication and research in international relations; Pres. FINN MOE; Dir. Dr. JOHN SANNESS; Sec. PER FRYDENBERG; publs. *International Politikk* (quarterly), *Tidens Ekko* (monthly) (both in co-operation with Chr. Michelsen's Institute), *Öst-Ökonomi* (Scandinavian journal of Eastern economies with emphasis on theoretical problems).

Norway-America Association: Kirkegt. 15, Oslo; f. 1919; approx. 500 mems.; a non-profit organisation to further cultural ties between the U.S. and Norway primarily through student exchanges and scholarships; Chair. of the Board JENS A. TELLEFSEN; Sec. Miss RAGNHILD GALTUNG.

U.S. Information Service: Drammensveien 18, Oslo.

LAW

Norsk Forening for Internasjonal Rett (*Norwegian Society for International Law*): Kongensgt. 6, Oslo; f. 1925; 93 mems.; Pres. OLE TORLEIF RÖED; Sec. E. RYGH.

LITERATURE

Norske Akademi for Sprog og Litteratur (*Norwegian Academy for Language and Literature*): Oslo; f. 1953; Pres. Prof. A. H. WISNES; Sec. F. LANGE-NIELSEN.

Norske Forfatterforening, Den (*The Norwegian Authors' Society*): Fr. Nansens plass 6, IV, Oslo; f. 1893; 233 mems.; Pres. O. BANG-HANSEN; Sec. INGER FJELDSTAD.

MATHEMATICS

Norsk Matematisk Forening (*Norwegian Mathematical Society*): Universitetet, Blindern, Oslo; f. 1918; 200 mems.; Pres. Prof. K. E. AUBERT; Sec. P. HOLM; Treas. E. HANSEN; publs. *Nordisk Matematisk Tidsskrift, Mathematica Scandinavica* (in collaboration with the mathematical societies in Denmark, Finland, Iceland and Sweden).

MEDICINE

Medicinske Selskap i Bergen, Det (*Medical Society*): Bergen; f. 1831; 180 mems.; Chair. Prof. Dr. med. J. ROKSTAD; Sec. Dr. K. HALVORSEN; Editor Prof. Dr. med. P. OEDING; publ. *Medicinsk Revue* (section of *Nordisk Medisin*; weekly).

Norske Laegeforening, Den (*Norwegian Medical Assen.*): Inkognito gt. 26, Oslo; f. 1886; 4,100 mems.; Pres. Dr. GERHARD LARSEN; Sec. Dr. ODD BJERCKE; Editors O. K. HARLEM, Dr. ODD BJERCKE; publ. *Tidsskrift for Den norske lægeforening* (twice monthly).

Norsk Farmaceutisk Selskap (*Norwegian Pharmaceutical Society*): f. 1924; to further the scientific and practical development of pharmacy; mems. 405; Chair. cand. pharm. REIDAR FYLLINGEN; Sec. cand. pharm. MERETE SCHRODER-NIELSEN, Universitetets farmasöytiske institutt, Blindern, Oslo; publ. *Meddelelser fra Norsk Farmaceutisk Selskap.*

Norsk Medicinsk Selskab (*Medical Society*): Drammens vn. 44, Oslo; f. 1833, 500 mems.; Chair. Prof. Dr. C. SEMB; Man. Dr. O. TIDEMAND-JOHANNESSEN; Sec. Dr. PER AMUNDSEN; publ. *Norsk Magasin for Laegevidenskapen* (section of *Nordisk Medisin*) (weekly).

Norsk selskap for parapsykologisk forsking: Postboks 14, Oslo; about 70 mems.; Pres. HARALD SCHJELDERUP.

METEOROLOGY

Norske Meteorologiske Institutt, Det (*Norwegian Meteorological Institute*): Blindern, Oslo; f. 1866; 400 mems.; library of 25,000 vols.; Dir. Dr. R. FJØRTOFT; Vice-Dir. P. THRANE; Librarian F. JELSTRUP; publs. *Norsk Meteorologisk Årbok* (annually), *Nedbøriakttagelser i Norge* (annually), *Årsberetning for de Meteorologiske Institusjoner i Norge* (annual report), *Meteorologiske Annaler, Klimatologisk månedsoversikt* (monthly).

MUSIC

Norsk Komponistforening (*Society of Norwegian Composers*): Klingenberggt 5, Oslo; f. 1917; 56 mems.; Pres. KLAUS EGGE; Sec. ERLING KJELLSBY; publ. catalogue of contemporary Norwegian orchestral and chamber music.

SCIENCE

Chr. Michelsens Institutt for Videnskap og Aandsfrihet (*Institute of Science and Intellectual Freedom*): Bergen; f. 1929; occupied with scientific research as well as cultural work, especially to promote understanding and toleration between nations, races, and classes; Pres. Prof. E. W. PAULSON; Dirs. of Research: Physical Science Section (Nygaardsgt. 114), HELMER DAHL, Dr. ODD DAHL; Humanities and Social Science Section (Kalvedalsv. 12), JUST FAALAND, STEIN ROKKAN; publ. *Beretninger* (Reports), non-periodical publications, and together with the Norwegian Institute of Foreign Affairs *Internasjonal Politikk* (4 issues yearly).

Institutt for Atomenergi: Kjeller; national atomic energy research establishment; the main research centre is located at Kjeller, where two research reactors (JEEP and NORA) are in operation; a third (JEEP II) will be completed in 1965; a joint international reactor physics research programme is being conducted with the NORA zero energy reactor in co-operation with the International Atomic Energy Agency; the Institute's boiling water reactor at Halden is the subject of a joint international research project under the auspices of O.E.C.D.

Kongelige Norske Videnskabers Selskab, Det (*Royal Norwegian Society of Sciences*): Trondheim; f. 1760; reorganised 1926; 99 Norwegian, 30 foreign mems.; Pres. Prof. Dr. HARALD WERGELAND; Sec.-Gen. Prof. Dr. OLE PEDER ARVESEN; publs. *Skrifter* (since 1761), *Forhandlinger* (since 1926) (both annual).

Polytekniske Forening, Den (*The Polytechnic Society*): Rosenkrantzgt. 7, Oslo; f. 1852; 2,400 mems.; Sec. JENS BÖE; publ. *Teknisk Ukeblad.*

Selskapet til Videnskapenes Fremme (*The Society for the Advancement of Science*): University of Bergen, Bergen; f. 1927; 80 elected, 350 ordinary mems.; objects: to promote science by supporting research work, by publications of a scientific or popular character, by distributing prizes for scientific work, etc.; Pres. Dr. ULF HAFSTEN; Gen. Sec. Prof. Dr. KNUT FAEGRI; publs. *Småskrifter* (pamphlets).

Videnskapelige Forskningsfond av 1919 (*Fund for Scientific Research of 1919*): Drammensveien 78, Oslo; f. 1919;

Humanities Section; Chair. A. KAARTVEDT; Section for Mathematics and Natural Science: Chair. N. DANBOLT.

STATISTICS

Statistisk Sentralbyrå (*Central Bureau of Statistics*): Dronningensgt. 16, Oslo; f. 1876; library of 93,868 vols.; Dir. PETTER JAKOB BJERVE; Libr. INGRID HEUM; publs. *Serien: Norges offisielle statistikk* (Series: The Official Statistics of Norway) (irregular), *Statistisk månedshefte* (Monthly Statistical Bulletin), *Månedsstatistikk over utenrikshandelen* (Monthly Foreign Trade Statistics), *Samfunnsøkonomiske studier* (Social Economic Studies), *Artikler fra Statistik Sentralbyra* (Articles from the Central Bureau of Statistics).

TECHNOLOGY

Norges Tekniske Vitenskapsakademi (*Norwegian Academy for Engineering Sciences*): Trondheim; f. 1955; 158 mems. Pres. Prof. S. P. ANDERSEN; Vice-Pres. Prof. A. ALMAR-NÆSS; Sec.-Gen. Prof. T. ROSENQVIST; publ. *Acta Polytechnica Scandinavica* (Norwegian contributions).

Norske Ingeniørforening, Den (*Norwegian Society of Engineers*): Kronprinsensgate 17, Oslo; f. 1874; 8,500 mems.; Pres. OVV SKALIG; Gen. Sec. A. NAGELL; publ. *Teknisk Ukeblad* (weekly).

Papirindustriens Forskningsinstitutt (*The Norwegian Pulp and Paper Research Institute*): Postboks 250, Vinderen, Oslo 3; f. 1923; Managing Dir. ERIK STEPHANSEN.

Studieselskapet for Norsk Industri (*Norwegian Industries Development Association*): Forskningsveien 1, Oslo 3; f. 1944; library of 12,000 vols. and 900 periodicals; Managing Dir. Dr. techn. W. HOLST; publs. *Artikkel-Indeks* (Abstract journal), *Ajour Teknisk Informasjon* (Technical digest journal), *Forskning og Teknikk* (Research and development news).

LIBRARIES AND ARCHIVES

Arendal Kommunale Bibliotek (*Municipal Library*): f. 1832, opened to public 1907; since 1947 central library to the County of Aust Agder; 55,000 vols.; Head Libr. LULLE UGLAND.

Bergens offentlige Bibliotek (*Municipal and County Library*): f. 1874; 252,000 vols.; City Libr. JOHANNES BYGSTAD.

Deichmanske Bibliotek (*City Library of Oslo*): Henrik Ibsens gt. 1, Oslo 1; f. 1785; 720,000 vols.; Chief Libr. HANS FLØGSTAD.

Det Kongelige Norske Videnskabers Selskabs Bibliotek (*Library of the Royal Norwegian Society of Sciences and Letters*): Erling Skakkes Gate 47c, Trondheim; f. 1760; 310,000 vols.; open to the public; collection of books is of a general nature and since 1941 includes depository copies of all Norwegian literature; Head Libr. THOR M. ANDERSEN.

Drammens Folkebibliotek (*Public Library of Drammen*): Drammen; f. 1916; public library for Drammen and central library for the county of Buskerud; 90,000 vols.; Pres. K. WAHL; Chief Libr. ALF C. MELHUS.

Fredrikstad Bibliotek (*Municipal Library and Central Library of Ostfold Fylke*): Fredrikstad; f. 1926; 103,538 vols.; open daily; Chief Libr. ARNE KR. SOLLID.

Kristiansands Folkebibliotek (*Municipal Library*): Kristiansand S.; f 1909; since 1938 also central library for Vestagder; 89,885 vols.; Chief Libr. REIDUNN JOHNSEN.

Nobel Institute Library (*see under* Norwegian Nobel Institute above).

Norges Landbrukshøgskoles Bibliotek (*Library of the Agricultural College of Norway*): Vollebekk; f. 1859; literature concerning all branches of agricultural science, chemistry, general biology, botany, etc.; 197,600 units; Head Libr. ARNE JOHNSON; publ. *Arsbereting fra Norges Landbrukshøgskole.*

Norges Tekniske Høgskole Hovedbiblioteket (*Library of the Technical University of Norway*): Hovedbiblioteket, Trondheim; f. 1910; aim: to serve and promote science and engineering education, scientific and industrial research through providing and preparing for use the literature necessary for these purposes; maintains a science information service and has a documentary film and xerox department; since 1957 is also the *Central Technical Library of Norway*; 310,000 vols.; Libr. KNUT THALBERG; publ. *Meldinger og Boklister, Litteraturlister I.* 1958 (Bibliographies); Telex 5186.

Riksarkivet (*National Archives of Norway*): Bankplass 3, Oslo; f. 1817; takes charge of the archives of the ministries and other branches of the central administration; Dir. DAGFINN MANNSÅKER.

Rjukan Bibliotek (*Public Library of Rjukan*): Rjukan; f. 1914; 54,000 vols.; Chief Libr. MARGRETE MILDE.

Statsarkivet (*State Archives*): Strandgata 71, Hamar; f. 1917; public record office; archives; public reading-room open on weekdays; library of 9,000 vols.; Chief Archivist JAN H. OLSTAD; Deputy Archivist ANDERS FRØHOLM.

Stavanger Bibliotek (*Stavanger Library*): Stavanger; f. 1885; municipal library for the town of Stavanger, central library for the county of Rogaland; 120,000 vols.; music and picture collection; Libr. Miss HEDVIG DAAE.

Stortingsbiblioteket (*Library of the Storting*): Storting Building, Oslo 1; f. 1871; political literature; 94,000 vols.; open to the public on application; Chair. HARALD SELÅS (mem. of the Storting); Head Libr. OLAF CHR. TORP; publ. *Aksesjonskaralog over Utenlansk Litteratur* (annual).

Styret for det Industrielle Rettsverns Bibliotek (*Library of the Norwegian Patent Office*): Middelthunsgate 15b, Oslo; f. 1888; 34,376 vols. scientific and technical books and periodicals of reference for patent research; 10,240,164 patents; Chief Libr. EVA SWENSEN; publs. *Norske Patentskrifter, Norsk Tidende for det Industrielle Rettsvern, Register over Norske Patentskrifter.*

Universitetsbiblioteket (*Oslo University Library*): Oslo; f. 1811; 1,400,000 vols., 36,000 newspapers; special divisions for manuscripts, maps, prints and drawings, music, theatre, incunabula, papyri and orientalia; the University Library receives by law copies of all Norwegian books, and edits the official Norwegian book catalogue; Dir. H. L. TVETERÅS; publs. *Norsk Bokfortegnelse* (The National Bibliography), *Bibliografi over Norges offentlige publikasjoner* (Bibliography of Norwegian Government publications).

Universitetsbiblioteket i Bergen (*The University Library of Bergen*): f. 1825 as Bergens Museums Bibliotek; 420,000 vols.; special divisions for folk music, newspapers, manuscripts and maps. The University Library receives deposit copies of all Norwegian books desired; Dir. HALLVARD S. BAKKEN; University Librs. GERHARD MUNTHE, LARS OTTO GRUNDT, SIGURD FASTING JACOBSEN, JOHANNE MARTENS; Folk Music Researcher ARNE BJØRNDAL; publs. *Universitetet i Bergen Årbok* (Year-

book: Natural Science, Humanities and Medical Science divisions); *Skrifter* (Monographs), *The Norwegian North Polar Expedition with the "Maud" 1918-1925*, Vols. 1-5, all available on exchange.

Utenriksdepartementets Bibliotek (*Library of the Ministry of Foreign Affairs*): 7. Juni-Plassen 1, Oslo; f. 1901, reorganised 1919-22; includes an agricultural section; objects: foreign affairs, international law and international relations—political, social, economic and commercial; library is a reference library for Govt. Depts.; is also open to the public; 100,000 vols., including periodicals and pamphlets, 4,181 maps; Head Librarian GERD BIRKELUND KRAG; publs. *Tilvekst Utenriksdepartementets Bibliotek* (monthly); *Aksesjonskatalog over utenlandsk litteratur* (annually, in co-operation with Nobel Institute, Central Bureau of Statistics and Stortingsbiblioteket).

MUSEUMS AND ART GALLERIES

Botanisk Museum (*Botanical Museum of the University*): Trondheimsveien 23b, Oslo 5; f. 1863; library of 35,000 vols.; Dir. Prof. ROLF Y. BERG; Curators P. STÖRMER, J. KAASA; publ. *Nytt Magasin for Botanikk* (annual).

De Sandvigske Samlinger (*Sandvig Collection*): Maihaugen, Lillehammer; f. 1887 as private collection; now owned by the Selskapet De Sandvigske Samlinger; 100 old houses of historical interest and 60 old workshops in a new exhibition hall; visitors average 80,000 yearly; Dir. FARTEIM VALEM-SEMDSTAD; publs. *Guides, Maihaugen, De Sandvigske Samlingers Skrifter.*

Det Kongelige Norske Videnskabers Selskab, Museet (*The Royal Norwegian Society of Sciences and Letters, The Museum*): Erling Skakkesgate 47, Trondheim; f. 1760; library of 325,000 vols.; zoological, botanical, mineralogical and archaeological departments; Pres. REIDAR BREKKE; Dir. Dr. E. SIVERTSEN; Libr. GERHARD MUNTHE; publs. *Årbok* (Annual Report).

Hærmuseet (*Army Museum*): Akershus, Postboks 958, Oslo 1; f. 1946; Curator Col. TOR HOLM; publ. *Hærmuseets Årbok* (annual).

Kunstindustrimuseet i Oslo (*Museum of Applied Art*): St. Olavsgate 1, Oslo; f. 1876; illustrates the applied arts mainly from 1100 until today; classified Norwegian, European and modern collections; comprises ceramics, glass, furniture, textiles (especially Norwegian tapestries and costumes), metal-work and book production; library of fine and applied arts containing 17,500 vols.; workshop for preservation and repair of old textiles; Dir. Dr. EIVIND S. ENGELSTAD; Asst. Dir. ALF BÖE; Librarian SVEN RYGGE; periodical publ. *Kunstindustrimuseets årbok* (Year Book).

Lillehammer Bys Malerisamling (*Lillehammer Municipal Art Gallery*): Kirkegaten 69, Lillehammer; f. 1921; Dir. OLE RØNNING JOHANNESEN.

Munch-museet: Tøyengata 53, Oslo; f. 1963; contains works of Edvard Munch: 1,000 paintings, 4,500 drawings and water-colours, 15,000 graphic works, 6 sculptures, 6,000 books, letters and other documents, etc.; Dir. JOHAN H. LANGAARD; Curator REIDAR REVOLD.

Nasjonalgalleriet: Universitetsgaten 13, Oslo; f. 1837; the principal art gallery in Norway, containing collections of Norwegian paintings and sculpture, old European paintings, examples of modern French, Danish and Swedish art, a collection of prints and drawings, and a small collection of Greek and Roman sculpture; also a collection of casts; *ca.* 15,000 vols. in library; Dir. S. WILLOCH; Curators: LEIF ØSTBY, OSCAR THUE, KNUT BERG; Librarian VIVI GREFTEGREFF.

Nordenfjeldske Kunstindustrimuseum (*Arts Industry Museum for Northern Norway*): Trondheim; f. 1893; approx 10,000 exhibits; depts. of furniture, textiles, glass, ceramics, metalwork from the Renaissance period to modern times; Dir. THV. KROHN-HANSEN; Curator ALBERT STEEN; publ. *Nordenfjeldske Kunstindustrimuseum Årbok* (annual).

Nordland Fylkesmusem: Bodo; f. 1888; covers all aspects of life in the north of Norway; 4,000 items.

Norsk Folkemuseum (*Norwegian Folk Museum*): Bygdøy nr. Oslo; f. 1894; the museum consists of open-air and indoor sections; the collections comprise 110,000 objects; of particular interest are the sections showing the culture of the country districts and old Norwegian weaving, a large church section, and Henrik Ibsen's study, which stands exactly as it was used by the writer; there is a Lapp collection; the open-air museum consists of about 140 old buildings, including the famous Gol stave church from the 12th century; in the section "Landsbygda" are installed farms which have been brought from different parts of Norway as representatives of various valleys and parishes. A special section, "Gamblebyen", consists of memorials from different Norwegian towns which in the Folk Museum are laid out as an old town quarter; library of 25,000 vols.; visitors average 200,000 yearly; Dir. REIDAR KJELLBERG; Asst. Dirs. Prof. HILMAR STIGUM, ASTRID BUGGE, Prof. Dr. ASBJÖRN NESHEIM; publs. *By og Bygd* (year book), *Guides* (in English, German and Norwegian), *Norske Bygder*, I-VI, *Samiske Samlinger, Smdskrifter fra Norsk Etnologisk Gransking, Arbeidsfolk forteller.*

Norsk Sjøfartsmuseum (*Norwegian Navigation Museum*): Bygdøynes, Oslo; f. 1914; library of 12,000 vols.; Dir. SVEIN MOLAUG; Curator ERIK VEA; publ. *Norsk Sjøfartsmuseums årsberetning* (annual).

Norsk Teknisk Museum: Fyrsttkkalléen 1, Oslo; f. 1914; Managing Dir. Dr. T. D. HAUGE; publ. *Yearbook.*

Stavanger Museum: Stavanger; f. 1877; archæology, urban and rural culture, zoology; library of 22,500 vols.; Dir. HOLGER HOLGERSEN; Curators: ODMUND J. MOLLEROP, JAN HENDRICH LEXOW, A. BERNHOFT-OSA; publ. *Stavanger Museums Årbok* (year book), *Sterna* (quarterly), *Frdhaug ok heidni* (quarterly).

Tromsö Museum: Tromsö; f. 1872; has six depts. which are concerned with scientific and anthropological investigations in northern Norway and the Arctic regions; library of 70,000 vols.; Dir. KÅRE LANDMARK; Curators: Dept. of Geology, KÅRE LANDMARK; Dept. of Botany, OLA SKIFTE; Dept. of Zoology, BENGT CHRISTIANSEN; Dept. of Archæology, POVL SIMONSEN; Dept. of Folk Culture, OTTAR BROX; Dept. of Lapp Ethnography, ØRNULV VORREN; Collections of Folk Music, ARNT BAKKE; publs. *Acta Borealia, Tromsö Museums Skrifter, Astarte, Årsberetninger* (annual report), *Ottar, Antikvariske registreringer i Nord-Norge.*

Universitetets Etnografiske Museum (*Ethnographical Museum of the University*): Frederiksgate 2, Oslo; f. 1857; approx. 20,000 exhibits, including Roald Amundsen collections in the Arctic section, Carl Lumholtz's Borneo collections in the Indonesian section; library of approx. 16,000 vols.; visitors average 40,000 yearly; Dir. Prof. GUTORM GJESSING; Chief Curator Dr. JOHS. FALKENBERG; Deputy Director ARNE MARTIN KLAUSEN; publs. *Skrifter, Bulletins.*

Universitetets Oldsaksamling (*University Antiquities Collection*): Frederiksgate 2, Oslo; f. 1928; collections

from the stone, bronze, iron and middle ages; library of 20,500 vols.; Dir. Prof. Dr. BJÖRN HOUGEN; publ. *Universitetets Oldsadsamlings Årbok* (annual).

Universitetets Samling av Nordiske Oldsaker (*Museum of Northern Antiquities*): Frederiksgate 2, Oslo; f. 1928; rich collection of exhibits from prehistoric and Viking times, including Viking ships, and the Middle Ages; approx. 30,000 exhibits; visitors average 50,000 yearly; Dir. Prof. BJÖRN HOUGEN; publs. *Universitetets Oldsaksamlings Årbok* (annual); *Universitetets Oldsaksamlings Skrifter; Norske Oldfunn; Guides* (in English, French, German, Italian, Spanish and Norwegian).

Vestlandske Kunstindustrimuseum (*Museum of Applied and Industrial Arts for Western Norway*): Bergen, Nordal Brunsgate 9; f. 1887; Dir. Dr. ROBERT KLOSTER; Chief Curator THALE AHSÖEN; Sec. TONI RAMHOLT; publ. *Vestlandske Kunstindustrimuseum årbok* (every three years).

Zoologisk Museum (*Zoological Museum*): Sarsgate 1, Oslo; f. *circa* 1820 (present building 1907-08); Norwegian vertebrates and invertebrates, Arctic, Antarctic and exotic, particularly Australian, collections; library of approx. 15,600 vols., 47,600 pamphlets; Dir. Dr. LEIF R. NATVIG; Vertebrate Section EDV. BARTH; Marine Invertebrate Section NILS KNABEN; Entomological Section A. LILLEHAMMER; Osteological Section J. A. PEDERSEN; yearly average of visitors, 70,000; publs. *Meddeleser fra Det Zoologiske Museum, Nytt fra Universitetets Zoologiske Museum, Oslo.*

UNIVERSITIES

UNIVERSITETET I BERGEN
(University of Bergen)

BERGEN

Telephone: 12140.

Founded 1948.

Rector: Prof. Dr. L. HOLM-OLSEN.
Director: A. HALVORSEN.

Library: *see* Libraries.

Number of teachers: 322, including 64 professors.

Number of students (1964): 2,400.

Publications: *Universitetet i Bergen Årbok* (Year Book), *Naturen* (a popular scientific review; monthly), *Skrifter, Småslaifter, Sarsia.*

DEANS:

Faculty of Humanities: K. MYKLAND.
Faculty of Natural Sciences: Dr. K. FAGRI.
Faculty of Medicine: O.-J. BROCH.

PROFESSORS:

Faculty of Humanities:
HAGEN, A., Archæology
HENRICHSEN, A.-J., French Philology
HOLM-OLSEN, L., Old Norse Philology
HULTBERG, HELGE, German Literature
KAARTVEDT, A., History
MYKLAND, K., History
NORENG, H., European Literature
SUNDBY, B., English Philology
THORSON, P., Folklore
TRANØY, K., Philosophy
ULVESTAD, B., German Philology
AARAAS, H. T., French Literature

Faculty of Natural Sciences:
BRATTSTRÖM, H. O., Zoology, Marine Biology
BRINKMANN, A., Zoology
FÆGRI, K., Systematic Botany
FOSS, O., Chemistry
GODSKE, C. L., Meteorology
KOLDERUP, N.-H., Geology
KVALE, A., Seismology
LARSEN, P., General Botany
MOSBY, H., Oceanography
SELMER, E. S., Mathematics
SKAVLEM, T., Physics
TJØTTA, S., Applied Mathematics
TRUMPY, B., Physics

Faculty of Medicine:
BØE, J., Infectious Diseases
BROCH, O. J., Clinical Medicine
CLOSS, K., Pharmacology
FRÖVIG, A. G., Neurology
GADE, H., Surgery
HOBAEK, A., Roentgenology
LÖVSET, J., Gynæcology and Obstetrics
OEDING, P., Bacteriology
ROKSTAD, I., Dermosyphilopathics
RUD, F., Psychiatry
STRAY, K., Surgery
SUNDAL, A., Pediatrics
VOGELSANG, TH. M., Bacteriology
WAALER, E., Pathology

Institute of Odontology:
HALS, E., Operative Dentistry
MORCH, T., Pædodontics
KVAM, T., Pædontology
SELMER-OLSEN, R., Orthodontics

Biological Station: University of Bergen; open to research workers from Scandinavian and non-Scandinavian countries; new research vessel *Fridtjof Nansen* has been assigned to the Station.

UNIVERSITETET I OSLO
(University of Oslo)

OSLO 3

Telephone: 466800.

Founded 1811.

Rector: Prof. Dr. H. VOGT.
Director: O. M. TROVIK.
Secretary: J. LÖFSGAARD.
Treasurer: R. BERGMANN.
Librarian: H. TVETERÅS.

Library: *see* Libraries.

Number of teachers: 960, including 187 professors.

Number of students: 7,180 men, 3,022 women (including 99 foreigners), total 10,202 (including 144 foreigners).

DEANS:

Faculty of Theology: Prof. Dr. R. HAUGE.
Faculty of Law: Prof. Dr. S. BRÆKHUS.
Faculty of Medicine: Prof. Dr. A. BRODEL.
Faculty of History and Philosophy: Prof. Dr. E. F. HALVORSEN.
Faculty of Mathematics and Natural Sciences: Prof. Dr. R. TANGEN.
Faculty of Dentistry: Prof. J. REICHBORN-KJENNERUD.
Faculty of Social Sciences: Prof. Dr. J. EINARSEN.

PROFESSORS:

Faculty of Theology:
HAUGE, R., Theology
HYGEN, J. B., Theology
JERVELL, J., Theology
KAPELRUD, A. S., Theology
MOLLAND, E., Theology
VALKNER, K., History of the Norwegian Church
(Vacant—Theology)

Faculty of Law:
ANDENÆS, J., Legal Science
ANDERSEN, K., Legal Science
ARNHOLM, C. J., Legal Science
AUBERT, V., Sociology of Law
BRATHOLM, A., Legal Science
BRÆKHUS, S., Legal Science
ECKHOFF, T., Legal Science
OPSAHL, T., Legal Science
ROBBERSTAD, K., Legal Science
SELMER, K., Actuarial Science
SMITH, C., Legal Science

Faculty of Medicine:
ALVIK, I., Orthopædics
ARNESEN, K., Pathology
BERGAN, F., Clinical Surgery
BLEGEN, E., Clinical Medicine
BRODAL, A., Anatomy
BRUUSGAARD, C., Clinical Surgery
DALE, T., Radiology
DANBOLT, N., Dermatology
EFSKIND, L., Clinical Surgery
ELDJARN, L., Pathological Physiology
FRETHEIM, B., Clinical Surgery
FRIMANN-DAHL, J., Radiology
HARBITZ, H. F., Clinical Surgery
HAUGE, T., Neuro-Surgery
HENRIKSEN, S., D. Bacteriology
IVERSEN, O. H., General and Experimental Pathology
JANSEN, J., Anatomy
JERVELL, A., Clinical Medicine
KAADA, B., Neuro Physiology
KIIL, F,. Experimental Medicine
KRISTIANSEN, K., Neuro-Surgery
LAAKE, H., Medicine
LAHELLE, O., Micro-Biology
LANGFELDT, G., Psychiatry
LEEGAARD, T., Oto-Rhino-Laryngology
LUNDEVALL, J., Forensic Medicine
MALM, O. J., Pathophysiological Surgery
MOLLAND, J., Pharmacology
NATVIG, H., Hygiene
NICOLAYSEN, R., Nutrition Research
OPHEIM, O. F., Oto-Rhino-Laryngology
OPSAHL, R., Medicine
OWREN, P .A., Medicine

Pihl, A. A., Cancer, Biochemistry
Poppe, E., Radiotherapy
Refsum, S., Neurology
Salomonsen, L., Pædiatrics
Schjøtt-Rivers, E., Obstetrics
Stormorken, H., Medicine
Storstein, O., Clinical Medicine
Strøm, A., Social Medicine
Sveinsson, S. L., Photo-Physiology
Thomassen, T. L., Ophthalmology
Torgersen, J., Anatomy
Torgersen, O., Medicine
Waaler, B. A., Physiology
Walaas, O., Physiology
Åas, K., Clinical Medicine
Ødegård, Ø., Psychiatry

Faculty of History and Philosophy:
Aarnes, A., French Literature
Amundsen, L., Classical Philology
Beito, O., Nordic Language
Benestad, F., Music
Bergsland, K., Finno-Ugrian Language
Beyer, E., Nordic Literature
Borgström, C. H., Comparative Philology
Christophersen, P., English Philology
Dal, Ingerid, Germanic Philology
Dale, J., Norwegian Language
Flydal, L., Roman Philology
Halvorsen, E. F., Nordic Philology
Holmsen, A., History
Hougen, B., Archæology
Isachsen, F., Geography
Jansen, H. L., History of Religion
Knudsen, T., History of Norwegian Language
Kolsrud, K., Ethnology
Koppang, O., German Literature
Krag, E., Russian Literature
Lie, H., Medieval Literature
L'Orange, H. P., Archaeology
Mørland, H., Classical Philology
Næss, A., Philosophy
Nesheim, A., Lappish
Oftedal, M., Celtic
Palme, P. O., History of Fine Arts
Saltveit, L., Germanic Philology
Schreiner, J., History
Seip, J. A., History of Political Ideas
Semmingsen, Ingrid E., History
Simonsson, N., Indian Languages and Literature
Skard, E., History of Culture
Skard, S., American Literature
Skodvin, M., History
Smidt, K., English Literature
Solheim, S., Norwegian Folklore
Stang, C. S., Slavonic Languages
Stigum, H., Ethnology
Svendsen, P., History of Ideas
Vogt, H., General Linguistics
(Vacant—Semitic Languages, French Literature)

Faculty of Mathematics and Natural Sciences:
Aubert, K. E., Mathematics
Barth, T., Petrography
Bastiansen, O., Chemistry
Berg, R., Botany
Braarud, T., Marine Biology
Broch, E. K., Theoretical Physics
Dale, J., Organic Chemistry
Eliassen, A., Geophysics
Finholt, P., Pharmacy
Foyn, J. E., Chemical Oceanography
Føyn, B., Zoology
Gjessing, J., Geography
Gronowitz, S. S., Chemistry
Haraldsen, H., Chemistry
Harang, L., Ionospheric Physics
Heintz, A., Palæontology
Hylleraas, E. A., Physics
Høeg, O. A., Botany
Høiland, E., Aerodynamics and Hydrodynamics
Jensen, E., Astronomy
Johansson, A. S., Zoology
Johansson, I., Mathematics
Laland, S., Bio-chemistry
Ljunggren, W., Mathematics
Nordal, A., Pharmacy
Norman, N., Physics
Omholt, A. K., Experimental Physics
Ore, A., Physics
Palm, E., Applied Mathematics
Pappas, A., Radio-Isotope Chemistry
Reiersøl, O., Mathematics
Rosenqvist, T. G. K., Sedimentology
Ruud, J. T., Marine Biology
Sælen, O. H., Oceanography
Selberg, H. L., Mathematics
Strand, T., Geology
Strøm, K., Limnology
Størmer, L., Historical Geology
Sverdrup, E., Actuarial Mathematics and Statistics
Sørensen, S. O., Physics
Tangen, R., Physics
Vik, R., Zoology
Ålvik, G., Botany
(Vacant—Physical Chemistry, Zoo-Physiology, General Genetics, Pharmaceutical Chemistry, Meteorology, Mathematics)

Faculty of Dentistry:
Eeg-Larsen, N., Physiology
Jonsen, J., Microbiology
Reichborn-Kjennerud, I., Operative Dentistry
Selmer-Olsen, R., Orthodontics
Toverud, G., Children's Dentistry
Walberg, F., Anatomy
Wærhaug, J., Dentistry
Åas, E., Dental Surgery
Årstad, T., Dentistry
Østby, B. N., Dentistry

The Faculty of Social Sciences:
Einarsen, J., Economics and Statistics
Gjessing, G., Ethnography
Holm, S., Sociology
Haavelmo, T., Economics and Statistics
Jacobsen, K. D., Political Science
Johansen, L., Economics and Statistics
Lysgaard, S., Sociology
Munthe, P., Distribution Economy
Petersen, E., Economics and Statistics
Rommetveit, R., Psychology
Sandven, J., Pedagogy
Vogt, J., Economics and Statistics
(Vacant—Sociology, Political Science)

NORGES TEKNISKE HØGSKOLE
(Technical University of Norway)

TRONDHEIM

Telephone: 30100.

Founded 1900.

Rector: Prof. S. P. A. Selberg.
Secretary: K. Aadahl.
Chief Librarian: K. Thalberg, M.Sc.

Number of teachers: 249 full-time.
Number of students: 2,058.

Deans:

Department of Architecture: A. E. Holm.
Department of Mining and Metallurgy: M. B. Müller.
Department of Civil Engineering: A. Selberg.
Department of Electrical Engineering: B. Storm.
Department of Chemical Engineering: L. Brun.
Department of Mechanical Engineering: J. Moe.
Department of General Science: G. Böe.

Professors:

Department of Architecture:
Gjone, E., History of Architecture
Granum, H., Architectural Engineering
Holm, A. E., Life Drawing and Use of Colour
Korsmo, A., Architecture
Krag, Architecture III
Mohr, B. L., Town and Country Planning
Myklebust, E., Planning Monumental Buildings

Department of Mining and Metallurgy:
Bugge, J. A. W., Mineralogy and Geology
Hofseth, A., Mining Engineering
Mortensen, M., Mineral Dressing
Müller, M. B., Metallurgy
Oftedahl, C., Mineralogy and Geology
Rosenqvist, T., Metallurgy
Selmer-Olsen, R., Mineralogy and Geology
Winterbottom, A. B., Metallurgy

Department of Civil Engineering:
Brandtzæg, A., Constructional and Harbour Engineering
Heggstad, R., Hydraulic Construction
Holand, I., Structural Mechanics
Janbu, N., Soil Mechanics and Foundation Engineering
Laerum, O. D., Road and Railway Contruction
Lyse, I., Reinforced Concrete
Markestad, A., Building Materials
Ording, F. B., Geodesy
Selberg, A., Steel Construction and Applied Structural Mechanics
(Vacant—Transportation Engineering)

Department of Electrical Engineering:
Aanderud, A., Telecommunications
Balchen, J. G., Automatic Control
Grønlie, L. Ø., Electrotechnical Laboratory Telecommunicatons
Hagemann, A., Power Systems Engineering and Electro-Heat
Johansen, I., High Voltage Systems
Storm, B., Electrotechnical Laboratory Telecommunications
Tonning, A., Electromagnetic Theory
Wessel-Berg, T., Applied Electronics
Westgaard, E., Electrical Machinery

Department of Chemical Engineering:
Brun, J., Industrial Electrochemistry
Flood, H., Inorganic Chemistry
Førland, T., Physical Chemistry
Giertz, H. W., Cellulose Technology
Grjotheim, K., Inorganic Chemistry
Larsen, H., Applied Biochemistry
Lydersen, A., Chemical Engineering
Notevarp, O. T., Industrial Chemistry
Sørensen, N. A., Organic Chemistry
Terjesen, S. G., Chemical Engineering
(Vacant—Chemistry)

Department of Mechanical Engineering:
Almar-Naess, A., Physical Metallurgy and Working Processes
Alming, K., Water Power Laboratory
Andersen, S. P., Production Engineering and Machine Tools
Grønningsæter, J., Heating, Ventilation and Sanitary Engineering
Iversen, G., Machine Elements
Johnson, D. G., Laboratory of Thermodynamics
Kindem, E. E., Marine Engineering
Lorentzen, G., Refrigeration Engineering
Lunde, J. K., Naval Architecture and Shipbuilding
Moe, J., Ship Structures

SARSTEN, A., Water Power Laboratory
TAYLOR, J. L., Aeronautical Engineering
TELFER, E., Naval Architecture and Shipbuilding
WALØEN, Å., Machine Elements
(Vacant—Applied Thermodynamics)

Department of General Sciences:
ARVESEN, O. P., Mathematics
BØE, G., Economics
HOLE, N., Physics
HOLT, K., Industrial Organisation and Management
JENSSEN, O., Applied Mechanics
OLSEN, H., Theoretical Physics
PERSEN, L. N., Applied Mechanics
ROMBERG, W., Applied Mathematics
SELBERG, S., Mathematics
STUBBAN, J. O., Mathematics
WERGELAND, H., Theoretical Physics
WESTIN, S., Applied Physics
(Vacant—Experimental Physics, Physics, Mathemtaics)

COLLEGES OF UNIVERSITY STANDING

Norges Handelshøgskole (*The Norwegian School of Economics and Business Administration*): Helleveien 30, Bergen; f. 1936.

Rector: D. COWARD.
Secretary R. LARSEN.
Registrar: GABRIELLE WELLE-STRAND.
Librarian: ANNA AARS DAHL.

The library contains about 40,000 volumes.

Number of teachers: 72, including 11 professors.

Number of students: 535 men, 15 women, total 550.

DEANS:

Department of Economics: G. STOLTZ.
Department of General Studies: A. SOMME.

PROFESSORS:

BORCH, K. H., Insurance
BRATTEGARD, O., German
COWARD, D., Business Economics and Administration
GERHARDSEN, G. M., Fishery Economics
HAMBRO, E., Law
HOLBAEK-HANSSEN, L., Marketing
JENSEN, O. H., Business Economics and Administration
MYRVOLL, O., Economics
STOLTZ, G., Economics
SØMME, A., Economic Geography
WEDERVANG, F., Economics

Det Teologiske Menighetstakultet (*Free Faculty of Theology, Church of Norway*): St. Olavs gt. 29, Oslo; f. 1907.

Principal: O. G. MYKLEBUST.
Secretary: A. SKOLLEVOLL.
Librarian: A. NILSEN.

Number of teachers: 11, including 8 professors.

Number of students: 395 men, 25 women, total 420.

Publications: *Tidsskrift for Teologi og Kirke, Lys og Liv, Mellom Brodre.*

PROFESSORS:

ASHEIM, I., Philosophy of Christian Education
MYKLEBUST, O. G., Missions, Comparative Religion
NOME, J., Philosophy of Religion and Moral Theology
SEIERSTAD, I., Old Testament Exegesis
WEIDER, B. O., Practical Theology
WISLØFF, C. FR., Church History
AALEN, L., Dogmatic and Moral Theology
AALEN, S., New Testament Exegesis

Norges Veterinarhøgskole (*Veterinary College of Norway*): Oslo; f. 1935.

Rector: H. F. WIRSTAD.
Secretary: F. THYNESS.
Librarian: ANNE SAKSHAUG.

The library contains 19,000 volumes.

Number of teachers: 63, including 12 professors.

Number of students: 116 men, 19 women, total 135.

PROFESSORS:

DYBING ,O., Pharmacology and Toxicology
EDLAND, H., Anatomy
ENDER, F., Biochemistry
FLATLA, J. L., Veterinary Medicine
GARM, O., Sexual Physiology and Pathology
HAUGE, S., Food Hygiene
SANDVIK, O., Microbiology and Immunology
SKJERVEN, O., Obstetrics
SLAGSVOLD, P., Animal Husbandry and Genetics
SVENKERUD, R., Pathological Anatomy
WIRSTAD, H. F., Veterinary Surgery

Norges Laererhøgskole (*Advanced Teachers' College of General and Educattional Studies*): Trondheim; f. 1922; confers the degrees of B.A. and B.Sc., and forms the nucleus of a coming university in Trondheim.

Rector: Prof. E. BULL.
Pro-Rector: Prof. P. TYLDEN.
Secretary: T. FOSNES.
Treasurer: O. M. FURULI.
Librarian: W. K. STÖREN.

Library: 30,000 volumes.

Number of teachers: 50, including 10 full professors.

Number of students: 800.

DEANS:

Faculty of Philology: Prof. EVA SIVERTSEN.
Faculty of Social Sciences: Prof. S. NÖRSTEBÖ.
Faculty of Mathematics and Natural Sciences: Prof. E. SIVERTSEN.

PROFESSORS:

Faculty of Philology:
MIDBÖE, H., Nordic Literature
NAES, O., General Linguistics
SIVERTSEN, EVA, English Language
TYLDEN, P., Nordic Language

Faculty of Social Sciences:
BENESTAD, F., Music
BULL, E., History
HOLTER, Å., Religion
NÖRSTEBÖ, S., Education

Faculty of Mathematics and Natural Sciences:
GJAEREVOLL, O., Botany
SIVERTSEN, E., Zoology

Norges Landbrukshøgskole (*Agricultural College of Norway*): Vollebekk, Aas; f. 1859.

Rector: Prof. Dr. G. KVIFTE.
Vice-Rector: Prof. H. K. SEIP.
Director: J. TEIGLAND.
Secretary: A. SKIPENES.
Librarian: H. F. MYCHLAND.

Number of teachers: 88, including 42 professors.

Number of students: 340, including 14 women.

Publications: *Meldinger fra Norges Landbrukshøgskole* (scientific reports of the Agricultural College of Norway).

PROFESSORS:

ARESVIK, O., Agricultural Economics
BREIREM, K., Animal Nutrition
BØRSET, O., Silviculture
DAHL, E., Botany
FRAMHUS, O., Dairy Machinery
GLEINSVIK, P., Surveying, Map Drawing, Surveying, Field Work
HAUGEN, Ø., Agricultural Engineering
HJULSTAD, O., Agricultural Structures
HVIDSTEN, H., Poultry and Furred Animals
HYGEN, G., Botany
JÖRGENSEN, F., Forest Economics
KVIFTE, G., Physics and Meteorology
LID, O., Law
LINDEBERG, G. G., Microbiology
LJONES, B., Pomology
LÅG, J., Soil Science
MOEN, K. J., Concentration and Subdivision of Landed Property
MORK, R., Dairy Economics
NISSEN, Ø., Farm Crops
OTTESTAD, P., Mathematical Statistics
PERSSON, A. R., Vegetable Culture
SEIP, H. K., Forest Survey and Mensuration
SKJERVOLD, H., Animal Breeding and Genetics
SKJESETH, S., Geology
SOLBERG, P., Dairy Chemistry, Bacteriology, etc.
SORTEBERG, A., Soil Cultivation and Fertilisation
STEMSRUD, K. D., Forest Technology
STRÖMME, E., Floriculture
WEXELSEN, H., Genetics
WICKSTÖM, A., Chemistry
YSTGAARD, O. M., Dairy Technology
(Vacant—Landscape Gardening, Farm Crops, Agricultural Economics)

Oslo Handelsgymnasium (*Oslo Commercial College*): Parkvn 65, Oslo; f. 1875; number of staff 60; number of students 700; Principal O. KRAN.

SCHOOLS OF ART AND MUSIC

Musik-Konservatoriet (*Conservatoire of Music*): Oslo; Nordal Brunsgt. 8; f. 1883; 60 teachers, 1,300 students; library of 10,000 vols.; Dir. T. LINDEMAN.

PROFESSORS:

BADEN, C., Counterpoint, Composition
BRU, B., Piano
BRUSTAD, B., Violin, Viola—composition, instrumentation
BUGGE-HANSSEN, U., Singing
DIRDAL, N., Piano
KARLSEN, R., Organ, Cembalo
KRØVEL, S., Violoncello
LINDEMAN, T., 'Cello—conducting, chamber music
NORDSJÖ, M., Declamation
RÖBERG, E., Violin
SALVESEN, INGRID, Piano
SANDVOLD, A., Organ—score-playing
SZTERENYI, J., Singing—opera class
VATN, M., Singing Oratorium
ØIEN, A., Organ—harmony, counterpoint

Musik-Konservatoriet: Olav Kyrresgt. 59, Bergen; f. 1905; Dir. G. SÆVIG.

Statens Kunstakademi (*State Art Academy*): Wergelandsveien 17-19, Oslo; f. 1909; Dir. Prof. A. SCHULTZ; Sec. K. SVINTERÜD.

Statens Håndverks- og Kunstindustriskole (*The State Handicrafts and Art School*): Ullevålsvn. 5, Oslo; f. 1818; Principal H. STENSTADVOLD; Treas. ANNIE HJEMGAARD; Sec. A. HALVORSEN; library contains 22,000 vols.; Librarian S. RYGGE; teaching staff 61; 409 students.

PAKISTAN

Population 93,721,000

LEARNED SOCIETIES

Pakistan Association for the Advancement of Science: University Institute of Chemistry, Panjab University, The Mall, Lahore; f. 1947; for the promotion of science in all its branches, including its application to practical problems and research; organises national and international conferences; 700 mems.; brs. at Dacca and Lahore; Pres. CH. M. AFZAL; Gen. Sec. Dr. A. G. ASGHAR, M.SC., PH.D.; publs. *Pakistan Journal of Science, Pakistan Journal of Scientific Research*, Monographs, Bibliographies, Proceedings.

All-Pakistan Educational Conference: Saeeda Manzil, Nazimabad, Karachi; f. 1951; promotes education at all levels; has established Sir Syed Girls' (degree) College, a public library, reading-room and a museum; publishes books on education and culture; library; Pres. Major SHAMSUDDIN MOHD.; Gen. Sec. SYED ALTAF ALI BRELVI; publ. *Al-Ilm-Urdu* (quarterly).

Agricultural Economics Society of Pakistan: 154 Government Quarters, Lawrence Road, Karachi; f. 1958; 200 mems.; Sec. Z. H. CHAUDRI; publ. *Proceedings.*

All-Pakistan Homoeopathic Association: Pakistan Chowk, Karachi; f. 1949; 5,780 mems.; Sec. Dr. S. AKHTAR, publs. *Pakistan Homoeopathic Journal* (monthly), *Homoeopathic Light.*

Anjuman Taraqqi-e-Urdu Pakistan: Urdu Road, Karachi 1; f. 1903; Pres. AKHTAR HUSAIN, C.S.P.; Sec. JAMILUDDIN A'ALI; Ass. Sec. MUSHFIQ KHWAJA, M.A.; publs. *Urdu* (quarterly), *Quami Zaban* (monthly).

British Council, The:
6-10 Sarnagati Buildings, Rambaugh Road, Karachi 1; Rep. N. N. TETT, O.B.E.
Regional Reps.: Karachi, E. G. HALESTRAP; Dacca, H. B. FORSTER; Lahore, (Vacant).
Education Officers at Peshawar and Rawalpindi.

German Cultural Institute: P.O.B. 300, Dacca; f. 1961; Dir. Dr. GROBE.

Goethe Institute: 256 Ingle Road, P.O.B. 992, Karachi; f. 1964; Dir. G. KONIECZNY.

Institute of Engineers, Pakistan: P.O. Ramna, Dacca; f. 1948; to promote the science, practice and business of engineering in all its branches; 5,000 mems.; Pres. M. A. JABBER; Hon. Sec. M. R. HAQ; publ. *The Annual Journal* and *The Pakistan Engineer* (quarterly).

Iqbal Academy: 84/2 Pakistan Secretariat, Kingsway, Karachi; f. 1951; institutes scholarships and lectureships, publishes books and pamphlets, and awards literary prizes; maintains an Iqbal museum, special Iqbal research library; Pres. The Minister of Education; Dir. M. RAFI UD DIN.

Jamiyatul Falah: AM. 20, Frere Road, Karachi; to encourage the study of the Holy Quran to set up and maintain Islamic Missions; Pres. MGULVI TAMIZUDDIN KHAN; Sec. MANZOOR AHMAD; Treas. IBRAHIM A. BASANI; publ. *Voice of English Monthly.*

Karachi Theosophical Society: 1 Bunder Road, Karachi 1; activities include study of U.N. and its work, and discussions on problems of education and social welfare in Pakistan; library and reading room; Pres. Mrs. GOOL MINWALLA; Sec. Mr. B. S. RUSTOMJI.

Pakistan Bibliographical Working Group: Karachi; 20 mems.; to promote bibliographical documentation and information services; Pres. A. R. GHANI, M.SC., D.L.SC.; Sec. S. V. HUSSAIN, B.A., D.L.SC.; publs. Bibliographies.

Pakistan Economic Association: c/o Economics Dept., Dacca University, Dacca; f. 1958; to promote economic research with special reference to Pakistan; Pres. Prof. A. F. A. HUSAIN; Sec. Dr. S. A. ABBAS; publ. *Pakistan Economic Journal* (quarterly).

Pakistan-German Cultural Centre: 3 Fane Road, Lahore; f. 1964; Dir. W. MAASS.

Pakistan Historical Society: 30 New Karachi Co-operative Housing Society, Karachi 5; f. 1950; historical studies and research particularly history of Islam and the Indo-Pakistan Sub-Continent; Pres. FAZLUR RAHMAN; Gen. Sec. Dr. S. MOINUL HAQ; publ. *Journal* (quarterly), Monographs, Research Studies.

Pakistan Institute of International Affairs: Strachen Road, Karachi; f. 1947; to study international affairs and to promote the scientific study of international policies, economics and jurisprudence; library 13,000 vols; 400 mems.; Pres. The Minister of Foreign Affairs and Commonwealth Relations; Sec. KH. SARWAR HASAN; publs. *Pakistan Horizon* (quarterly); books and monographs.

Pakistan Library Association: P.O. Box 392, Karachi; to advance the cause of library movement throughout Pakistan; 102 mems.; Pres. MAHMUD HUSAIN; publs. *Journal* (quarterly).

Pakistan Medical Association: P.M.A. House, Garden Road, Karachi 3.

Pakistan Philosophical Congress: Marsinghdrass Garden, 2 Club Road, Lahore; f. 1957; for the promotion of philosophical studies; Pres. Prof. M. M. SHARIF; Sec. Prof. M. ASLAM; publs. *Proceedings, Pakistan Philosophical Journal* (quarterly).

Panjab University Historical Society: University Hall, Lahore, Panjab; f. 1911.

Society of Arts, Literature and Welfare (formerly the Society of Arts and Literature): Society Park, Chittagong; f. 1948 for the advancement of art, literature, education, culture and welfare through literary and musical conferences, debates, etc.; over 500 mems. and 1,000 associates; management vested in a General Council, which elects a working committee; Gen. Sec. MUSHARREF HUSSAIN.

U.S. Information Center: 14 Topkhana Road, Dacca; also at Karachi and Lahore.

Urdu Development Board: 672-Urdu Manzil, Jamshed Road, Karachi 5; f. 1959 by Government of Pakistan; projects include an Urdu dictionary; classics and rare MSS.; Chair. MUMTAZ HASAN; Hon. Sec. S. H. HAQQEE.

West Pakistan Bureau of Education: Lahore; f. 1958; clearing house for information on education of all aspects and levels, at home and abroad; Documentation Section, Statistical Section, Publication Section and Research Section; Dir. Dr. ABDUR RAUF; publs. statistical bulletins, bibliographies and directories.

RESEARCH INSTITUTES

Astronomical Observatory of the University of the Panjab: Panjab University Observatory, Cust Road, Lahore; f. 1920; Curator M. ZIA-UD-DIN, M.A., PH.D.

Basic Medical Science Institute: Jinnah Hospital Compound, Karachi; f. 1957; to provide specialised education in basic medical subjects; library of 3,000 vols.; 150 current periodicals; Dir. Prof. PAUL A. NICOLL.

Cancer Research Institute: Jinnah Central Hospital, Karachi; f. 1954.

Central Institute of Islamic Research: Karachi; f. 1960; to conduct and co-ordinate research in Islamic studies; Dir. FAZLUR RAHMAN.

Cholera Research Laboratory: Pakistan-SEATO Cholera Research Laboratory, Institute of Public Health Building, Dacca; f. 1960; financed jointly by the Governments of Pakistan, U.K., U.S.A. and SEATO; Dir. A. S. BENENSON.

Department of Plant Protection: Block 52, Pakistan Secretariat, Karachi; f. 1947; library of 3,000 vols., 50 current periodicals; to control insect pests and locusts and to undertake research work in mycology, plant pathology and physiology; Dir. Dr. TASKHIR AHMED.

Fazl-i-Omar Research Institute: Rabwah, District Jhang; f. 1946; objects: to promote the study of science and the development of industries in the country; library of 5,000 vols.; Dir. MOHAMMAD ABDULLAH.

Geological Survey of Pakistan: Quetta; f. 1947; library of 19,234 vols., 62 current periodicals; objects: geological survey and mapping.

Geophysical Centre: Quetta; object: geophysical research.

Historical Records and Archives Commission for Pakistan: Block 76, Pakistan Secretariat, Karachi; f. 1958; objects: to advise Government on archives, records and historical documents; Sec. M. N. SAFA.

Institute of Cotton Research and Technology: New Queens Road, Karachi; f. 1951; to carry out research work on cotton production, fibres, textiles and marketing; library of 15,000 vols.; 225 periodicals; Dir. Dr. F. A. BHATTY; Sec. M. AHMED; publ. *The Pakistan Cotton* (quarterly).

Institute of Development Economics: Old Sind Assembly Buildings, Karachi; f. 1956; library of 9,500 vols., 140 current periodicals; to train post-graduate scholars on methods of economic research, planning and administration; Chair. SAID HASAN; Sec. Admin. M. A. KHALIQ.

International Centre for Research and Training in Animal Reproduction and Artificial Insemination: Malir, Karachi 30; f. 1960; to produce high-quality Red Sindhi cattle and young bulls.

Irrigation Research Institute: The Mall, Lahore; f. 1925; deals with irrigation and allied engineering problems in West Pakistan; a field model station, three sub-stations and two subsidiary laboratories for soils, foundation engineering, tube well experiments, etc.; library of 15,000 vols.; Administrator A. RASHID KAZI; Dir. Dr. MUSHTAQ AHMAD; publ. Reports, Records, Memoirs.

Malaria Institute of Pakistan: Mahakhali, Tejgaon, Dacca 5; East Pakistan; f. 1947; library of 2,700 vols.; training in malariology for medical graduates and malaria eradication personnel (professional and non-professional); entomological, protozoological and malariometric surveys, biological testing of insecticides; therapeutic and suppressive trials on anti-malaria drugs; Dir. (vacant); Asst. Dir. Md. EMDADUL HUQUE, M.B., B.S., D.P.H.

Pakistan Institute of Nuclear Sciences and Technology: Near Rawalpindi; to be incorporated in the new capital of Islamabad; f. 1960; when complete the Institute will have a research reactor and supporting laboratories with facilities for training and research; two nuclear training centres are also to be set up in Lahore and Dacca.

Pakistan Economic Research Institute: 9 Jan Mohammad Road, Anarkali, Lahore; f. 1955; to undertake socio-economic investigations and co-ordinate research in economic problems of Pakistan, to collect, compile and interpret statistical data, to publish the results and findings of investigations; Dir. AZIZ A. ANWAR; Sec. AMIN M. AKHTAR; publs. Research Papers.

Pakistan Meteorological Department: Central Directorate, Frere Road, Karachi; f. 1947; Dir. SIBTE NABI NAQVI, M.SC., F.R.MET.S.; Deputy Dirs. M. SAMIULLAH, M.SC., F.R.M.E.T.S., M. K. KHAN, M.SC.; publs. Technical periodicals, etc.

Regional Directorates:

Karachi: Airport; f. 1945; Dir. M. A. QUADIR, M.SC., F.R.M.E.T.S.

Lahore: Jail Road; f. 1945; Dir. (vacant).

Chittagong: Diwan Bazar; f. 1947; Dir. Dr. M. SHABBAR, M.SC., PH.D.

Quetta: Geophysical Institute, Murree Brewery Site, Deputy Dir. (Vacant).

Pakistan Animal Husbandry Research Institute: G.P.O., Peshawar Cantt., W. Pakistan; f. 1949; Officer-in-Charge Dr. SYED KAMAL, L.V.P., M.SC., PH.D.

Pakistan Animal Husbandry Research Institute: Comilla, East Pakistan; f. 1947; Officer-in-Charge M. ISRAIL KHAN, G.V.SC., M.S.

Pakistan Atomic Energy Commission: P.O. Box No. 3112, Karachi; f. 1956; the Commission is directly responsible for setting-up training and research centres in different parts of the country for the application of radio-isotopes and radiation sources in the field of agriculture, medicine and industry for peaceful purposes; Chair. Dr. I. H. USMANI.

Establishments under its control:

Pakistan Institute of Nuclear Science and Technology (PINSTECH): Islamabad; to serve as a training institute and to house a 5-MW research reactor of swimming pool type

Atomic Energy Centre: Lahore; research and training centre.

Atomic Energy Centre: Dacca; when complete to include a 3-MEV. Van-de-Graaf accelerator.

Atomic Energy Agricultural Research Centre: Dacca; to carry out agricultural research with isotopes.

Atomic Energy Agricultural Research Centre: Tando-jam; under construction.

Pakistan Central Jute Research Institute: Tejgaon, Dacca; f. 1951 under Pakistan Central Jute Committee, Government of Pakistan, for agricultural and technological research on jute; Dirs. of Jute Research Dr. M. ISHAQUE (Agric.), M.A., PH.D., Dr. F. O. HOWITT (Tech.), PH.D., D.SC., F.R.I.C., F.T.I.

Pakistan Council of Scientific and Industrial Research: Block No. 95, Pakistan Secretariat, Frere Road, Karachi; f. 1953; promotes the progress of science and its applications to the development of the national industries and the utilisation of the natural resources of the country; works through four regional laboratories; Dir. Dr. SALIMUZZAMAN SIDDIQUI, D.PHIL.NAT., F.R.S.; Sec. A. H. CHOTANI, M.SC.; publs. *Pakistan Journal of Scientific and Industrial Research* (quarterly), *Science and Industry* (quarterly), *Science Chronicle* (monthly), *Annual Reports*.

Central Laboratories: Karachi; physical, chemical, biochemical, pharmaceuticals and pest infestation, building materials, fuel, and engineering research divisions; Dir. Dr. SALIMUZZAMAN SIDDIQUI, D.PHIL.NAT., M.D., F.R.S.

East Regional Laboratories: Dacca; natural products, fuel, food, fruit, leather, glass and ceramics research divisions; Dir. Dr. M. QUDRAT-I-KHUDA, M.SC., D.I.C., D.SC.

North Regional Laboratories: Peshawar; indigenous drugs, fruit and vegetable technology, mineralogical and wool research divisions; Dir. Dr. S. A. WARSI, M.SC., PH.D.

West Regional Laboratories: Lahore; metallurgical, industrial fermentation, oils and fats, glass, ceramics and food technology research divisions; Dir. Dr. KARIMULLAH, D.PHIL.NAT., PH.D.

Pakistan Forest Institute: Peshawar, W. Pakistan; f. 1947; library of 11,500 vols.; Forestry Museum; two training courses leading to Diploma and B.Sc. (Hons.) in Forestry; Dir. M. SAID, M.SC., A.I.F.C.; publ. *Pakistan Journal of Forestry*.

Pakistan Standards Institution: f. 1952; member of the International Organisation for Standardisation (ISO) and International Electrotechnical Commission (IEC); objects: to recommend national standards for the measurement of length, weight, volume and energy, to prepare and promote general adoption of standards on national and international basis relating to materials and commodities, and to promote standardisation, quality control and simplification in industry and commerce, etc.; Dir. Dr. M. R. CHOWDHURY.

Panjab Board of Economic Inquiry: 3 Faridkot Road, Lahore; f. 1919; for economic research and study of problems relating particularly to West Pakistan; Dir. Dr. S. M. AKHTAR; publs. *Economic Survey* (quarterly); Reports.

Panjab University Historical Research Institute: University Hall, Lahore, Panjab; f. 1960; Dir. Prof. S. A. RASHID.

Silvicultural Research Division, North Zone: West Pakistan Forest Department 92-F Model Town, Lahore; Dir. MAHMOOD IQBAL SHEIKH, W.P.F.S.I.

Social Science Research Centre: University of the Panjab, Lahore; f. 1956; engages in academic and applied research with emphasis on demographic work; Dir. MUHAMMAD KHALID HAYAT KHAN.

Varendra Research Museum: Rajshahi, East Pakistan; f. 1910; objects: investigation and encouragement of history, archæology, anthropology, literature, and art; collection and preservation of archæological and other relics, ancient MSS., etc., and publication of original works on these subjects; library of about 8,200 vols.; 6,628 items in museum, including 4,500 ancient MSS.; Chair. of Museum M. JAMILUR RAHMAN KHAN, C.S.P.; Curator Dr. A. R. MALLICK, M.A., PH.D., F.R.A.S.

West Pakistan Veterinary Research Institute: Lahore 13; f. 1958; objects: to promote and improve the development of the livestock industry and control diseases.

Zoological Survey Department: Fish Harbour, Karachi 2; f. 1948; to promote zoological research in taxonomy, zoo-geography and wild life of Pakistan; library of 8,000 vols., 100 current periodicals; Officer-in-Charge Dr. A. R. RANJHA, D.SC.

LIBRARIES

Anjuman Taraqqi-e-Urdu Pakistan Libraries: Urdu Road, Karachi 1; comprises:

Kutub Khana-i-'Am (*Public Library*): f. 1948; 20,000 vols. in Urdu.

Kutub Khana-e-Khas (*Special Library*): f. 1948; about 30,000 vols. and MSS. in Urdu, Arabic, Persian, English, French, Latin, Greek, etc.

Archæological Library: Taxila Museum, Taxila; f. 1960; 1,400 vols. on history and arts, especially the ancient history of Pakistan; Custodian SAIFUR RAHMAN DAR.

British Council Libraries: Karachi; 41,500 vols.; Lahore 36,300 vols.; Dacca 38,300 vols.; also at Peshawar, Sind, Rawalpindi, Hyderabad, Rajshahi (East Pakistan) and Chittagong; British university text-books available for long-term loans.

British Information Services Library: El-Markaz Building, Bunder Road, Karachi; Dir. Col. I. C. EDWARDS; Deputy Dir. E. BAILEY.

Central Secretariat Library: Government of Pakistan, Block No. 59, Karachi; f. 1951; specializes in Central and Provincial Government publications; 15,000 vols., excluding public documents; Dir. M. N. SAFA; Librarian A. F. M. BADIUR RAHMAN.

Dyal Singh College Library: Lahore; f. 1910; 29,500 vols.; Librarian NAZIR AHMAD KHAN.

East Pakistan Central Public Library: Shanbagh, Dacca 2; 15,000 vols., 120 periodicals; Librarian AHMAD HUSAIN.

Ewing Memorial Library: Forman Christian College, Lahore 11; f. 1866; 54,085 vols.; Librarian ETHEL A. MELLORS.

International Book Exchange Centre: Government of Pakistan, Block No. 79, Karachi; f. 1958; 20,000 public documents; Dir. M. N. SAFA; Librarian S. I. H. SABZWARI.

Government College Library: Lahore; f. 1864; 31,449 vols.; Librarian M. SIDDIQUE, B.A., LIB.DIP.

Islamia College Library: Lahore; f. 1892; 28,500 vols., 70 current periodicals; Librarian S. NAZIR AHMAD.

Khalikdina Hall Library and Reading Rooms: Bunder Road, Karachi; f. 1856; 7,000 vols.; Librarian R. M. EDRIS.

Liaquat Hall Library: Liaquat Hall Garden, Karachi; f. 1852 as Frere Hall Library; 15,000 vols.; Librarian NEMATULLAH BEGG.

Liaquat National Library: Karachi; temporarily housed in Shikarpuri panchayat building; 40,000 vols. (24,848 English and European languages, 13,082 Oriental languages); Librarian I. H. KAISER, M.A., C.L.S.

National Assembly Libraries: Dacca and Rawalpindi; f. 1947; 40,000 vols.; 45 current periodicals; United Nations publications; Librarian S. HABIB AKHTAR HASAN.

Pakistan National Scientific and Technical Documentation Centre (PANSDOC): 2/141 S, P.E.C.H.S., Karachi; f. 1956 in association with UNESCO; established under the Pakistan Council of Scientific and Industrial Research as documentation centre for all branches of science and technology; services include supply of microfilms and photocopies, translations (into English), and bibliographies; Head Dr. A. R. MOHAJIR, PH.D. (Wisconsin).

Panjab Public Library: Lahore; f. 1884; 125,000 vols., 1,000 MSS., 150 current periodicals; Librarian KH. NUR ELAHI, B.A., LIB.DIP.

Sandeman Library: Quetta; f. 1886; 10,929 vols.; Librarian MUHAMMAD ABDUL RAZZAQ.

Talim-ul-Islam College Library: Rabwah, West Pakistan; f. 1944; 6,000 vols.; Librarian M. MOHAMMAD DIN, M.A., LIB.DIP.

U.S. Information Services Library: Karachi; Librarian J. A. ALAVI.

University of Dacca Library: Dacca; f. 1921; 150,000 vols. and over 25,000 MSS.; Librarian M. S. KHAN, M.A., B.L., F.R.S.HIST. (London).

University of Karachi Library: Karachi 32; f. 1952; 95,000 vols., 500 current periodicals; Librarian M. ADIL USMANI, M.L.S.

University of Peshawar Library: Peshawar; f. 1952; 30,000 vols., 559 MSS., 400 journals; Librarian ABDUS SUBUH QASIMI, M.A.

University of the Panjab Library: Lahore; f. 1882; approx. 170,000 vols., 17,716 MSS., 440 journals; Librarian Dr. J. S. SHARMA, M.A., D.L.SC., PH.D.LIB.SC.

University of Rajshahi Library: Rajshahi; f. 1955; 30,000 vols., 300 journals; Librarian A. RAZZA.

University of Sind Library: Hyderabad (Sind); f. 1947; 50,000 vols.; Librarian MOHAMMAD ALI KAZI, M.A.

MUSEUMS

Pakistan Museum Association: Peshawar; f. 1949; objects: to advance and improve the work of museums in Pakistan; establish close contact with universities, educational and services institutions; open new museums in important towns in Pakistan; provide facilities for the training of curators; establish an archæological laboratory; and to popularise museum movement in the country by the following means: (1) sending circulating exhibitions, (2) guided tours, (3) delivering popular lectures and publishing literature on Pakistan museums; Pres. MUMTAZ HASSAN; Gen. Sec. S. A. NAQVI; publs. *Museums Journal of Pakistan* (two issues a year), *Museum Studies*.

National Museum of Pakistan: Frere Hall, Karachi; f. 1950; collections comprise palæolithic implements from the Soan Valley, antiquities from Kot-Diji, Mohenjo-daro, Harappa, Chanhudaro, and Jhukar (3,000–1,800 B.C.), Gandhara and Indo-Afghan sculptures (22nd Century B.C.–6th Century A.D.), items from Taxila and Pahrpur, Hindu sculptures, etc.; collections of coins; paintings on paper and ivory; official documents, letters, etc.; handicrafts and modern works; also ethnographic collections; Supt. S. A. NAQVI, M.A., LL.B., F.R.A.S., A.M.A.

Aiwen-e-Rifat Museum and Art Gallery: Karachi; f. 1952; art; Dir. Dr. FYZEE RAHAMINI.

Archival Museum: Central Record Office (Government of West Pakistan), Peshawar; f. 1950; Principal Officer Prof. S. M. JAFFAR, Dir. of Archives.

Archæological Museum: Harappa, Dist. Montgomery, West Pakistan; Assistant Custodian MOHD. ABDUL HALIM, M.A.

Archæological Museum: Moenjodaro, Larkana, West Pakistan; f. 1924; a variety of antiquities unearthed from the 5,000 year-old prehistoric site—Moenjodaro; Curator NIAZ RASOOL, M.A.

Archæological Museum: Taxila, Rawalpindi; f. 1926; antiquities of every description from the sites of Taxila and monastic area, covering the years from 6th century B.C. to 5th century A.D.; Custodian SAIFUR RAHMAN DAR.

Balda Museum: Dacca; f. 1927; art and archæology; Superintendent MUHAMMAD HANNAN.

Central Museum: Lahore, West Pakistan; f. 1864; contains largest collection in the world of Graeco-Buddhist sculpture, one of the finest of Indian coins and miniature paintings of the Mughal, Rajput and Kangra schools; modern section recently enlarged; Curator MALIK SHAMSUDDIN.

Dacca Museum: Ramna, Dacca, East Pakistan; f. 1913; library of 5,000 vols.; art and archæology of Bengal; Hon. Curator A. B. M. HABIBULLAH, M.A., PH.D.; publs. *Annual Report, Catalogues, Buddhist and Brahmanical Iconography, Coins and Chronology of Independent Sultans of Bengal.*

Forest Museum: Pakistan Forest Institute, Peshawar University; f. 1952; Forestry and Allied Subjects; Curator S. SIKANDAR ALI.

Geological Museum: Quetta; 1949; Hon. Curator Petrologist.

Historical Records Office Museum: Lahore; f. 1924; Archives; Keeper MIAN MUHAMMAD SAADULLAH.

Industrial and Commercial Museum: Bank Square, Lahore, West Pakistan; permanent up-to-date collection of the raw material resources, handicrafts, art-ware and manufactured products of West Pakistan; industrial library, reading-room and auditorium attached; provides free economic intelligence to trade and industry; Curator MOHAMMAD SALEEM IQBAL, M.SC.

Lahore Fort Museum: Lahore; Arms and Armoury Gallery; Mughal Gallery: Mughal paintings, coins, calligraphy; Sikh Gallery: paintings and art of Sikh period; under the Department of Archæology, Lahore.

Peshawar Museum: Peshawar; f. 1906; the collections of this museum are devoted mainly to the sculptures of the Gandhara School; they comprise an unrivalled collection of images of the Buddha, Bodhisattvas, Buddhist deities, reliefs illustrating the life of the Buddha and Jataka stories, architectural pieces and minor antiquities excavated at Charsadda, Sahri-Bahlol, Shahji-ki-Dheri, Takht-i-Bahi and Jamal Garhi; there is also an art gallery, and sections for industrial and mineral products, forestry, effigies of Red Kafirs, etc.; Curator S. M. JAFFAR, B.A.; publs. Guides, *Red Kafirs, Handbook*, etc.

Quaid-i-Azam Birthplace Museum: Karachi; f. 1953; Historic; Librarian and Custodian HABIB AHMAD.

Rawalpindi Gallery of Modern Art: Rawalpindi; f. 1961; works of Pakistani artists; books on modern art.

Varendra Research Museum: *see under* Research Institutes.

Veterinary Museum: Bahawalpur; f. 1950; Hon. Curator Doctor-in-Charge.

Zoological Museum: Lahore; Curator A. P. KRIKLIWY.

UNIVERSITIES AND COLLEGES

UNIVERSITY OF DACCA

RAMNA, DACCA,
EAST PAKISTAN
Telephone: 2514.
Founded 1921.

Chancellor: THE GOVERNOR OF EAST PAKISTAN.
Vice-Chancellor: Dr. M. O. GHANI, S.Q.A., M.SC., PH.D.
Treasurer: S. M. ALI, S.Q.A., B.SC.
Registrar: A. H. TALUKDAR, M.A.
Controller of Examinations: M. R. KHAN, M.A.
Librarian: M. S. KHAN, M.A., B.L., F.R.HIST.S.

Number of teaching staff: 316, including 21 professors.
Number of students: 4,802.

DEANS:

Faculty of Arts: Dr. S. HAQUE, M.A., PH.D.
Faculty of Science: Dr. N. AHMAD, M.A., PH.D., F.R.G.S.
Faculty of Law: M. SHAHABUDDIN, LL.B., M.A.
Faculty of Agriculture: Dr. F. AHMED, M.A., M.SC., B.T., M.S., PH.D.
Faculty of Medicine: Lt.-Col. A. F. M. BURHANUDDIN, M.B., B.S., A.M.C.
Faculty of Education: M. O. GHANI, M.A., B.T., T.D.
Faculty of Fine Arts: S. AMEEN.

PROFESSORS:

AHMAD, K., M.SC., PH.D., Biochemistry
AHMAD, M., M.SC., PH.D., Chemistry
AHMAD, Dr. N., M.A., PH.D., F.R.G.S., Geography
AHMED, Dr. M., M.SC., PH.D., Botany
ALI, M. I., M.SC., M.E.E., PH.D., Physics (on leave)
CHAUDHURY, A. M., M.SC., PH.D., F.R.MET.SEC., Physics
CHOUDHURY, G. W., M.A., PH.D., Political Science
HABIBULLAH, Dr. A. B. M., M.A., PH.D., DIP.LIB., F.L.A., Islamic History and Culture
HAI, MD. A., M.A., Bengali
HALIM, Dr. A., M.A., PH.D., History
HAQUE, Dr. S., M.A., PH.D., Arabic and Islamic Studies
HAQUE, S. M. A., M.SC., PH.D., Mathematics
HUDA, M. N., M.A., PH.D., Economics (on leave)
HUSAIN, A. F. A., M.SC., Commerce (on leave)
HUSAIN, S. S., M.A., PH.D., English
ISLAM, N., M.A., PH.D., Economics
JILANI, Dr. G., M.A., PH.D., Philosophy (on leave)
KARIM, A. Q. M. B., M.SC., PH.D., Soil Science
KHUNDKAR, M. H., M.SC., PH.D., F.R.I.C., Chemistry
SHADANI, Dr. W. H. A., M.A., PH.D., M.O.L., Persian and Urdu
YOSUFZAI, H. K., B.SC.(HONS.)., M.SC., D. PHIL., PH.D., F.R.M.S., Zoology
(The following chairs are vacant: Statistics, Geology, International Relations and Law)

AFFILIATED COLLEGES:

Fifty-five colleges in East Pakistan are affiliated to the University of Dacca, and there are fifteen constituent colleges.

EAST PAKISTAN AGRICULTURAL UNIVERSITY

P.O. BOX, MYMENSINGH,
EAST PAKISTAN
Telephone: 193.
Founded 1961.

Chancellor: A. M. KHAN, H.PK., Governor of East Pakistan.
Vice-Chancellor: S. D. CHOUDHURI, PH.D.
Registrar: A. M. KHAN, M.A.
Librarian: A. NUR, M.A.

Number of teachers: 129.
Number of students: 1,084.

DEANS:

Faculty of Agriculture: Prof. I. H. KHAN, M.SC.
Faculty of Animal Husbandry: Prof. Q. RAHIM, M.S., PH.D.
Faculty of Veterinary Science: M. U. A. CHOUDHURY, M.R.C.V.S.
Faculty of Agricultural Economics: M. S. ISLAM, M.A., PH.D.
Faculty of Agricultural Engineering and Technology: S. M. N. HAQUE, B.E., M.S.
Co-ordinator for Advanced Studies and Research: A. KARIM, M.SC., PH.D.

PROFESSORS:

AHMED, A., B.AG., M.R.C.V.S., M.S., PH.D., Physiology and Pharmacology
CHOUDHURY, M. U. A., M.R.C.V.S., Microbiology and Hygiene
HAQUE, A., M.SC.AG., PH.D., Crop Botany
HAQUE, S. M. N., B.E., M.S., Agricultural Engineering
ISLAM, M. S., M.A., PH.D., Agricultural Economics
KARIM, A., M.SC., PH.D., Agricultural Chemistry
KHAN, D. H., M.SC., PH.D., Soil Science
KHAN, I. H., M.SC., B.AG., B.S., Agronomy
RAHIM, Q. M. F., M.S., PH.D., Animal Breeding and Genetics
SHARIF, M., D.SC., PH.D., Entomology

EAST PAKISTAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY

RAMNA, DACCA, EAST PAKISTAN
Founded 1961.

Vice-Chancellor: M. A. RASHID, B.E., D.SC.
Registrar: M. A. JABBAR, M.SC.

Number of students: 1,150.

DEANS:

Faculty of Architecture and Planning: R. VROOMAN.
Faculty of Engineering: A. M. AHMED.

UNIVERSITY OF KARACHI

UNIVERSITY CAMPUS,
UNIVERSITY ROAD, KARACHI 32,
WEST PAKISTAN
Telephone: 43012/5.
Founded 1951.

See also under University of Sind.

Chancellor: THE GOVERNOR OF WEST PAKISTAN.
Vice-Chancellor: Dr. I. H. QURESHI, M.A., PH.D. (CANTAB.).
Registrar: Dr. M. A. AHMAD, M.A., LL.B., PH.D., C.I.A.L., M.I.P.S.A.

Number of teachers: 233.
Number of students: 15,987.
Publications: *Federal Economic Review, Bengali Literary Review, Venture* (quarterly), *Jareeda* (Journal of the Bureau of Composition, Compilation and Translation), *University Studies* (quarterly research journal), *Karachi University Gazette* (monthly).

DEANS:

Faculty of Arts: Dr. A. H. SIDDIQI, PH.D.
Faculty of Business Administration: Dr. I. A. MUKHTAR, M.A., PH.D.
Faculty of Engineering: M. ALAM, B.SC., M.I.C.E., A.M.I.E.
Faculty of Science: Dr. M. A. H. QADRI, D.SC., PH.D.
Faculty of Medicine: Dr. Major S. A. HASAN, M.B.B.S., M.R.C.S., F.R.C.P.
Faculty of Islamic Learning: M. M. HAQ.

PROFESSORS:

AHMAD, M. A., M.A., PH.D., Political Science
AHMAD, M. M., M.A., D.PHIL., Philosophy
ANWAR, A. A., PH.D., Microbiology
FAREED, Q. M., M.A. (Cantab.), Economics
HASANAIN, S. Z., M.SC., PH.D., Botany
HUSAIN, M., PH.D., History (on leave)
ISLAM, R., M.A., PH.D., History
KARIM, S. M., M.SC., PH.D., Physics
QADRI, M. A. H., D.SC., PH.D., Zoology
SARWAR, G., M.A., PH.D., Persian
SIDDIQUI, A. L., M.A., PH.D., Urdu
SIDDIQUI, A. H., M.A., LL.B., PH.D., Islamic History
YUSUF, S. M., M.A., PH.D., Arabic

Institute of Public and Business Administration: f. 1959.

Post-graduate Medical Centre.

School of Physiotherapy.

There are twenty-two teaching colleges in Karachi recognised by the University.

UNIVERSITY OF THE PANJAB

LAHORE, WEST PAKISTAN
Telephone: 3747.
Founded 1882.

Chancellor: THE GOVERNOR OF WEST PAKISTAN.

Vice-Chancellor: Prof. H. A. KHAN, M.A., M.LITT.
Registrar: M. BASHIR, S.K., B.SC.
Treasurer: S. S. HAIDER, M.A.
Librarian: A. RAHIM, M.A.B.L.S.

Number of professors: 25.

Number of students: postgraduate 8,194, university colleges 3,264, affiliated colleges 25,025, University Teaching Departments 3,532.

HEADS OF DEPARTMENTS:

Arabic: Prof. A. A. MEMON.
Applied Psychology: Dr. G. JILANI.
Botany: S. A. LODHI.
Chemical Technology: K. SALAHUDDIN.
Chemistry: Dr. BADAR-UD-DIN.
Economics: Dr. S. M. AKHTAR.
English: Prof. SIRAJ-UD-DIN.
Fine Arts: Mrs. ANNA MOLKA AHMAD.
Geography: Dr. K. SAID UD DIN AHMAD.
Geology: Dr. R. G. DAVIES.
History: S. A. RASHID.
Islamic Studies: A. A. SIDDIQUI.
Journalism: M. SIDDIQUI.
Mathematics: Dr. S. M. HUSSAIN.
Persian: Dr. M. BAQIR.
Pharmacy: Dr. A. L. KHAN.
Philosophy: Prof. Q. M. ASLAM.
Physics: Dr. A. B. PAL.
Political Science: Dr. D. HUSSAIN.
Public Administration: Dr. M. AFZAL.
Social Work: Dr. RIFFAT RASHID.
Sociology: Dr. H. N. GARDEZI.
Statistics and Astronomy: Dr. M. ZIA UD DIN.
Urdu: S. V. AZIM.
Zoology: Dr. M. AHMAD.
Institute of Education and Research: M. RAFI.

COLLEGES OF THE UNIVERSITY:

Hailey College of Commerce: Lahore; f. 1927.
Principal: A. A. HASHMI, M.A., M.COM.

Law College: Lahore; f. 1858.
Principal: I. ALI, M.A., LL.B., LL.M.
Library: *see under* Libraries.

Oriental College: Lahore; f. 1870.
Principal: Dr. M. BAQIR, M.A., PH.D.

AFFILIATED COLLEGES:

There are sixty-eight affiliated colleges.

THE UNIVERSITY OF PESHAWAR

PESHAWAR, WEST PAKISTAN

Telephone: 5301.

Founded 1950.

Chancellor: THE GOVERNOR OF WEST PAKISTAN.
Vice-Chancellor: M. ALI, B.A., LL.B.
Registrar: Lt.-Col. F. KHATTAK, M.A.
Librarian: M. A. S. QASIMI, M.A., M.S.

Library: 48,480 volumes, 562 MSS. and 221 current periodicals.

Number of teachers: 306, including 19 professors.

Number of students: 4,589.

DEANS:

Dean of Sciences: Dr. A. M. MIAN, B.SC. (HONS.), PH.D.
Dean of Humanities: Dr. M. A. KHAN, M.A., PH.D.

PROFESSORS:

ALVI, M. H., M.B., B.S., M.SC., PB., PH.D., Medicine
AZAM, N., M.B., B.S., M.R.C.P., Medicine
BALUCH, R. B., M.B., B.S., F.R.C.S., D.R.C.O.G., Medicine
DULEY, F. L., Agriculture
DURRANI, MD. A., B.A. (HONS.), M.A.
DURRANI, U., B.SC., A.I.E.E., GRD.I.E.E., A.M.I.R.E., Engineering College
FAROOKI, M. A., M.B., B.S., PB., M.P.M., D.SC., Medicine
GARDEZI, S. A. R., M.B., B.S., PB., F.R.C.S., Medicine
KAMAL, Dr. S., M.SC., PH.D., Agricultural College
KHAN, Dr. F. MD., M.B.B.S., T.D.D., F.R.C.S., Khyber Medical College
KHAN, Dr. M. A., M.A., PH.D., English
KHAN, M. S., Engineering
KHAN, Dr. N. A., B.SC., M.SC., PH.D., Agricultural College
MIAN, Dr. A. M., B.SC. (HONS.), PH.D., Mathematics
QAZI, A. J., M.B., B.S., M.R.C.P., Medicine
RAHMAN, H., M.B., B.S., PB., F.R.C.S., Medicine
RAZA, Dr. S. A., M.B.B.S., M.R.C.P., Khyber Medical College
SHAH, S. Y., M.ED., DIPL.IN.ED., Education
SIDDIQI, Dr. M. S. H., M.SC., PH.D., Chemistry

CONSTITUENT COLLEGES:

Islamia College: Peshawar; f. 1913; Principal M. A. DURRANI.

Law College: Peshawar; f. 1950; Acting Principal A. RAZZAK.

Teachers' Training College: Peshawar; f. 1950; Hon. Principal S. Y. SHAH.

Engineering College: Peshawar; f. 1952; Principal U. DURRANI.

Khyber Medical College: Peshawar; f. 1955; Principal Major-Gen. A. KHAN.

College of Home Economics: University of Peshawar; f. 1954; Principal Dr. K. SIDDIQUI.

Agriculture College: Peshawar; f. 1957; Hon. Principal F. L. DULEY.

There are twelve affiliated colleges.

UNIVERSITY OF RAJSHAHI

RAJSHAHI, EAST PAKISTAN

Telephone: Rajshahi 484.

Telegraphic Address: University Rajshahi.

Founded 1953.

Chancellor: THE GOVERNOR OF EAST PAKISTAN.
Vice-Chancellor: Dr. M. AHMED, M.A., PH.D.
Registrar: A. R. JOARDER, M.A.
Librarian: A. RAZZAQUE, M.A., A.L.A.

Number of teachers: 171.

Number of students: 9,720.

Publication: *University Studies.*

DEANS:

Faculty of Arts: M. A. BARI, M.A., D.PHIL.
Faculty of Science: S. Q. HUSAIN, M.SC., M.I.T., PH.D.
Faculty of Law: S. S. Z. RAHMAN, M.A., LL.M.
Faculty of Education: M. MOHI-YUD-DIN, M.A., B.T.
Faculty of Medicine: Lt.-Col. G. AHMED, M.B.

HEADS OF DEPARTMENTS:

Department of English: Z. R. SIDDIQUI, M.A.
Department of Economics: M. T. HAQ, M.A., M.SC., PH.D.
Department of History: Prof. Dr. A. R. MALLICK, M.A., PH.D.
Department of Mathematics: Dr. S. Q. HUSSAIN, M.SC., PH.D.
Department of Geography: A. M. PATEL, M.A.
Department of Philosophy: Dr. K. M. JAMIL, M.A., D.LITT.
Department of Physics: Dr. A. HUSAIN, M.SC., PH.D.
Department of Chemistry: Dr. K. A. LATIF, M.SC., PH.D.
Department of Psychology: Prof. Dr. S. M. MOGHNI, M.A., PH.D.
Department of Commerce: M. S. ISLAM, M.A.
Department of Bengali: Dr. M. M. ISLAM, M.A., PH.D.
Department of Islamic History and Culture: Dr. M. A. BARI, M.A., D.PHIL.
Department of Statistics: K. M. HOSSAIN, M.A.
Department of Political Science: B. M. UMAR, M.A.

UNIVERSITY OF SIND

HYDERABAD, WEST PAKISTAN

Telephone: 2591.

Founded in 1947 in Karachi, and transferred to Hyderabad, Sind, in 1951, when it was decided to found a separate Karachi University. There are central teaching departments but the university also functions as an affiliating and examining body.

Chancellor: THE GOVERNOR OF WEST PAKISTAN.
Vice-Chancellor: Dr. M. R. SIDDIQI, M.A. (CANTAB.), PH.D., D.SC. (HONS.).
Registrar: M. HUSAIN, M.A.
Librarian: M. A. KAZI, M.A.

Number of teachers: 164.

Number of students: 1,767, including Engineering College.

Publications: *University Gazette, Journal of Education, Sind University Research Journal: Arts, Humanities and Social Sciences.*

DEANS AND HEADS OF DEPARTMENTS:

Departments of Comparative Religion and Islamic Culture: Dr. A. J. HALEPOTA, M.A., D.PHIL.
Department of Sindhi: A. H. JATOI, M.A., B.T.
Department of Arabic: G. N. JALBANI, M.A.

Department of Muslim History: Dr. M. H. PATHAN, M.A., LL.B., PH.D.
Department of Economics: Dr. N. A. G. KHAN, M.A., B.T., PH.D.
Department of Philosophy: W. A. FARUQI, M.A.
Department of Psychology: Mrs. RAFIA HASAN, M.A., M.ED.
Department of General History: Dr. A. BASHIR, M.A., PH.D.
Department of Political Science: Dr. N. H. KHAN, M.A., PH.D.
Department of Urdu: Dr. G. M KHAN, M A., LL.B., PH.D., D.LITT.
Department of English: S. M. J. WASTI, M.A.
Department of Persian: Dr. N. B. QAZI, M.A., M.ED., DR.PHIL.
Department of Geography: M. M. MEMON, M.SC., B.T.
Department of C.S.S. Coaching Classes: A. A. SIDDIQI, M.A., LL.B.
Departments of Zoology: Dr. A. MOHIUDDIN, M.SC., PH.D.
Departments of Botany: Dr. A. S. ISLAM, M.SC., PH.D.
Departments of Mathematics: S. ABBAS, M.A.
Department of Physics: Dr. M. A. HUSAIN, M.SC., PH.D.
Department of Chemistry: Dr. M. A. KAZI, M.SC., LL.B., PH.D.
Department of Geology: Dr. M. Z. FARSHOVI, M.SC., PH.D.
Department of Commerce: M. E. ALIRO, M.A., LL.B., M.SC.
Institute of Education: Dr. N. A. BALOCH, M.A., LL.B., M.A., D.ED.

COLLEGE OF THE UNIVERSITY:

Engineering College: Hyderabad.
Principal: M. A. LARIK, B.E., S.S.E.(I).

AFFILIATED COLLEGES:

There are twenty-nine affiliated Degree Colleges.

WEST PAKISTAN AGRICULTURAL UNIVERSITY

LYALLPUR, WEST PAKISTAN

Telephone: 4041.

Founded 1909 as Panjab Agricultural College, West Pakistan Agricultural University 1961.

Chancellor: M. A. M. KHAN, H.PK., Governor of West Pakistan.
Vice-Chancellor: Dr. Z. A. HASHMI, L.V.P., M.SC., D.V.M.
Registrar: A. Q. QURESHI, M.SC.
Librarian: N. A. KHAN, M.S.

Number of teachers: 330.
Number of students: 2,050.
Publications: *Veterinary Law in West Pakistan*, *Trees and Shrubs as Fodder in Pakistan*, *Calendar*, publications in Urdu and quarterly journals.

DEANS:

Faculty of Agriculture: N. G. YOUSAF, M.SC.
Faculty of Veterinary Science: M. MASUD, B.A, .M.R.C.V.S.
Faculty of Animal Husbandry: Dr. ISRAR-UL-HAQ, L.V.P., PH.D.
Faculty of Agricultural Economics and Rural Sociology: B. A. AZHAR, PH.D.
Faculty of Agricultural Engineering and Technology: N. D. YOUSAF, M.SC. (acting).
Advanced Studies and Research: A. LATIF, M.SC.AGRIC., PH.D. (Director).
Division of Basic Sciences and Arts: Dr. A. H. KHAN, PH.D. (Director).
Institute of Teacher Training: Dr. H. A. CHOUDHRY, PH.D. (Director) (acting).

PROFESSORS:

ASLAM, M., PH.D., Plant Breeding and Genetics
KAUSER, A. G., PH.D., Plant Pathology
KAZI, M. A., PH.D., Basic Engineering
KHAN, A. H., PH.D., Botany
RASULPURI, M. L., PH.D., Food Technology
SIAL, M. B., PH.D., Nutrition

WEST PAKISTAN UNIVERSITY OF ENGINEERING AND TECHNOLOGY

LAHORE 15

Telephone: 60244 and 68663.

Founded 1961.

Chancellor: M. A. M. KHAN, Governor of West Pakistan.
Vice-Chancellor: A. G. ASGHAR, M,SC., PH.D.
Registrar: I. HAQ, M.SC.
Librarian: ZIA UL HAQ.

Number of teachers: 113.
Number of students: 1,200.
Publication: *Pencoma* (annual).

DEANS:

Faculty of Architecture and Town Planning: Dr. A. HAMEED, M.A., PH.D.
Faculty of Engineering: Prof. A. A. JAMALUDDIN.

PROFESSORS:

AHMAD, S. N., Civil Engineering
DURRANI, S. H., Electrical Engineering
HAMEED, A., Mathematics
HAQUE, Z., Mining Engineering
QURESHI, A. H., Mechanical Engineering
RAHIM, S. A., Town Planning

COLLEGES

Chittagong Polytechnic Institute: Chittagong; f. 1962; to be completed in 1967; 200 students.

Dacca Polytechnic Institute: Tejgaon Industrial Area, Dacca 8, East Pakistan; f. 1955.

East Pakistan Textile Institute: Dacca.

Institute of Leather Technology: Dacca.

Karachi Polytechnic: Karachi.

Liaquat Medical College: Jamshiro; f. 1951; 620 students.

The Music Foundation of Pakistan: c/o Buch Terrace, Preedy Street, Karachi 3; f. 1964 to serve the cause of Western classical music through academic instruction, promote it by means of concerts, and foster an international exchange of ideas; Dir. F. BUCHOME, B.A. (HONS.), L.R.S.M.

Rawalpindi Polytechnic Institute: Rawalpindi; f. 1958.

Swedish Pakistani Institute of Technology: Government of Pakistan, Landhi, Karachi 22; f. 1958; training in electrical and mechanical technology, joinery, welding and tailoring; Chair. of Board of Governors S. O. ALI, C.S.P., S.Q.A.; Sec. Economic Affairs Divn., President's Secretariat representing the Pakistani Government; H.E. L. FINNMARK, Swedish Ambassador to Pakistan, representing Royal Swedish Government.

Technical Institutes for training technicians and "diploma engineers" exist at Lahore and Sialkot, Peshawar, Bahawalpur, Khairpur and Hyderabad.

PANAMA

Population 1,243,860

ACADEMIES

Panama City

Academia Panameña de la Lengua (*Panama Academy*): 12th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; publ. *Boletín*.
Director: BALTÁSAR ISAZA Y CALDERÓN.
Secretary: ENRIQUE RUIZ VERNACCI.

MEMBERS:

ALFARO, RICARDO J.
ARROCHA GRAELL, CATALINO
DUNCAN, JEPTHA B.
FÁBREGA, JOSÉ ISAAC
GUARDIA NAVARRO, ERNESTO DE LA
ROUX, RAÚL DE

Elected:

BERMÚDEZ, RICARDO J.
BLAS TEJEIRA, GIL
FÁBREGA, OCTAVIO
GARAY PRECIADO, NARCISCO E.
GARCÍA, ISMAEL
MEJÍA DUTARY, MIGUEL
MIRÓ, RODRIGO
OBALDÍA, MARÍA OLIMPIA DE
OZORES, RENATO
RITTER AISLÁN, EDUARDO.

Academia Nacional de Ciencias de Panamá (*National Academy of Sciences of Panama*): Apdo. 4570; f. 1942 by Dr. GUILLERMO PATTERSON, Jr.; 24 mems.; research on scientific, including industrial and health, problems; the Academy advises the National Government.
President: Dr. GUILLERMO DE PAREDES, M.D., M.P.H., DR.P.H.
First Vice-President: FRANCISCO J. MORALES, B.S., C.E.
Second Vice-President: Dr. ALFREDO MELHADO, CH.E., M.D.
Third Vice-President: ALFONSO TEJEIRA, B.S.A., now Vice-Minister of Industry and Commerce.
Treasurer: MIGUEL O. AMADO, B.S.
Publications: *Boletín, Lecturas Científicas.*

Academia Panameña de la Historia (*Panama Academy of History*): Apdo. 973; f. 1921; Pres. ERNESTO J. CASTILLERO; Sec. JUAN ANTONIO SUSTO; publ. *Boletín.*

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Comisión Nacional de Arqueología y Monumentos Históricos: f. 1946; Pres. REINA TORRES DE ARAÚZ; Sec. DEMETRIO TORAL.

Gorgas Memorial Laboratory of Tropical and Preventive Medicien: Avda. Justo Arosemena 35-39, Panama City; f. 1929; Dir. Dr. CARL M. JOHNSON; Exec. Officer J. A. TARTÉ.

Sociedad Bolivariana de Panamá (*Bolivar Society of Panama*).

U.S. Information Center: 35-02 Avda. Central.

LIBRARIES

Panama City

Archivo Nacional: Apdo. 3461; f. 1929; Dir. ENRIQUE J. SOSA.

Biblioteca de la Dirección de Estadística y Censo: Apdo. 5213; f. 1949; 18,100 vols.; Librarian IRIS V. DE ESPINOSA.

Biblioteca Nacional (*National Library*): Apdo. 3435; f. 1892 as Biblioteca Colón, reorganised as Biblioteca Nacional 1942; 156,000 vols. (including bound reviews and periodicals); Dir. Lic. ANA MARÍA JAÉN J.

Biblioteca de la Universidad de Panamá (*University Library*): Apdo. 3277; f. 1935; 110,000 vols., including 34,000 vols. in medical library; maintains contact with more than 300 institutions; Dir. CARMEN D. DE HERRERA.

Biblioteca del Laboratorio Conmemorativo Gorgas (*Gorgas Memorial Laboratory Library*): Box 2016, Balboa Heights; 5,000 vols., mainly in medicine and related fields; Dir. Lic. MANUEL VÍCTOR DE LAS CASAS.

Biblioteca Amador-Washington (*United States Information Library*): Box 1099, Panama City; f. 1964; 10,000 vols.; Acting Librarian HOODMY EYNAR SAMUDIO V.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): Palacio de la Cancillería, Plaza de Cervantes; f. 1904; 5,000 vols.; Dir. MANUEL JOSÉ BATISTA.

Biblioteca del Instituto Nacional (*Library of the National Institute*): 50,000 vols.

MUSEUM

Museo Nacional de Panamá (*National Museum*): Avda. Cuba y Calle 30 No. 29-30, Apdo. 662; f. 1925; sections of natural history, archæology, ethnology, history; includes collections of gold, ceramic and stone objects discovered in native tombs; Dir. Prof. ALEJANDRO MÉNDEZ.

UNIVERSITY

UNIVERSIDAD DE PANAMÁ

APARTADO 3277, PANAMA CITY
Telephone: 3-0210
Founded 1935

Rector: Dr. BERNARDO LOMBARDO.
General Secretary: DIÓGENES A. AROSEMA G.
Number of teachers: 156.
Number of students (men and women): 5,680.
Publications: *Revista Universidad, Estadística Universitaria.*

DEANS:

Faculty of Philosophy, Letters and Education: RAFAEL E. MOSCOTE.
Faculty of Law and Political Sciences: DULIO ARROYO.
Faculty of Science: BERNARDO LOMBARDO.
Faculty of Medicine: ANTONIO GONZÁLEZ REVILLA, M.D.
Faculty of Engineering: Ing. ALBERTO DE SAINT MALO.
Faculty of Public Administration and Commerce: Dra. GEORGINA JIMÉNEZ DE LÓPEZ.
Faculty of Architecture: RICARDO J. BERMÚDEZ.

PROFESSORS:

Faculty of Philosophy, Letters and Education:
ARAÚZ, REINA TORRES DE (Anthropology).
BARRANCO, RAFAEL (English).
BATISTA, XENIA (Social Education).
BRANDAO, ZORAIDA (Education).
CANTON, ALFREDO (Education).
CARDOZE, NYDIA (Geography).
COHEN, PEDRO (English).
CÓRDOVA, GERADO (Social Development).
DE LEÓN, OVIDIO (Psychology).
DE LEÓN, RAGUEL (Geography).
DE ROUX, RAÚL (Spanish Literature).
DÍAZ, TOBÍAS (Philosophy).
DOMÍNGUEZ, DIEGO (Philosophy).
FERRER VALDÉS, MANUEL (Anatomy, Bromatology).
FÍSCHMANN, ZDEÑKA (Music).
GARAY, MANUEL (French).
GARCÍA, ISMAEL (Spanish Language and Literature).
GASTEAZORO, CARLOS (History).
GÓMEZ, VÍCTOR (Psychology).
ISAZA C., BALTÁSAR (Spanish Literature).
MARTÍN, MIGUEL A. (History).
MEJÍA D., MIGUEL (Spanish).
MIRÓ, RODRIGO (Spanish).
MOSCOTE, RAFAEL E. (Social Development).
PINILLA, JULIO (Latin).
RENDOLL GÓMEZ, OSCAR (Physical Education).
RINA VILLAVERDE (History).
RITTER, EDUARDO (Philosophy).
ROJAS, ALFONSO (Physical Education).
RUBIO, ANGEL (Geography).
RUIZ, ENRIQUE (History of Art).
SAEZ, ROSALINA (English).
SOUERS, JAENNE (English).
SUMAN, OSCAR (Physical Education).
SURGEON, HELENA (English).
VELÁSQUEZ, FEDERICO A. (Education).

Faculty of Law and Political Sciences:
ARROYO, DULIO (Civil Law).
BENEDETTI, ELOY (Law).
CANO LLOPIS, MANUEL (Civil and Labour Law).
CHANIS, ROLANDO (Forensic Medicine).
DE LEÓN, VÍCTOR A. (Procedural Law).
FÁBREGA, JOSÉ ISAAC (Political Science).
GARAY P., NARCISO E. (Civil Law).
GÓRRIZ, MARIANO (Forensic Psychiatry).
LINARES, JULIO (International Public Law).
LÓPEZ, GEORGINA JIMÉNEZ DE (Sociology).
NORIEGA, JOSÉ A. (Administrative Law).
OZORES Q., RENATO (Law).
PEREIRA, CÉSAR (Roman Law).
RODRÍGUEZ ARIAS, LINO (Philosophy of Law).
VÁSQUEZ, PUBLIO A. (Criminology, Penal Law).

Faculty of Science:
AVERZA, JERÓNIMO (Pharmacy).
CAMACHO, ISAIAS (Chemistry).
COLAMARCO, AGUSTÍN (Mathematics).
ENSEÑAT, ENRIQUE (Agriculture).
FERNÁNDEZ U., VICENTE (Bacteriology, Parasitology).
GÁLVEZ, DELFÍN (Analytical Chemistry).
GRAETZ, ERICH (Physiology).
GUTIÉRREZ, JUAN J. (Chemistry).
LLAÑA, ALFREDO (Zoology).
LOMBARDO, BERNARDO, Jr. (Physics, Mathematics).
MARICHAL, CARLOS (General and Organic Chemistry).
MARTÍN, RAFAEL (Chemistry).
MARTINI, JOSÉ A. (Agriculture).
MÉNDEZ, ALEJANDRO (General Botany, Pharmaceutics).
MOCK, ANTONIO (Physics).
PRIETO, JULIO (Pharmacy).
RICHA, ERNESTO (Physics).
RIVERA C., NARIÑO (Mathematics).
SÁNCHEZ, CEFERINO (Pharmacy).
SOUSA, OCTAVIO (Embryology, Comparative Anatomy).

Faculty of Medicine:
ALFARO, LUIS D. (Orthopædics).
ALVARADO, ARTURO (Dermatology).
BENEDETTI, LEOPOLDO (Pediatrics).
BOYD, BENJAMÍN F. (Ophthalmology).
BURLANDO, ENRICO (Radiology).
CALERO, CARLOS (Hæmatology).
CALVO, ALBERTO (Public Health).
DE LA GUARDIA, JAIME (General Surgery).
FIGUEROA, ALFREDO (Urology).
GONZÁLEZ REVILLA, ANTONIO (Neurology).
GONZÁLEZ RUÍZ, BERNARDINO (Surgery).
HERRERA, JUAN MIGUEL (Histology and Pathology).
LAVERGNE, JULIO A. (Physiology, Hygiene).
MARIANO LAMELA (Pharmacology and Therapeutics).
MÉNDEZ P., GUSTAVO (Internal Medicine).
PRECIADO, MANUEL (Oto-Rhino-Larynology).
RODANICHE, ENID (Bacteriology and Parasitology).
ROGNONI, MARIO (Cardiology and Geriatrics).
YOUNG, RODOLFO (Phthisiology).

Faculty of Engineering:
ABADI, ISAAC (Soil Mechanics).
BERMÚDEZ, RICARDO J. (Architecture).
BRENES, RENÉ (Professional Practice, Drawing).
CEDEÑO, JUAN M. (Drawing and Painting).
DE ROUX, GUILLERMO (Architecture).
DE SAINT MALO, ALBERTO (Engineering).
DÍAZ, ROGELIO (History of Architecture).
GUARDIA, TOMÁS, Jr. (Engineering).
JULIAO, VÍCTOR M. (Engineering).
KIAMCO, IRENEO (Engineering).
LÓPEZ FÁBREGA, ROBERTO (Engineering).
MCKAY, JUAN B. (Building Equipment).
MÉNDEZ, ERASMO (Civil Engineering).
NORIEGA, JULIO (Reinforced Concrete).
RODRÍGUEZ, GUILLERMO (Engineering).
SAAVEDRA, RAMÓN (Astronomy, Mathematics).
URRUTIA, VÍCTOR (Thermodynamics, Electrical Engineering).

Faculty of Public Administration and Commerce:
ALFARO, ROGELIO (Business Administration).
AROSEMANA, DIÓGENES A.
CARLES, RUBÉN D., Jr. (Economics).
CLARE, EMILIO (Economics).
ESCOBAR, ERASMO.
LASSO DE LA VEGA, JAVIER (Public Finance).
MAYORGA, DAPHNE (Social Service).
MÉNDEZ G., MANUEL.
MONTERREY, JUAN (Accountancy).
NAVARRO, MARITZA L. DE (Social Service).
PAREDES, RIGOBERTO.
PÉREZ, CAMILO (Political Science).
QUINTERO, CÉSAR A. (Politics).
RODRÍGUEZ, LUZ ENEIDA.
SOGANDARES, LUCILA (Social Service).
TEJADA, GUSTAVO (Economics).
VALDÉS, ELSA G. (Social Assistance).
VÁSQUEZ, BRAULIO (Accountancy).
VELARDE, CARLOS (Economics).

Faculty of Architecture:
BERMÚDEZ, RICARDO J. (Architecture).
BRENES, RENÉ (Professional Practice, Drawing).
CEDEÑO, JUAN M. (Drawing and Painting).
DE ROUX, GUILLERMO (Architecture).
DÍAZ, ROGELIO (History of Architecture).
LÓPEZ FÁBREGA, ROBERTO (Engineering).
PÉREZ, RAFAEL (Design).
RIBA, JORGE (Town Planning).
TORAL, DEMETRIO (Plastic Arts).
TRUJILLO, GUILLERMO (Drawing).

PANAMA CANAL ZONE

Canal Zone Library and Museum: Balboa Heights; f. 1914; 141,000 books, 100,000 additional items including pamphlets, periodicals, documents, MSS., microfilm, etc.; English and Spanish sections; Panama Collection, covering the Panama Railroad, the French Canal effort, and the Panama Canal; Dir. ELEANOR D. BURNHAM.

Gorgas Hospital Medical Library: P.O. Box 503, Balboa Heights; Canal Zone; f. 1914; 18,400 vols.; Librarian VÍRGINIA STICH.

PARAGUAY

Population 1,800,000

ACADEMIES

Asunción

Academia Paraguaya (*Paraguayan Academy*): 14th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; publ. *Anales*.

Honorary President: JUAN E. O'LEARY.

President: LUIS DE GÁSPERI.

Vice-President: ANSELMO JOVER PERALTA.

Secretary: LUIS A. LEZCANO.

Secretary: ROQUE GAONA.

Treasurer: MARCO ANTONIO LACONICH.

Academic Council: JULIO CÉSAR CHAVES, H. SÁNCHEZ QUELL, CARLOS R. CENTURIÓN, OSVALDO CHAVES, MANUEL RIQUELME, GUSTAVO GONZÁLEZ.

MEMBERS:

JUAN STEFANICH.
JUSTO PASTOR BENÍTEZ.
PABLO MAX ISFRÁN.
JUAN NATALICIO GONZÁLEZ.
CONCEPCIÓN LEYES DE CHAVES.
JUSTO P. PRIETO.
TERESA LAMAS DE RODRÍGUEZ ALCALÁ.
LUIS RUFFINELLI.
EFRAÍN CARDOZO.
RAÚL SAPENA PASTOR.
EZEQUIEL GONZÁLEZ ALSINA.
JOSÉ CONCEPCIÓN ORTIZ.

Academia de la Lengua y Cultura Guaraní: Calle Azará 538; f. 1942; Pres. GUILLERMO TELL BERTONI; Sec. ROQUE CENTURIÓN MIRANDA; publ. *Revista*.

Academia Paraguaya de Ciencias Históricas, Políticas y Sociales: 15 de Agosto, 410; Pres. BENIGNO RIQUELME GARCÍA; publ. *Boletín Bibliográfico Paraguayo, Revista Nacional de Cultura*.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Asunción

Asociación Indigenista del Paraguay: Alberdi 709; Pres. JUAN BELAISFF; Sec. AGUSTÍN DUARTE.

Centro Cultural Paraguayo-Americano: Calle España 494; f. 1942; 6,677 vols. in library; Librarian MARÍA DEL CARMEN PÉREZ.

Centro de Estudios Antropológicos del Paraguay: 18 y 3ª (Sajonia); f. 1950; Pres. Cnel. RAMÓN CÉSAR BEJARANO.

Centro Paraguayo de Ingenieros: Pte. Eligio Ayala esq. Yegros, Casilla 336; f. 1954.

Deutsch-Paraguayisches Kulturinstut (*German-Paraguayan Culture Institute*): Coronel Bogado 424.

Instituto Nacional de Física y Química: P.O. Box 1141; f. 1957.

Instituto Geográfico Militar: Calle 27 y Avda. Carlos Antonio López; Dir. FRANCISCO VEGA GAONA; Sec. ANTONIO L. GONZÁLEZ ROJAS.

Instituto Nacional de Parasitología (*National Institute of Parasitology*): Dir. Dr. R. URIZAR; publ. *Anales*.

Instituto de Numismática y Antigüedades del Paraguay: Calle 25 de Noviembre, 436; f. 1943; Dir. RAMÓN LARA CASTRO; publ. *Memoria* (yearly).

Instituto Paraguayo de Investigaciones Históricas: Calle 25 de Noviembre, 436; f. 1937.

Jardín Botánico y Museo de Historia Natural (*Botanical Gardens and Natural History Museum*): f. 1914; Dir. Ing. GILDO INSFRÁN GUERROS; herbarium, zoological garden and museum, bacteriological laboratory, agricultural experimental station; publ. *Revista*.

Laboratorio de Biología (*Biological Laboratory*): Dir. L. E. MIGONE.

Servicio Técnico Interamericano de Co-operación Agrícola: Casilla de Correo 819; f. 1943; 10,000 vols.; Librarian LUCILA M. I. CARDUS.

Sociedad Científica del Paraguay (*Paraguayan Scientific Society*): Avenida España 505; f. 1921; Pres. Dr. ANDRÉS BARBERO; Sec. G. TELL BERTONI; 80 mems.; publs. *Revista*, pamphlets.

Sociedad de Pediatría y Puericultura del Paraguay (*Pædiatrics and Child Welfare Society*): 25 de Mayo y Tacuaí; f. 1928; 28 mems.; Pres. Dr. GUIDO RODRÍGUEZ ALCALÁ; Sec. Dr. GUSTAVO A. RIART; publ. *Revista Médica del Paraguay*.

Unión Sudamericana de Asociaciones de Ingenieros (USAI) (*South American Union of Engineers' Associations*): Head Office: Casilla de Correos, 336, Asunción; f. 1935; mem. countries: Argentina, Bolivia, Brazil, Chile, Colombia, Ecuador, Paraguay, Peru, Uruguay and Venezuela; Dir. and Pres. Ing. CARLOS ESPINOZA MACIEL; Sec. Ing. HERMANN BAUMANN.

LIBRARIES AND ARCHIVES

Asunción

Biblioteca, Museo y Archivo Nacionales: Mariscal Estigarriba 93; f. 1869; 44,000 vols.; Librarian TERESA AMIGÓ R.

Government Library:

Biblioteca y Archivo del Ministerio de Relaciones Exteriores y Culto (*Library of the Ministry of Foreign Affairs*).

Biblioteca Americana (*American Library*): attached to the Godoi Museum.

Biblioteca del Museo de Historia Natural y Etnografía (*Library of the Museum of Natural History and Ethnography*): Avenida España 505; 29,230 vols.; 47,200 pamphlets on natural sciences and medicine.

Biblioteca de la Sociedad Científica del Paraguay (*Library of Paraguayan Scientific Society*): Avenida España 505; f. 1921; 29,300 vols. on science; ***Flora brasiliensis*** by Martins, first edition.

MUSEUMS

Asunción

Museo Nacional de Bellas Artes y Antigüedades: Calle Presidente Franco esq. a Juan E. O' Leary; f. 1887; the paintings and sculpture of Juan Silvano Godoy form the basis of the collection; Dir. JOSÉ LATERZA PARODI.

Museo de Historia Natural y Etnografía (*Museum of Natural History and Ethnography*): Avenida España 505; f. 1921; Dir. Dr. ANDRÉS BARBERO; valuable collections of Guaraní archæological objects (3,200 exhibits).

Museo Histórico Militar (*Museum of Military History*): Av. Mariscal López esquina Vice Pte. Sánchez; recent war collections; Dir. MANUEL WENCESLAO CHAVES.

Trinidad

Museo Botánico y Zoológico (*Botanical and Zoological Museum*): Jardín Botánico y Zoológico; f. 1914; Dir. JOSÉ D. SAMANIEGO G.

UNIVERSITIES AND COLLEGES

UNIVERSIDAD CATÓLICA "NUESTRA SEÑORA DE LA ASUNCIÓN"

INDEPENDENCIA NACIONAL Y COMUNEROS

Telephone: 1044

Founded 1960

Chancellor: Most Rev. Mons. ANÍBAL MENA PORTA, Archbishop of Asunción.
Rector: Mons. Dr. JUAN MOLEÓN ANDREU.
Vice-Rector: Dr. MARIO LUIS DE 'FINIS.
Librarian: (Vacant).

Number of professors: 250.
Number of students: 1,800.
Publications: *Centro, Dimensión* (monthly).

DEANS:

Faculty of Juridical, Political and Social Sciences: Dr. RAMIRO RODRÍGUEZ ALCALÁ.

Faculty of Philosophy and Educational Science: R.P. Dr. FERNANDO MARÍA MORENO, S.J.

Faculty of Accountancy and Administration: Dr. JUAN ANTONIO GALEANO.

Faculty of Social Service and Nursing: Mons. Dr. JUAN MOLEÓN ANDREU.

INSTITUTES

Instituto Superior de Contabilidad y Administración (*Higher Institute of Accountancy and Administration*).
Director: Dr. FRANCISCO ESCULIES.

Instituto Universitario de Educación Familiar (*University Institute of Family Education*).
Director: R.M. Lic. ASUNCIÓN ABADÍA, S.T.J.

Instituto Superior de Ciencias de la Religión (*Higher Institute of Religious Sciences*).
Director: R.P. Dr. FERNANDO MARÍA MORENO, S.J.

UNIVERSIDAD NACIONAL DE ASUNCIÓN

COLÓN 63, ASUNCIÓN

Telephone: 4056

Founded 1890

Rector: Dr. CRISPÍN INSAURRALDE.
Secretary-General: ANTONIO MASSULLI FÚSTER.

Number of teachers: 500.
Number of students: 3,500.

DEANS:

Faculty of Law and Social Science: JUSTO PUCHETA ORTEGA.
Faculty of Medicine: ALFREDO AYALA HAEDO.
Faculty of Physics and Mathematics: PASTOR GÓMEZ.
Faculty of Economics: HERMÓGENES GONZÁLEZ MAYA.
Faculty of Odontology: EDUARDO RUIZ PERALTA.
Faculty of Chemistry and Pharmacy: JOSÉ DANILO PECCI.
Faculty of Philosophy: CARLOS ALVAREZ.
Faculty of Agriculture and Veterinary Medicine: LUIS A. NERY HUERTA.
Faculty of Architecture: JUAN CÁMERON.

INSTITUTO DE CIENCIAS DE LA UNIVERSIDAD NACIONAL DE ASUNCIÓN

P.O. BOX 1141, ASUNCIÓN

Founded 1961

Director: ANTONIO MASULLI FÚSTER.

Departments of Physics, Chemistry, Mathematics, Biology and Geology.
Number of students: 250.

ESCUELA NACIONAL DE AGRICULTURA "MARISCAL ESTIGARRIBIA"

RUTA A. SAN LORENZO, ASUNCIÓN

ESCUELA SUPERIOR DE FILOSOFÍA, CIENCIAS Y EDUCACIÓN

CALLE ELIGIO AYALA 128, ASUNCIÓN

Founded 1944

Departments: Chemistry, Education, Philosophy and Letters, Physical Science and Mathematics, Natural Sciences, Social Sciences, Medicine, Economics, Architecture, Pharmacy, Odontology, Agronomy, Public Administration, Fine Arts.

PERU

Population 11,675,000

ACADEMIES

Lima

Academia Peruana (*Peruvian Academy*): the Peruvian Academy is 7th in order of foundation in Spanish America; correspondent of the Real Academia Española, Madrid; publ. *Revista*.

Director: VÍCTOR ANDRÉS BELAUNDE.
Secretary: JOSÉ JIMÉNEZ BORJA.
Censor: OSCAR MIRÓ QUESADA.

MEMBERS:

JUAN BAUTISTA DE LAVALLE.
RUBÉN VARGAS UGARTE.
AURELIO MIRÓ QUESADA SOSA.
GUILLERMO HOYOS OSORES.
ENRIQUE LÓPEZ ALBÚJAR.
HONORIO F. DELGADO.
JORGE BASADRE.
MARIANO IBÉRICO RODRÍGUEZ.
FELIPE BARREDA Y LAOS.
ALBERTO J. URETA.
JOSÉ LUIS BUSTAMENTE Y RIVERO.
LUIS ALAYZA Y PAZ SOLDÁN.
RAFAEL DE LA FUENTE BENAVIDES.
ALBERTO ULLOA SOTOMAYOR.
CIRO ALEGRÍA.
HÉCTOR VELARDE.
ALBERTO WAGNER DE RAYNA.

Academia Nacional de Ciencias Exactas, Físicas y Naturales de Lima (*Lima Academy of Exact, Physical and Natural Sciences*): Casilla 1979; f. 1939; Pres. Dr. GODOFREDO GARCÍA; publ. *Actas*.

Academia Nacional de Medicina (*National Academy of Medicine*): Camaná 779; f. 1884; Pres. Dr. OSWALDO HERCELLES; Perm. Sec. Dr. JORGE VOTO BERNALES; 40 mems., 60 hon. mems.; (for publ. *see* Sociedad Peruana de Historia de la Medicina).

Academia de Estomatología del Perú (*Peruvian Academy of Stomatology*): Apartado 2467; f. 1929; Pres. Dr. JULIO BEGAZO SANZ; Sec. Dr. OSCAR DEL AGUILA; publ. *Boletín* (monthly).

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Lima

Alianza Francesa: Santa Catalina 109.

Asociación Cultural Peruano-Británica (*Peruvian-British Cultural Association*): Camaná 787; Apdo. 1608; f. 1936; library of 15,000 vols.; 1,100 mems.; Pres. WALDEMAR SCHRODER Y MENDOZA, C.B.E.; Dir. J. K. H. HARRIMAN, O.B.E. The Association is a Peruvian organisation supported by the British Council which sends out British executive officers to organise its activities under the direction of the Board of Governors; publ. Monthly Bulletin.

Asociación de Artistas Aficionados: Ica 323; f. 1938; Pres. ANTONIO TARNAWIECKI; 254 mems.; presentation of plays, classical ballet and varied music programmes.

Asociación Nacional de Escritores y Artistas (ANEA) (*Association of Writers and Artists*): Jirón de la Unión Belén 1054; Pres. Dr. PEDRO UGARTECHE.

Asociación Médica Peruana "Daniel A. Carrión" (*Peruvian Medical Association*): Jirón Ucayali 218; f. 1930; Dir. Dr. GILBERT MOREY S.; publ. *Revista Médica Peruana*.

Asociación Odontológica del Perú (*Odontological Association of Peru*): Lampa 306, Casilla Postal 2467; f. 1945; Pres. VÍCTOR A. CASAGRANDI; Sec.-Gen. V. RAÚL IPARRAGUIRRE; 200 mems.; publ. *Boletín* (trimensual).

Asociación Peruana de Archiveros (*Peruvian Association of Archivists*): Archivo Nacional del Perú, Palacio de Justicia, Apdo. 1802.

Asociación Peruana de Bibliotecarios (*Peruvian Association of Librarians*): General la Fuente 592, Lima, Apdo. 3760.

British Council, The (*El Consejo Británico*): Apdo. 1608; Rep. J. K. H. HARRIMAN, O.B.E.; the Council co-operates with the Asociación Cultural Peruano-Británica in Lima and Arequipa.

Centro Bolivariano del Perú (*Bolívar Centre of Peru*): Apartado Postal 2563; f. 1960; 69 mems., 33 hon. mems.; Pres. Dr. CARLOS A. BAMBARÉN; Sec. Dr. LEOPOLDO MEDRANO; affiliated centres at Trujillo, Cuzco, Puno and Cerro de Pasco.

Centro Nacional de Investigaciones de Patología Animal (*Research Institute of Animal Pathology*): Apartado 1128; f. 1911; 45 mems.; library of 1,857 vols.; Dir. Dr. JORGE OLIVARES C.; publ. *Revista del Centro Nacional de Patología Animal*.

Círculo Médico del Perú (*Peruvian Medical Group*): Plaza Exposición; f. 1883; publ. *La Crónica Médica*.

Comité Nacional de la Federación Dental Internacional (F.D.I.): Edificio Dall Orso, Plaza de San Martín 917; Sec. PEDRO AYLLÓN.

Comité Nacional de Protección a la Naturaleza (*Nature Preservation Committee*): Apdo. de correo 2615, Lima; f. 1940; Pres. Ing. CARLOS A. BARREDA; Sec. Dr. ALBERT A. GIESECKE; 22 mems.; 11 corresponding; publ. *Boletín*.

Consejo Peruano de la Federación Odontológica Latino-Americana (F.O.L.A.) (*Peruvian Council of Federation of Latin-American Dentists*): Edificio Dall Orso, Of. 208, Plaza de San Martín 917; Pres. Dr. PEDRO AYLLÓN.

Dirección General de Meteorología del Perú (*National Meteorological Service*): Avda. Arequipa 5200, Ap. 1308, Miraflores; f. 1928; 79 primary stations; Dir.-Gen. Maj.-Gen. FAP ROLANDO GERVASI B.; National Co-ordinator Maj. FAP JACOB DEL MAR CORREA; Head of Forecasting Maj. FAP JUAN LUMBRERAS C.; Head of Operations Capt. FAP JACOB DELMAR C.; Head of Climatology Capt. FAP HUGO GONZÁLEZ P.; publ. *Boletín* (annual).

Dirección Nacional de Estadística y Censos (*Statistics Office*): Edificio del Ministerio de Hacienda y Comercio, Avenida Abancay; comprises two offices: Oficina Central and Oficina Ejecutiva del Censo; and the following divisions:

Elaboration of Basic Statistics; Analysis of National Potential and Census, Economics; Dir. Dr. GREGORIO GARAYAR P.; publs. *Anuario Estadistico del Perú, Boletín de Estadística Peruana.*

Federación Médica Peruana (*Peruvian Medical Association*): Apdo. 4439; f. 1942; 1,230 mems.; Pres. Dr. VICENTE UBILLÚS; Sec. Dr. ENRIQUE FERNÁNDEZ V.; publ. *Boletín de la Federación Médica Peruana.*

Instituto Cultural Peruano-Norte Americano (*Peruvian-North American Cultural Institute*): Jirón Cuzco 446, calle Corcovado, Apdo. 304; f. 1938; branches in Miraflores and Callao; Dir. CONRAD S. SPOHNHOLZ; library of 18,000 vols.; 394 mems.; 6,497 students; publs. *Boletín, Quena.*

Instituto de Arte Peruano (*Institute of Peruvian Art*): Alfonso Ugarte 650; Dir. JOSÉ SABOGAL.

Instituto de Biología Andina (*Institute of Andean Biology*): Apartado 5073; f. 1930; affiliation of the Facultad de Medicina, San Marcos Univ.; Dir. Dr. TULIO VELÁSQUEZ; laboratories in Lima and Morococha, station in Huancayo; research on physioolgy of inhabitants of the Andes and their resistance to high altitudes, acclimatisation and fertility of animals taken to high altitudes with a view to industrial use, methods of hygiene, adaptive faculties of men at great heights, chronic mountain sickness and remedies, ecology and sociological problems.

Instituto de Estudios Etnológicos (*Institute of Ethnological Studies*): Alfonso Ugarte 650; Dir. Prof. JOSÉ M. ARGUEDAS.

Instituto de Historia Naval del Perú (*Institute of Peruvian Naval History*): f. 1949; Dir. Contralmirante V. CAREELEN.

Instituto de Investigaciones de Arte Peruano y Americano (*Research Institute of Peruvian and American Art*): Carabaya 133; f. 1943; Dir. Dr. RICARDO MARIÁTEGUI OLIVA.

Instituto de Urbanismo del Perú (*Institute of Town Planning*): Colmena 211, 4°; f. 1944; 69 mems.; Dir. Arq. LUIS ORTIZ DE ZEVALLOS.

Instituto Experimental de Educación Primaria No. 1: Barranco Av. Miraflores No. 200; f. 1940; to study systems and methods for the development of learning and the means to evaluate and control the results; library of scholastic texts; Dir. Prof. NARCISO GONZÁLEZ CH.; publ. *Boletín.*

Instituto Geofísico del Perú (*Geophysical Institute*): Apdo. 3747, Lima; f. 1919 as Huancayo Magnetic Observatory of the Carnegie Institute of Washington, transferred to the Peruvian Government 1947; observatories in Huancayo, Talara, Lima; co-operative agency with Ancon NASA Satellite Tracking Station, with Nat. Bur. of Standards Jicamarca Radar Scatter Station and with Smithsonian Institute Arequipa Optical Tracking Station; Chair. of Dir. Cttee. Dr. JORGE A. BROGGI; Technical Dir. ALBERTO A. GIESECKE, Jr.; publs. magnetic, ionospheric and meteorological data, seismological bulletin, miscellaneous geophysical reports, including cosmic-ray and sunspot work.

Instituto Geográfico Militar (*Institute of Military Geography*): Apdo. 2038, Lima; Dir. Col. LUIS F. MONTEZUMA DELFIN; publishes topographical, physical and political maps of Peru on various scales.

Instituto Histórico del Perú (*Peruvian Historical Institute*): f. 1905; library of 4,000 vols.; 28 mems.; publ. *Revista.*

Instituto Indigenista Peruano (*Peruvian Institute of Indian Affairs*): Avenida Salaverry, 4° piso; f. 1947; Dir. Dr. CARLOS MONGE MEDRANO; Sec.-Gen. Dr. MANUEL D. VELASCO NÚÑEZ; publs. *Perú-Indigena* (twice-yearly), *Perú Integral* (irregular).

Instituto Nacional de Investigación y Fomento Mineros (*National Institute of Mining Research and Development*): Apartado 869; the Institute was formed in 1950 by the amalgamation of the *Cuerpo de Ingenieros de Minas* with the *Instituto Geológico del Perú*; reorganised 1954; library and museum; *Divisions:* Mines and Metallurgy, Geology of Mining, Statistics and Economics of Mining, Surveying; *Laboratories:* Chemistry, Microscopy, Spectrography; plants for the concentration and refining of minerals; Dir. Ing. LUCIO AGUILAR CONDEMARÍN; publ. *Boletín* (bi-monthly).

Instituto Peruano de Cultura Hispánica (*Peruvian Institute of Hispanic Culture*): Jirón Ica 426; f. 1947; 300 mems.; Dir. MANUEL MUJICA GALLO; publ. *Boletín.*

Instituto Peruano de Estadística (*Peruvian Institute of Statistics*): f. 1943; 120 mems.; Pres. Dr. TEOBALDO UGARTE; Sec. Dr. ROSENDE CHIRINOS; publ. *Revista de Estadística Peruana* (quarterly).

Instituto Peruano de Investigaciones Genealógicas (*Institute for Genealogical Research*): Santa Luisa 205, San Isidro; f. 1945; 45 mems.; Pres. JORGE FERNÁNDEZ STOLL; Sec.-Gen. and Treas. EMILIO OLIVARES VALLE-RIESTRA; publ. *Revista.*

Instituto Psicopedagógico Nacional: Apdo. 636; f. 1942; Dir. MODESTO RODRIGUEZ.

Instituto Sanmartiniano del Perú (*San Martin Institute of Perú*): Plaza Bolognesi 467; f. 1935; 1,000 mems.; Pres. Dr. RICARDO CAVERO-EGUSQUIZA; publ. *Revista.*

Instituto Vizcardo de Estudios Históricos (*Vizcardan Institute of Historical Studies*): Porta 540, Miraflores; f. 1954; Dir. CÉSAR GARCÍA ROSELL; publ. *Revista.*

International P.E.N. Centre (*Centro del P.E.N. Internacional*): Apdo. 1161; f. 1940; 25 mems.; Pres. Dr. JOSÉ GÁLVEZ; Sec. FERNANDO ROMERO.

Istituto Italiano di Cultura (*Italian Cultural Institute*): Jirón Ica, 426, Lima; Dir. Dr. GAETANO FORESTA.

Junta de Control de Energía Atómica (*Atomic Energy Control Committee*): Apartado 914, Espinar 250, San Miguel; f. 1955; research into peaceful uses of nuclear energy in medicine, biology, agriculture and industry, and the control and prospecting for radioactive materials; Pres. Dr. ENRIQUE MONGE GORDILLO, Vice-Pres. MANUEL MORÁN MARQUÉS; delegates from Armed Forces, Ministries of Finance, Development, Agriculture and Public Health; library of 3,000 vols.; publ. *Boletín de Informaciones* (quarterly).

Liga Nacional de Higiene y Profilaxia Social (*National League of Hygiene and Social Medicine*): Apdo. 2563; f. 1923; 145 mems.; 37 foreign corresp. mems.; Pres. Dr. CARLOS A. BAMBARÉN; Sec. SUSANA SOLANO; publs. *Día Antivenéreo, Jornada Peruana Antivenérea.*

Servicio de Investigación y Promoción Agraria (*Agricultural Research and Advancement Service*): Estación Experimental de la Molina, Apdo. 2791; f. 1927; library of 32,000 vols.; Dir. Ing. Agr. REYNALDO A. CRESPO COSTA; Technical Sec. Ing. Agr. ALFONSO QUEVEDO; Technical staff 46; publs. *Serie de Experimentación, Serie de Boletín Técnico, Serie de Divulgación para los Agricultores, Boletín de Biblioteca.*

Sociedad de Bellas Artes del Perú (*Society of Fine Arts*). Apartado 568; Pres. LUIS M. UGARTE SALAZAR.

Sociedad de Ingenieros del Perú (*Society of Peruvian Engineers*): Av. N. de Piérola 788, Casilla 1314; library of 15,000 vols.; Sec. Ing. ADOLFO BUSTAMANTE T.; publ. *Ingenería* (three a year).

Sociadad Geográfica de Lima (*Lima Geographical Society*): Jirón Puno 456, Apdo. 1176; f. 1888; library of 20,000 vols.; 500 mems.; including corresp. and hon.; Dir. Dr. EMILIO ROMERO; publs. *Boletín, Anuario Geográfico del Perú, Bibliografía Geográfica y Oceanográfica del Perú, Diccionario Geográfica del Perú.*

Sociedad Geológica del Perú (*Peruvian Geological Society*): Apdo. 2559; f. 1924; library of 7,550 vols.; 380 mems.;

Pres. Dr. GEORG PETERSEN; Sec. ALEJANDER CHALCO; publ. *Boletín* (annually).

Sociedad Nacional Agraria (*National Agricultural Society*): A. Miró Quesada 327-341, Lima, Apdo. 350; f. 1824; Pres. AUGUSTO COSTA ELICE; First Vice-Pres. GUSTAVO ASPILLAGA; Second Vice-Pres. ENRIQUE CARRILLO A.; Treas. LUIS PICASSO P.; Man. CARLOS DERTEANO U.; 50 Dirs., 14 Perm. Cttees. and 1 Arbitration Tribunal; cotton, sugar, grapes and wine, rice, seeds, potato products, other crops, stock farming, economics, coffee, plants; 107 Local Comms., 9,258 mems.; publs. *Boletín* (monthly), *La Hoja Agrícola* (bi-monthly), *Memoria Anual*.

Sociedad Nacional de Minería: Plaza San Martín 917.

Sociedad Peruana de Alergia: Av. de la Colmena 216; Pres. Dr. ALBERTO FLORES.

Sociedad Peruana de Derecho Internacional: Portal de Belén 166.

Sociedad Peruana de Eugenesia (*Peruvian Society of Eugenics*): Apdo. 2563; f. 1943; 104 mems., 42 foreign corresp. mems.; Pres. Dr. CARLOS A. BAMBARÉN; Sec. Dr. ENRIQUE M. GAMIO; publ. *Jornada Peruana de Eugenesia*.

Sociedad Peruana de Historia de la Medicina (*Peruvian Society of History of Medicine*): Apdo. 987; f. 1939; library and museum, primarily Peruvian collections; lectures and exhibitions of public interest; 80 mems., 30 hon. mems.; Pres. Dr. CARLOS E. PAZ SOLDÁN; Sec. Dr. J. B. LASTRES; publ. *Anales*.

Sociedad Peruana de Tisiología y Enfermedades Respiratorias (*Peruvian Phthisiological Society*): Calle Raymondi 2a, Cuadra, La Victoria; f. 1935; 180 mems; Pres. RAMÓN VARGAS MACHUCA, Sec. JORGE PRADO; publ. *Revista Peruana de Tuberculosis y Enfermedades Respiratorias* (twice yearly).

Sociedad Química del Perú (*Peruvian Chemistry Society*): Carabaya 607, Apdo. 891; f. 1933; 400 mems.; library of 5,000 vols.; Pres. Ing. ALEJANDRO FREYRE; Vice-Pres. GASTÓN PONS MUZZO; Sec. Gen. Dr. JUAN DE DIOS GUEVARA; Librarian Dra. BERTHA PAREJA; publ. *Boletín* (quarterly).

Lambayequr

Estación Experimental Agrícola del Norte (*Northern Agricultural Experimental Station*): Atahualpa No. 211; f. 1927, reorganised 1941; Pres. POMPEY CONTRERAS MONTENEGRO.

La Punta

Instituto del Mar del Perú (*Peruvian Marine Institute*): Av. Bolognesi 24, La Punta, Callao; f. 1964; formerly Instituto de Investigación de los Recursos Marinos; 95 mems.; library of 8,000 vols.; Dir. Capt. (Retd.) ALFREDO V. FREYRE V.; publs. *Informes* and *Boletines*.

Tingo María

Centro Regional de Investigación y Experimentación Agropecuaria Tropical de Tulumayo (*Tulumayo Regional Tropical Livestock Research Centre*): Apartado 78, Tingo María; f. 1942 as Estación Experimental Agrícola en Tingo María; under Servicio de Investigación y Promoción Agraria; library of 2,040 vols.; Acting Dir. JOSÉ A. BURGOS L.; technical staff of 15; publs. *Informe Anual*, *Boletín*.

LIBRARIES AND ARCHIVES

Comisión de Bibliotecas Populares del Secretariado de Prensa de la Acción Católica Peruana (*Commission of People's Libraries, Press Office of Catholic Action of Peru*): Lima; f. 1938; Pres. Dr. PEDRO BENVENUTTO M.; has two Bibliotecas Populares "Inca Garcilaso", one in Barrio Obrero del Puente del Ejército, the other at Avda. San Martín 490.

Lima

Archivo Nacional del Perú (*National Archives*): Palacio de Justicia, Calle Manuel Cuadros, Apdo. 1802; f. 1923; two sections, Notarial-Judicial and Historical; Dir. Dr. OSCAR MALCA OLGUÍN; publ. *Revista*.

Biblioteca Nacional (*National Library*): Avenida Abancay, Apdo. 2335; founded in 1821 by the Libertador General José de San Martín; burnt down in 1943, re-opened October 1947, includes the National School of Librarians; staff 195. Possesses copies of the first printed works in Peru and the Americas; 500,000 vols., 180,000 MSS., 5,000 maps, 4,000 music scores, 6,000 photographs; Dir. Dr. CARLOS CUETO FERNANDINI; publs. *Boletín*, *Anuario Bibliográfico Peruana*, *Memoria Anual*, *Boletín de la Biblioteca Nacional*.

Biblioteca Central de la Pontificia Universidad Nacional Católica del Perú: Lartiga 459; Apdo. 1761; 35,000 vols.; Dir. Dr. PEDRO RODRÍGUEZ CRESPO.

Biblioteca Central de la Universidad Nacional Mayor de San Marcos (*San Marcos National University General Library*): Apdo. 454; f. 16th century; the collection corresponding to the colonial period was incorporated in the *Biblioteca Pública*—now the *Biblioteca Nacional*—when the latter was founded in 1821; the Peruvian Section has valuable material on history, law, and literature; Dir. Dr. MANUEL GARCÍA-CALDERÓN; 120,000 vols.; publ. *Boletín Bibliográfico* (annual).

Biblioteca Central del Ministerio de Educación Pública (*Central Library of the Ministry of Education*): f. 1957; 11,000 vols.; Librarian LUISA VERGARA.

Biblioteca de los Escritores del Perú (*Peruvian Writers' Library*): Jirón de la Unión, Belén 1054, Lima.

Biblioteca del Club Arequipa (*Arequipa Club Library*): Ejercicios 105-105A, Casilla 16; f. 1871; Dir. MIGUEL ANGEL CORNEJO CHÁVEZ; 7,500 vols.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): Palacio Torre-Tagle; f. 1921; 12,351 vols.; Dir. MANUEL G. GALDO; publ. *Maris Aestus*.

Biblioteca de la Universidad Nacional de Ingeniería: Apdo. 1301; 29,000 vols.; Librarian JUANA PAREJA.

Biblioteca Española "Luis Albizuri" (*Spanish Library*): Spanish Consulate, Apdo. 641; f. 1932; 6,000 vols.

Biblioteca Municipal de Lima: Apdo. 1232; f. 1935; 16,000 vols.; Librarian LUIS F. MÁLAGA.

Arequipa

Biblioteca Pública Municipal de Arequipa: Ejercicios No. 310, Apdo. 435; f. 1879; 28,000 vols.; Librarian ENRIQUE ALZÁGARA BALLÓN; also houses **Casa de la Cultura.**

Biblioteca de la Universidad Nacional de San Agustín: Apdo. 23; f. 1900; 22,259 vols.; Dir. PEDRO ARENAS Y ARANDA.

Callao

Biblioteca de la Escuela Naval del Perú (*Naval School Library*): f. 1914; Librarian C. DE C. HUMBERTE SILVA NOVOA; specialised library of 3,000 vols.

Biblioteca Pública Municipal Piloto: Esq. Ruiz y Colón; f. 1936, reorganised 1957; 22,465 vols.; Dir. MARÍA ANTONIETTA BALLÓN.

Cuzco

Biblioteca Central, Universidad Nacional del Cuzco: Apdo. 167; f. 1696; 52,000 vols.; Dir. RAFAEL YÉPEZ LA ROSA.

MUSEUMS

Lima

COMMISSIONS

Consejo Nacional de Conservación y Restauración de Monumentos Históricos y Artísticos (*National Council for the Preservation and Restoration of Historic and Artistic Monuments*): Quinta de Presa-Jirón Chira 344, RIMAC, Lima; f. 1939; Pres. Arq. ALFONSO ESTREMANDOYRO; publ. regulations and leaflets on monuments and their preservation.

Patronato Nacional de Arqueología (*State Department of Archæology*): 11° piso del edificio del Ministerio de Educación Pública, Lima; for the protection and conservation of the archæology of the country.

Museo Arqueológico "Rafael Larco Herrera" (*Archæological Museum*): Avenida Bolivar 1515, Pueblo Libre, Lima; f. 1926; library of 10,000 vols.; Curator CLAUDIO HUARACHE; Dir. RAFAEL LARGO HOYLE, author of *Los Mochicas*, *Los Epocas Peruanos*, etc., and monographs on Cupisnique, Virú, Salinar, and Mochica cultures, Peruvian and Mochica writings on "pallares", that is, secret messages written on the flat faces of large beans; 37,000 exhibits of ceramics, 50,000 of gold, silver, copper, lead, wood, stone objects, textiles, etc.; exhibits relating to the above cultures, discovered by the Director, include the Chimú gold apparel and the portrait heads; largest collection of Peruvian antiques in the world.

Museo de Arte (*Museum of Art*): Paseo Colón, 125; inaugurated in its present form in 1961; 10,000 exhibits of Peruvian art from its origins to the present day; Pre-Hispanic Epoch: ceramics, carvings, Paracas woven material dating from 400 B.C.; Colonial Epoch: furniture, ornaments, paintings, religious art; Modern Epoch: furniture and paintings from the 19th century to the present day; Dir. FRANCISCO STASTNY.

Museo de Arte Italiano: Parque Neptuno; f. 1921; statues, paintings; Curator CARLOS LÓPEZ ARRESE.

Museo de Historia Natural "Javier Prado" (*"Javier Prado" Natural History Museum*): Universidad Mayor de San Marcos, Av. Arenales 1256, Apdo. 1109; f. 1918. library of 5,000 vols.; Dir. Dr. RAMÓN FERREYRA H.; publ. *Serie "A" Zoología, Serie "B" Botánica, Serie "C" Geología y Memorias*.

Museo de Yacimientos Minerales y Metalíferos de la Escuela Nacional de Ingenieros (*Museum of Mineral and Metallic Deposits of the National School of Engineering*): f. 1891; Dir. Prof. J. F. AGUILAR-REVOREDO.

Museo de la Cultura Peruana (*Museum of Peruvian Culture*): Avda. Alfonso Ugarte 650, Apdo. 3048; f. 1946; library of 5,000 vols.; Dir. Dr. LUIS E. VALCARCEL.

Museo de la República: Plaza Bolivar-Pueblo Libre; f. 1924; the collection comprises items relating to the Independence and the Republic, especially collections associated with Simón Bolívar; Curator EVARISTO CHUMPITAZ.

Museo del Instituto Nacional de Investigación y Fomento Mineros del Ministerio de Fomento y Obras Públicas (*Museum of the National Institute of Mining Research and Development*): Camilo Carrillo 300; Dir. DIMITRY KARATEEFF.

Museo del Virreinato (*Museum of the Viceroys*): Quinta de Presa; f. 1935; exhibits relating to the period of the Spanish Viceroys; Dir. JOSÉ FLORES ARAOS; publ. *Revista*.

Museo Geológico de la Universidad Nacional de Ingeniería del Perú (*Geological Museum of the National University of Engineering*): Camino Ancón; incorporates the Raymondi collections; Dir. Ing. ALEJANDRO FREYRE V.; publ. catalogues.

Museo Nacional de Antropología y Arqueología (*Anthropological and Archæological Museum*): Pueblo Libre; f. 1938; collection contains Inca remains; Dir. Dr. JORGE C. MUELLE; Sec. JUAN ALVAREZ SAURI; publs. *Revista del Museo Nacional de Antropología y Arqueología, Arqueológicas*.

Museo Nacional de Historia (*National Historical Museum*): Avda. Alfonso Ugarte 650; f. 1906; popular art; Dir. Dr. FERNANDO SILVA ESTEBAN; publ. *Revista*.

Museo Postal, Filatélico y Numismático del Perú (*Postal, Philatelic and Numismatic Museum*): Palacio de la Exposición; Dir. VÍCTOR CHÁVEZ ZAMUDIO.

Ancash

Museo Arqueológico de Ancash (*Archæological Museum*): f. 1936; Dir. Dr. AUGUSTO SORIANO INFANTE; 3,100 exhibits including 400 stone carvings and megalithic statues from Huarás; publ. *Memoria*, small library.

Arequipa

Museo de Cayma (*State Museum*): archæological, ethnological, historical.

Ayacucho

Museo Histórico Regional de Ayacucho (*Regional Historical Museum of Ayacucho*): f. 1946; archæology, anthropology, history and popular crafts; library of 2,588 vols. (including bound periodicals, etc.); Dir. CÉSAR O. PRADO; Curator ISAAC A. ARONÉS HUAMANTINCO; publ. *Anuario*.

Callao

Museo Histórico Militar del Perú (*Military History Museum*): Castillo del Real Felipe, built under the Viceroys, unique in South America; f. 1946; collections date from 1730; Dir. OSCAR DIEZ VALDEZ.

Cuzco

Museo e Instituto Arqueológico de la Universidad Nacional del Cuzco: Dir. Dr. LUIS A. PARDO.

Museo Virreinal del Cuzco (*Museum of the Viceroys*): S. Agustín 400; f. 1946; Peruvian colonial art, Cuzco school; Curator ANTONIA VEGA CENTENO B.

Huancayo

Museo de Arqueología e Historia Natural: Apdo. 189.

Huanuco

Museo-Biblioteca "Leoncio Prado": 2 de Mayo y Tarapacá; f. 1945; ethnological museum being organised; Curator RICARDO E. FLORES.

Ica

Museo Regional de Ica (*Regional Museum*): f. 1946; Dir. ADOLFO BERMÚDEZ JENKINS.

Lambayeque

Museo Arqueológico "Bruning" de Lambayeque (*"Bruning" Archaeological Museum*): Calle 2 de Mayo 48; f. 1924; nearly 8,000 exhibits, of which 1,366 gold, 110 silver; textile, ceramic, wooden and stone pieces; two unique blue and black granite mortars incised with mythological figures in "Chavin" style; Dir. OSCAR FERNÁNDEZ DE CÓRDOVA.

Magdalena Vieja, Lima

Museo Bolivariano (Museum of Bolivar Relics).

Trujillo, La Libertad

Museo de Arqueología: Apdo. 31; f. 1946.

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Library of 35,000 volumes.
Number of professors: 242.
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Publication: *Revista Universitaria* (bi-annually).

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Velasco Quintanilla, Manuel, Mathematics
Velásquez Collado, Hector, Hydraulics
Yana Ticona, Julio, Irrigation
Zárate, Francisco, Hydraulics

Faculty of Agronomy:
Blanco Galdós, Oscar, Agricultural Machinery
Calderón Pérez, Mario G., Dairy Products
Calero del Mar, Basilides, Viticulture
Carrasco Zamora, Francisco, Agricultural Entomology
Carrillo Pezo, Efraín, Systematic Botany
Catacora Morales, Alfredo, Analytic cal Chemistry
Ceballos Bendezú, Ismael, Zoology
Climaco Monteagudo, Juan, Special Fruit Cultivation
Coronel, Alfredo, Mathematics
Fernández Baca D., Abraham, Bovine Studies
Gallegos Guevara, Armando, Rural Buildings
Garmendia Lorena, Antonio, Phytopathology
Garnica Tohalino, Guillermo, Soil Science
Kalafatovich Valle, Carlos, Agricultural Geology
Kuon Cabello, Jorge, Phytochemistry
Liendo Robles, Efraín, Horticulture
Marín Moreno, Felipe, Agricultural Botany
Martínez Solis, Ramón, Animal Anatomy and Physiology
Mendiburo Romainville, René, Fruit Cultivation
Mendoza Aytel, Juvenal, Organic and Inorganic Chemistry
Morales Aramburu, Zosimo, General Mechanics
Noriega Díaz, Alfredo, Analytical Geometrical Calculus
Pacheco Gamendia, Hugo, Agricultural Microbiology
Paliza Gallegos, Andrés, Rural Administration and Accountancy
Paliza Naola, Alejandro, Farming Industries
Rivero Luque, Víctor T., Industrial Cultivation
Saldívar Acuña, Efraín, Forage Cultivation
Samánez Richter, Ignacio, Silviculture
Tejado Mercado, Hugo, General Zoology
Tupayuchi Gastelú, Agricultural Legislation
Velásquez Collado, Héctor, Agricultural Topography
Zamalloa Díaz, Horacio, Botany
Zúñiga Roca, Celso, Physical Geography

UNIVERSIDAD NACIONAL MAYOR DE SAN MARCOS DE LIMA

APDO. 454, LIMA

Founded 1551.

Rector: Dr. Mauricio San Martín.
Vice-Rector: Dr. Ulises Montoya Manfredi.
General Secretary: Dr. Florentino Ciudad.

Number of teachers: 1,638.
Number of students: 14,900.
Publications: *Boletín Universitario, La Universidad y el Pueblo, La Gaceta Sanmarquina.*

Deans:

Faculty of Law: Dr. Guillermo García Montúfar.
Faculty of Medicine: Dr. Alberto Guzmán Barrón.
Faculty of Letters: Dr. Augusto Tamayo Vargas.
Faculty of Science: Dr. Flavio Vega Villanueva.
Faculty of Economics and Commerce: Dr. Carlos Capuñay Mimbela.
Faculty of Pharmacy and Biochemistry: Dr. Julio López Guillén.
Faculty of Odontology: Dr. Pedro Ayllón Bocanegra.
Faculty of Education: Dr. Emilio Barrantes.
Faculty of Chemistry: Dr. Gastón Pons Muzzo.
Faculty of Veterinary Medicine: Dr. Humberto Ruiz Urbina.

Biblioteca Central: Dir. Dr. Alberto Benavides Balbin.
Museo Nacional de Antropología y Arqueología: Dir. Jorge C. Muelle.
Museo de Historia Natural "Javier Prado": Dir. Dr. Ramón Ferreyra H.
Archivo Central: Dir. Dr. Carlos Daniel Valcarcel.

Professors:

Faculty of Law:
Abastos, Manuel G., Penal Law
Acevedo, Ismael, Registral and Notarial Law
Alsamora, Mario, Legal Procedure, Introduction to Law, Civil Law
Aparicio, Germán, Civil Law Procedure
Arias, Max, Civil Law
Boggio Amat y León, René, Civil and Comparative Law
Bramont, Luis, Penal Law
Carpío, Alfredo, Registral and Notarial Law
Castañeda, Jorge, Civil Law
Castillo, Luciano C., Financial Law
Cisneros, Máximo, Commercial Law
Criado, Ramón, Medical Jurisprudence
Del Valle, Luis, Penal Procedural Law
Fernández, Carlos, Civil Law
García, Domingo, Penal Law
García, Manuel, International Private Law

Gázzolo, Luis, Rural Law
Heraud, Luis, Civil Law
Herrera, Darío, Political and Constitutional Law
Lanatta, Rómulo E., Civil Law
León Barandiarán, José, Civil Law
Maurtua, Víctor, Rural Law
Mimbela, Eduardo, Criminology
Montoya, Ulises, Commercial Law
Seguin, Carlos A., Juridical Psychology
Ugarte del Pino, J. Vicente, History of Peruvian Law
Vega, Juan J., History of Peruvian Law
Velasco, Francisco, Law Procedure

Faculty of Medicine:
Bedoya, Mariano, Gynæcology
Cabieses, Fernando, Surgery
Campos, Jorge, Morphology
Castañeda, César, Radiology
Colichon, Héctor, Bacteriology
Cornejo, Alberto, Microbiology
Cuba, C., Alberto, Pathology
Díaz, Aurelio, Surgery
Guzmán, Alberto, Dynamics
Lanfranco, Carlos N., Medicine
Manrique, Vitalino, Clinical Laboratories
Quesada, Fortunato, Surgery
Quiroz, Carlos, Social Sciences
Rotta, Andrés, Physiology and Pharmacology
San Martín, Mauricio, Genetics
Seguín, Carlos A., Psychology
Yori, Carlos, Surgery and Oto-Rhino-Laryngology
Zegarra, José, Obstetrics

Faculty of Letters:
Alarco, Luis F., Metaphysics, Ethics
Alvarez, Félix, History of Peru
Argüelles, Manuel, Contemporary Philosophy
Arróspide de la Flor, César, History of Music
Barboza, Enrique, Interpretation of Philosophical Texts
Benvenutto Murrieta, Pedro, General Linguistics
Cabada, Teodocio, History of Ancient and Medieval Culture
Castro, Lucio, Spanish, Palæography
Chávez, Manuel, Methods of Archæological Research
Cisneros, Luis, J., Spanish Literature
Dávila, Rafael, Climatology
Dávila, Víctor, General and Peruvian Geography
Dumbar, Ella, History of Peru
Escobar, Alberto, Interpretation of Literary Texts
Festini, Nelly, Aesthetics
Franco, César, Metaphysics, Ethics
Guerra, Luis A., Psychopathology
Herencia, Pedro, General Human Geography
Hildebrandt, Martha, General Spanish Phonetics
Ismodes, Aníbal, Sociology
Matos Mar, José, Ethnology
Mejía, José, Sociology
Meneses, Teodoro, Quechua
Miró Quesada, Francisco, Logic, Introduction to Philosophy
Muelle, Jorge, Ethnology
Núñez, Estuardo, Introduction to Literature
Peñaloza, Walter, Philosophy
Puccinelli, Jorge, Contemporary Literature, American Literature
Pulgar, Javier, Geography of Peru
Radicatti, Carlos, Sources of Universal History
Rivera, Raúl, History of Peru
Russo, José, Metaphysics
Saco, Gustavo, Psychology
Salazar, Augusto, Philosophy
Sánchez, Luis A., American History and Literature
Solari, Enrique, Theory of Personality
Tamayo Vargas, Augusto, Peruvian, General and Latin Literatures
Tauro del Pino, Alberto, Introduction to History
Tola Mendoza, Fernando, Latin, Greek Literature
Townsend, Andres, History of America
Ugarte, Guillermo, Spanish
Valcárcel, Carlos D., Philosophy of History, Peruvian Historical Sources
Villar, Pedro, Archæology
Zavaleta, Carlos, English Literature

Faculty of Science:
Alberca, Alejandro, Geology
Ampuero Aguayo, José, Applied Mathematics
Ayulo, Víctor, Microbiology
Blancas, Fortunato, Zoology
Bueno, Antero, General Physics
Dávila Cuevas, Rafael, Meteorology, Climatology, Astronomy
Ferreyra Huertas, Ramón, Plant Ecology and Systematic Botany
García Llaque, José F., Comparative Anatomy, Biology
Herrera Marquis, Oscar, Inorganic Chemistry
Landa, Rodolfo, Anatomy, Human Physiology
Miró Quesada, Francisco, Philosophy and History of Mathematics
Núñez Bazalar, Tomás, Advanced Mathematics
Otero, Alfredo G., Physical Chemistry
Reátegui Page, Arturo, Physics, Physics applied to Biology
San Martín, Mauricio, Genetics
Silgado, Enrique, Geophysics
Souza Peixoto, Eduardo, Biology
Tapia Freses, Alejandro, Organic Chemistry
Tola Pasquel, José, Functional Analysis, Algebra
Vásquez Rojo, Hernando, Calculus of Probabilities
Vega Villanueva, Flavio, Analytical Geometry

Faculty of Economics qnd Commerce:
Arce Mas, Jorge, Principles of Private Law
Buzzio, Herless, General Economic History
Cabrera Charún, Eloy, Political Economy, Economic and Financial History of Peru
Capuñay, Carlos, Peruvian Finance, Political Economy
Chávez Cabello, Julio, Finance
Figueroa Acosta, Alejandro, General Economic Geography, Peruvian Economics
García Rada, Domingo, Peruvian Economic Legislation
Lanatta, Jorge, Business Economy and Organisation
Laurie Solis, Luis, Principles of Public Law
Merino Llanos, Alberto, Public and General Accountancy
Ortiz, Alejandro, Government Accounts
Palacios, Leoncio, Applied Statistics
Pastor Dávila, Francisco, Economic Geography of Peru
Pérez Santistevan, Víctor, Consular and Customs Administration
Picasso Rodríguez, Luis, International Law
Romero, Emilio, Economic Geography, Economic and Financial History of Peru
Santa Cruz, Juvenal, Auditing
Ureta del Solar, Guillermo, Peruvian Tax Legislation
Valdez Tudela, Napoleón, Labour Legislation
Vallo, Victorio, Statistical Methods, Financial and Actuarial Mathematics
Villanueva, Germán Antonio, International Commerce
Zárate, Fidel A., Political Economy

Faculty of Pharmacy and Biochemistry:
Alvan, Humberto, Deontology, Pharmaceutical Legislation and History
Castillo, Francisco, Inorganic Chemistry
Chávez, Sixto A., Industrial Pharmaceutics
De Olazábal, Luis, Galenic Pharmacy
Feldmuth, Guillermo, Bacteriology and Parasitology
Garrido, Marco A., General Biochemistry
Guevara, Juan de Dios, Organic Chemistry
Gurmendi, Gonzalo, Qualitative Chemical Analysis
Harrison, Jack, Materia Medica
Herrera, Marcos, Toxicology
Indacochea, Víctor, Functional Chemistry
La Rosa, Pedro A., Inorganic Chemistry
Llerena, Adrián, Quantitative Chemical Analysis
López Guillen, Julio, Botany
Montesinos, Fernando, Experimental Pharmacology
Payva, Carlos A., Special Bromatology
Pérez Alva, Simón, Bacteriology, Immunology
Vallier, Miguel, Physics
Zapata, Humberto, Pharmacology

Faculty of Odontology:
Aguila Pardo, Eduardo, Surgical Nosography
Ayllón, Pedro, Periodontics
Calderón, Gerardo, Histology
López, Jesús D., Pharmacology, General Therapeutics
Machado Neves, Eduardo, Technology of Dental Prosthetics
Manrique, Vitaliano, Biochemistry
Migone, Alfieri, Physiology, Dietetics and Nutrition
Mogrovejo, José L., Dental Prosthetics
Morales, Julio, Microbiology
Ocampo Egueren, Angel, Operative Dentistry
Pezo, José A., Human Anatomy
Plaza, Felipe L., Surgery
Rodríguez, Raquel I. de, Child Dentistry
Ronquillo, Osidro, Dental Prosthetics
Villalobos, Eduardo

Faculty of Education:
Alarco, Luis F., Philosophy of Education
Angles, Cipriano, Statics
Argüelles, Manuel, Child and Adolescent Psychology
Barrantes, Emilio, Methodology of History, General Pedagogy
Clavo Rivera, Carlos, Methodology of Mathematics
Festini Illich, Nelly, Art in Education
Guerra, Luis A., Mental Hygiene
Jiménez Borja, José, Methodology of Spanish
Koch Flores, Roberto, School Legislation
Loli Guzmán, Guillermo, Methodology of Geography
Rebaza, Alfredo, Geography

Rodríguez Cavero, Luis, School Hygiene
Romero, Fernando, Economy
Rondinel, Víctor, Methodology of Physio-Chemical Sciences
Saco, Gustavo, Sociology
Salazar, Augusto, Philosophy
Solari S., Enrique, Psychology of Education, Vocational Guidance
Valcárcel, Carlos D., History of Peruvian Education
Velit, Carlos, Problems of National Education

Faculty of Chemistry:
Aguilar, Lucio, Mechanical Processing, Flotation
Alva Saldaña, Luis, Unit Processing
Binda, Dante, Organic Chemistry
Cancino, José María, Organic Chemistry
Da Fiano, Max, Physical Chemistry
Díaz, César, Analytical Chemistry
Ferrecio, Antonio, Applied Electricity
Freyre, Alfonso, Analytical Geometry
Furman, Isaac, Industrial Electro-chemistry
Gibaja, Segundo, Organic Chemistry
Gurmendi, Gonzalo, Special Inorganic Analysis
Huaringa, Mesías, Physics
Iza, Agustín, Quantitative Chemical Analysis
Llerena, Adrián, Inorganic Chemistry
Núñez Bazalar, Tómas, Calculus
Pons, Gastón, Physical Chemistry
Rivas, Javier, Analysis
Ruiz, Homero, Mathematics
Sánchez, Dagoberto, Physiochemistry
Sarmiento, José, Resistance of Materials
Sotillo, César, Descriptive Geometry
Succar, Jorge, Industrial Planning, Economics of Engineering
Tantaleán, Guillermo, Metallurgy

Faculty of Veterinary Medicine:
Alencastre Alvarado, Julio, Veterinary Hygiene, Infectious Diseases
Ayllón Rodríguez, Gustavo, Medical Pathology
Barúa Castañeda, Javier, Biochemistry
Chávez García, Carlos, Parasitology
Copaira Beltran, Marcos, Histology and Embryology
Cuba Caparó, Alberto, Pathology, Histology, Embryology
De la Vega Díaz, Elmo, Pathology
Kafka, Hellmut, Obstetrics
Moro Sommo, Manuel, Bacteriology
Narvaez, Carlos, Surgical Pathology
Rakower, Mareck, Medical Pathology, Clinical Diagnosis
Ramos Saco, Teodoro, Parastic Diseases
Ruiz Urbina, Humberto, Pharmacology and Therapeutics, Surgery
San Martín, Mauricio, Genetics
Suárez Franco, Edilberto, Surgery
Tello Garust, Arturo, Bird Diseases, Aviculture
Vallenas, Guillermo A., Physiology

UNIVERSIDAD DE LIMA

AVDA. ARENALEN 956, LIMA

Founded 1963.

UNIVERSIDAD DEL PACÍFICO

LIMA

Founded 1962.

PONTIFICIA UNIVERSIDAD NACIONAL CATOLICA DEL PERU

APARTADO POSTAL 1761, LIMA

Founded 1917.

Rector: R.P. Felipe E. Macgregor, s.j.
Pro-Rector: Dr. Víctor Andrés Belaunde.
Secretary-General: Dr. Ernesto Perla Velaochaga.
Librarian: R.P. Valentín Trujillo.

Number of students: 2,500.

Publications: *Anuario, Revista, Derecho, Revista de Educación, Boletin del Instituto Riva Aguero, Vida Universitaria.*

Deans:

Faculty of Letters: Dr. José Agustín de la Puente y Candamo.
Faculty of Engineering: Ing. Ricardo Rey Polis.
Faculty of Law: Dr. Domingo García Rada.
Faculty of Economics and Commerce: Ing. Numa León de Vivero.
Faculty of Education: Dr. Aurelio del Corral Salcedo.

Professors (*Titulares*):

Faculty of Letters:
Alzamora Valdez, Mario, General Psychology, Metaphysics
Arróspide de la Flor, César, Aesthetics
Barandiarán, Luis Alberto, Biology and Anthropology
Busto Vargas, Jorge del, Sociology, Modern Philosophy
Caravedo Carranza, Baltasar, Experimental Psychology
Cavazzana, Juan, Classical Literature
Linder, Paul, History of Art
Mac Gregor, Felipe, Ethics
Pinilla Sánchez Concha, Antonio, Philosophy
Puccinelli, Jorge, Literature
Puente y Candamo, José A. de la, History of Peru
Riesco, Dolores, Philosophy of Science
Vidal, Leopoldo, Literature

Faculty of Engineering:
Fernández, Pablo, Drawing
Giuffra, Fernando, Infinitesimal Calculus
Harmsen, Teodoro, Reinforced Concrete
Núñez Valdivia, José, Resistance of Materials
Pérez del Pozo, Roberto, Town Planning
Rey Polis, Ricardo, Analytical Geometry
Valencia, Ricardo, Structures and Bridges

Faculty of Law:
Bielich Flórez, Ismael, Civil Law
Echecopar García, Luis, Civil Law
Ferrero Rebagliati, Raúl, General and Comparative Constitutional Law
García Rada, Domingo, Civil Procedure
León Montalbán, Andrés, Commercial and Maritime Law
Lituma, Luis, Public Ecclesiastical and Canon Law
Perla Velaichaga, Ernesto, Civil Law
Piaggio, Hugo, Penal Law
Tubino Mongilardi, Fidel, Philosophy of Law
Vargas Mata, Raúl, Penal Procedure
Vega García, Jorge, Private International Law
Velarde Alvárez, Leonidas, Civil Procedure

Faculty of Economics and Commerce:
Bernales Beddya, Hernán, Financial Legislation
Canaletti, Primo César, Auditing, Accountancy
Castillo, Juan L., Finance
Derteano, Carlos, Agricultural Economics
Garayar, Gergorio, Economic Theory
Jelicic, Jorge, Public Finance
Krumdiecklatorre, José L., Mathematics
León de Vivero, Numa, Mercantile Banking
Maseda Vargas, Jose, L., Accountancy
Radicati, Carlos, Cultural and Economic History
Ruszkowski, Andrés, Economic Theories
Vargas Vargas, Javier, Labour and Industrial Legislation

Faculty of Education:
Alarco Larrabure, Gerardo, Educational Psychology
Arrieta Balaguer, Alejandro, School Hygiene
Corral Salcedo, Aurelio del, Advanced Geography
Gastón, María, Child and Adolescent Psychology
Ibarra, Juan Teófilo, General Pedagogics, History of Education
Sardón A., Miguel A., Intelligence Tests
Villarán Rivera, Mario, Methodology of History and Geography

UNIVERSIDAD NACIONAL DE LA AMAZONIA PERUANA

IQUITOS

Founded 1961.

Faculties of Agriculture, Electrical and Mechanical Engineering.

UNIVERSIDAD NACIONAL DE LANBAYEQUE

LANBAYEQUE

Founded 1962.

Faculties of Science, Medicine, Letters, Economics, Agriculture and Veterinary Science.

UNIVERSIDAD NACIONAL DE SAN AGUSTÍN

AVENIDA SIGLO XX
225-227, APDO. 23,
AREQUIPA

Telephone: 2341

Founded 1828.

Rector: Dr. Carlos Núñez Valdivia.
Vice-Rector: Dr. Enrique Azálgara Ballón.
Secretary: Dr. Manuel Zevallos Vera.
Treasurer: Dr. Eduardo Belaúnde Harmsen.
Librarian: Dr. Pedro Arenas y Aranda.

Library: 22,529 vols., 1,642 periodicals.

Number of teachers: 321, including 45 full-time.

Number of students: 6,048.

DEANS:

Faculty of Law: LUIS DE TABOADA.

Faculty of Letters: JAVIER MAYORGA.

Faculty of Sciences: ALFREDO BELLIDO.

Faculty of Education: ROGERIO GONZÁLEZ.

Faculty of Economics: ANÍBAL RIVERA MUÑOZ.

Faculty of Medicine: FÉLIX NAQUIRA.

UNIVERSIDAD NACIONAL DE SAN CARLOS DE PUNO

PUNO

UNIVERSIDAD NACIONAL DE SAN CRISTOBAL DE HUAMANGA

AYACUCHO

Founded 1677.

Rector: Dr. EFRAÍN MOROTE BEST.

Vice-Rector: Ing. LUIS GONZÁLEZ CARRÉ.

Secretary-General: Dr. MANUEL J. BAQUERIZO.

Librarian: Srta. CHERRY HIROSE.

Number of teachers: 87.

Number of students: 930.

Publication: *Universidad.*

DEANS:

Faculty of Social Sciences: Dr. LUIS LUMBRERAS SALCEDO.

Faculty of Natural Sciences: Prof. RAÚL MANRIQUE GAMERO.

Faculty of Engineering: Ing. ROBERTO ISHIKAWA TRIVEÑO.

Faculty of Education: Dr. ARMANDO BARREDA DELGADO.

PROFESSORS:

ALCABÉS AVDALÁ, JACOBO, Chemistry
ALVA DE ALBRECHT, DORIS, Nursing
ARENAS RODRÍGUEZ, MARIO, Pedagogy
ARROYO PRADO, JORGE, Chemistry
AYALA CARRASCO, LUZ, Social Services
BARREDA DELGADO, ARMANDO, Philosophy
BARRÓN DOLORIER, DANIEL, Pedagogy
BARRÓN HIDALGO, ELISEO, Medicine
BASUALDO CASTRO, IGNACIO, English
BEDOYA VERA, CÉSAR, Music
BENAVIDES CALLE, MARIO, Anthropology
BURNS, DONALD, Linguistics
CARDENAS LUDEÑA, ABILIO, Medicine
CASANOVA SILVA RENARD, RENÉ, Spanish
CASTAÑEDA BAZÁN, JOSÉ, Agriculture
CISNEROS CAMPOY, ANTONIO, Spanish
COOK DIVIZIA, EDUARDO, Chemistry
CHEREQUE MORÁN, WENDOR, Civil Engineering
DELGADO NÚÑEZ, HERBERT, Mining
DÍAZ FALCONÍ, JULIO, Spanish
DÍAZ FLORES, JOSÉ, Agriculture
DÍAZ LEON, VÍCTOR, Zoology
DÍAZ MARTINEZ, ANTONIO, Agriculture
DURAND ARAUJO, FELIPE, Mathematics
ESCARCENA DE ISHIKAWA, ROSA, Social Services
ESCOBAR VILLAVERDE, LUIS, Medicine
FEIJOO DE CUNTI, GLADYS, Psychology
FERNANDEZ ORCASITAS, VICTOR H., Drawing and Painting
GALARZA MINAYA, TOMÁS, Biology
GÁLVEZ RIVEROS, ALCIDES, Pedagogy
GALLEGOS REVILLA, BALDOMERO, Mining
GAMARRA BALLENA, GERARDO, Biology
GUEVARA GALVEZ, BLADIMIRO, English
GONZALEZ DE PAREDES, AMÉRICO, Social Service
GONZÁLEZ CHACON, MANUEL, Medicine
GUTIERREZ VIDALON, CARLOS, Mathematics
GUTIEREZ RIVERO, ALBERTO, Social Service
GUZMAN REYNOSO, ABIMAEL, Psychology
HUASASQUICHE SUIGAS, PEDRO, Chemistry
IBÁÑEZ DAVILA, JOSÉ, Mathematics
LARA IRALA, EDILBERTO, Quechua
LOPEZ MAYORGA, JUAN, Pyschology
LOAYZA HUAMAN, ERNESTO, Pedagogy
LUQUE, VEGA, FLORÍAN, Linguistics
MALDONADO YAÑEZ, CARLOS, Mining
MARISCAL LLERENA, MIGUEL, Medicine
MARTINEZ OTAYZA, GERMÁN, Physics
MAYHUA GUILLEN, PRIMO, Medicine
MENDOZA DELGADILLO, GERARDO, Mining
MORALES, CLEMENTE SINSINIO, Zoology
MOYA BENDEZU, ENRIQUE, Agriculture
MOYA VEGA, JORGE, Agriculture
NAVARRO ARIAS, WALTER, Agriculture
NAVEDA ALMONACID, ZENÓN, Pedagogy
PEREZ CORONADO, JUAN L., History
PEREZ NÚÑEZ, PEDRO, Microbiology
PILCO ZAGACETA, ZENÓN, Mining
PURIZAGA, MEDARDO, History
QUIJANO QUIÑONEZ, VÍCTOR H., Chemistry
REYNOSO CHAVEZ, BALTAZAR, Mining
REYNOSO DIAZ, OSWALDO, Spanish
RIVERA PALOMINO, JAIME, Geography
RODRIGUEZ AMES, JUAN, Zoology
RODRIGUEZ ARROYO, LÉRIDA, Chemistry
RUIZ DE GUERRERO, ESPERANZA, Nursing
SAINZ CAYON, ALVARO, Spanish
SCHAFFNER TINTURIER, RENÉ, French
SILVA MALLQUI, JUAN N., Biology
TALLEDO LAVALLE, PEDRO, Biology
TORRES RAMOS, SADOT, Medicine
TOMOEDA HARADA, HIROYASÚ, Anthropology
TUPAYACHI MEDINA, ISAAC, Mathematics
VASQUEZ VASQUEZ, CARLOS, English
VELASQUEZ LOPEZ, ROBERTO M., Mathematics
VILLAVICENCIO WHITTEMBURY, ALVARO, Pedagogy
VINATEA JARAMILLO, ENRIQUE, Biology
VIVANCO ROBLES, PÍO M., Pedagogy
ZAMUDIO MEDINA, JUAN, Pedagogy
ZAVALA CATAÑO, VÍCTOR, Pedagogy
ZUIDEMA, TOM, Anthropology

UNIVERSIDAD NACIONAL DE TRUJILLO

CALLE DIEGO DE ALMAGRO, TRUJILLO

Founded 1824 by Simón Bolívar.

Rector: Dr. S. VIRGILIO VANINI DE LOS RÍOS.

Secretary-General: Dr. JULIO RODRIGUEZ.

Librarian: ROBERTO GUTIÉRREZ VERA.

Library of 23,382 volumes, 40,177 periodicals and pamphlets.

DEANS:

Faculty of Law: Dr. JORGE ANGULO ARGOMEDO.

Faculty of Letters and Education: Dr. ANÍBAL ESPINO RODRÍGUEZ.

Faculty of Economic and Commercial Sciences: Dr. ANDRÉS FUKUNAGA.

Faculty of Medicine: Dr. JORGE DE VINATEA COLLINS.

Faculty of Chemical Engineering: Ing. PEDRO REYES PRÍNCIPE.

Faculty of Biological Sciences: Br. ANTONIO SAMANAMUD ROMERO.

Faculty of Physical and Mathematical Sciences: Ing. JAVIER TREVISANI.

Faculty of Pharmacy and Biochemistry: Q.F. JORGE CANALES GANOZA.

UNIVERSIDAD NACIONAL DEL CENTRO DEL PERU

CALLE REAL 160, HUANCAYO

Founded 1962.

Rector: NILO ARROBA NIÑO (*a.i.*).

Secretary-General: OSCAR ANGELES CABALLERO.

DEANS:

Faculty of Agronomy: MANUEL ZEGARRA RUSSO.

Faculty of Architecture: CARLOS RECOBA CH.

Faculty of Private and Public Administration: JOSÉ BRAVO GURT.

Faculty of Economic and Commercial Sciences: ADRIEL OSORIO ZAMALLOA.

Faculty of Social Sciences: ELÍAS FLORES FLORES.

Faculty of Education: MAURILIO ARRIOLA GRANDE.

Faculty of Electro-Mechanical Engineering: CÉSAR CASTILLO C.

Faculty of Forestry Engineering: MAXÍMO RAMÍREZ M.

Faculty of Industrial Engineering: JUAN J. QUIÑE.

Faculty of Zootechnics: JOAQUÍN CHIVILCHEZ.

UNIVERSIDAD NACIONAL "SAN LUIS GONZAGA"

ICA

Telephones: 2437 and 2868.

Founded 1961.

Rector: Dr. GREGORIO GARAYAR PACHECO.

Secretary-General: Dr. MIGUEL CALDERÓN REINA.

Number of teachers: 392.

Number of students: 3,989.

Publications: *Letras y Educación, Educación Dental.*

DEANS:

Faculty of Agronomy: Ing. CARLOS VILLAGARCÍA UNZUETA.

Faculty of Economic and Social Sciences: Dr. LUIS PICASSO RODRÍGUEZ.

Faculty of Law: Dr. RAMIRO ÑIQUE ESPÍRITU.

Faculty of Arts and Education: Dr. CÉSAR ANGELES CABALLERO.

Faculty of Pharmacy and Biochemistry: Dr. HUBERTO ZAPATA RIVAS.

Faculty of Civil Engineering: Ing. ODÓN FERNÁNDEZ LA NOIRE.

Faculty of Mechanical Engineering and Electricity: Ing. CARLOS ARGUEDAS RIVERA.

Faculty of Medicine: Dr. ANÍBAL CASAVILCA RUBIO.

Faculty of Veterinary Medicine: Dr. CARLOS LLÚNCOR ESCUDERO.

Faculty of Fisheries and Biological Sciences: Ing. JULIO MALDONADO ORÉ.

Faculty of Odontology: Dr. NALDO BALAREZO GERSTEIN.

UNIVERSIDAD PERUANA "CAYETANO HEREDIA"

JR. UNIÓN 1146, APARTADO 5045, LIMA

Founded 1961.

Rector: Dr. HONORIO DELGADO.

Vice-Rector: Dr. OSCAR SOTO.

Dean of Faculty of Medicine: Dr. ALBERTADO HURTADO.

Secretary-General: Dr. EDUARDO PÉREZ ARANÍBAR.

Number of teachers: 356.

Number of students: 472.

The University is made of a *Pre-medical School, Medical School, High Altitude Research Institute* and *Post-graduate School* and is particularly interested in promoting research into national medical problems.

UNIVERSIDAD NACIONAL DE INGENIERIA (National University of Engineering)

CASILLA 1301, LIMA

Founded 1955, formerly Escuela Nacional de Ingenieros del Peru, founded 1875.

Rector: Ing. MARIO SAMAME BOGGIO.

Secretary-General: Ing. GERMÁN DE LA FUENTE HERRERA.

Treasurer: Ing. GERMAN DE LA FUENTE HERRERA.

Librarian: Srta. JUANA PAREJA MARMANILLO.

Library: 20,000 volumes.

Number of students: 5,500.

Publication: *Boletín.*

DEANS:

Faculty of Architecture: Arq. SANTIAGO AGURTO CALVO.
Faculty of Civil Engineering: Ing. BIAGGIO ARBULU GALLIANI.
Faculty of Petroleum Engineering: Ing. FERNANDO NORIEGA CALMET.
Faculty of Industrial Engineering: Ing. JORGE SUCCAR RAHMÉ.
Faculty of Mechanics and Electricity: Ing. ROBERTO HEREDIA ZAVALA.
Faculty of Sanitary Engineering: Ing. ALEJANDRO BEUNZA GÓMEZ.
Faculty of Mining Engineering: Ing. CÉSAR SOTILLO PALOMINO.
Faculty of Science and Mathematics: Ing. MARCO FERNÁNDEZ BACA.

PROFESSORS:

AGUILAR REVOREDO, JUAN F., Economic and Structural Geology, Separation of Minerals
AGUILAR CONDEMARÍN, LUCIO, Buoyancy, Metallurgy
AGURTO CALVO, SANTIAGO, History of Architecture
ALMENARA, OSCAR A., Physics, General Chemistry, Industrial Analysis
ALVARADO GARRIDO, ARTIDORO, Petroleum Administration
ALVARADO LEÓN, FRANCISCO, Drawing
ARAMBURÚ M., ANDRÉS, A., Legislation
ARBULÚ G., BIAGGIO, Structural Engineering
ARROYO, MIGUEL, Rational Mechanics
AVENDAÑO H., JULIO, Electrical Engineering, Radiotechnics
AYLLÓN, HÉCTOR, Mechanics
BARRAZA CASTRO, ENRIQUE, Special Analytical Chemistry, Lubricant Greases, Asphalt
BARTET ROSAS, JUAN, Advanced Physics
BASTANTE, ALEJANDRO, Naval Engineering, Machine Drawing, and Parts
BEDOYA, JAIME A., Bacteriology and Biology
BELAUNDE TERRY, FERNANDO, Low-Cost Housing
BENITES D., JUAN F., Architectural Draughtsmanship
BIANCO ZANOLDO, MARIO, Architectural Draughtsmanship
BOIT, BERNARDO, Geology, Palæontology of Peru
BONIFAZ S., FERNANDO, Descriptive Geometry
BOZZO CHIRICHIGNO, MIGUEL, Resistance of Materials
BRAVO BRESANI, JORGE, Social Legislation in Mines
BROGGI, JORGE A., Physiography, Structural Geology, Geological Investigations
BUENO, CLAUDIO, Topography, Descriptive and Analytical Geometry
CABELLO B., HUGO, General Topography
CABRERA TAPIA, CARLOS, Analytical Geometry
CABERRA TAPIA, JORGE, Mathematical Revision
CABRERIZO, JUAN V., Physics
CÁNEPA, JORGE, Electrical Engineering and Power Stations
CÁNEPA COMPODÓNICO, HÉCTOR, Power Stations
CASSANO ACOSTA, PEDRO, Physics
CORDERO PIANA, VICTOR P., Metallurgy
CÓRDOVA VALDIVIA, ADOLFO, Architectural Draughtsmanship, Plastics
CRUZ R., CARLOS, Cotton Technology
CURCIO, CARLOS A., Mathematics
DE LA FUENTE, ALEJANDRO, Mechanical Drawing
DE LA FUENTE, GERMÁN, Industrial Accountancy, Organisation and Hygiene
DEVOTO, NICOLÁS, Railways, General Topography
DÍAZ AYARZA, LUIS, Chemistry of Petroleum
DIEZ CANSECO YÁÑEZ, ERNESTO, Mine Ventilation, Hygiene and Security, Petroleum Transport, Tanks and Tankers
DONIZETTI, JULIO, Electrical Technology and Machinery
DORCA GARCÍA, EUGENIO, Mathematics
DORICH, LUIS, Town Planning
DUNKELBERG WEISS, CARLOS, Professional Practice
ECHEGARAY, ENRIQUE, Examination of Plans
ESCOBAR ESCOBAR, DANIEL, Hydraulics
ESTREMADOYRO, VÍCTOR, Astronomy, Geodesy
FERECCIO NOSIGLIA, ANTONIO, Fundamental Mechanics
FERNÁNDEZ BACA, MARCO, Resistance, Rational Mechanics
FERNÁNDEZ CONCHA, JAIME, Visual Petrology, Structural Geology
FERNÁNDEZ STOLL, JORGE, Industrial Legislation
FOGLIANI, GIANFELICE, Hydraulics, Hydraulic Machinery
FORT, ALFREDO L., General Metallurgy
FREYRE, ALEJANDRO, Macropetrography, Physical Geography
GRAU PRICE, GUILLERMO, Mechanical Thermodynamics and Motor Force
GRIEVE MADGE, JORGE, Mechanical Technology, Machine Parts
HARO, EMILIANO, Physics
HEREDIA ZAVALA, ROBERTO, Thermodynamics and Thermomechanics
HERNÁNDEZ, LUIS, Analytical Geometry
KARATEEFF, REGINALD D., Metallurgy
LABARTHE DURANT, PEDRO A., Mathematical Research
LABARTHE GONZÁLES, ABEL, Calculus
LAINEZ LOZADA CAMPOS, PEDRO, Bridges
LAMA ARRIGONI, GUSTAVO, Descriptive Geometry, General Topography
LARI CAVAGNARO, ALBERTO, Epidemiology
LE ROUX, EMILIO, Soil Mechanics
LINDER, PAUL, Architectural Æsthetics
LLOSA PAUTRAT, MANUEL, Working of Mines and Equipment
MACHIAVELLO, LUIS, Vibration in Buildings, Thermodynamics, Chemical Engineering
MADUEÑO MONTOYA, JORGE, Anti-Malaria Campaign
MAISCH GUEVARA, ERNESTO, Hydraulics
MALACHOWSKI, RICARDO, Principles and Theory of Architecture
MANTILLA FERNANDINI, LUIS, Rural and Municipal Improvement, Sanitary Organisation and Legislation
MARÍN, JOSÉ DEL C., Military Engineering
MARQUINA, RAFAEL, Architectural Drawing, Domestic Architecture
MARTENS, ARTURO, Physics, Machine Parts
MASÍAS, ALVARO, Unitary Theory and Practice, Thermodynamics
MASTRÓKALO, ALFREDO, Preparation of Plans
MENDIZÁBEL, ALFONSO, Drawing
MERCADO, LIZANDRO, Irrigation
MIRÓ QUESADA GARLAND, LUIS, Functional Architecture
MISITANO SILICATO RICARDO. Industrial Chemistry.
MONGE GORDILLO, ALEJANDRO, Chemistry
MONTERO MUELLE, ALFONSO, Chemical Technology, Analysis of Water and Sewerage
MORALES MACEDO, GERMÁN, Physics, Qualitative Chemical Analysis
MORALES MACHIAVELLO, CARLOS, Building, Building Materials
MORALES RÍOS, JULIO, General Topography
MUJICA, LUCAS, Electrical Communications
MUJICA, WILFREDO, Electrotechnics
MUÑOZ, LINO, Political Economy
NORIEGA CALMET, FERNANDO, Petroleum Production
OLCESE, MANUEL, Mathematics
ORELLANA ZÚÑIGA, JUAN, Sanitary Engineering
ORTÍZ DE ZEVALLOS Y PAZ SOLDÁN, LUIS, History of Art
ORTÍZ VÉLEZ, JUAN, Organic Chemistry, Dyes
PARAUD DUBREUIL, RAÚL, Highways
PAREJA M., CARLOS, General and Subterranean Topography
PETITJEAN, HERIBERTO, Electricity
PFLÜCKER CABIESES, LEOPOLDO, Reservoir Engineering
PFLÜCKER, GERMÁN E., General and Organic Chemistry, Physics
POLAR ZEGARRA, ALFREDO, Chemical Engineering
PONS MUZZO, ALFONSO, Purification and Supply of Water
PORTARO, VICENTE, Linear Drawing
QUIÑONES GONZÁLEZ, RAÚL, Method of Construction
QUIROGA, JUAN, Structural Engineering, Cement and Concrete Building, Bridges

Quiroga Ribera, Oscar, Valuation of Petroleum Territory
Ramos Tapia, Juan, Mathematical Revision
Redlich, Ricardo, Cooling of Conditioned Air
Regal, Alberto, Building Materials
Reyna, Erasmo, Resistance
Ribeyro Ibáñez, Efraín, Sanitary Chemistry
Rivera Zapata, Miguel, Electrical Engineering
Rodríguez del Castillo, Juan, Production
Ruegg Gyseler, Werner, Geology
Salgado Portocarrero, Eduardo, Construction Materials
Samamé Boggio, Mario, Mining Economics, Industrial Organisation and Economics
Sarmiento, Juan, Concrete
Schimdt, Paúl, Thermodynamics
Sloane Ross, Enrique, Architectural Drawing
Solís Plaza, Walter, General Chemistry
Sotillo Palomino, César, Qualitative and Quantitative Chemical Analysis, Descriptive Geometry
Spillman Schwach, Franz, Macropalæontology
Suárez Jimena, Eduardo, Rational Mechanics
Succar Rahmé, Jorge, Industrial Organisation, Forestry
Tabini Fernández Davila, Alejandro, Electricity
Tapia Salinas, Luis, Physiography
Tarnawiecki, Antonio, Machine Parts, Drawing, Electro-Chemistry
Tinman, S., Gherz, Organic Chemistry
Tola Pasquel, José, Resistance, Infinitesimal Calculus, Vectorial Graphs
Torres Rengifo, Carlos, Hydraulics
Torres Vargas, Carlos, Mechanical Drawing
Tudela Lavalle, Octavio, Mathematics
Ugarte Eléspuru, Manuel, Plastics
Ugas Salcedo, Carlos, Tanning
Ungaro, Fabricio, Concrete Structures and Installations for Petroleum, Drawing
Unger, Gerard, Thermodynamics, Applied Thermodynamics, Thermic Motors
Ureta del Solar, Alberto, Engineering
Valencia Menegot, Ricardo, Structures
Valverde Arce, Roberto L., Petroleum Industry
Vásquez Rosas, Hugo, General and Specialised Mineralogy
Velando Pardo, Alejandro, Ports
Vigil, Jorge A., Mechanical Aviation Equipment
Villagarcía, José F., Calculus
Wakeham Dasso, Roberto, Architectural Draughtsmanship
Yábar García, Manuel, Oils and Fats
Zelaya Sotomayor, Humberto, Motor Power
Zúñiga, Uldarico, Wool Technology

UNIVERSIDAD AGRARIA
APDO. 456, LA MOLINA, LIMA

Telephone: 47865.

Founded 1902; formerly Escuela Nacional de Agricultura.

Rector: Orlando Orcese P.
Vice-Rector: Ferruccio Accame W.
Registrar: Jorge Bazo S. M.
Librarian: Amalia Cavero de Cornejo.

Number of teachers: 172.
Number of students: 834.
Publication: *Universitas.*

UNIVERSIDAD TÉCNICA DEL ALTIPLANO
CALLE DE PUNO 415, CASILLA 103, PUNO

Founded 1961.

Rector: Ing. J. Alberto Barreda Cuentas.

UNIVERSIDAD TÉCNICA DE PIURA
PIURA

Founded 1962.

COLLEGES

ESCUELA NORMAL SUPERIOR "ENRIQUE GUZMÁN Y VALLE"
LA CANTUTA-CHOSICA, LIMA

Founded 1822, newly founded 1905.

Director: Prof. Aquiles Nicho Rosadio.
Division of Professional Studies: Dr. Emiliano Pisculich.
Division of Academic Studies: Prof. Celia Albrizzio Fontana.
Division of Technical Studies: Prof. Eduardo Parodi Cisneros.
Division of Students Personal Services: R.P. Augusto Camacho Francia.
Primary Education Supervisor: Prof. Guillermo Paredes Bernedo.
Secondary Education Supervisor: Prof. Alejandro Cenzano Zúñiga.
Technical Education Supervisor: Prof. Juan de Dios Mori Gastelo.

Number of teachers: 83.
Number of students: 524 (prospective teachers), 583 Demonstration schools).

The school has been given university status by the Peruvian Congress.

Escuela de Servicio Social (*School of Social Science*): Avenida Arequipa 1473, Lima; f. 1937; library of 2,640 vols.; Dir. Gloria Abate; publ. *Servicio Social* (annually).

Escuela Nacional de Bibliotecarios (*National School of Librarianship*): Lima; f. 1943; Dir. Dr. Carlos Cueto Fernandini; Sec. Nelly MacKee Prialé.

SCHOOLS OF ART AND MUSIC

Conservatorio Nacional de Música (*National Academy of Music*): Minería 180, Apdo. 2957, Lima; f. 1908 as Academia Nacional de Música "Alcedo", present name 1946; directed by the Ministry of Public Education; 450 students; specialised library *c.* 5,000 vols., and record library; choir and orchestra; Dir. Carlos Sánchez Málaga; Sec. Roberto Carpio Valdés.

Affiliated Institutes:

Escuela Regional de Música de Arequipa: Dir. Aurelio Díaz.

Escuela Regional de Música de Ayacucho: Dir. César Bedoya.

Escuela Regional de Música del Cuzco: Dir. Jorge Delgado.

Escuela Regional de Música de Huanuco: Dir. Jaime Díaz.

Escuela Regional de Música de Piura: Dir. Ernesto López Mindreau.

Escuela Regional de Música de Trujillo: Dir. Ulises Calderón.

Academia de Bellas Artes del Cuzco (*Cuzco Academy of Fine Arts*): Cuzco.

Escuela Nacional de Bellas Artes (*National School of Fine Arts*): Lima.

Escuela Regional de Bellas Artes: Puente Bolognesi 104, Arequipa.

REPUBLIC OF THE PHILIPPINES

Population 28,297,000

ACADEMY

Academia Filipina (*Philippine Academy*): Manila; the Philippine Academy is 11th in order of foundation of the corresponding academies of the Real Academia Española, Madrid. *Director:* ARSENIO N. LUZ. *Secretary:* JOSÉ LAUCHENGCO.

MEMBERS:

ABAD, ANTONIO M.
BARCELÓN, EMETERIO (Treasurer)
BOCOBO, JORGE
CUENCO, MARIANO JESÚS
DELGADO, JOSÉ M.
FÉLIX, ALFONSO.
FERNÁNDEZ LUMBA, ENRIQUE (Censor)
LIOGSON, FRANCISCO
SABIDO, PEDRO
TORRES, RAMÓN J.

Elected:

CUENCO, MIGUEL
DIZÓN, ARSENIO
GUTIÉRREZ, DAVID

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

AGRICULTURE

Philippine Association of Agriculturists: 692 San Andres, Malate, Manila; f. 1946; 178 mems.; Pres. EUGENIO E. CRUG; Sec. JOSÉ L. MORALES.

ARCHITECTURE

Philippine Institute of Architects: P.O. Box 350, Manila; f. 1933; 265 mems.; Pres. EDMUNDO G. LUCERO; Vice-Pres. FRANCISCO FAJARDO; Sec. EVELIO N. VALDES.

ART

Art Association of the Philippines: c/o UNESCO Nat. Commission of the Philippines, 1580 Taft Avenue, Manila; f. 1948; Pres. JOSÉ T. JOYA, Jr.; Sec. LEONIDAS V. BENESA; Treas. VIRGINIA TY-NAVARRO.

BIOLOGY

Los Baños Biological Club: College, Laguna; f. 1923; Pres. LAURO A. YNALVEZ; Sec. PEDRO B. ESCURO.

CHEMISTRY

Philippine Council of Chemists (*National Organisation of Professional Chemists*): P.O. Box 1202, Manila; f. 1958; 700 mems.; Exec. Sec. SHIRLEY E. NESSIA; publ. *The Bulletin of the Philippine Council of Chemists.*

ECONOMICS

Philippine Economic Society: P.O. Box 1764, Manila; f. 1948; 217 mems.; Pres. Dr. PLÁCIDO L. MAPA; Vice-Pres. Dr. RICHARD HOOLEY; Sec.-Treas. QUIRICO S. CAMUS, Jr.

LITERATURE, LIBRARY SCIENCE, PHILOLOGY

Association of Special Libraries in the Philippines (ASLP): Institute of Public Administration Library; University of the Philippines, Padre Faura Street, Manila; f. 1954; 150 mems.; Pres. MARINA G. DAYRIT; Sec. TERESITA SAMANIEGO; publs. *ASLP Bulletin* (quarterly), *Directory of Special Library Resources and Facilities.*

Filipino Writers' Guild: f. 1948; Pres. MANUEL VIRAY; Sec. J. GUALBERTO PLANAS.

Goethe Institut: P.O.B. 2883, Manila; f. 1961; Dir. (Vacant).

Kawika (*Society of Tagalog Writers*): 1655 Soler, Santa Cruz; f. 1958; Pres. JOSÉ DOMINGO KARASIG; Sec. GEMILIANE PINEDA; publ. *Liwayway* (weekly).

Philippine Library Association: The Library, University of the Philippines, Diliman, Quezon City; f. 1923; 488 mems.; Pres. EDUARDO MALONES; Sec. PACIFÍCO M. AUSTRIA.

U.S. Information Center: Thomas Jefferson Library, 3,192, Ramon Magsaysay Blvd., Manila.

MEDICINE, PHARMACY

Colegio Médico-Farmacéutico de Filipinas, Inc.: c/o College of Pharmacy, University of the Philippines, Quezon City; f. 1899; Pres. Dr. JOSÉ M. BARCELONA; Sec.-Treas. Dr. RAMÓN R. ANGELES.

Manila Medical Society: 1201 Florida Street, Manila; f. 1902; 1,249 mems.; Pres. Dr. EDGARDO T. CAMPARAS; Sec.-Treas. Dr. ERLINDA T. NOVALES.

Philippine Medical Association: P.M.A. House, 1850 Taft Avenue, Manila; f. 1903; 61 comp. societies; 19 affiliated speciality societies; Pres. Dr. BENJAMÍN R. ROA; Sec.-Treas. Dr. JOSÉ C. DENOGA; publ. *Journal.*

Philippine Pediatric Society, Inc.: Philippine General Hospital, Taft Avenue, Manila; f. 1947; 313 mems.; Pres. Dr. LINO ED. LIM; Sec.-Treas. Dr. PERLA DIZON SANTOS-OCAMPO; publ. *Philippine Journal of Pediatrics* (bi-monthly).

Philippine Pharmaceutical Association: 1313 M.H. del Pilar, Ermita, Manila; f. and incorporated 1920; 44 brs.; 3,787 mems.; Pres. Mrs. LOURDES TALAG ECHAUZ Sr.; Sec. Miss ROSARIO B. CAPISTRANO; Treas. Mrs. SALUD D. CAMPOMANES; publ. *Journal.*

NUMISMATICS

Philippine Numismatic and Antiquarian Society: 1340 España Street, Manila; f. 1929; 70 mems.; Pres. JESÚS P. CELIS; Sec. JOSÉDE LOS REYES; publ. *Monographs of the Philippine Numismatic and Antiquarian Society.*

NUTRITION

Philippine Association of Nutrition: c/o Nutrition Foundation of the Philippines Inc., 1580 Taft Avenue, corner Herran, Manila; Pres. Dr. EUFRONIO O. CARRASCO; Sec. Dr. MINERVA BELÉN-INCIONG.

PARASITOLOGY

Philippine Society of Parasitology: Dept. of Parasitology, Institute of Hygiene, University of the Philippines, Manila; f. 1930; Pres. MARIONO G. YAGORE, Jr.; Vice-Pres. JOSÉ B. MENDIZA; Sec.-Treas. BENJAMÍN D. CABRERA.

SCIENCE

Society for the Advancement of Research: College of Agriculture, Laguna; f. 1930; 173 active mems., 95 associates; Pres. BIENVENIDO O. JULIANO; Sec. MARIO O. SAN JUAN.

TECHNOLOGY

United Technological Organisations of the Philippines: 512-516 Samanillo Blg. Escolta, Manila; f. 1946; 5 affiliated organisations; 780 mems.; Pres. M. M. AYCARDO, Jr.; Sec. ANTONIO LOTA; publ. *Utop Record* (annual).

Philippine Association of Civil Engineers (Pace): 441 Manga Avenue, Sta. Mesa, Manila; f. 1937; 300 mems.; Pres. JOSÉ F. JACINTO; Sec. GODOFREDO J. MARQUEZ.

Philippine Association of Mechanical and Electrical Engineers (PAMEE): P.O. Box 416, Manila; f. 1930; 350 mems.; Pres. WERNER A. FISCHER; Vice-Pres. CIRIACO Y CORONEL; Sec. J. C. MORALES.

Philippine Institute of Chemical Engineers: 386-B España Extension, Quezon City; f. 1939; 2,037 mems.; Pres. PROSPERO UY-BARRETA; Sec. RAFAEL S. FRANCIA; publ. *Proceedings of Technical Sessions.*

Philippine Society of Civil Engineers: c/o Bureau of Public Works, Bonifacio Drive, Manila; f. 1918; assumed present title 1933; Pres. FLORENCIO MORENO; Sec.-Treas. TOMAS DE GUZMÁN; publ. *The Philippine Engineering Record* (quarterly).

Philippine Society of Mining, Metallurgical, and Geological Engineers: P.O. Box 1595, Manila; f. 1940; 117 mems.; Pres. JONES R. CASTRO; Sec.-Treas. LEOPOLDO F. ABAD.

VETERINARY MEDICINE

Philippine Veterinary Medical Association: Bureau of Animal Industry Building, Pandacan, Manila; f. 1907; 227 mems.; Pres. Dr. ANACLETO B. CORONEL; Sec.-Treas. Dr. TEOFISTO M. CAPULONG.

RESEARCH INSTITUTES

National Research Council of the Philippines: University of the Philippines, Quezon City; f. 1934.

Chairman: (Vacant).
Vice-Chairman: Eng. MANUEL I. FELIZARDO.
Executive Secretary: Dr. PATROCINIO VALENZUELA.
Assistant Executive Secretary: Dr. ALFREDO C. SANTOS.

CHAIRMEN OF DIVISIONS:

Government, Foreign and Educational Relations: Dr. MANUEL L. CARREON.
Physical and Mathematical Sciences: Dr. CASIMIRO DEL ROSARIO.
Medical Sciences: Dr. JUAN SALCEDO, Jr.
Chemical and Pharmaceutical Sciences: Dr. JOAQUÍN M. MARAÑÓN.
Biological Sciences: Dr. LEOPOLDO B. UICHANCO.
Agriculture and Forestry: Dr. FRANCISCO M. FRONDA.
Engineering and Industrial Research: Dr. AMANDO CLEMENTE.
Social Sciences: Dr. AMANDO M. DALISAY.

COMMISSION ON VOLCANOLOGY:

Chairman: ELPIDIO C. VERA.
Members: BENJAMÍN GOZÓN, ROMÁN L. KINTANAR, Dr. MATEO H. TUPAS.
Executive Secretary: ARTURO ALCARAZ.

GOVERNMENT BUREAUX (with Directors):
(not under control of the National Research Council)

Agricultural Extension: ANTONIO DURANO.
Animal Industry: ANACLETO B. CORONEL.
Census and Statistics: MANUEL E. BUENAFE.
Coast and Geodetic Survey: Capt. ANGEL G. DE JESÚS.
Fisheries: HERACLIO R. MONTALBÁN.
Forestry: TIBURCIO S. SEREVO.
Health: Dr. JESÚS A. NOLASCO.
Hospitals: Dr. PEDRO L. MAYUGA.
Mines: BENJAMÍN GOZÓN.
National Museum: Dr. EDUARDO QUISUMBING.
Plant Industry: EUGENIO E. CRUZ.
Soil Conservation: Dr. RICARDO T. MARFORI.
Weather: Dr. ROMÁN L. KINTANAR.

National Science Development Board: Port Area, Manila.

Chairman: Dr. JUAN SALCEDO, Jr.
Vice-Chairman and Executive Director: Dr. GREGORIO Y ZARA.

MEMBERS OF THE BOARD:

Chairman, National Research Council of the Philippines: (Vacant).
Commissioner, National Institute of Science and Technology: Dr. CANUTO G. MANUEL.
Acting Commissioner, Philippine Atomic Energy Commission: PEDRO G. AFABLE.
Acting Director of the Office of National Planning, National Economic Council: Dr. CONSTANCIO ANCHETA.
Representing University of the Philippines: Dr. ENRIQUE T. VIRATA.
Representing Industry: JOSÉ P. MARCELO.
Representing Scientific and/or Technological Associations or Societies: Dr. JOSÉ A. FERNÁNDEZ.
Representing Agriculture: (Vacant).
Representing Education: Hon. ALEJANDRO R. ROCES.

GOVERNMENT INSTITUTES
(Under the National Science Development Board)

National Institute of Science and Technology: 727 Herran Street (P.O. Box 774), Manila; Commissioner Dr. CANUTO G. MANUEL; Deputy Commissioner F. YENKO.

Food and Nutrition Research Center: Dir. Dr. CONRADO R. PASCUAL.
Industrial Research Center: Acting Dir. MARTIN JUGO.
Medical Research Center: Dir. Dr. ROGELIO RELOVA.
Biological Research Center: Acting Dir. Mrs. LUZ B. ARCEGA.
Agricultural Research Center: Dir. (Vacant).

Philippine Atomic Energy Commission: 727 Herran St., Manila; f. 1958; Commissioner PEDRO G. AFABLE (Acting).

Philippine Atomic Research Center: Dir. LIBRADO D. IBE.

LIBRARIES

Ateneo de Manila University Library: P.O. Box 154, Loyola Heights, Quezon City; Padre Faura, Manila; 66,000 vols. collegiate and graduate levels and law; Dir. Rev. R. J. SUCHAN, S.J.

Bureau of Public Libraries (*National Library*): San Luis, Ermita, Manila; 247,511 vols.; Dir. CARLOS QUIRINO.

Division of Documentation, National Institute of Science and Technology (formerly *Bureau of Science*): 727 Herran Street, P.O. Box 774; f. 1901; possessed in 1941 the largest collection of technical and scientific publications in the Far East; burned in War of Liberation 1945; present staff 43 mems.; collection over 20,000 bound vols. and 350,000 periodicals, bulletins and pamphlets; Chief QUINTIN AYSON EALA.

Far Eastern University Library: Quezon Boulevard, Manila; 50,000 vols.; Librarian Mrs. POTENCIANA D. DAVID.

Manila City Library: Manila; Superintendent EDUARDO MALONES.

Philippine Women's University Library: Taft Avenue, Manila; 42,900 vols.; Librarian Mrs. ELOISA OSORIO-CANLAS.

Silliman University Library: Dumaguete City; f. 1901; 71,000 vols.; Librarian GORGONIO D. SIEGA.

University of Manila Central Library: 546 Alejandro VI, Sampaloc, Manila; 22,600 vols.; other libraries 18,000 vols.; Chief Librarian TEÓFILO A. PAGARIGAN.

University of Santo Tomás Library: España Street, Manila; 182,000 vols., 80,000 vols. in General Library; collections of Filipiniana and rare and ancient books; special libraries of Ecclesiastical Faculties, Medicine, Music, Engineering, Fine Arts and Commerce; High School and Elementary School libraries; Prefect of Libraries Fr. JESÚS M. MERINO ANTOLÍNEZ, O.P.; Librarian Mrs. CANDIDA CABATU-AGCAOILI.

University of the East Library: Claro M. Recto Avenue, Manila; 56,600 vols.; Librarian NARCISA F. TIOCO.

University of the Philippines Library: Diliman, Quezon City; 291,076 vols.; 30 brs.; Librarian MARINA G. DAYRIT.

MUSEUMS

National Museum: Taft Av., Herran St., Manila; f. 1901; Divisions of Anthropology, Botany, Geology-Palæontology, Zoology, and Art Gallery and History; Dir. GALO B. OCAMPO; recently acquired three private libraries: Rehder's of Harvard Univ., Gagnepain's of Paris Museum of Natural History, and Beccari's of Italy.

Santo Tomás Museum: Manila; f. before 1682, re-organised 1865; Divisions of Natural History, (Ethnology (in cluding Numismatics), Archæology including Cera-mics), and an Art Gallery; Bibliographical Section includes books and maps of the 15th, 16th, 17th and 18th centuries; Dir. Rev. Fr. JESÚS M. MERINO ANTOLÍNEZ, O.P.; Curator VICENTE PADILLA.

UNIVERSITIES

ADAMSON UNIVERSITY

213 SAN MARCELINO, ERMITA, MANILA

Telephone: 3-22-67.

Founded 1932.

President: Dr. G. L. ADAMSON.
Registrar: A. A. ADAMSON.
Librarian: FRANCISCO SINGSON.

Number of teachers: 124.
Number of students: 3,026.
Publications: *Adamson University Bulletin of Information, Adamson Chronicle.*

DEANS:

College of Liberal Arts and Sciences: E. G. ADAMSON.
College of Education: HERMENEGILDO SORIANO.
College of Pharmacy: Dr. JUAN ROSALES.
College of Law: ARTEMIO M. LOBRIN.
College of Commerce and Business Administration: NARCISO ALDAYA.
School of Architecture: CARLOS DA SILVA.
College of Engineering: Dr. G. L. ADAMSON (acting).

HEADS OF DEPARTMENTS:

Chemical Engineering: NARCISO CASTASUS.
Industrial Engineering: DIEGO P. RUBIO.
Mechanical and Electrical Engineering: HERMINIO SORIANO.
Civil Engineering: RAMÓN MADRIGAL.
Mining Engineering: W. A. KRANE.
Postgraduate Studies in Education: Dr. CLETO M. OLIVERAS.
Postgraduate Studies in Chemistry: Dr. G. L. ADAMSON.

PROFESSORS:

ADAMSON, A. A., Management
ADAMSON, E., French, Diplomatic Correspondence
ADAMSON, G. L., Chemistry
AGUIRRE, MARIANO, Domestic Trade
ALBA, VICENTE, Management
ALDAYA, NARCISO, Accounting
ALIP, EUFRONIO, Educational Research
CADA, ILUMINADO, Pharmacy
CAMPO, ANGEL, Mechanical Engineering
CANTOR, FELIPE, Political Science
CASTASUS, NARCISO, Chemical Engineering
DA SILVA, CARLOS, Architecture
DAR JUAN, OBDULIA, Chemistry
DECIPEDA, VICENTE, Mechanical Engineering
DICHOSO, GRACIANO, Civil Engineering
FLOR, FRANCISCO, Mathematics
GO, FELIX, Mathematics
GONZALES, CARLOS, Law
GUILAS, JOSE, Education
KRANE, W. A., Mining Engineering
LAGON, FELIPE, English
LOBRIN, ARTEMIO M., Law
LOGAN, ROSARIO, Spanish
MADRIGAL, RAMÓN, Mathematics
MIL, SEVERO, Education
OLIVERAS, CLETO M., Education, Psychology
OPINIÓN, OLIVERIO, Law
RAMIRO, MARIANO, Chemistry
REYES, AUGUSTO, Political Science
RIVERO, NORBERTO, Botany
ROSALES, JUAN, Pharmacy
ROSARIO, GODOFREDO DEL K., Law
RUBIO, DIEGO P., Industrial Engineering, Ceramics
RUIZ, MARIANO, Chemical Engineering
SAGUINDAN, CARMELITA, Chemistry
SALVADOE, MELCHOR, Physics
SANTOS, GODUARDO, Civil Engineering
SANTOS, RECAREDO, Chemistry
SISON, TREFILO, Business
SOLIVEN, FLORENCIO, Chemistry
SORIANO, HERMENEGILDO, Mathematics
SORIANO, HERMINIO, Electrical Engineering
TAGGAOA, FERNANDO, Social Science
TUPAS, PEDRO, Banking and Finance
UNGSON, LOURDES, English
VILLEGAS, ANTONIO, Chemistry

ARANETA UNIVERSITY

VICTONETA PARK, RIZAL

Telephone: 2-26-71.

Founded 1946.

Preidsent: Dr. SALVADOR ARANETA.
Chief Administrative Officer: OBED JOSÉ MENESES.
Registrar: FILOMENO N. LANTION.
Librarian: Mrs. YOLANDA P. FRANCO.

Number of teachers: 151.
Number of students: 3,047.
Publications: *Araneta Journal of Agriculture, The Furrows.*

DEANS:

Freshmen Institute: OBED JOSÉ MENESES.
Institute of Agriculture: Dr. JOSÉ M. CAPINPIN.
Institute of Veterinary Medicine: Dr. ZACARIAS DE JESÚS.
Institute of Animal Husbandry: Dr. FORTUNATO T. BASILIO.
Institute of Engineering: Prof. JOSÉ M. SEGOVIA.
Institute of Public Business, and Agricultural Administration: SERAFÍN V. GUINGONA.
Institute of Arts and Malay Culture: SERAFÍN V. GUINGONA.
Institute of Education and Extension: Prof. DOMINGO B. PAGUIRIGAN.
Institute of Science: Dr. ANTONIO I. DE LEÓN.
Institute of Graduate Studies and Applied Research: Dr. DEOGRACIAS V. VILLADOLID.
Institute of Economic Studies and Social Action: Dr. SALVADOR ARANETA.

PROFESSORS:

ACEVEDO, RAMÓN, Biological Science
AQUINO, DIONISIO I., Soil Science
ASIS, EDITH G., Education
BASILIO, FORTUNATO T., Veterinary Science, Animal Husbandry
CAPINPIN, JOSÉ M., Genetics
CRUZ, SANTIAGO R., Agricultural Engineering
FAJARDO, T. G., Plant Pathology, Virology
GUINGONA, SERAFÍN V. C., Spanish, Government Law
JESÚS, ZACARÍAS DE, Veterinary Science
LEÓN, ANTONIO I. DE, Chemistry

MENESES, OBED JOSÉ, Political Science, Law
PAGUIRIGAN, DOMINGO B., Extension, Horticulture
PERALTA, FERNANDO DE., Botany
QUISUMBING, EDUARDO, Botany
ROLDÁN, EMILIANO F., Plant Pathology
SOGOVIA, JOSÉ M., Engineering Subjects
SULIT, JOSÉ P., Chemistry, Food Production
TRITZ, Rev. Fr. PIERRE, Religion, Psychology
VILLADOLID, DEOGRACIAS V., Biology, Marine Science

ARELLANO UNIVERSITY

2600 LEGARDA STREET, SAMPALOC, MANILA

Telephone: 3-54-98.

Founded 1938.

President: FLORENTINO CAYCO.

DEANS:

Graduate School: FLORENTINO CAYCO.
Arellano Law College: E. VOLTAIRE GARCÍA.
College of Arts and Sciences: JOSEFA V. LEBRON.
College of Education: LORENZA O. DE JESÚS.
College of Commerce: FRANCISCO J. OLAMPO.
Normal College: ENRIQUETA R. BENÁVIDES.

ATENEO DE MANILA UNIVERSITY

P.O. BOX 154, LOYOLA HEIGHTS, QUEZON CITY

Telephone: 7-35-11.

University 1959.

President: Rev. J. F. DONELAN, S.J.
Librarian: R. SUCHAN, S.J.

Number of students: 5,024.
Publications: *Philippine Studies, Guidon, Heights.*

DEANS:

College of Arts: N. KUNKEL, S.J.
Graduate School of Arts and Sciences: CARMEN DÍAZ TAÑEDO.
Graduate School of Business: FRANCISCO ARANETA, S.J.
College of Law: LUIS TORRALBA, S.J.

PROFESSORS:

BARCELON, EMETERIO, Spanish
DARLING, F., Political Science
ELIAZO, JOSÉ, S.J., Spanish
IRWIN, H., S.J., English, Philosophy
LANDE, C., Political Science
MCCULLOUGH, H., S.J., Philosophy
MCPHELIN, M., S.J., Economics
MULVEY, D., S.J., Economics
SCHMITT, W., S.J., Chemistry

CENTRAL PHILIPPINRS UNIVERSITY

ILOILO CITY

Telephone: 35-01.

Founded 1903.

President: L. A. NELSON.
Registrar: C. D. DRILON.
Librarian: ELIZABETH CHAMBERS.

Number of teachers: 198.
Number of students: 4,071.
Publication: *Echo* (student paper), *Centralite* (student annual), *Link* (Alumni organ).

DEANS:

College of Agriculture: J. L. EDGE.
College of Arts and Sciences: DEOGRACIAS GALIA (*a.i.*).
College of Commerce: NATIVIDAD G. SITCHON.
College of Education: E. S. HERRADURA.
College of Engineering: J. Y. TAMAYO.
School of Graduate Studies: M. B. RUIZ.
College of Law: J. C. ORENDAIN.
College of Nursing: LORETO D. TUPAZ.
College of Pharmacy: CARMELINA J. JALBUENA (*a.i.*).
College of Theology: WANDA KELLEY (*a.i.*).

CENTRO ESCOLAR UNIVERSITY (Women's University)

MENDIOLA STREET, MANILA

Telephone: 3-26-28.

Founded 1907.

President: PILAR H. LIM.
Executive Vice-President: Mrs. MINERVA G. LAUDICO.
Vice-President for Research and Development: Dr. PAZ POLICARPIO-MÉNDEZ.
Vice-President for Academic Affairs: DIONISIO C. TIONGCO.
Registrar: Mrs. MINERVA G. LAUDICO.
Librarian: Prof. ISIDORO SANIEL.

Number of teachers: 253.
Number of students: 7,513.
Publications: *Faculty and Graduate Studies, Scholar, Rose and Leaf, CEU Nutritionist, Medical Technologist, CEU Optometric Digest.*

DEANS:

College of Arts and Sciences: DIONISIO C. TIONGCO.
College of Chemistry: Mrs. PURIFICACIÓN SUACO.
College of Commerce and Secretarial Administration: Dr. ALBERTO REYES.
College of Dentistry: Dr. JOSÉ VALTE.
College of Foods and Nutrition: JULIETA TADIE.
College of Medical Technology: Dr. PORFIRIO DE GUÍA.
College of Music: Dr. ANTONIO J. MOLINA.
College of Optometry: Dr. AVELINO REYES.
College of Pharmacy: Dr. CONCEPCIÓN C. ARANDA.
College of Social Work: Mrs. MINERVA C. LAUDICO.
Teachers College: Dr. EMILIA R. VILLACERÁN.
Graduate School: Dr. PAZ POLIGARPIO-MÉNDEZ.

HEADS OF DEPARTMENTS:

CHAN, JOVITA, Mathematics
FABIA, ANICETO, Political Science
FELIZARDO, MAMERTA, Zoology
GUZMÁN, ADELA F., Spanish
GUZMÁN, LOURDES, History
JAVIER, MARÍA, Physical Education
LACÓNICO, NORMA V., Audio-Visual Education
MARAÑÓN, JOAQUÍN, Scientific and Technological Research
MELCHOR, CATALINA B., Home Economics
PLANA, EPIFANIA B., General Science
RAMOS, ALICIA JOSÉ, Psychology
REGALADO, INIGO ED., Filipino
REYES, ALBERTO, Economics
REYES, FELICIANA A., English
REYES, ISABEL GARCÍA, Botany
SANIEL, ISIDORO, Library Science
SANTOS, ANTONIO, Physics
SUACO, PURIFICATIÓN, Chemistry
TRINIDAD, VELIA, Anatomy
VILLACERÁN, EMILIA R., Education

UNIVERSITY OF THE EAST

MANILA

Telephone: 3-36-81.

Founded 1946 as the Philippine College of Commerce and Business Administration; University of the East 1951.

President and Founder: FRANCISCO DALUPAN.
Vice-President: VICENTE ALBANO PACIS.
Secretary: JOSÉ L. TORRES.
Registrar: FIDEL R. COLMENAR.
Dean of Women: PAZ ADRIANO.
Chief Librarian: NARCISA F. TIOCO.

Library of approx. 67,200 volumes.
Number of teachers: Main Campus 844, Medical Center 163, Caloocan City Campus 53.
Number of students: 53,652.
Publications: *Dawn, Panorama, Dental Gazette, Economic Research Journal, U.E. Founder, U.E. Bulletin, U.E. Landmark, U.E. Business Review, U.E. Law Journal, Aesculapian, U.E. Alumnus, U.E. Students' Business Review* (commerce), *Expression, College of Liberal Arts and Sciences Bulletin.*

DEANS:

Graduate School of Business: SANTIAGO F. DE LA CRUZ.
Graduate School of Education: AMPARO S. LARDIZABAL.
College of Liberal Arts and Sciences: CONRADO P. AQUINO.
College of Education: AMPARO S. LARDIZABAL.
College of Commerce: SANTIAGO F. DE LA CRUZ.
College of Law: RUPERTO G. MARTÍN.
College of Dentistry: GENARO FELIZARDO.
College of Medicine: JOSE CUYEGKENG.
College of Nursing: PURITA F. ASPERILLA.
UERM Hospital: RICARDO F. SEBASTIAN (Director).
College of Engineering: MARIANO T. HIDALGO.
Secretarial School: AMPARO E. SANTOS (Director).

School for Music and Arts: ANTONINO BUENAVENTURA.
Vocational-Technical Institute: MARIANO T. HIDALGO (Director) (acting).
University High School: LUISA M. DE JESÚS (Principal).
Secondary Training Department: FELICÍSIMO A. SANTOS (Director).
Elementary Training Department: CANUTO P. CASIM (Director).
Caloocan Branch of the University: GERARDO ABANILLA (Director).

PROFESSORS:

ADRIANO, PAZ V., English, Euthenics
ALBA, LEODEGARIO S., Mercantile Law, Private Corporations
ALIKPALA, FEDERICO C., Mercantile Law, Private Corporations, Insurance Law
AQUINO, ANTONIO F., Accountancy
AQUINO, CONRADO P., Philosophy, English
ASIS, A. A., Management
BARREDO, ANTONIO P., Civil Procedure, Evidence, Special Proceedings, Remedial Law Review
CASIM, CANUTO P., Education
CASIÑO, JESÚS A., Accounting
CASTILLEJO, LINO J., Economics
CASTILLO, ANDRÉS V., Economics
CRUZ, SANTIAGO F. DE LA, Accountancy, C.P.A. Review
DALISAY, AMANDO M., Economics
ESGUERRA, SALVADOR, Public and Private International Law, Constitutional Law
ESPIRITU, SOCORRO C., Public and Private International Law
FELIZARDO, GENARO B., Operative Dentistry
GALANG, RICARDO C., Management
GINETE, PEDRO A., Finance
GOPENGCO, SIMEÓN M., Labour and Industrial Law, Mercantile Law
GREGORIO, ANTONIO L., Property
HEIDENREICH, A., English
HIDALGO, MARIANO T., Engineering
HSIEH, YU MING, Mathematics, Physics
LARDIZABAL, AMPARO S., Education
LIAO, SHUBERT C., Economics
LORENZO, FELICIDAD C., Oral Histology
MAKALINTAL, QUERUBE, Obligations and Contracts, Property, Succession and Administration
MARTIN, RUPERTO G., Philippine Political Law, Constitutional Law, Administration and Election Laws
MONTESA, AGUSTÍN T., Criminal Law, Criminal Procedure, Practice Court
PACIS, VICENTE ALBANO, Political Science
PALMA, RODOLFO, Succession, Civil Law Review
PARAS, EDGARDO L., Succession, Private International Law
PUNSALAN, JOSEFINA J., Accounting
SANTOS, ALEJANDRO DE, Remedial Law Review
TOBIAS, PABLO D., Accountancy
TOLENTINO, ARTURO M., Persons and Family Relations, Obligations and Contracts
TORRES, JOSÉ L., Accountancy
TRINIDAD, JOSÉ P., Finance
VETO, W. L., Transportation and Public Service Law

LECTURERS WITH THE STATUS OF PROFESSORS:

AGLORO, JAIME R., Criminal Law, Roman Law, Legal History
ANZURES, PABLO, Legal Medicine, Legal Forms and Brief Making, etc.
BATACÁN, DELFÍN F. L., Constitutional Law, Philippine Political Law
CRUZ, FEDERICO, Dental Jurisprudence
FERIA, LUIS R., Agency, Criminal Procedure
JESUS, GUILLERMO DE, Law
LANTIN, GREGORIO T., Legal Medicine, Criminal Law, Criminal Procedure
MARTÍNEZ, ARSENIO I., Labour and Industrial Laws
NOBLEJAS, ANTONIO H., Law on Natural Resources, Land Titles and Deeds
PEÑA, NARCISO, Law of Natural Resources
QUISUMBING, EDUARDO, Botany
ROA, BERNARDO, General Pathology
SALCEDO, ANGEL S., Military Law, Philippine Political Law, Legal Bibliography
SANTOS, ARTURO, Obligations and Contracts

FAR EASTERN UNIVERSITY

P.O. BOX 609, MANILA

Telephone: 4-90-21.

Founded 1928 as Institute of Accountancy, incorporated in 1934 as Far Eastern University.

President: TEODORO EVANGELISTA.
Vice-President: NICANOR REYES, Jr.
Registrar: ANTONIO T. JÍMENEZ.
Public Relations Officer: ALFONSO P. POLICARPIO.
Chief Librarian: POTENCIANA DAVID.

The library contains 98,185 volumes.
Number of teachers: 1,300.
Number of students: 52,194.

DEANS:

Institute of Accounts, Business and Finance: BELÉN ENRILE-GUTIÉRREZ.
Institute of Arts and Sciences: JOSEPHINE COJUANGCO-REYES.
Institute of Education: HILDA S. DIZON.
Institute of Graduate Studies: ELIODORO G. ROBLES.
Institute of Law: CRISPIN D. BAIZAS.
Institute of Medicine: LAURO H. PANGANIBAN.
Institute of Nursing: FELICIDAD C. ELEGADO.
Institute of Technology: GILBERTO G. MERCADO.

DIRECTORS:

Hospital Director: RICARDO ALFONSO.
Medical Clinic: DR. AUREO F. GÚTIÉRREZ.
Physical Education: ALFREDO M. REYES.
School of Nursing (Graduate Course): LUCRECIA LLANERA.

FEATI UNIVERSITY
(formerly Feati Institute of Technology)

MANILA

Telephone: 4-59-51.

Founded 1946.

President: DR. VICTORIA L. DE ARANETA, DR.BUS.ADM.
Executive Vice-President: G. Y. ZARA, D.SC.
Executive Secretary: H. B. BIÑAS, A.B., LL.B.
Registrar: PEDRO M. GANCHORRE, E.T.C., B.S.E.
Librarian: FLORO L. PERITO, A.F.S., B.S.E.

The library has 19,694 volumes.
Number of teachers: 550.
Number of students: 16,163 men, 2,162 women.

DEANS:

Graduate School: G. Y. ZARA, D.SC.
Institute of Engineering and Technology: G. Y. ZARA, D.SC.
Institute of Science: G. Y. ZARA, D.SC.
Institute of Architecture: ALEJANDRO ARELLANO, B.S.ARCH.
Institute of Liberal Arts and Education: DANIEL M. SALCEDO, PH.B., M.A., ED.D.
Institute of Business Administration: RODOLFO ANDAL.
Institute of Research: G. Y. ZARA, D.SC.
Institute of Vocational and Technical Education: S. A. OPEÑA, B.S.M.E.

UNIVERSITY OF MANILA

665 ALEJANDRO VI, SAMPALOC, MANILA

Telephone: 3-38-03.

Founded 1913.

President: HELEN D. SANTOS.
Executive Vice-President: VIRGILIO DE LOS SANTOS.
Asst. Treasurer: OPHELIA ELEOSIDA-SANTOS.
Administrative Officer: FLOR DE LYS SANTOS-HOUSTON.
Registrar: EUFEMIO C. DOMINGO.
Chief Librarian: LETICIA SANTOS-DOMINGO.

Publications: *The Campus Leader, The University of Manila Journal of East Asiatic Studies, The Law Gazette.*

DEANS:

College of Liberal Arts: RUBÉN EUGENIO.
College of Law: VIRGILIO DE LOS SANTOS.
College of Business Administration: VALENTÍN A. FRANCISCO.
College of Education: ENCARNACIÓN R. LOZADA.
School of Foreign Service: C. O. HOUSTON, Jr.

PROFESSORS:

ALAGAR, FILOMENO, Zoology, Science
ALBA, LEODEGARIO S., Commercial Law
ALLEN, NATIVIDAD M., Education
ARAMBULO, ROSARIO L., Botany and Science
ARCILLA, RICARDO A., Sociology, Philosophy
ARUEGO, JOSÉ M., Constitutional Law, Political Law, Political Science
BUÑAG, MAXIMINO, Education
CALIP, JOSÉ, History
CASTILLO, INOCENCIA L., Science, Education
COQUIA, JORGE, Jurisprudence, Roman Law
DOMINGO, EUFEMIO, Spanish, Law
DOMINGO, LETICIA S., Library Science
ELEOSIDA, GREGORIO T., Accountancy
EUGENIO, RUBÉN J. B., History, Political Science
FRANCISCO, VALENTÍN A., Accounting, Economics, Political Science
HOUSTON, C. O., Jr., History

JAMIAS, CARMELO J,. English
JOVEN, MARCIANO, Political Science
JURADO, DESIDERIO P., Civil Law
LEÓN, JACINTO R. DE, Filipino
LOZADA, ENCARNACIÓN R., Education, Mathematics, Psychology
MIRANDA, GREGORIO, Economics
NOLASCO, RAMÓN, Civil Procedure
PAREDES, JESÚS, Criminology
PÉREZ, PRIMITIVA, Education
RAMOS, DAMACENO, Business Mathematics, Statistics
RAQUEL, MARCIANO, Education, Psychology
SAGMIT, DEMETRIO, Chemistry
SANTOS, ALBINA J., Education
SANTOS, ALEJANDRO DE, Civil Procedure
SANTOS, CORDELIA LL, DE LOS, Home Economics
SANTOS, VIRGILIO DE LOS, Political Law, International Law
SANTOS HOUSTON, FLOR DE LYS, English
TAGLE, EDUARDO, Civil Law
VENTURA, FRANCISCO, Land Registration and Criminal Procedure
VILLAMOR, JULIO, Law

MANILA CENTRAL UNIVERSITY

OROQUIETA, MANILA

Telephone: 3-77-69.

Founded 1904.

President: FILEMON TANCHOCO.

DEANS:

College of Medicine: ALFREDO L. ORTIZ.
College of Pharmacy: JOSÉ MENCIAS (acting).
College of Dentistry: JOSÉ REFERENTE.
College of Liberal Arts and Education, and Normal College: Dr. EUGENIA REUS-BEUCLER.
College of Business Administration: DELFÍN T. MUSNI.
College of Nursing: ADELA CAMPOS.
School of Midwifery: Dr. GUILLERMO DEL CASTILLO.
Graduate School of Pharmacy: Dr. ALFREDO L. GUERRERO.
Graduate School of Business Administration: I. MALAPITAN (acting).

MANUEL L. QUEZON UNIVERSITY

916 R. HIDALGO, QUIAPO, MANILA

Telephone: 3-05-41.

Founded 1947.

President: LEONCIO B. MONZÓN.
Executive Officer: ANSELMO CLAUDIO.
Registrar: ROBERTO T. TIRONA.
Librarian: CARMEN CASTRO.

Number of teachers: 262.
Number of students: 7,176.
Publications: *Quezonian, MLQU Law Quarterly, MLQU Education Newsletter, Aeqitas, Junior Quezonian, MLQU School of Engineering and Architecture Journal.*

DEANS:

Faculty of Law: LEONCIO B. MONZÓN.
Faculty of Arts and Science: AGUSTÍN S. ALONZO.
Faculty of Commerce: HORACIO LAVA.
Faculty of Education: FRANCISCA B. R. TRINIDAD.
Faculty of Graduate Studies: AUGUSTO A. ITURRALDE.
Faculty of Engineering and Architecture: FÉLIX V. ESPINO.

MINDANAO STATE UNIVERSITY

MARAWI CITY

Telephone: 222-A.

Founded 1961.

President: Dr. ANTONIO ISIDRO.
Registrar: Datu MAUYAG M. TAMANO.
Librarian: Mrs. EDNA CAPISTRANO-DE LOS SANTOS.

Number of teachers: 56.
Number of students: 1,125.
Publication: *The Varsitarian.*

DEANS:

Faculty of Engineering: ALBERTO VILLARES.
Faculty of Fisheries: DOMICIANO K. VILLALUZ.

NATIONAL UNIVERSITY

551 LIPA STREET, SAMPALOC, MANILA

Telephone: 6-64-31.

Founded 1900.

President: DOMINGO L. JHOCSON.
Educational Consultant: BENITO PANGILINAN.
Registrar: VICENTE C. QUIMBO.
Head of Graduate School: Dr. ELIAS F. BUMATAY.

DEANS:

College of Law: Dr. PEDRO Y. YLAGAN.
College of Commerce: LETICIA J. PAGUIA.
College of Dentistry: Dr. FEDERICO A. EUGENIO.
College of Pharmacy: MARIA V. GUTIÉRREZ.
College of Education: BENITO PANGILINAN.
College of Liberal Arts: Dr. ELIAS F. BUMATAY.
College of Engineering and Architecture: EPIFANIO N. SALUMBIDES, Jr.

UNIVERSITY OF NEGROS OCCIDENTAL-RECOLETOS

BACOLOD CITY

Telephone: 569.

Founded 1941.

Rector: Very Rev. Fr. SALVADOR LERGA, O.S.R.A., PH.B.
Registrar: JOSÉ MA. KILAYKO, A.B., LL.B.
Librarian: CRISTINA NATAL BARRERA, B.S.E.

Number of teachers: 110.
Number of students: 3,795.
Publications: *The Tolentine Star, UNO-R Journal.*

DEANS:

Graduate School: TIBURCIO J. TUMBAGAHAN, A.B., M.A., ED.D.
Liberal Arts: DOMINADOR Y. ZARAGOZA, B.S.E., A.B., M.A.
Law: JOSÉ Y. MONTALVO, Jr., A.A., LL.B.
Education: SUSANA T. PADILLA, E.T.C., B.S.E., A.B., M.A.
Commerce: EDUARDO L. LABAYEN, B.S.C., C.R.A.
Pharmacy: FLORA A. CONSUNJI, B.S. PHARM.
Engineering: VICENTE T. BOOT, B.S.C.E.
High School Department: LETICIA M. DE LA RAMA, B.S.E., M.A.
Elementary Department: GLORIA M. TAJANLANGIT, E.T.C., B.S.E.

UNIVERSITY OF NUEVA CACERES

NAGA CITY

Telephone: 9287.

Founded 1948.

Chancellor: Dr. JAIME HERNÁNDEZ.
Vice-Chancellor: Mrs. DOLORES H. SISON.
Principal: ALEJANDRO GLORIA.
Registrar: FRANK P. MACANDOG.
Librarian: PERPETUA SERVIÑO.

Number of teachers: 174.
Number of students: 6,141.
Publications: *Neuva Caceres* (bimonthly), *Red and Gray* (annual).

DEANS:

College of Liberal Arts: BIENVENIDO N. SANTOS.
College of Engineering: JOSÉ F. ORDÓNEZ.
College of Commerce: PERFECTO PALMA.
College of Education: J. B. SOLER.
College of Law: JOSÉ T. SURTIDA.
School of Nursing: Mrs. GLORIA T. SILVA (Principal).

PHILIPPINE WOMEN'S UNIVERSITY

TAFT AVENUE, MANILA

Telephone: 5-96-61.

Founded 1919.

Chairman of the Board of Trustees: Dr. CONRADO BENÍTEZ.
Vice-Chairman: TOMAS C. BENÍTEZ.
President: Dr. FRANCISCA TIRONA-BENÍTEZ.
Executive Vice-President: HELENA Z. BENÍTEZ.
Secretary-General: LETICIA PÉREZ DE GUZMÁN.
Registrar: SALUD O. LUSTRE.
Director, University Services: Dr. REMEDIOS NOGUERA.
Librarian: ELOISA OSORIO CANLAS.

Number of teachers: 454.
Number of students: 5,164.
Publications: *The Philwomenian, The Maroon and White, Newsletter, The Philippine Educational Forum,* etc.

DEANS AND HEADS OF DEPARTMENTS:

College of Home Economics and Department of Nutrition: Dr. MARIA FE G. ATIENZA.
College of Liberal Arts and Sciences: AMALIA MATA MONTECILLO.
College of Pharmacy: Dr. ELVIRA FERMÍN-SILVA.
College of Music and Fine Arts: LUCRECIA R. KASILAG.
College of Education: Dr. PURA MEDINA FLORES.
College of Business Administration: TOMAS C. BENÍTEZ (acting).
Graduate School: Dr. MARIA CID PERALTA.
Philippine Women's College, Iloilo Branch: Miss ELOISA T. YULO (acting).
Philippine Women's College, Davao Branch: ROSA SANTOS MUNDA.
Institute of Human Relations: Dir. Dr. ESTEFANIA ALDABA-LIM.
Community College: LETICIA P. DE GUZMÁN.
Community Extension Service: Dir. JOSEFA JARA MARTÍNEZ (Director).
Graduate School of Social Work: Dr. ANGELINA C. ALMANZOR.
High School Department: JULIA J. CALIXTO (Principal).
Natural Sciences Research Center: Dr. LUZ OLIVEROS-BELARDO.
Child Education Department: DOREEN B. GAMBOA.
Moral Social and Civic Education: ANTONIO V. ULGADO.
Freshman Division: PURIFICACIÓN MANZO TORRES.
Intern's School: FRATERNIDAD J. GONZÁLEZ.
Institute of Filipino Language and Culture: PARALUMAN SANTOS ASPILLERA.
Bayanihan Folk Arts Center: HELENA Z. BENÍTEZ.
Department of Biological Sciences: ALICIA MARAVILLAS-STA. MARÍA (Chairman).
Department of Chemistry: GUADALUPE AGENA.
Health Center: Dr. NELLY ANGELA HERRERA (Director).

UNIVERSITY OF THE PHILIPPINES

DILMAN, RIZAL

Telephone: 7-99-36.

Founded 1908.

A State University.

President: Dr. CARLOS P. RÓMULO.
Executive Vice-President: Dr. ENRIQUE T. VIRATA.
Vice-President for External Studies: Dr. ALFREDO T. MORALES.
Vice-President for Agricultural and Forestry Affairs: Dr. DIOSCORO L. UMALI.
Business Executive: Prof. JOSÉ C. CAMPOS, Jr.
Dean of Student Affairs: Prof. ARTURO M. GUERRERO.
Registrar: V. BOBIS (Acting).
Secretary: ILUMINADA PANLILIO.
Librarian: MARINA G. DAYRIT.

Number of teachers: 1,118.
Number of students: 17,270.

DEANS:

Graduate School of Arts and Sciences: Dr. ONOFRE D. CORPUZ (Acting).
College of Law: VICENTE ABAD SANTOS.
College of Uusiness Administration: CESAR VIRATA.
College of Arts and Sciences: FRANCISCO NEMENZO.
College of Architecture and Fine Arts: VIRGINIA F. AGBAYANI.
Graduate College of Education: Dr. ALFREDO T. MORALES.
Institute of Hygiene: Dr. VÍCTOR C. VALENZUELA.
College of Engineering: OSCAR BAGUIO.
College of Medicine: BÉNJAMIN BARRERA.
College of Nursing: JULITA V. SOTEJO.
College of Home Economics: EVA GONZÁLEZ.
College of Agriculture: Dr. DIOSCORO L. UMALI.
College of Pharmacy: Dr. JUANITO B. ABCEDE.
College of Dentistry: Dr. JOSÉ D. RODRÍGUEZ.
College of Veterinary Medicine: Dr. TEODULO TOPACIO.
College of Forestry: GREGORIO ZAMUCO.
Graduate School of Public Administration: CARLOS P. RAMOS.
Iloilo College: Dr. PEDRO ABELARDE.
University College: Dr. CESAR A. MAJUL.
U.P. College, Baguio: Dr. FELIXBERTO STA. MARIA.
U.P. College, Tarlac: Dr. PASCUAL CAPIZ (Acting).

DIRECTORS:

Extension Division, Manila: Prof. D. G. WICO.
Asian Labor Education Center: RAMÓN T. JIMÉNEZ.
Summer Institute: Dr. RAMÓN C. PORTUGAL.
Statistical Center: Dr. ENRIQUE T. VIRATA.
Clark Air Base Branch: Dr. TOMÁS S. FONACIER (in charge).
Institute of Asian Studies: Dr. RUBÉN SANTOS-CUYUGÁN.
Institute of Public Administration: Prof. CARLOS P. RAMOS.
Institute of Library Science: Prof. CONSUELO DAMASO (acting).
Conservatory of Music: Prof. RAMÓN TAPALES.
Institute of Economic Development and Research: Dr. AMADO A. CASTRO.
Agricultural Credit and Co-operatives Institute: Prof. NATHANIEL TABLANTE.
School of Allied Medical Professors: Dr. BENJAMÍN TAMESIS.

PROFESSORS:

ABAD SANTOS, VICENTE, Law
ABAYA, HERNANDO J., Philippine Institutions
ABELARDE, PEDRO E., Political Science
AGLIBUT, ANDRÉS P., Agricultural Engineering
AGONCILLO, TEODORO A., History
AMBION, BIENVENIDO C., Law
ARAGÓN, POTENCIANO R., Medical Microbiology
BAENS, ALFREDO, Obstetrics
BAGUIO, OSCAR, Mechanical Engineering
BARRERA, BENJAMÍN, Pathology
BARRIOS, CARLOS A., Law
BARTOLOMÉ, CÁNDIDO C., Physical Education
BESA, SOLITA C., Biochemistry
BLANDO, JOSÉ B., English and Spanish
BROWN, ADELAIDA B., Chemistry
CLAMA, VALERIANO C., Agronomy
CAMPOS, JOSÉ C., Jr., Law
CARRASCO, EUFRONIO O., Physiological Hygiene and Nutrition
CASTOR, AMADO A., Economics
CATAMBAY, ALEJANDRO B., Agricultural Engineering
CENDAÑA, SILVERIO M., Entomology and Zoology
DAYRIT, CONRADO, Pharmacology
DELIZO, TEODORO, Silviculture
DUALAN, JOSÉ, Anatomy
FAVILA, RAYMUNDO A., Mathematics
FONACIER, TOMÁS S., History
GALVEZ, NICOLÁS L., Soils
GANZON, GUADALUPE F., History
GONZAGA, ARCADIO, Veterinary Physiology and Pharmacology
GONZÁLEZ, ARSENIO, Geology
GUEVARA, SULPICIO, Law
JONGCO, ARTEMIO, Pediatrics
LESACA, REYNALDO, Public Health Engineering
LIN, CHIO-SHIH, Mathematics
MACEDA, JOSÉ, Piano
MAGRO, MELECIO, Physics
MAJUL, CÉSAR A., Political Science and Philosophy
MALAY, ARMANDO, Journalism and Philippine Institutions
MANAHAM, CONSTANTINO P., Gynæcology
MORALES, ALFREDO T., English
NEMENZO, FRANCISCO, Zoology
OCAMPO, GEMINIANO DE, Ophthalmology and Oto-Rhino-Laryngology
ORILLO, FAUSTINO, Plant Pathology
ORTIGAS, CRISÓSTOMO A., Mechanics and Mechanical Engineering
OSTREA, ENRIQUE, Mining Engineering
PASCUAL, RICARDO R., Philosophy
PÉREZ, PRESENTACIÓN, Home Economics
RAMOS, CARLOS P., Public Administration
REANTASO, SISEANDO R., Farm Superintendent
RODRÍGUEZ, JOSÉ, Dentistry
RÓMULO, CARLOS P., English
RUIZ, ENRIQUE, Architecture
SANTOS, ALFREDO C., Industrial Pharmacy and Pharmaceutical Chemistry
SILVA, JOSÉ, Medicine
SOLIONGO, I. P., Philippine Institutions
SOTEJO, JULITA V., Nursing
TABLANTE, NATHANIEL, Agricultural Economics
TAPALES, RAMÓN, Violin
TENMATAY, AUGUSTO, Chemistry
TORRES, LUIS, Jr., Urology
TUPAS, MATEO H., Geology and Geography
UMALI, DIOSCORO L., Plant Breeding
VALENZUELA, VÍCTOR C., Biostatistics
VELASCO, JOSÉ R., Plant Physiology
VELÁSQURZ, GREGORIO T., Botany
VERA SANTOS, JOSÉ, Botany

VILLA, VICTORINO G., Oral Histology and Pathology
VILLANUEVA, JOSÉ, Obstetrics
VILLANUEVA, LEOPOLDO J., Agricultural Chemistry
VIRATA, CÉSAR A., Business Administration
VIRATA, ENRIQUE T., Mathematics
YABES, LEOPOLDO Y., English and Humanities
YOGORE, MARIANO G., Parasitology
ZAMUCO, GREGORIO, Forest Utilization
ZARCO, ROMEO, Sanitary Bacteriology and Immunology

SAINT LOUIS UNIVERSITY

P.O. BOX 71, BAGUIO CITY

Telephone: 31-55.

Founded: 1911.

Rector: Rev. P. ZWAENEPOEL, C.I.C.M.
Vice-Rector: Rev. J. VAN BAUWEL, C.I.C.M.
Registrar: D. MILO.
Director of Libraries: Rev. J. ZWAENEPOEL, C.I.C.M.

Library of 43,201 volumes.
Number of teachers: 121.
Number of students: 3,805.
Publication: *White and Blue.*

REGENTS:

College of Engineering and Architecture: Rev. P. ZWAENEPOEL, C.I.C.M.
College of Commerce: Rev. G. DE VOS, C.I.C.M.
College of Education: Rev. E. VERLINDEN, C.I.C.M.
College of Law: Rev. J. VAN BAUWEL, C.I.C.M.
Graduate School: Rev. J. ZWAENEPOEL, C.I.C.M.

DEANS:

College of Engineering and Architecture: Engr. P. LLANES.
College of Commerce: G. GAROY.
College of Arts and Sciences: Rev. J. VAN BAUWEL, C.I.C.M.
College of Education: Sister MARIE MARTIN, I.C.M.
College of Law: F. CABATO.
Graduate School: Dr. A. GARCIA.
Dean of Men: Rev. F. SALS, C.I.C.M.
Dean of Women: Sister MARIE PAZ, I.C.M.

UNIVERSITY OF SAN AGUSTÍN

GENERAL LUNA STREET, ILOILO CITY

Telephone: 48-41.

Founded 1904.

Chancellor: Very Rev. Fr. EMILIANO M. VEGA, O.S.A., M.A.
Vice-Chancellor: Very Rev. Fr. SANTOS ABIA, O.S.A.
Rector: Very Rev. Fr. NICANOR LANA, O.S.A., M.S.
Vice-Rector: Rev. Fr. RAFAEL LÓPEZ, O.S.A., M.A.
Secretary-Registrar: Rev. Fr. ANGEL DULANTO, O.S.A., B.S.
Librarian: Rev. Fr. BIENVENIDO JUNQUERA, O.S.A., M.A.

Number of teachers: 297.
Number of students: 10,083.
Publications: *The Augustinian, The Augustinian Mirror, The Augustinian Yearbook,* etc.

DEANS:

Graduate School: Rev. Fr. JUAN MANUEL CHAGUCEDA, O.S.A., M.A., PH.D.
College of Law: B. H. TIROL, LL.B.
College of Dentistry: Miss LILY FULLON, D.M.D.
College of Pharmacy: Mrs. FLORA S. SALAS, M.S.
College of Technology: BENJAMIN HILADO, B.S.ARCH., B.S.C.E.
College of Commerce: ALFREDO JAVELLANA, C.P.A., LL.B.
College of Education: Mrs. JOSEFA C. CASTRO, M.A.
College of Liberal Arts: Rev. Fr. MANUEL FERNÁNDEZ, O.S.A., M.A.
Normal College: NORBERTO M. SALAMAT, B.S.E., M.A.
High School: Rev. Fr. HORACIO RODRÍGUEZ, O.S.A., M.A.
Elementary School: REYNALDO LATAQUIN, E.T.C., B.S.E., B.S.E.ED., M.A.

PROFESSORS:

CAMPOS, ENRIQUE P., Management
CASTRO, JOSEFA C., Education
CHAGUACEDA, JUAN M., O.S.A., Graduate Subjects
FERNÁNDEZ, MANUEL, O.S.A., Philosophy
FULLON, LILY, Dental Subjects
HILADO, BENJAMÍN, Engineering Subjects
JAVELLANA, ALFREDO, Accounting
JUNQUERA, BIENVENIDO, O.S.A., History
JUNTADO, L., Graduate School
LANA, NICANOR, O.S.A., Biology
RODIL, FORTUNATA, Graduate School
SALAMAT, NORBERTO, Normal Education
TIROL, BENJAMÍN, Law
TREÑAS, EFRAÍN, Court Practices

UNIVERSITY OF SAN CARLOS

P. DEL ROSARIO STREET, CEBU CITY

Telephone: 24-10, 24-19,

Founded 1595.

Rector: Very Rev. Fr. R. RAHMANN, S.V.D., PH.D.
Registrar: JOSÉ V. ARIAS.
Librarian: Rev. Fr. J. BAUMGARTNER, S.V.D.

Number of teachers: 340.
Number of students: 9,265.
Publications: *The Carolinian, The University Bulletin, Semper Fidelis, San Carlos Law Review, Alumni Newsletter.*

DEANS:

Graduate School: Rev. R. RAHMANN, S.V.D., PH.D.
College of Law: FULVIO C. B. PELÁEZ, LL.B.
College of Liberal Arts and Sciences: Rev. J. BERRY, S.V.D., M.A. (acting).
Teachers' College: Rev. R. KOLK, S.V.D., PH.D.
College of Commerce: JOSÉ G. TECSON, M.S.B.A., B.S.B.A.
College of Engineering and Architecture: JOSÉ A. F. RODRÍGUEZ, B.S.C.E.
College of Pharmacy: LETICIA GÓMEZ, PH.D. (acting).

UNIVERSITY OF SANTO TOMAS
(The Catholic University of the Philippines)

ESPAÑA STREET, MANILA

Telephone: 3-22-31.

Founded 1611.

Chancellor: Very Rev. Fr. ANICETO FERNÁNDEZ, O.P.
Vice-Chancellor: Very Rev. Fr. JESÚS DIAZ, O.P.
Rector: Very Rev. Fr. JUAN LABRADOR, O.P.
Secretary-General: Rev. Fr. ANTONIO GONZÁLEZ, O.P.
Registrar: Dr. NORBERTO DE RAMOS.
Librarian: Rev. Fr. RICARDO ROJO, O.P.

Number of teachers: 1,189.
Number of students: 29,479.
Publications: *Thomasian, Varsitarian, Voz Estudiantil, Journal of Medicine, Law Review, Veritas, The Aquinian, Benavides, Unitas, Boletín Eclesiástico, The Flame, Commerce Journal,* etc.

DEANS:

Faculty of Sacred Theology: Rev. Fr. VICTORIANO VICENTE, O.P.
Faculty of Canon Law: Rev. Fr. Dr. BERNABE ALONSO, O.P.
Faculty of Philosophy (Eccl.): Rev. Fr. CIRILO GUTIÉRREZ, O.P.
Faculty of Civil Law: Dr. ANTONIO M. MOLINA.
Faculty of Medicine and Surgery: Dr. BUENAVENTURA ANGTUACO.
Faculty of Pharmacy: Rev. Fr. LORENZO RODRÍGUEZ, O.P.
Faculty of Arts and Letters: Rev. Fr. TOMÁS MARTÍNEZ, O.P.
Faculty of Engineering: JOSÉ INOCENCIO, B.S.C.E.
College of Science: Rev. Fr. CIRIACO PEDROSA, O.P.
College of Commerce: Prof. FILEMÓN DE LAS ALAS.
College of Architecture and Fine Arts: Prof. ANTONIO COVARRUBIAS.
Graduate School: Rev. Fr. ALFREDO PANIZO, O.P.
Religion: Rev. Fr. FRANCISCO MENDOZA, O.P.
College of Education: Rev. Fr. Dr. ANTONIO GONZÁLEZ, O.P.
College of Nursing: Dr. JESÚS BACALA.
Conservatory of Music: (Vacant).

PROFESSORS:

Faculty of Civil Law:
ABOLA, LEONARDO, Property, Succession and Administration, Obligations and Contracts
BELMONTE, NICOLÁS, Land Titles and Deeds, Evidence
CAGUIOA, EDUARDO, L.LB., Civil Law
CONCEPCIÓN, ROBERTO, Persons and Family Relations, Administration and Electoral Laws, International Law

FERIA, JOSÉ, Civil Procedure, Criminal Procedure, Remedial Law Review
FERIA, LUIS, Criminal Law, Criminal Law Review
KARAAN, MARCELO P., Private Corporations, Law on Natural Resources, Legal and Judicial Ethics
OBEN, RAMÓN, Commercial Law

Faculty of Medicine and Surgery:
ANTONIO, DOMINGO, Jr., M.D., Head of Section of Urology
BARCELON GUEVARA, ANCIETA, M.D., Head of Section of Physical Diagnosis
CALMA, CLEMENTE, M.D., F.P.C.S., Head of Section of Head, Neck and Thorax
CANIZARES, MIGUEL, A.B., M.D., Head of Section of Physiology
CRUZ, ANDRES, M.D., Physiology and Pharmacology
ENRILE, RAFAEL, B.SC., M.D., Head of Section of Obstetrics
ESPINO-CABATIT, BELÚN, Biochemistry—Fluid and Electrolyte, Nutrition
EUSEBIO, JESUS, Ophthalmology and Oto-Rhino-Laryngology
GABRIEL, ANTONIO J., Parasitology
GONZÁLEZ, RODOLFO, M.D., F.P.C.S., Orthopædic Surgery
GUERRERO, FORTUNATO S., Thoracic Surgery
GUERRERO, RENATO, M.A., A.B., M.D., Pediatrics
LANTIN, PEDRO T., M.D., D.T.M., Head of Section of Infectious and Tropical Diseases
LEGASPI, ALFREDO, Gynæcology
LIBORO, AGUSTIN, A. B., M.D., Chief Consultant
MEDINA CUE, ERNESTO, M.D., Head of Section of Clinical Pathology
MENDOZA, TELESFORO, J., A.B., M.D., Embryology, Neuro-Anatomy
PARDO, LEOPOLDO, A.B., M.D., Head of Section of Neurology and Psychiatry
RAMOS, VIRGILIO, Orthopædic Surgery
REYES, EDMUNDO A., A.B., M.D., Ophthalmology
SANTILLAN-BAENS PAZ, Obstetrics
SANTOS, HERMÓGENES A., M.D., Head of Section of Internal Medicine
SURLA, CASTOR T., A.B., M.D., F.P.C.S., Head of Section of Abdominal Surgery
VALDÉS, BASILIO J., A.B., M.D., F.P.C.S., Orthopædics Surgery
VITUG, WENCESLAO, M.D., Head of Section of Renal and Endocrinological Diseases

Faculty of Pharmacy:
ALZONA-ATIENZA, BERNARDITA, Pharmacology, Physiology and Microbiology
BELMONTE, CARMEN M., Pharmacognosy
CAMPOS, JUSTINA E., Pharmacy, Biochemistry, Toxicology, Zoology, Galenicals
CARREON, FELIPE, Chemistry, Commercial Pharmacy, Plant Chemistry
DAYCO, JOSÉ, Practice of Pharmacy and Dispensing
DIY, ALFREDO, Pharmacognosy, Pharmaceutical Chemistry, Quantitative Chemistry, N.N.R., Qualitative Chemistry, Library Science
LIMCACO, PEDRO, Organic Chemistry
LUGAY, JOSÉ, Jr., Qualitative Chemistry, Electives, Manufacturing Pharmacy
MARAÑÓN, JOAQUÍN, Plant Chemistry, Seminar
REYES, ANGEL, Pharmacy, Latin, Biochemistry, Toxicology, History of Pharmacy
SURLA, MARCELINO T., Zoology, Botany, Mathematics

VALERIANO, LETICIA A., Botany, Pharmacognosy, Electives, Pharmaceutical Chemistry, Biochemistry, Pharmacodynamics

Faculty of Engineering:
INOCENCIO, JOSÉ, Structural Engineering
MIJARES, JOSÉ M., B.S.C.E.
NATIVIDAD, MARCIANO, Mining and Geological Engineering
TRONQUED, ANGEL, B.S.C.E.
TY HOANCHAY, FÉLIX, Chemical Engineering

Faculty of Arts and Letters:
ESTRADA, JOSEFA G., Political and Social Science
GARCÍA, CAROLINA, English
LECAROS, LOURDES, Spanish
MORENO, ELVIRA, Political and Social Science
PÉREZ, CONCEPCIÓN, Spanish

College of Science:
DÍAZ, CONCEPCÍON, Mathematics
ESGUERRA, ALFREDO, Physics
JOSÉ, ROSARIO, Mathematics and Physics
LEONOR, CONCEPCIÓN, Mathematics and Physics
MERCHAN, BERNARDO, Zoology and Botany
MOSSESSGELD, CONCEPCIÓN, Chemistry
OCAMPO, REMEDIOS, Zoology and Botany
PEDROSA CIRIACO, Mathematics and Physics
POZÓN, FLORENTINO, Zoology and Botany

College of Commerce and Business Administration:
APACIBLE, MARIANO B., Accounting
MOSSESGELD, AQUILES, F., Accounting, Banking, Insurance

College of Architecture and Fine Arts:
AUSTRIA, ALFREDO F., Plane Surveying, Trigonometry
EDADES, VICTORIO, Mural Decoration
MEDINA CUE, JOSÉ, Physics, Mechanics and Strength of Materials
MONTANER, MIGUEL, Surveying, Differential Calculus, Integral Calculus and Acoustics

Graduate School:
HERNÁNDEZ, JOSÉ, English Literature
JUAN, Fr. JACINTO DE, O.P., Mathematics
MELO, RUFINO, Economics
MERINO, R.Fr. JESÚS, Philosophy
PANIZO, Fr. ALFREDO, Philosophy
QUISUMBING, EDUARDO, Morphology of Medicinal Plants, Economic Botany
RODRÍGUEZ, Fr. LORENZO, Pharmacy, Deontology
WILMARTH, RAYMOND, Economics

College of Education:
ANINDO, PABLO, Bacteriology and Physiology
AVENA, Ma. STELLA, English and Social Science
COLAYCO, CLEMENCIA, English
ESCUETA, JOSEFINA, Home Economics
GABRIEL, ANTONIA, Chemistry
GIL, CONCEPCIÓN, English
LEONOR, CONCEPCIÓN, English
MENDOZA, Fr. FRANCISCO, Religion
MOTOMAL, JOSÉ, Education and General Science
PASICOLAN, PAZ, Spanish and Social Sciences
PERDICES, MARÍA CONSUELO, Home Economics
SAMANIEGO, LOURDES, Education, Psychology and Social Sciences
SANTAMARÍA, MERCEDES, History and Social Science
SERRANO, JOSEPHINE, English
SIAN, RICARDA S., Education and Mathematics

SILLIMAN UNIVERSITY

DUMAGUETE CITY, NEGROS ORIENTAL

Founded 1901.

President: Dr. CÍCERO D. CALDERÓN.
Executive Vice-President: Dr. ROBERT B. SILLIMAN.
Vice-President for Academic Affairs: Dr. MERTON D. MUNN.
Vice-President for External Affairs: FEDERICO MANGAHAS.
Registrar: RAYMUNDO R. DATO.
Comptroller Treasurer: DAVID P. RESPOSO.
Librarian: GORGONIO D. SIEGA.

Library of 90,000 volumes.

Number of teachers: 204, including 17 professors.

Number of students: 3,477.

Publications: *The Silliman Journal* (quarterly), *Sillimanian Magazine* (three times a year), *The Sillimanian* (fortnightly), *Sands and Coral* (annual literary magazine), *Portal* (yearbook), *Alumni Bulletin* (quarterly), *Junior Sillimanian Magazine* (three times a year), *The Nurse* (quarterly), *The Christian Leader* (quarterly).

DEANS:

College of Arts and Sciences: Dr. DALMACIO MARTÍN.
College of Education: Dr. LINO Q. ARQUIZA.
College of Engineering: JUAN B. ESCARDIA.
College of Law: CÍCERO D. CALDERÓN.
College of Theology: P. T. LAUBY.
College of Nursing: MARÍA CONCEPCIÓN M. ROBLE.
Graduate School: HERMAN C. GREGORIO.

PROFESSORS:

ARQUIZA, LINO Q., Education
CRESSEY, P. F., Sociology
FAUROT, ALBERT L., Music
GAUDIEL, FÉLIX G., Civil Law
GREGORIO, HERMAN C., Education
HART, DONN V., Anthropology
IMPERIAL, GERARDO A., Chemistry
LAUBY, P. T., Bible and Practical Theology
LYCAN, GILBERT, L., History
MUNN, MERTON D., Education
PAL, AGATON P., Sociology
RABOR, DIOSCORO S., Biology
ROWLAND, W., Journalism
SILLIMAN, METTA J., English
TIEMPO, EDILBERTO K., English
TIEMPO, EDITH L., English
TUGADE, RODRIGO R., International Law

UNIVERSITY OF SOUTHERN PHILIPPINES

MABINI STREET, CEBU CITY

Telephone: 2926.

President: AGUSTIN JEREZA.

Number of students: 3,000.

DEANS:

College of Liberal Arts: ELOISA LOPEZ.
College of Law: VICENTE FAELNAR.
College of Engineering: OSCAR JEREZA.
College of Commerce: JUAN ALBURO.
College of Education: MARTIN GUINID.
Graduate School: PEDRO DIMAYA.

SOUTHWESTERN UNIVERSITY

CEBU CITY

Founded 1946.

President: Mrs. ANUNCIACIÓN B. AZNAR.

Number of students: 8,130.

DEANS:

Faculty of Medicine: MANOLO FORNOLLES.
Faculty of Law: PRIMITIVO SATO.
Faculty of Liberal Arts: GABINO TABUÑAR.
Faculty of Dentistry: EDITH ZAGALA.
Faculty of Optometry: LOURDES GOTINGCO.
Faculty of Commerce: SEGUNDINO TORREFRANCA.
Faculty of Pharmacy: Mrs. RIZALINA GANZON.
Faculty of Engineering: MARIANO BARCENILLA.
Faculty of Education: SING GING SU.

UNIVERSITY OF THE VISAVAYAS

CEBU CITY

Telephone: 60-42, 68-41.

Founded 1919.

President: VICENTE GULLAS.
Executive Vice-President: EDUARDO R. GULLAS.
Registrar: CLARO L. MENDOZA.
Librarian: GREGORIO G. VILLAR.

Number of teachers: 457.
Number of students: 22,174.
Publications: *The Visayanian, The V-Spirit, U.V. Journal, The Freeman.*

DEANS:

Teachers College: NEMESIO GAMBITO.
College of Law: VICENTE ECHAVES.
College of Liberal Arts: GREGORIO URIARTE.
College of Pharmacy: YOLANDA OPORTO.
College of Criminology: REGALADO MAAMBONG.
College of Commerce: DIONISIO GONZALES.
Graduate School: ROSARIO GULLAS.
Student Affairs: CONCESA BADUEL.

XAVIER UNIVERSITY

CAGAYAN DE ORO CITY

Telephone: 227.

Founded 1933.

President: Rev. CORNELIUS J. QUIRKE, S.J.
Registrar: CATALINO S. BOQUIREN.
Librarian: BENIFREDO STA. MARIA.

Number of teachers: 111.
Number of students: 2,043.

DEANS:

Faculty of Law: AQUILINO PIMENTEL, Jr.
Faculty of Arts and Science: Rev. RENATO L. PUENTEVELLA, S.J.
Faculty of Education: MANUEL GAPUZ.
Faculty of Commerce and Business Administration: ROLAND PIIT.
Faculty of Agriculture: W. MASTERSON.
Graduate School: Rev. F. C. MADIGAN, S.J.

PROFESSORS:

GAMPP, Rev. ANTONY L., Philosophy and Theology
MADIGAN, Rev. FRANCIS C., Sociology
NICHOLSON, Rev. WILLIAM J., Economics

COLLEGES

Baguio Technical and Commercial College: P.O. Box 68, Baguio City; Pres. FERNANDO BAUTISTA; Registrar Mrs. APOLONIA D. ACADEMIA; Deans: Commerce ISABELO V. DACONES, Liberal Arts WILFREDO A. WI, Engineering GAUDENCIO SOLIVEN, Education Mrs. ROSA C. BAUTISTA, Home Economics Mrs. ILUMINADA C. BOADO; 113 teachers, 3,500 students; publs. *The Dynamo, Red and White.*

Mindanao Institute of Technology: Kabacan, Cotabato; f. 1954; departments of Agricutural Education, Trade and Industry, Home Economics, Pedagogy; Pres. D. D. CLEMENTE; 1,250 students.

Namei Polytechnic Institute: 524 Sales, Santa Cruz, Manila; f. 1947; courses in Naval Architecture, Mechanical, Electrical, Civil, Chemical, Diesel, Automotive, Refrigeration, Radio and Marine Engineering, Ship Drafting, Industrial Chemistry and Surveying; Pres. FELIX PADILLA; Dir. ARTEMIO Q. PASADAS; Registrar LEOPOLDO Z. SO.

Samar Institute of Technology: Catarman, Samar; f. 1957; departments of Agricultural Technology, Agricultural Engineering, Agricultural Education, Veterinary Medicine, Industrial Technology; Dir. T. G. SORIO; 2,800 students.

POLAND

Population 31,300,000

POLISH ACADEMY OF SCIENCES

PALACE OF CULTURE AND SCIENCES, WARSAW

Founded 1952

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Central publs. *Bulletin de L'Académie Polonaise des Sciences:* Series of *Biological Sciences* (monthly), Series of *Mathematical, Astronomical and Physical Sciences* (monthly), Series of *Chemical Sciences* (monthly), Series of *Geological and Geographical Sciences* (quarterly), Series of *Technical Sciences* (monthly), *Nauka Polska* (bimonthly), *The Review of the Polish Academy of Sciences* (quarterly), *Zurnal Polskoi Akademii Nauk* (quarterly, Russian version), *Revue de l'Académie Polonaise des Sciences* (quarterly), *Zeszyty Problemowe Nauki Polskiej* (periodical).

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Odquist, F. K. G., Sweden.
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Pavlov, Todor, Bulgaria.
Penfield, Wilder, Canada.
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Shabad, Lew M., U.S.S.R.
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Sneddon, I. N., Great Britain..
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Sukachev, Vladimir Nikolayvich, U.S.S.R.
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Tamm, Igor Yevgenievich, U.S.S.R.
Theorell, Hugo, Sweden.
Thilo, Erich, German Dem. Rep.
Tikhomirov, Mikhail Nikolayevich, U.S.S.R.
Tiselius, Arne, Sweden.
Tiurin, Ivan Vladimirovich, U.S.S.R.
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Zang, Chien Wei, China.
Zygmund, Antoni, U.S.A.

ACADEMY OF SCIENCES—AFFILIATED SOCIETIES

Instytut Zachodni (*Western Institute*): Poznań, Stary Rynek 2; f. 1945; for the study of Polish-German relations up to the present of Polish western territories, and of Western economic, political, social and cultural matters; Dir. Prof. Dr. ZDZISŁAW KACZMARCZYK; publ. *Przegląd Zachodni* (bi-monthly), *Polish-Western Affairs* (bi-annual).

Gdańskie Towarzystwo Naukowe (*Gdańsk Scientific Society*): Gdańsk, Al. Zwycięstwa 57; f. 1922 as Gdańsk Society of Friends of Science and Art; 227 mems.; Pres. Prof. Dr. JOZEF SAWLEWICZ; Sec. Prof. Dr. MARIAN ANTOSZ.

Sections:

Social Sciences and Humanities: Chair. Doc. Dr. LUDWIK BANDURA; publ. *Rocznik Gdański*.

Biology and Medicine: Chair. Prof. Dr. KAZIMIERZ ERECIŃSCI; publ. *Acta Biologica et Medica*.

Mathematics and Natural Sciences: Chair. Prof. Dr. STANISŁAW BYCZKOWSKI; publ. *Rozprawy Matematyczno-Przyrodnicze*.

Technical Sciences: Chair. Prof. Dr. Inz. STANISŁAW SZPOR; publ. *Acta Technica Gedanensia*.

Instytut Śląski (*Silesian Institute*): Opole, Luboszycka 3; f. 1957; Pres. Prof. Dr. STANISŁAW ROSPOND; Dir. Doc. Dr. ROMAN LUTMAN; publs. *Studia Śląskie, Komunikaty*.

Kierunki: Warsaw, ul. Mokotowska 43; f. 1956; Catholic; cultural and social; Dir. BOLESLAW PIASECKI; publ. *Kierunki*.

Łódzkie Towarzystwo Naukowe (*Łódź Scientific Society*): Łódź, Sienkiewicza 29; f. 1936; Pres. TADEUSZ KOTARBIŃSKI; Sec. JAN DYLIK; publs. *Rozprawy Komisji Językowej, Biuletyn Peryglacjalny, Bulletin de la Société des Sciences et des Lettres de Łódź, Sprawozdania z Czynności i Posiedzeń Łódzkiego Towarzystwa Naukowego, Przegląd Socjologiczny, Societatis Scientiarum Lodziensis Acta Chimica, Zagadnienia Rodzajów Literackich, Prace Polonistyczne, Acta Archæologica Lodziensia, Acta Anthropologica Lodziensia, Acta Geographica Łódziensia, Folia Medica Lodziensia* and others.

Opolskie Towarzystwo Przyjaciół Nauk (*Opole Society of Friends of Science*): Opole, ul. Zamkowa 2; Pres. Prof. Dr. M. HORN.

Płockie Towarzystwo Naukowe (*Płock Scientific Society*): Plock, Plac Narutowicza 8; f. 1820; 198 mems.; Pres. TADEUSZ GIERZYŃSKI; Sec. FRANCISZEK DOROBEK; publ. *Notatki Plockie* (quarterly).

Polskie Towarzystwo Anatomiczne (*Polish Anatomical Society*): Warsaw, Chałubińskiego 5; f. 1929; Pres. Prof. M. STELMASIAK; Sec. Dr. Z. BIELAŃSKA-OSUCHOWSKA; publ. *Folia Morphologica*.

Polskie Towarzystwo Antropologiczne (*Polish Anthropological Society*): Białystok, ul. Kilińskiego 1; f. 1925; Pres. Prof. Dr. TADEUSZ DZIERŻYKRAY-ROGALSKI; Sec. Prof. Dr. HALINA MILICEROWA; publs. *Przegląd Antropologiczny; Człowiek w. Czasie i Przestrzeni*.

Polskie Towarzystwo Anatomopatologów (*Polish Society of Pathologists*): Warsaw, Chałubińskiego 5; f. 1958; Pres. Prof. Dr. LUDWIK PASZKIEWICZ.

Polskie Towarzystwo Archeologiczne (*Polish Archæological Society*): Warsaw, Jezuicka 6; f. 1953; Pres. JÓZEF KOSTRZEWSKI; Sec. KRZYSZTOF DĄBROWSKI; publs. *Z Otchłani wiekow, Wiadomosci Numizmatyczne, Przegląd Archeologiczny, Biblioteka Archeologiczna, Popularno-Naukowa Biblioteka Archeologiezna*.

Polskie Towarzystwo Astronautyczne (*Polish Astronautical Society*): Warsaw, Pałac Kultury i Nauki, pok. 2324; f. 1956; 500 mems.; Pres. Prof. M. LUNC; Vice-Pres. Prof. Z. PACZKOWSKI, Prof. J. WALAWSKI; Exec. Sec. Dr. O. WOLCZEK; publ. *Astronautyka* (quarterly).

Polskie Towarzystwo Astronomiczne (*Polish Astronomical Society*): Warsaw, Al. Ujazdowskie 4; f. 1923; 128 mems.; Pres. Prof. Dr. W. ZONN; Sec. Dr. J. S. STODÓLKIEWICZ; publ. *Postępy Astronomii* (Progress in Astronomy).

Polskie Towarzystwo Biochemiczne (*Polish Biochemical Society*): Warsaw, Freta 16; f. 1958; Pres. Prof. Dr. K. ZAKRZEWSKI; Sec. Dr. T. KŁOPOTOWSKI.

Polskie Towarzystwo Botaniczne (*Polish Botanical Society*): Warsaw, ul. Rakowiecka 8; f. 1922; 850 mems.; library of 18,881 vols.; Pres. Prof. Dr. H. TELEZYŃSKI; Sec. Prof. Dr. T. GORCZYŃSKI; publs. include *Acta Societatis Botanicorum Poloniae, Acta Agrobotanica, Monographiae Botanicae, Rocznik Sekcji Dendrologicznej Pol. Tow. Bot., Wiadomości Botaniczne, Acta Mycologica*.

Polskie Towarzystwo Chemiczne (*Polish Chemical Society*): Warsaw, ul. Freta 16; f. 1919; 1,450 mems.; Pres. Prof. Dr. JÓZEF HURWIC; publs. *Wiadomości Chemiczne* (Chemical News), *Annales Societatis Chimicae Polonorum, Roczniki Chemii* (Annals of Chemistry) (monthly), *Komunikat Zaradu Głównego Polskiego Towarzystwa Chemicznego*.

Polskie Towarzystwo Ekonomiczne (*Polish Economic Society*): Warsaw, Nowy Świat 49; f. 1918; 9,873 mems.; Pres. Prof. Dr. EDWARD LIPIŃSKI; Scientific Sec. Prof. Dr. MIROSŁAW ORŁOWSKI; publs. *Ekonomista, Przegląd Statystyczny* (Statistical Review).

Polskie Towarzystwo Endokrynologiczne (*Polish Endocrinological Society*): Warsaw, Starynkiewicza 3; f. 1951; 500 mems.; Pres. Doc. Dr. Med. JERZY TETER; publs. bi-monthly Journal with English and Russian summaries.

Polskie Towarzystwo Farmaceutyczne (*Polish Pharmaceutical Society*): Warsaw, 16 Długa Str.; f. 1925; Pres. Prof. Dr. STANISWAW KRAUZE; Sec. Dr. EDMUND SZYSZKO; publs. *Acta Poloniae Pharmaceutica, Farmacia Polska*.

Polskie Towarzystwo Filologiczne (*Polish Philological Society*): Warsaw University, Krakowskie Przedmieście 26/28; f. 1893; 500 mems.; Pres. KAZIMIERZ KUMANIECKI; Gen. Sec. Dr. MARIA CYTOWSKA; publ. *Eos*.

Polskie Towarzystwo Filozoficzne (*Polish Philosophical Society*): Warsaw, Pałac Kultury i Nauki 1623; f. 1904; Pres. Prof. Dr. TADEUSZ KOTARBIŃSKI.

Polskie Towarzystwo Fizjologiczne (*Polish Physiological Society*): Lublin, Dymitrowa 9; f. 1936; to promote scientific activity in all fields of physiology; 403 mems.; Pres. WIESŁAW HOŁOBUT; Sec. WŁADYSŁAW STĄZKA; publ. *Acta Physiologica Polonica*.

Polskie Towarzystwo Fizyczne (*Polish Physical Society*): Warsaw, Hoza 69; f. 1921; 800 mems.; Chair. Prof. W. RUBINOWICZ; Sec. Doc. Dr. W. WAROLZYŃSKI; publs. *Postępy Fizyki* (Advances in Physics—in Polish), *Acta Physica Polonica* (in English, French, and German).

Polskie Towarzystwo Geograficzne (*Polish Geographical Society*): Warsaw, Krakowskie Przedmieście 30; f. 1917; 2,000 mems.; Pres. Prof. Dr. J. KONDRACKI; Sec. Mme. Dr. T. KOZŁOWSKA-SZCZESNA; publs. *Czasopismo Geograficzne* (quarterly), *Poznaj Świat* (monthly).

Polskie Towarzystwo Geologiczne (*Polish Geological Society*): Cracow, Oleandry 2a; f. 1921; 1,146 mems.; library of 11,811 vols.; Pres. Prof. Dr. H. ŚWIDZIŃSKI; Sec. Dr. R. UNRUG; publ. *Rocznik Polskiego Towarzy-*

stawa Geologicznego (Year Book of the Polish Geological Society).

Polskie Towarzystwo Gleboznawcze (*Polish Soil Society*): Warsaw, ul. Wisniowa 61; f. 1937; 640 mems.; Pres. LUCJAN KRÓLIKOWSKI; Sec. STANISŁAW MOSKAL; publs. *Roczniki Gleboznawcze, Przegląd Naukowej Literatury Rolniczej i Leśnej.*

Polskie Towarzystwo Higieny Psychicznej (*Polish Mental Hygiene Society*): Warsaw, Łowicka 7/15; f. 1958; Pres. Prof. Dr. KAZIMIERZ DABROWSKI; publ. *Kwartalnik Zdrowia Psychicznego* (quarterly).

Polskie Towarzystwo Historii Medycyny (*Polish Medical History Society*): Warsaw, Chocimska 22; f. 1957; Pres. Prof. Dr. STANISŁAW KONOPKA; Sec. ZBIGNIEW WOŹNIEWSKI; publ. *Archiwum Historii Medycyny* (quarterly).

Polskie Towarzystwo Historyczne (*Polish Historical Society*): Warsaw, Rynek Starego Miasta 31; f. 1886; 2,320 mems.; Pres. Prof. Dr. STANISŁAW HERBST; 39 local branches, 4 research centres; publs. *Przegląd Historyczny* (quarterly), *Sobotka-śląski Kwartalnik Historyczny* (quarterly), *Studia i Materiały do dziejów Wielkopolski i Pomorza* (series), *Małopolskie Studia Historyczne, Komununikaty Mazursko-Warmińskie* (quarterly), *Rocznik Białostocki, Rocznik lubelski, Rocznik Łódzki, Rocznik Grudziądzki, Rocznik Pilski.*

Polskie Towarzystwo Językoznawcze (*Polish Linguistic Society*): Cracow, Krupnicza 35; f. 1925; 330 mems.; Pres. ZDZISŁAW STIEBER; Sec. KAZIMIERZ POLAŃSKI; publ. *Biuletyn Polskiego Towarzystwa Językoznawczego.*

Polskie Towarzystwo Leśne (*Polish Forestry Society*): Warsaw, Wery Kostrzewy 3; f. 1882; 1,761 mems.; Pres. Prof. Dr. FRANCISZEK KRZYSIK; Sec. Mgr. inz. T. PARTYKA; publ. *Sylwan.*

Polskie Towarzystwo Ludoznawcze (*Polish Ethnographical Society*): Wrocław, Nankera 4; f. 1895; Pres. Prof. Dr. BOLESŁAW OLSZEWICZ; Sec. IGNACY KUŹNIEWSKI; publs. *Lud, Atlas Polskich Strojów Ludowych, Prace i Materiały Etnograficzne, Prace Etnologiczne, Literatura Ludowa, Archivum Etnograficzne, Biblioteka Popularna, Dzieła Wszystkie O. Kolberga.*

Polskie Towarzystwo Matematyczne (*Polish Mathematical Society*): Warsaw, ul. Śniadeckich 8; f. 1919; 555 mems.; Pres. Prof. Dr. FRANCISZEK LEJA; publs. *Roczniki Polskiego Towarzystwa Matematycznego: Prace Matematyczne, Wiadomości Matematyczne.*

Polskie Towarzystwo Mechaniki Teoretycznej i Stosowanej (*Polish Society for Theoretical and Applied Mechanics*): Warsaw, Palac Kultury i Nauki; f. 1958; brs. in Gdańsk, Gliwice, Crakow, Łódź, Poznań, Szczecin, Warsaw, Wrocław; 417 mems.; Pres. Prof. Dr. JERZY MUTERMILCH; Gen. Sec. Prof. Dr. ZBIGNIEW OLESIAK; publs. *Bulletin* (quarterly), *Mechanika Teoretyczna i Stosowana* (Theoretical and Applied Mechanics) (quarterly).

Polskie Towarzystwo Meteorologiczne i Hydrologiczne (*Polish Meteorological and Hydrological Society*): Warsaw, Pałac Kultury i Nauki; f. 1947; Pres. Prof. Dr. Ing. JULIAN LAMBOR; Sec. Doc. Dr. ZDZISŁAW KACZMAREK; publ. *Przegląd Geofizyczny* (Geophysical Review).

Polskie Towarzystwo Mikrobiologów (*Polish Society of Microbiologists*): Warsaw, Chocimska 24; Pres. Prof. Dr. JULIUSZ BRILL; Sec. Doc. Dr. ADAM DROZDOWICZ; publs. *Acta Mikrobiologica Polonica, Medycyna Doświadczalna i Mikrobiologica.*)

Polskie Towarzystwo Miłośników Astronomii (*Polish Amateur Astronomical Society*): Cracow, ul. Ludwika Solskiego 30/8; f. 1921; 2,400 mems.; Pres. Dr. JÓZEF SAŁABUN; publs. *Urania* (monthly) and annual scientific supplement.

Polskie Towarzystwo Nauk Weterynaryjnych (*Polish Veterinary Sciences Society*): Warsaw, Grochowska 272; f. 1952; 970 mems.; Pres. Doc. Dr. WIRTOR STEFANIAK Vice-Pres. Prof. Dr. EDMUND PROST; publ. *Medycyna Weterynaryjna.*

Polskie Towarzystwo Nautologiczne (*Polish Nautological Society*): Gdynia, ul. Waszyngtona 34-36; f. 1957; Pres. Prof. Dr. LUDWIK ZABROCKI; Sec. S. A. DRAPELLA;. publ. *Biuletyn Nautologiczny* (monthly).

Polskie Towarzystwo Orientalistyczne (*Polish Oriental Society*): Warsaw, Freta 16; f. 1922; Pres. JAN REYCHMAN; Sec. TADEUSZ POBOŹNIAK; publ. *Przegląd Orientalistyczny.*

Polskie Towarzystwo Parazytologiczne (*Polish Parasitological Society*): Wrocław, C., Norwida 29; f. 1948; 260 mems.; Pres. Prof. Dr. ZBIGNIEW KOZAR; publs. *Wiadomosci Parazytologiczne, Monografie Parazytologiczne.*

Polskie Towarzystwo Przyrodników im. Kopernika (*Polish "Copernicus" Society of Naturalists*): Warsaw, Pałac Kultury i Nauki; f. 1875; Pres. KAZIMIERZ MAŚLANKIEWICZ; Sec. WŁODZIMIERZ KINASTOWSKI; publs. *Wszechświat, Kosmos A.*

Polskie Towarzystwo Psychologiczne (*Polish Psychological Society*): Poznań, ul. Fredry 10; Pres. Prof. Dr. ANDRZEJ LEWICKI; Sec. Doc. Dr. KAZIMIERZ OBUCHOWSKI.

Polskie Towarzystwo Socjologiczne (*Polish Sociological Society*): Warsaw, Krakowskie Przedmieście 3; f. 1957; Pres. Prof. Dr. STANISŁAW OSSOWSKI; Sec. MARIA BIELIŃSKA-HIRSZOWICZ; publ. *Bulletin.*

Polskie Towarzystwo Turystyczno-Krajoznawcze (*Polish Tourist and Countrylovers' Society*): Warsaw, Senatorska 11; f. 1950 for the promotion of mountaineering and other outdoor sports and scientific research; library of 5,000 vols.; Pres. M. P. GAJEWSKI; Gen. Sec. S. STROGULSKI; publs. *Wierchy* (The Peaks), *Swiatowid* (Tourist Magazine), *Speleologia.*

Polskie Towarzystwo Zoologiczne (*Polish Zoological Society*): Wrocław, Sienkiewicza 21; f. 1935; 958 mems.; Pres. KAZIMIERZ SEMBRAT; Sec. ZBIGNIEW JARA; publs. *Zoologica Poloniae, Przegląd Zoologiczny, The Ring* (quarterlies).

Polskie Towarzystwo Zootechniczne (*Polish Zootechnical Society*): Warsaw, Kaliska 9; f. 1922; Pres. JAN KIELANOWSKI; Sec. WANDA TURKOWSKA; publ. *Przegląd Naukowej Literatury Zootechnicznej.*

Polski Związek Entomologiczny (*Polish Entomological Union*): Lublin, Akademicka 12; Pres. Prof. Dr. KONSTANTY STRAWIŃSKI; Sec. Mgr. DANUTA KABACIK; publs. *Polskie Pismo Entomologiczne, Klucze do oznaczania owadów Polski.*

Poznańskie Towarzystwo Przyjaciół Nauk (*Poznań Society of Friends of Arts and Sciences*): Poznań, ul. Sew Mielzyńskiego 27/29; f. 1857; 639 mems.; Pres. Prof. Dr. STEFAN BARBACKI; Sec.-Gen. Prof. Dr. GERARD LABUDA; publs. scientific, medical, historical, social, legal, philological and philosophical works, including *Roczniki Historyczne, Roczniki Dziejów Społecznych i Gospodarczych, Lingua Posnaniensis, Slavia Occidentalis, Bulletins de la Société des Amis des Sciences et des Lettres de Poznań*—Series B: *Sciences Mathématiques et Naturelles,* Series C: *Médecine,* Series D: *Sciences Biologiques; Badania Fizjograficzne nad Polska Zachodnia, Biuletyn Fonograficzny, Sprawozdania Poznańskiego Towarzystwa Przyjaciol Nauk, Annales Pharmaceutici*

Szczecińskie Towarzystwo Naukowe (*Szczecin Scientific Society*): Wielkopolska 19; f. 1956; Pres. Prof. Dr. LEON BABIŃSKI; Sec.-Gen. Prof. Dr. STEFAN KOWNAS; Sections (A) Social Sciences, (B) Agriculture and Natural Sciences, (C) Medicine, (D) Technical Sciences and Mathematics; publs. in each section *Series A, B, C, D.*

Towarzystwo Literackie im. Mickiewicza (*The Mickiewicz Literary Society*): Warsaw, Nowy Świat 72; f. 1886; Pres. Julian Krzyzańowski; Sec. Andrzej Kozłowski.

Towarzystwo Miłośników Historii i Zabytków Krakowa (*Society of Friends of the History and Monuments of Cracow*): Cracow, Sienna 16; f. 1897; Pres. Dr. Wiesław Bienkowski; Sec. Dr. Jan Matecki; publs. *Rocznik Krakowski, Biblioteka Krakowska, Kraków Dawniej i Dziś.*

Towarzystwo Miłośników Języka Polskiego (*Society of Friends of the Polish Language*): Cracow, Straszewskiego 27; Pres. Dr. Zenon Klemensiewicz; Sec. Franciszek Sławski; publ. *Jezyk Polski.*

Towarzystwo Naukowe Organizaeji i Kierownictwa (*Society of Scientific Organisation and Management*): Warsaw, Koszykowa 6; Pres. Prof. Dr. Marian Frank; Dir. Mgr. Witold Wudel; publ. *Przegląd Organizacji* (monthly).

Towarzystwo Naukowe Płockie (*Płock Scientific Society*): Płock, Plac Narutowicza 8; f. 1820; 198 mems.; Pres. Tadeusz Gierzyński; Sec. Franciszek Dorobek; publ. *Notatki Płockie* (quarterly).

Towarzystwo Naukowe w Toruniu (*Scientific Society of Toruń*): Toruń, ul. Wysoka 16; f. 1875; 292 mems.; concerned with historical, legal and social studies, philology and philosophy, mathematics, astronomy and natural sciences; library 19,750 titles; Pres. Prof. Dr. Konrad Gorski; Gen. Sec. Prof. Dr. M. Michniewicz; publs. include *Roczniki* (69 vols.), *Fontes* (55 vols.), *Zapiski Historyczne* (29 vols. concerned chiefly with the Pomeranian problems), *Prace Wydziatu Filologiczno-Filozoficznego, Sprawozdania, Studia Iuridica, Studia Societatis Scientiarum Torunensis.*

Towarzystwo Przyjaciół Nauk w Przemyślu (*Society of Science and Letters of Przemyśl*): Przemyśl, Plac Czackiego 3; f. 1909; Pres. Prof. Dr. F. Persowski; Sec.-Gen. Mgr. Z. Felczyński, Editor Dr. K. Wolski; publs. include *Roczniki* (68 vols.), *Fontes* (53 vols.) *Zapiski.*

Wrocławskie Towarzystwo Naukowe (*Wrocław Scientific Society*): Wrocław, Rosenbergów 13; f. 1946; Pres. Wiktor Bross; Sec. Jan Trzynadlowski; publs. include *Prace Wrocławskiego Towarzystwa Naukowego* (Series A: Humanistic Sciences, Series B: Exact Sciences), *Śląskie Prace Bibliograficzne i Bibliotekoznawcze, Rozprawy Komisji Jezykowej, Rozprawy Komisji Historii Sztuki, Archiwum Historyczne, Annales Silesiae.*

Związek Kompozytorów Polskich (*Union of Polish Composers*): Warsaw, Rynek Starego Miasta 27; organises annual Festival of Contemporary Music "The Warsaw Autumn".

Zwiazek Pisarzy Polskich (*Union of Polish Writers*): Warsaw, Krakowskie Prezedmiescie 87.

Zydowski Instytut Historyczny (*Jewish Historical Institute*): Warsaw, Al. Swierczewskiego 79; f. 1944; Dir. Bernard Mark; Sec. Adam Rutkowski; publs. *Bleter far Geszichte, Biuletyn Zydowskiego Instytutu Historycznego.*

Learned Societies Collaborating with the Polish Academy of Sciences

Bydgoskie Towarzystwo Naukowe (*Bydgoszcz Scientific Society*): Bydgoszcz, ul. Jana Olszewskiego 20; f. 1959; 168 mems.; Pres. Prof. Dr. Jan Małecki; Sec. Gen. mgr. ing. Mieczysław Feld; publ. *Bydgostiana.*

Instytut Baltycki: Instytut Badawczo Naukowy (*Baltic Institute*): Gdańsk, Długi Targ 46/47; f. 1925; Dir. Dr. Stanisław Potocki; Pres. Prof. Dr. Andrzej Bukowski.

Kieleckie Towarzystwo Naukowe (*Kielce Scientific Society*): Kielce, ul. Polskiego Czerwonego Krzyża 5; f. 1958; Pres. Edmund Massalski; Sec. St. Adamczyk.

Lubelskie Towarzystwo Naukowe (*Lublin Scientific Society*): lublin, Pl. Lirewski 5; f. 1958; Pres. Prof. Dr. Tadeusz Krwawicz; Sec. Prof. Dr. Tadeusz Zuliński.

Śląski Instytut Naukowy w Katowicach (*Silesian Scientific Institute*): Katowice, Francuska 12 f. 1957; Pres. Prof. Dr. Kazimierz Popiołek; Dir. Dr. Jacek Koraszewski; publs. *Zaranie Śląskie* (quarterly), *Biblioteczka Wiedzy o Śląsku* (series), *Biuletyn* (series).

Towarzystwo Przyjaciół Nauk w Przemyślu (*Przemyśl Society of Friends of Science*): Przemyśl, Plac Czackiego 3; f. 1909; Pres. Doc. Dr. Franciszek Persowski; Sec. Mgr. Zygmunt Felczyński.

Towarzystwo Przyjaciół Nauki i Sztuki w Rzeszowie (*Rzeszów Society of Friends of Science and Art*): Rzeszów, 3 Maja 19; Pres. Mgr. Władysław Kunisz; publ. *Rocznik Województwa Rzeszowskiego* (annually).

British Council, The: 59 Al. Jeroyolinskie, Warsaw; Representative T. W. Morray, O.B.E.

Frederic Chopin Society: Warsaw, ul. Okólnik 1; f. 1934; permanent Secretariat of the International Chopin Piano Competitions; central Chopin museum, archives and library; for study of Chopin's life and preparation of complete edition of his works; Sec. Gen. Mieczysław Harley; publs. *Complete Works, Chopin Annual.*

Naczelna Dyrekcja Archiwów Państoowych (*Main Directorate of the Polish State Archives*): Warsaw, Miodowa Street 10; f. 1945; Dir.-Gen. Henryk Altman; publ. *Archeion* (every six months).

Österreichisches Kulturinstitut: Ul. Prozna 8, Warsaw 1; Dir. Dr. Fritz Cocron.

ACADEMY OF SCIENCES—RESEARCH INSTITUTES

Documentation and Scientific Information Centre of the the Polish Academy of Sciences: Warsaw, Palac Staszica, Nowy Świat 72; Dir. Doc. Dr. Adam Wysocki; Publ. *Polish Scientific Periodicals* (author and subject directory).

Distribution Centre for Scientific Publications, Polish Academy of Sciences: Warsaw, Pałac Kultury i Nauki; f. 1954; services of the Centre include the foreign exchange of scientific publications, the importing of scientific journals and books for Academy mems. and the distribution of Polish scientific publications among Academy Centres and mems.; Dir. Arkadiusz Rozwadowski; publs. *Quarterly Review of Scientific Publications of the Polish Academy of Sciences* (English and Russian Edition).

History of Sciences and Technology Research Centre: Warsaw, Nowy Świat 72, Pałac Staszica; Dir. Prof. Dr. Bogdan Suchodolski; publ. *Kwartalnik Historii Nauki i Techniki* (quarterly), *Studia i Materiały z dziejów nauki polskiej, Monografie z dziejów nauki i techniki, Zrodla do dziejów nauki i techniki.*

Institute of Art (*Instytut Sztuki*): Warsaw, Dluga 26/28; Dir Prof. Dr. Jerzy Toeplitz; publs. *Biuletyn Historii Sztuki* (quarterly), *Polska Sztuka Ludowa* (quarterly), *Pamiętnik Teatralny* (quarterly), *Kwartalnik Filmowy* (quarterly), *Muzyka* (quarterly).

Section I—*Social Sciences.*

Committee for Ancient Culture: Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. KAZIMIERZ KUMANIECKI; publ. *Bibliotheca Latina Medii et Recentioris Aevi, Auctorum Graecorum et Latinorum Opuscula, Archiwum Filologiczne, Biblioteka Przekladów z Literlury Antycznej.*

Cracow Research Centre for Linguistics: Cracow, Straszewskiego 27; f. 1952; Dir. Prof. Dr. WITOLD TASZYCKI; publs. *Slownik Staropolski, Maly Atlas Gwar Polskich.*

Editorial Institute of the Polish Dialects Atlas and Dictionary: Cracow, Pl. Na Groblach 8; f. 1952; Dir. and Chair. of Editorial Board M. KARAŚ; publ. *The Polish Dialects Atlas.*

Editorial Office for Polish Bibliography (formerly Karol Estreicher Republication Centre of Polish 19th-Century Bibliography): Cracow, ul. Sławkowska 17; Dir. Prof. Dr. KAROL ESTREICHER.

Editorial Office for the Dictionary of Medieval Latin in Poland: Cracow, ul. Straszewskiego 27; f. 1949; Dir. Prof. Dr. MARIAN PLEZIA.

History of Education Centre: Warsaw, Pałac Staszica; f. 1953; Dir. Prof. Dr. LUKASZ KURDYDACHA; publs. *Monografie Dziejów Oswiaty, Rozprawy z Dziejów Oswiaty, Archiwum do Dziejów Oswiaty.*

Institute for History: Warsaw, Rynek Starego Miasta 29-31; Dir. Prof. Dr. TADEUSZ MANTEUFFEL; publs. *Kwartalnik Historyczny* (quarterly), *Odrodzenie i Reformacja w Polsce* (annual), *Studia Zródloznawcze* (annual), *Acta Polonia Historica* (half-yearly in foreign languages), *Najnowsze dzieje Polski. Materiaty i studia z okresu 1914-39, Najnowsze dzieje Polski z okresu II wojny swiatowej* (annual), *Polska Ludowa. Materialy i Studia* (annual), *Czasopismo Prawno-Historycne* (half-yearly).

Institute of Legal Sciences: Warsaw, Nowy Świat 72 (Pałac Staszica); f. 1956; Dir. Prof. Dr. MANFRED LACHS; periodical publs. *Państwo i Prawo* (monthly), *Droit Contemporain Polonais* (in French and English), *Studia Prawnicze, Problemy Rad Narodowych, Przegląd ustawodawstwa i czasopism prawniczych państw socjalistycznych* (quarterly).

Institute of Literary Research: Warsaw, Pałac Staszica, Nowy Świat 72; f. 1948; Dir. Prof. Dr. KAZIMIERZ WYKA; publ. *Pamiętnik Literacki* (Literary Journal).

Institute of Philosophy and Sociology: Warsaw, Pałac Staszica; f. 1956; Dir. Prof. Dr. ADAM SCHAFF; publs. *Studia Logica, Archiwum Historii Filozofii i Myśli Spolecznej, Studia Filozoficzne, Studia Mediewistyczne, Studia Socjologiczne, The Polish Sociological Bulletin, Mediaevalia Philosophica Polonorum, Materiały i Studia Zakladu Historii Filozofii Starozytnej i Sredniowiecznej, Biblioteka Pisarzy Reformacyjnych, Z Badań nad Klasą Robotniczą i Inteligencją, Badania nad Kulturą Masową, Studia Zakładu Socjologii Pracy.*

Institute of Polish Syntax: Cracow, Straszewskiego 27; f. 1952; Dir. (Vacant).

Institute of the History of Material Culture: Warsaw, Pałac Staszica, Nowy Świat 72; f. 1953; Dir. Prof. WITOLD HENSEL; publs. *The Quarterly History of the Material Culture, Archaeologia Polona, Archaeology of Poland, Archaeology, Bibliotheca Antiqua, Polish Archaeological Research, Archaeological Reports, Sources for the History of Material Culture, Studies of the History of Mining and Metallurgy, Studies in the History of Farming, Studies in History of Handicraft and Industry, Studies in History of Colonisation, Inventaria Archaelogica, Library of Polish Ethnography, Polish Ethnographic Atlas, Polish Ethnography.*

Institute of the Older Polish Language Dictionary: Cracow, Straszewskiego 27; f. 1952; Dir. STANISŁAW URBAŃCZYK; publ. *Slownik Staropolski* (The Older Polish Language Dictionary).

Institute of the Older Polish Proper Names Dictionary: Cracow, Straszewskiego 27; f. 1952; Dir. Prof. Dr. W. TASZYCKI.

Research Centre for Economic Sciences (*Zaklad Nauk Ekonomicznych Polskiej Akademii Nauk*): Warsaw, Pałac Kultury i Nauki; f. 1953; Dir. Prof. Dr. BRONISLAW MINC; publ. *Studia Ekonomiczne* (Economic Studies, every four months).

Research Centre for School System and Organisation: Warsaw, Pałac Stasciza; Dir. Mgr. FRANCISZEK BIELECKI.

Research Centre for the History of the Polish Press in the XIX and XX Centuries (*Pracownia Historii Czasopiśmiennictwa Polskiego XIX i XX w. PAN*): Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. JÓZEF SKRZYPEK.

Research Centre for Organisation of Work (*Pracownia Ogolnych Problemow Organizacji Pracy*): Warsaw, Pałac Staszica; Dir. Prof. Dr. JAN ZIELENIEWSKI.

Research Centre for Mediterranean Archæology: Warsaw, Pałac Kultury i Nauki; f. 1956; Dir. Prof. Dr. KAZIMIERZ MICHAŁOWSKI; publ. *Travaux du Centre d'Archéologie Méditerranéenne.*

Research Centre for Neophilology: Warsaw, Pałac Kultury i Nauki; f. 1955; Dir. Prof. Dr. MIECZYSŁAW BRAHMER.

Research Centre for Oriental Studies: Warsaw, Freta 16; f. 1953; Dir. Prof. Dr. ANANIASZ ZAJACZKOWSKI.

Research Centre for Polish Periodicals of the 19th and 20th Centuries: Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. JÓSEF SKRZYPEK.

Psychometrical Laboratory (*Pracownia Psychometryczna*): Warsaw, Pałac Kultury i Nauki; Dir. Dr. MIECZYSŁAW CHOYNOWSKI.

Research Centre for the Study of Ancient Civilisation (*Zaklad Nauk o Kulturze Antycznej*): Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. KAZIMIERZ KUMANIECKI; publ. *Bibliotheca Neolatina.*

Schools Organisation Research Centre (*Pracownie Ustroju i Organizacji Oswiaty*): Warsaw, Pałac Kultury i Nauki; Dir. Prof. Dr. MARIAN FALSKI.

Slavonic Research Centre: Warsaw, Pałac Kultury i Nauki; f. 1954; Dir. Prof. Dr. ZDZISŁAW STIEBER.

Warsaw Research Centre of Linguistics: Warsaw, Krakowskie Przedmieście 26/28; f. 1954; Dir. Prof. Dr. WITOLD DOROSZEWSKI.

Section II—*Biological Sciences.*

Botanical Institute: Cracow, Lubicz 46; f. 1954; Dir. Prof. Dr. BOGUMIŁ PAWŁOWSKI; publs. *Flora Polski, Atlas Flora Polski, Fragmenta Floristica et Geobotanica, Acta Palaeobotanica.*

Centre for Documentation of Evolutionism: Warsaw, Pałac Staszica, Nowy Świat 72; f. 1955; Dir. Prof. KAZIMIERZ PETRUSEWICZ.

Institute of Biochemistry and Biophysics: Warsaw, ul. Rakowiecka 8; f. 1957; research work in the fields of protein biosynthesis, metabolism of insects, plant biochemistry, chemistry and physical chemistry of nucleo-proteins and nucleic acids, biochemistry of the cell, biochemistry of micro-organisms; library; Dir. Prof. Dr. JÓZEF HELLER.

Institute of Parasitology: Warsaw 22, ul. Pasteura 3; f. 1952; scientific research work in the fields of biology and taxonomy of parasitic organisms, medical and veterinary parasitology; documentation centre and library; Dir. Prof. Dr. WŁODZIMIERZ MICHAJŁOW; publ. *Acta Parasitologica Polonica* (annual).

Institute of Zoology: Warsaw, ul. Wilcza 64; f. 1818; sections: insects; vertebrates; invertebrates; archives

and documents; exhibitions; ornithological station at Górki Wschodnie near Gdańsk; library of over 140,000 vols., 1,667 periodicals; Dir. Prof. Dr. JANUSZ NAST; publs. *Annales Zoologici, Fragmenta Faunistica, Acta Ornithologica, Memorabilia Zoologica.*

Branch: Poznań: Dir. Prof. Dr. ALEX. WRÓBLEWSKI.

Institute of Dendrology and Arboretum, The: Kórnik, nr. Poznań; f. 1952; Dir. Prof. Dr. STEFAN BIAŁOBOK; publs. *Arboretum Kórnickie* (annual), *Atlas of Distribution of Trees and Shrubs in Poland* (annual).

Institute of Ecology: Warsaw, Pałac Staszica, Nowy Świat 72; f. 1952; Dir. Prof. Dr. KAZIMIERZ PETRUSEWICZ.

Institute of Palæozoology (*Zaklad Paleozoologii PAN*): Warsaw, Żwirki i Wigury 6; f. 1952; Dir. Prof. ZOFIA KIELAN-JAWOROWSKA; publs. *Palæontologica, Polonica, Acta Palæontologica Polonica.*

Laboratory of Water Biology: Cracow, ul. Sławkowska 17; f. 1952; Dir. Prof. Dr. KAROL STARMACH; publ. *Acta Hydrobiologica.*

Mammals Research Institute: Białowieża, woj. Białystok; f. 1954; Dir. (vacant); publ. *Acta Theriologica.*

M. Nencki Institute of Experimental Biology: Warsaw, ul. Pasteura 3; f. 1920; scientific research work in the fields of experimental biology, biochemistry, neurophysiology, hydrobiology, and experimental psychology; library 42,000 vols.; Dir. Prof. W. NIEMIERKO; Asst. Dir. Prof. J. KONORSKI; publs. *Acta Biologiae Experimentalis, Polskie Archiwum Hydrobiologii, Acta Protozoologica.*

Research Centre for Anthropology: Wrocław, ul. Kuźnicza 35; f. 1952; Dir. ADAM WANKE; publ. *Materiały i Prace Antropologiczne.*

Research Centre for Experimental Zoology: Cracow, ul. Kopernika 7; Dir. Prof. Dr. STANISŁAW SKOWRON; publ. *Folia Biologica* (quarterly).

Research Centre for Nature Protection: Cracow, ul. Ariańska 1; f. 1920; research work on all problems relating to nature conservancy; library of 9,950 vols. and 1,014 periodicals; Acting Dir. Doc. Dr. ANNA MEDWECKA-KORNAŚ; publs. *Ochrona Przyrody* (Protection of Nature; annual), *Wydawnictwa popularno-naukowe* (Popular Scientific publications) Nos. 1-23, Editor Dr. WŁADYSŁAW SZAFER.

Section III—*Mathematical, Physical, Chemical, Geological and Geographical Sciences.*

Astronomical Institute of the Polish Academy of Sciences: Poznań, Słoneczna 36; f. 1957; Dir. Prof. Dr. JÓZEF WITKOWSKI.

Department of Astrophysics I: Toruń; Dir. Prof. Dr. W. IWANOWSKA; research in spectroscopy, stellar astronomy and radio-astronomy.

Department of Astrophysics II: Warsaw; Dir. Prof. Dr. W. ZONN; research in polarisation of light from stars, absorption, interstellar magnetic fields.

Department of Astrometry and Celestial Mechanics: Poznań, Sloneczna 36; Dir. Prof. Dr. J. WITKOWSKI; operates a Latitude Station at Borowiec (near Poznań).

Institute of Geography: Warsaw, Krakowskie Przedmieście 30; f. 1953; library of 65,000 vols., 1,200 atlases, 35,000 maps; there is in addition, in the same building, the library of the Geographical Institute of Warsaw University; Dir. Prof. Dr. STANISŁAW LESZCZYCKI; publs. *Przegląd Geograficzny* (quarterly), *Prace Geograficzne, Bibliografia Geografii Polskiej, Dokumentacja Geograficzna, Przegląd Zagranicznej Literatury Geograficznej.*

Institute of Mathematics: Warsaw, ul. Sniadeckich 8; f. 1948; local branches in Cracow, Poznań and Wrocław; Dir. KAZIMIERZ KURATOWSKI; publs. *Colloquium Mathematicum, Acta Arithmetica, Fundamenta Mathematicae, Studia Mathematica, Annales Polonici Mathematici, Monografie Matematyczne, Rozprawy Matematyczne, Zastosowania Matematyki.*

Institute of Mathematical Machines: Warsaw, Koszykowa 79; Dir. Asst. Prof. Dr. LEON ŁUKASZEWICZ; publs. *Prace Instytutu Maszyn Matematycznych PAN, Algorytmy.*

Institute of Nuclear Research (*Instytut Badan Jadrowych PAN*): Swierk k/Otwocka; Dir. PAWEL JAN NOWACKI; the institute has divisions as follows:
Warsaw-Zerán Centre: Dorodna 16, Zerán-Warsaw 9.
Soltan Centre: Swierk, k/Otwocka.

Institute of Physical Chemistry: Warsaw, Plocka 44/52; f. 1955; Dir. Prof. Dr. MICHAL ŚMIAŁOWSKI.

Institute of Physics of the Polish Academy of Sciences: Warsaw, ul. Zielna 37; f. 1953; Dir. Prof. Dr. LEONARD SOSONOWSKI; publ. *Acta Physica Polonica* (monthly).

Laboratory for Scientific Measuring Instruments: Warsaw, Al. Jerozolimskie 69; f. 1955; Dir. Ing. MARIAN ŁAZIŃSKI.

Research Institute for Geological Sciences: Warsaw, Żwirki i Wigury 6; f. 1956; Dir. Prof. Dr. KAZIMIERZ SMULIKOWSKI; publ. *Studia Geologica Polonica.*

Research Centre for Geophysics: Warsaw; Pałac Staszica, Nowy Świat 72; f. 1953; Dir. Prof. Dr. STEFAN MANCZARSKI; publs. *Acta Geophysica Polonica, Prace Obserwatorium Geofizycznego w Świdrze-Rocznik magnetyczny, Biuletyn Obserwatorium Sejsmologicznego w Warszawie, Biuletyn Ślaskiej Stacji Geofizycznej w Raciborzu, Biuletyn Geomagnetyczny Obserwatoriów Geofizynych w Świdrze i na Helu, Biuletyn geomagnetyczny (wstępny), Biuletyn Sejsmologiczny (wstępny).*

Research Centre for Organic Synthesis: Warsaw, Kasprzaka 44/52; f. 1954; Dir. TADEUSZ URBAŃSKI.

Section IV—*Technical Sciences.*

Institute of Fundamental Technical Problems: Warsaw, Świetokrzyska 21; f. 1952; Dir. Prof. Dr. WACLAW OLSZAK; publs. *Archiwum Mechaniki Stosowanej, Rozprawy Inzynierskie* (quarterly), *Archiwum Elektrotechniki* (quarterly), *Rozprawy Elektrotechniczne* (quarterly).

Institute of Fluid Flow Machinery (*Instytut Maszyn Przepływowych PAN*): Gdańsk-Wrzeszcz, Majakowskiego 11; f. 1956; Dir. Prof. dr. ROBERT SZEWALSKI; publs. *Archiwum Budowy Maszyn* (The Archive of Mechanical Engineering: quarterly), *Prace Instytutu Maszyn Przepływowych PAN* (Proceedings of the Institute of Fluid Flow Machinery: in series).

Institute of Hydro-engineering: Gdańsk-Wrzeszcz, ul. Majakowskiego 11; Gdańsk-Oliwa, ul. Cystersów, Pałac Opatów; f. 1953; 120 mems.; library of 15,000 vols.; Dir. Prof. Dr. STANISŁAW HUECKEL; publs. *Archiwum Hydrotechniki, Rozprawy Hydrotechniczne.*

Research Centre for Automation: Warsaw, Świetokrzyska 21; f. 1953; Dir. Dr. ANDRZEJ STRASZAK; publ. *Archiwum Automatyki i Telemechaniki* (quarterly).

Research Centre for Building Technology: Warsaw, ul. Skalmowski 2; f. 1945; research into the use of building materials and methods of construction.

Research Centre for Chemical Engineering and Construction of Apparatus: Gliwice, Strzody 21; f. 1958; Dir. Prof. Dr. TADEUSZ HOBLER.

Research Centre for the Theory of Machine Construction: Warsaw, Plac Jedności Robotniczej 1; Dir. Prof. Dr. ZBIGNIEW BRZOSKA.

Research Centre for Thermo-energetics: Warsaw, Nowowiejska 25; f. 1953; Dir. Prof. Dr. BOHDAN STEFANOWSKI, DR. h.c.

Research Institute for the Basic Problems of Architecture, Town-Planning and Construction: Warsaw, Nowy Świat 72, Pałac Staszica; Dir. Prof. Dr. BOHDAN PNIEWSKI.

Strata Mechanics Research Centre (*Zakład Mechaniki Górotworu*): Cracow, Al Mickiewicza 30; Dir. Prof. Dr. JERZY LITWINISZYN; publ. *Archiwum Górnictwa* (quarterly).

Section V—*Agricultural and Forestry Sciences.*

Laboratory of Comparative Pathology, Veterinary Institute (*Pracownia Patologii Porównawczej Instytutu Weterynarii*): Warsaw, ul. Lechicka 21; Dir. Prof. Dr. ABDON STRYSZAK.

Research Centre for Agricultural Economics and Production Management (*Pracownia Ekonomiki i Organizacji Produkcji Rolniczej*): Warsaw, Pałac Kultury i Nauki; Dir. Dr. WŁADISŁAW NOWICKI.

Research Centre for Agricultural Isotopic Studies (*Pracownia Rolniczych Badań Izotopowych*): Warsaw, Rakowiecką 8; Dir. Prof. Dr. MARIAN GORSKI.

Centre for Forestry Research: Cracow, Ojcowska 1; f 1956; Dir. Dr. TADEUSZ GIERUSZYŃSKI.

Institute of Animal Physiology and Nutrition: Jablonna, near Warsaw; Dir. Dr. JAN KIELANOWSKI; Asst. Dir. Dr. EUGENIUSZ DOMAŃSKI.

Research Centre for Experimental Animal Breeding: Warsaw, Nowy Świat 72; Dir. Doc. Dr. HENRYK JASIOROWSKI.

Research Centre for Genetics: Skierniewice, Osada Pałacowa; f. 1952; Dir. Prof. Dr. EDMUND MALINOWSKI.

Research Centre for Plant Breeding: Poznań, ul. Wojska Polskiego 71 c; f. 1951; Dir. Prof. Dr. STEFAN BARBACKI.

Research Centre for Plant Physiology: Cracow, Grodzka 53; f. 1956; Dir. Prof. Dr. FRANCISZEK GÓRSKI.

Section VI—*Medical Sciences.*

Experimental Pathology Research Centre: Warsaw, Dworkowa 3; f. 1954; Dir. Prof. Dr. ZYGMUNT RUSZCZEWSKI.

Institute of Neuropathology: Warsaw, ul. Pasteur 3; f. 1954; Dir. E. OSETOWSKA, M.D.; publ. *Neuropatologia Polska* (quarterly).

Laboratory of Physiology: Warsaw 36, Chełmska 27/37; f. 1957; Dir. Prof. Dr. FRANCISZEK CZUBALSKI.

L. Hirszfeld Institute of Immunology and Experimental Therapy: Wrocław, ul. Chałubińskiego 4; Dir. Prof. Dr. STEFAN SLOPEK; publs. *Archivum Immunologiae et Therapiae Experimentalis* (English) (bi-monthly), *Postępy Higieny i Medycyny Doświadczalnej* (Polish) (bi-monthly).

Physiological Institute: Łódź, Przędzalniana 72; f. 1958; Dir. Prof. Dr. MIECZYSŁAW WIERZUCHOWSKI.

Research Centre for Experimental Surgery: Warsaw Chalubińskiego 5; f. 1957; Dir. Prof. Dr. JAN NIELUBOWICZ.

Research Centre for Mental Hygiene and Child Psychiatry: Warsaw, Łowicka 7-15; f. 1958; Dir. Dr. KAZIMIERZ DABROWSKI.

Research Centre for Neurosurgery: Warsaw, Szpital Kliniczny, ul. Oczki 6; Dir. Prof. Dr. LUCJAN STEPIEN.

Research Centre for Pharmacology: Cracow, ul. Grzegórzecka 16; synthesis of new drugs, pharmacological investigation of their properties; acclimatisation of medicinal plants; phytochemical investigations; Dir. Doc. Dr. APOLONIUSZ DTUINIEWSKI; publ. *Dissertationes Pharmaceuticae.*

INDEPENDENT RESEARCH INSTITUTES

Astronomical Observatory of Warsaw University: Warsaw, ul. Ujazdowskie 4; f. 1825; library of 9,000 vols.; Dirs. W. ZONN, S. PIOTROWSKI.

Balneoclimatological Institute: Poznań, ul. Słowackiego 8-10; Chair. Prof. Dr. JÓZEF JANKOWIAK.

Central Institute for Labour Protection: Warsaw, ul. Tamka 1; f. 1950; Dir. Dr. Ing. ST. FRANKIEWICZ.

Central Mining Institute: Katowice-GIG, Plac Gwarków 1; f. 1945; Dir. Prof. MARCIN BORECKI.

Forestry Research Institute (*Instytut Badawczy Leśnictwa*): Warsaw 22, Wery Kostrzewy 3; f. 1930; comprises 26 scientific sections and laboratories covering all aspects of forestry, especially factors of environment, silviculture, management, protection, logging, mechanisation and transport; 10 regional brs.; main documentation centre of forestry and library of 35,000 vols.; Dir. Prof. Dr. BOLESŁAW SACZUK; publs. *Prace Instytutu Badwczego Leśnictwa* (Transactions of the Forestry Research Institute), *Biuletyn Instytutu Badawczego Leśnictwa* (bi-monthly bulletin published in *Prace Instytutu Badawczego Leśnictwa*), *Przeglad Dokumentacyjny Leśnictwa* (Review of Forestry Literature published in *Sylwan*); brs. at Cracow, Bialowieża, Augustów, Biakobrzegi, Gdańsk, Jeziory, Katowice, Prędocin, Krzystkowice, experimental forest districts at Blizyn and Kozienice.

Geographical Institute of Warsaw University: library at Warsaw, Krakowskie Przedmieście 30, in addition to library of Institute of Geography of the Polish Academy of Sciences; 43,000 vols., 1,000 atlases, 52,000 maps and 20,000 slides.

Geological Institute: Warsaw, Rakowiecka 4; f. 1919; Dir. Prof. Dr. E. RUHLE; 4 field stations; library of 130,000 vols.; publs. *Biuletyn* (irregular), *Prace* (irregular), *Bibliografia Geologiczna Polski* (yearly), *Kwartalnik Geologiczny* (quarterly), maps.

Institute of Antibiotics: Warsaw 12, ul. Starościnska 5; Dir. F. ULAK.

Institute of Artificial and Synthetic Fibres: Łódź, ul. Skłodowskiej-Curie 19-27; Dir. W. SOPIELA.

Institute of Economics and Industrial Organisation (*Instytut Ekonomiki i Organizacji Przemysłu*): Warsaw, Plac Trzech Krzyży 3/5, Skrytka Pocztowa 153; f. 1948; Dir. ILJA EPSZTEJN.

Institute for Education: Warsaw, Górczewska 8; f. 1950; library of 52,000 vols.; depts. of general education, vocational education, guidance, school organisation, adult education, documentation and information; Dir. Prof. Dr. WINCENTY OKOŃ; publs. *Biuletyn Instytutu Pedagogiki, Rocznik Instytutu Pedagogiki.*

Institute of Fertilizers: Tarnow 3, ul. Lipowa; f. 1959; Dir. Prof. W. MAZGAJ, CH.E., PH.D.

Institute of Forensic Research: 9 Westerplatte Street, Cracow; f. 1929; departments of biology, criminology, toxicology.

Institute of General Chemistry: Warsaw, Zoliborz, ul. Rydygiera 8; f. 1945; departments of technical physics, physical and analytical chemistry, catalytic synthesis, radio-chemistry, chemical technology and chemical engineering, fat chemistry and detergents, economics of the chemical industry; library of 50,000 vols., 400 periodicals; Dir. Prof. Dr. A. ZMACZYŃSKI.

Institute of Industrial Design: Warsaw, ul. Świetojerska 5/7; f. 1950; research in aesthetics of machine housing and technical arrangements, interior decorating, ceramics and glass, garments; training of industrial designers; laboratories; library of 7,100 vols., 362 titles of periodicals, collection of special editions, samples, etc.; Dir. Eng. BOGDAN CZEKALUK, M.A.; Vice-Dirs. Prof. WANDA TELAKOWSKA (scientific and artistic), TADEUSZ REINDL, M.A. (publicity); publs. bulletins on industrial design of textiles, clothing, wood, ceramics and glass, and leather goods (monthly), *Wiadomosci IWP* (News of Inst. of Ind. Design, monthly).

Institute of Inorganic Chemistry: Gliwice, ul. Sowińskiego 11; f. 1946; Dir. J. HAWLICZEK.

Institute of International Affairs: Warsaw, Warecka 1a; Dir. OSTAP DŁUSKI; publs. *Sprawy Międzynarodowe* (monthly), *Zbiór Dokumentów* (monthly, bilingual), *Annuaire Polonais des Affaires Internationales* (Year book of international affairs, in French), *Zbiór Umów Międzynarodowych Polskiej Rzeczypospolitej Ludowej* (Polish International Agreements, annual).

Institute of Nuclear Physics in Cracow (*Instytut Fizyki Jądrowej w Krakowie*): Cracow 23, Ul. Radzikowskiego; Dir. H. NIEWODNICZAŃSKI.

Institute of Oncology: Warsaw 22, Wawelska 15; Dir. Prof. W. JASINSKI, M.D.; publ. *Nowotwory* (quarterly).

Institute of Organic Technology: Warsaw, ul. Annopol 6; Dir. Doc. W. GUMULKA.

Institute of Paints and Varnishes: Gliwice, ul. Górnych Wałów 26; Dir. L. CHROMY.

Institute of Petroleum (*Instytut Naftowy*): Cracow, Ul. Lubicz 25a; f. 1944; library of over 25,000 vols.; Dir. Prof. JOSEF WOFNAR; publ. *Biuletyn Instytut Naftowego* (Bulletin of the Institute of Petroleum).

Institute of Petroleum Technology: Cracow, ul. Łukasiewicza 1; f. 1945; Dir. S. NIEMENTOWSKI.

Institute of Plant Protection: Warsaw, ul. Rakowiecka 8; f. 1950.

Institute of Plastics (*Instytut Tworzyw Sztucznych*): Warsaw, Zoliborz, ul. J. Rydygiera 8; f. 1948; Dir. M. SLON; publs. *Polimery-Tworzywa Wielkoczasteczkowe* (monthly), *Miesiecznik poświecony Chemii i Technologii Polimerów* (monthly).

Institute of the Fat Industry: Warsaw, ul. Rakowiecka 36; f. 1954; chemical and technological research on edible oils and fats, laboratories in Warsaw; Dir. Dr. Inż. A. JAKUBOWSKI.

Institute of the Fermentation Industry: Warsaw, ul. Rakowiecka 36; f. 1954; library of 14,000 vols.; Dir. Eng. JAKUB WERMUS; publs. *Biuletyn Instytutow i Laboratoriów Przemyslu Rolnego i Spowyczego* (bi-monthly), *Prace Instytutów i Laboratoriów Badawczych Przemyslu i Spozywczego.* (quarterly).

Institute of the Rubber Industry: Warsaw, ul. Czerska 18; Dir. S. BLICHARZ.

Institute of the Sugar Industry: Warsaw, ul. Rakowiecka 8; f. 1927; research into all branches of the Sugar Industry; Raw Product, Sugar Beet, Technological, Analytical, Mechanical and Economic Research Depts.; Dir. JÓZEF LEWON; Scientific Dir. Prof. Dr. TADEUSZ PIETRZYKOWSKI; publ. *Prace Instytutów i Laboratoriów Badawczych Przemyslu Spożywczego.*

Institute of Wood Technology: Poznań, ul. Winiarska 1; f. 1952; scientific establishments at Warsaw and Bydgoszcz; Dir. Dr. W. FABISZEWSKI; publs. *Prace Instytutu Technologii Drewna* (Works of the Wood Technology Institute), *Bulletin* (quarterly).

Institute of Zootechnics: Cracow, Sarego 2; f. 1950; Dir. Prof. Dr. F. ABGAROWICZ; 21 Scientific Depts., 13 Experimental Stations; library of 20,000 vols.; publs. Bulletins of the Institute concerning research findings, *Research Information* (series), *Pig Progeny Test Station Reports, Cattle Progeny Test Station Reports, Sheep Progeny Test Station Reports, Poultry Test Station Reports.*

Marine Fisheries Institute: Gdynia, Aleja Zjednoczenia 1; f. 1923; departments of icthyology, oceanography, marine biology, fisheries; two branches at Kołobrzeg and Swinoujście; experimental station at Tolkmicko; publ. *Prace Morskiego Instytutu Rybackiego w Gdyni.*

Maritime Institute (*Instytut Morski*): Gdańsk; Dlugi Targ 41/42; f. 1950; economic and technical research in shipping, harbour and coastal engineering, corrosion, maritime law; library of 65,000 vols.; Dir. Prof. R. ZAORSKI; Res. Dir. W. URBANOWICZ; publs. *Prace Instytutu Morskiego, Materialy, Serwis Bibliograficzny Instytutu Morskiego, Biuletyn Instytutu Morskiego.*

Mother and Child Research Institute: Warsaw, Kasprzaka 17; Dir. Prof. F. GROER, M.D.

Organic Synthesis Research Institute: Blachowńia Slaska k. Kedzierzyna; Dir. Prof. OBŁÓJ.

Pharmaceutical Institute: Warsaw 86, Rydygiera 8; research into all branches of pharmacy and pharmaceutical chemistry; Dir. Prof. Dr. WL. BEDNARCZYK.

Plant Breeding and Acclimatization Institute: Warsaw 10, Gorskiego 7; f. 1951; subject to the Ministry of Agriculture; 9 establishments, 15 research stations; Dir. Prof. Dr. JADWIGA LEKCZYŃSKA; Vice-Dirs. Doc. Dr. STANISŁAW STARZYCKI, Mgr. A. KORCZYŃSKI; publs. *Hodowla Roslin Aklimatyzacja i Nasiennictwo, Biuletyn* Prof. Dr. JADWIGA LEKCZYNSKA; Vice-Dirs. Doc. Dr. *IHAR, Index Seminum, Delectus Seminum.*

Polish Dermatological Society: Warsaw, ul. Koszykowa 82a, Klinika Dermatologiczna A.M.; f. 1920; Pres. Prof. Dr. STEFANIA JABŁOŃSKA; Sec. Dr. MARCELI STAUBER; publ. *Przegląd Dermatologiczny* (two-monthly).

Polish-Soviet Institute (*Instytut Polsko-Radziecki*): Warsaw; Dir. ALEKSANDER SZANIAWSKI; publs. *Kwartalnik Instytutu Polsko-Radzieckiego* (quarterly), *Sovietica w Polsce* (quarterly).

Research Institute of Agricultural Economics (*Instytut Gospodarski Rolnej*): Warsaw, Wawelska 1/3; Dir. Prof. JERZY TEPICHT; publ. *Zagadnienia Ekonomiki Rolnej.*

Research Institute of Pomology: Skierniewice, ul. Pomologiczna 22; f. 1951; library of 7,000 vols.; nine departments including small fruit, fruit breeding, soil cultivation, orchard mechanisation, plant protection, orchard economics, fruit storage and transport, industrial application of fruit, bee-keeping; five laboratories: chemical, botanical, physiological, isotope; experimental greenhouse; nine field experiment stations; Dir. Prof. S. A. PIENIAZEK; publs. *Prace Instytutu Sadownictwa* (Experimental work of the Research Institute), *Pszczelnicze Zeszyty Naukowe* (Bee Research Bulletin).

State Institute of Hydrology and Meteorology: Warsaw, Podleśna 61; f. 1945 as an amalgamation of State Meteorological and Hydrological Institutes; collections of records from 538 meteorological stations; Dir. Asst. Prof. Dr. SDZISŁAW KACZMAREK; publs. *Wiadomości Sluzby Hydrologicznej i Meteorologicznej* (Bulletin of the Hydrological and Meteorological Service), *Prace Państwowego Instytutu Hydrologiczno-Meteorologicznego* (Works of the State Institute of Hydrology and Meteorology); summaries in English, French and Russian.

State Institute of Hygiene: Warsaw, Chocimska 24; f. 1918; Dir.-Gen. Prof. W. KURYŁOWICZ; publs. *Roczniki Państwowego Zakladu Higieny* (bi-monthly), *Medycyna Doświadczalna i Mikrobiologia* (quarterly), *Przegląd Epidemiologiczny* (quarterly).

Telecommunications Institute of Industry: Warsaw 26, Poligonowa 30; f. 1952.

Tuberculosis Research Institute: Warsaw, ul. Płocka 26; f. 1948; medical library of 15,000 vols. and 251 periodicals; Dir. Prof. Dr. MIECZYSŁAW JUCHNIEWICZ; publ. *Gruźlica.*

Veterinary Institute: Puławy; f. 1945; 8 scientific depts. and 10 specialised laboratories (including those in Warsaw, Bydgoszcz, Zduńska Wola); 99 scientists; Dir. Prof. Dr. STANISŁAW KRAUSS; publ. *The Bulletin of the Veterinary Institute at Puławy.*

There are in all 95 research institutes not attached to the Polish Academy of Sciences, in addition to numerous industrial works-laboratories and research centres.

LIBRARIES

Biblioteka Akademii Sztuk Pięknych (*Library of the Fine Arts Academy*): Warsaw, Krakowskie Prezedm. 5; f. 1922; 15,445 vols., 22,246 illustrations; Dir. Mgr. J. TARKOWSKA.

Biblioteka Główna Akademii Górniczo-Hutniczej w Krakowie (*Central Library of the Academy of Mining and Metallurgy*): Cracow, Al. Mickiewicza 30; f. 1919; collection: mining, metallurgy, geodetics, electrical engineering, foundry engineering, mathematics, physics, chemistry; 270,000 vols.; Dir. WŁADYSŁAW PIASECKI; publ. *Wykaz nabytków* (monthly).

Biblioteka Główna Politechniki Częstochowskiej (*Library of the Czestochowa Technical University*): Czestochowa, ul. Zawadzkiego 36; f. 1950; 71,210 vols., 23,768 standards 745 current periodicals and serials; Dir. Mgr. ZBIGNIEW MROWIŃSKI.

Biblioteka Głównego Urzedu Statystycznego (*Library of the Central Statistical Office*): Warsaw, Wawelska 1/3; f. 1918; collection: scientific and specialised (economic and social subjects, with emphasis on statistics); 240,000 vols.; Dir. IRENA MORSZTYNKIEWICZOWA.

Biblioteka Jagiellońska (*Jagiellonian Library*): Cracow; f. 1364; collection: general scientific, Polish affairs, humanities, medicine, mathematics, natural sciences; 1,114,424 vols.; Dir. Dr. JAN BAUMGART.

Biblioteka Katolickiego Uniwersytetu Lubelskiego w Lublinie (*Library of the Catholic University of Lublin*): Lublin; f. 1918; general collection, with emphasis on theology and philosophy; 495,589 vols. (including department libraries), incl. 11,309 old vols., 89,156 periodicals, 805 MSS., 3,722 maps and atlases, 2,159 vols. of music.

Biblioteka Narodowa (*National Library*): Ulica Rakowiecka, Warsaw; f. 1928; State central library; collection: general scientific documents, mostly Polish works published in Poland and abroad; writings relating to development of Polish science; 1,900,000 vols., incl. 1,006,314 XIX and XX century books, 191,450 periodicals, 54,148 old books, 8,252 MSS., 12,800 maps and atlases, 19,885 vols. of music, 25,952 albums, illustrations, drawings and reproductions, 339,453 social documents (i.e. leaflets, posters and other ephemeral publs.) and *c.* 400,000 vols. not yet catalogued; The National Library houses the Bibliographical Institute, Institute of Books and Public Reading, Bureau for the Microfilm Service Unit; Dir. Dr. WITOLD STANKIEWICZ; publs. *Bibliographical Guide* (weekly), *Bibliography of Bibliographies* (annual), *Bulletin of the Bibliographical Institute, Bibliography of the Contents of Periodicals* (monthly), *Publishers' Activities in Figures* (annual), etc.

Biblioteka Gdańska P.A.N. (*Gdańsk Library of the Polish Academy of Sciences*): Gdańsk, Wałowa 15; former City Library: f. 1596; collection: humanities, oceanography, geography, Pomeranian and Gdańsk affairs; 386,880 vols., incl. 748 incunabula, 15,936 periodicals, 3,581 MSS., 4,182 maps, etc.; Dir. Dr. MARIAN PELCZAR; publ. *Gdańsk Library.*

Biblioteka Kornicka PAN (*Library of the Polish Academy of Sciences, Kornik*): Kornik near Poznań; f. 1817; collection: History, History of Polish Literature, Mathematics and Natural Sciences; 135,086 vols., incl. 22,591 old prints, 27,979 periodicals, 15,150 MSS., 2,063 maps, 13,394 graphics; museum with 18,466 exhibits; Dir. Dr. STEFAN WEYMAN; publs. *Pamiętnik Biblioteki Kornickiej, Acta Tomiciana.*

Biblioteka P.A.N. w Krakowie (*Library of the Polish Academy of Sciences in Cracow*): Cracow, ul. Sławkowska 17; 411,156 vols.; 147,081 annual vols. of periodicals relating to the social and biological sciences, 90,780 MSS., old prints, cartography, graphic arts; Dir. KAZIMIERZ PIWARSKI; publ. *Rocnik Biblioteki PAN w Krakowie* (Yearbook).

Biblioteka P.A.N. w Warszawie (*Library of the Polish Academy of Sciences in Warsaw*): Warsaw, Patac Kultury i Nauki; f. 1958; 150,000 vols.; Dir. Dr. ZENON KMIECIK.

Biblioteka Poznańskiego Towarzystwa Przyjaciół Nauk (*Library of the Poznań Society of Friends of Science*): Poznań, Sew. Mielżyńskiego 27-29; f. 1857; collection: scientific humanities; 220,000 vols., incl. 20,000 old vols., 1,500 MSS., 700 maps and atlases, 60,000 periodicals; Dir. Mgr. BERNARD OLEJNICZAK.

Biblioteka Publiczna m. st. Warszawy (*Public Library*): Warsaw; f. 1907; 128 brs.; general collection: 1,629,950 vols., incl. 11,497 old vols., 48,436 periodicals, 2,564 MSS., 6,428 maps and atlases; publs. *Publications of the Public Library of Warsaw, Nos. 1-83* continued as *Works of the Public Library of Warsaw, Nos.* 1-5; *Bibliotekarz* (The Librarian) (monthly), issued in conjunction with the Polish Librarians' Association; Dir. Mgr. FELIKSA BURSOWA.

Biblioteka Sejmowa (*Library of the Polish Parliament*): Warsaw: f. 1919; collection: legislation, official matter, economic, social legal and political problems; 200,000 vols., incl. 430 old vols., 72,700 periodicals, 1,423 maps and atlases.

Biblioteka Śląska (*Silesian Library*): Katowice, ul. Francuska 12; f. 1922/23; collection: social science, economics, literature relating to Silesia; 465,657 vols., incl. 24,409 old vols., 44,792 periodicals, 977 MSS., 4,341 maps and atlases, 3,105 drawings and illustrations, 2,005 vols. of music.

Biblioteka Szkoły Głównej Gospodarstwa Wiejskiego (*Library of the Warsaw Agricultural University*): Warsaw; f. 1911; collection: agriculture, horticulture, forestry, zootechnics, veterinary science, wood technology, land improvement, agricultural economics and food processing technology; 114,295 vols., incl. 106 old vols., 23,627 periodicals, 146 maps, 5,552 MSS. and 387 microfilms; Dir. Prof. Dr. A. ZABKO-POTOPOWICZ.

Biblioteka Szkoły Głównej Planowania i Statystyki (*Library of the Central School of Planning and Statistics*): Warsaw; f. 1906; collection: social and economic science, geography and economic history, national economy, law, labour problems and special economics; 345,260 vols., incl 1,595 old vols., 87,827 periodicals, 1,400 maps and atlases, 13,434 MSS., 735 drawings and illustrations, Dir. Dr. HELENA DRZAŻDŻYŃSKA.

Biblioteka Uniwersytetu im Adama Mickiewicza (*Library of Adam Mickiewicz University*): Poznań; f. 1902; 1,089,523 vols. in central library, incl. 57,149 old vols., 2,397 MSS., 12,144 maps and atlases, 14,515 vols. and items of music; 642,902 vols. in departmental libraries; Dir. Doc. STANISŁAW KUBIAK.

Biblioteka Uniwersytecka w Łódzi (*Library of Łódź University*): Łódź; f. 1945; scientific collection; 540,000 vols., incl. 14,000 old vols., 109,000 periodicals, 900 MSS., 5,000 maps and atlases, 8,000 vols. of music, and 5,000 drawings and illustrations; Dir. Dr. HELENA WIECKOWSKA.

Biblioteka Uniwersytecka w Toruńiu (*Library of Toruń University*): Toruń; f. 1945; scientific collection; 880,741 vols., general collection of 657,988 vols.

Biblioteka Uniwersytecka w Warszawie (*Library of the University of Warsaw*): Warsaw; f. 1817; collection: history, history of literature, law, art, education, higher education and Russian affairs; 1,550,830 vols., incl. 140,560 old vols., 408,875 periodicals, 2,625 MSS., 4,872 maps and atlases, 53,453 drawings and illustrations, 23,842 vols. of music; Dir. Prof. JAN BACULEWSKI.

Biblioteka Uniwersytecka w Wrocławiu (*Library of the University of Wrocław*): Wrocław; f. 1945; collection: Silesiaca and Lusatica; International relations Poland-Germany-Czechoslovakia; over one million vols.; Dir. Prof. Dr. JADWIGA PECZYNA.

Biblioteka Uniwersytetu Marii Curie-Skłodowskiej w Lublinie (*Library of the M. Curie-Skłodowska University*): Lublin, ul. Narutowicza 4; f. 1944; general scientific collection of 297,150 vols., incl. 17,319 old books, 67,353 periodicals, 327 MSS., 962 maps and atlases, 1,863 drawings and illustrations, 4,486 vols. of music; tape and microfilm collection; Dir. TADEUSZ SMOŁKA.

Biblioteka Wyzsza Szkola Pedagogiczna (*Library of the Pedagogical High School*): Cracow, ul. Straszewskiego 22; 138,010 vols., 6,568 periodicals.

Biblioteka Zakładu Narodowego im. Ossolińskich (*Ossolineum Library*): Wrocław; f. 1817; general scientific collection; 450,000 vols.; Dir. Dr. FRANCISZEK PAJĄCZKOWSKI; publ. *Ze skarbca kultury* (quarterly bulletin).

Centralna Biblioteka Rolnicza (*Central Agricultural Library*): Warsaw, ul. Krakowskie Przedmieście 66; f. 1956; branches at Puławy and Bydgoszc; scientific collection; 200,000 vols. on agriculture and related sciences; centre for Agricultural Documentation and for exchange with other institutions in Poland and abroad; Dir. TADEUSZ ZELIGOWSKI; publs. *Polish Agricultural Bibliography*, *Polish Agricultural Annual* (both with English and Russian summaries).

Główna Biblioteka Lekarska (*Central Medical Library*): Warsaw, Chocimska 22; f. 1945; mainly scientific collection; 840,000 vols., incl. 12,203 old vols., and a collection of medical items, drawings and illustrations; Dir. Prof. Dr. STANISŁAW KONOPKA; publs. *Biuletyn Głównej Biblioteki Lekarskiej* (monthly bulletin), *Polska Bibliografia Lekarska* (year book), *Źródła i Dokumenty do Historii Medycyny* (Sources and Documents for the History of Medicine, irregular edition).

Ksiażnica Miejska im Kopernika w Toruniu (*Copernicus Municipal Library*): Toruń; f. 1923; educational and scientific collection relating to Pomerania; 327,611 vols., incl. 25,865 old vols.; publs. *Works of the Copernicus Municipal Library*, *Profiles of Distinguished Pomeranians*.

Miejska Biblioteka Publiczna im H. Łopacińskiego w Lublinie (*H. Łopaciński Public Municipal Library*): Lublin; f. 1907; scientific and educational collection; 134,988 vols., 9,677 old vols., 912 periodicals, 1,937 MSS., 1,335 maps and atlases, 4,248 drawings and illustrations, 2,490 vols. of music.

Miejska Biblioteka Publiczna im. Edwarda Raczyńskiego (*Raczyński Municipal Public Library*): Poznań; f. 1829; collection: general sciences, particularly social sciences; 510,000 vols., incl. 19,000 old vols., 12,500 periodicals, 3,500 MSS., 4,250 maps and atlases, 250 incunabula.

Miejska Biblioteka Publiczna w Bydgoszczy (*Bydgoszczy Public Municipal Library*): Bydgoszczy; 346,000 vols., including 23,600 vols. old books, 6,800 vols. maps and atlases, 3,500 MSS.

Miejska Biblioteka Publiczna w Krakowie (*Municipal Public Library*): Cracow; f. 1946; educational and scientific collection; 471,000 vols.

Miejska Biblioteka Publiczna im L. Waryńskiego w Łódzi (*L. Waryński Public Municipal Library*): Łódź ul. Gdańska 102; f. 1917; educational and scientific collection; 557,636 vols., incl. 2,620 old vols., 32,330 periodicals, 700 maps and atlases, 2,550 drawings and illustrations, 3,500 vols. of music; Dir. Prof. ROMAN KACZMAREK.

Wojewódzka i Miejska Biblioteka Publiczna w Szczecinie (*Voivodship and City Public Library*): Szczecin; f. 1945; educational and scientific collection (Pomeranian); 420,000 vols., incl. 32,000 old vols., 3,070 titles of periodicals, 26,805 vols. of music; Dir. Mgr. STANISŁAW BADOŃ.

MUSEUMS

Warsaw

State Archaeological Museum: Ul. Długa 52; f. 1928; prehistoric and proto-historic exhibits; organises regional and field exhibitions, and directs archæological excavations throughout Poland; library; Dir. Prof. Dr. ZDZISŁAW RAJEWSKI; publs. include *Wiadomosci Archeologiczne*, *Materialy Starożytne*, *Materialy Wczesnosredniowieczne*.

Historical Museum: Rynek Starego Miasta 28-42; f. 1947; exhibits relating to the history of Warsaw from the X century; Dir. Prof. Dr. JANUSZ DURKO.

Mickiewicz and Słowacki Museum: Rynek Starego Miasta 20; biographical museum; Dir. ADAM MAUERSBERGER.

National Museum: Al. Jerozolimskie 3; f. 1862; prints and drawings; numismatics; Egyptian, Greek and Roman art; medieval and modern Polish art; foreign art; decorative arts; also administers museums in the Wilanów and Nieborow palaces and Łowicz; Dir. Prof. Dr. STANISŁAW LORENTZ.

Polish Army Museum: Al. Jerozolimskie 3; f. 1920; reorganised 1946; exhibition of weapons, uniforms, banners, decorations, etc., showing the history of Polish military art from the 10th to the 20th centuries; militaria of Europe, Asia, Africa, Australia; 160,400 museum objects, archival and iconographical items and books.

Cracow

Historical Museum in Cracow: Ul. Św. Jana 22; f. 1899; traditions, history and culture of the city of Cracow, arms and armouries, history of the theatre in Cracow, history and culture of the Jews in Poland; Dir. Mgr. STANISŁAW CZERPAK.

Muzeum Etnograficzne: Pl. Wolnica 1; f. 1905; history, arts and culture of the Polish village; also foreign collections; Dir. EDWARD WALIGÓRA.

National Museum in Cracow: Ul. Manifestu Lipcowego 12; f. 1879; Dir. JERZY BANACH; publ. *Rozprawy i Sprawozdania Muzeum Narodowego w Krakowie* (Yearbook); the museum consists of the following departments:

Gallery of Polish Painting and Sculpture of the XVIII-XIX Centuries: Sukiennice (*Clothiers' Hall*), Rynek Główny.

The Emeryk Hutten-Czapski Department: ul. Manifestu Lipcowego 12; graphic and numismatic collections.

Dom Jana Matejki (*Jan Matejko's House*): ul. Floriańska 41; paintings and personal relics of the eminent 19th-century Polish painter.

Gallery of Polish Painting and Sculpture of the XIV-XVIII Centuries: pl. Szczepański 9.

The Czartoryski Collection: ul. Pijarska 6 and ul. sw. Jana 19; f. 1801; national relics, Polish and foreign painting, old arms and armour, Polish and foreign crafts, ancient archaeology.

Czartoryski Library and Archives: ul. św. Marka 17; documents, illuminated codices, incunabula, books on history, art and culture.

Gallery of Polish Painting and Sculpture of the XX Century: al. Trzeciego Maja 1; contains also collections of Polish crafts.

State Collections of Art in the Wawel: Wawel; f. 1925; (*a*) Collections of art in the apartments of the Royal Castle, Italian Renaissance furniture, Flemish tapestries, Italian and Dutch painting, Polish carpets; (*b*) Royal treasury: crown jewels, historical relics; (*c*) Armoury: Polish and West European weapons; (*d*) Oriental objects of art; (*e*) Collection relating to the history of Wawel Hill, among other archaeological materials since the paleolithic period, pottery, Polish tiles from the 15th-18th centuries; Dir. JERZY SZABLOWSKI; publs. *Studia do dziejów Wawelu* (Studies in the History of the Wawel) (every two years), *Źródła do dziejów Wawelu* (Sources of the History of the Wawel), *Biblioteka Wawelska* (the Wawel Library).

Łódź

Archæological and Ethnographical Museum: Pl. Wolności 14; f. 1956 as amalgamation of Archæological and Ethnographical Museums (f. 1930); archæology, ethnography, numismatics; library of 14,000 vols.; Dir. KONRAD JAŻDŻEWSKI, PH.D.; publs. *Guides and Reports, Prace i Materiały Muzeum Archieologicznego i Etnograficznego, seria archeologiczna i seria etnograficzna.*

Muzeum Historii Włókiennictwa: ul. Piotrkowska 282; f. 1960; contains the weaving section formerly at the Muzeum Sztuki; Dir. KRYSTYNA KONDRATIUK.

Museum Sztuki w Łodzi: Ul. Wieckowskiego 36; f. 1930; departments; Gothic art; foreign painting of the 15th-19th centuries; Polish painting of the 18th-20th centuries; international modern art; Dir. MARIAN MINICH.

Poznań

Archaeological Museum: ul. Seweryna Mielżyńskiego 27-29; f. 1857; Polish archæology; Dir. BOGDAN KOSTRZEWSKI; publ. *Fontes Archaeologici Posnanienses* (annual).

National Museum: Al. Marcinkowskiego 9; f. 1894; art, ethnography, cultural history of Poznań, weapons and military equipment, musical instruments; Dir. Z. KĘPIŃSKI.

Other Towns

Church Museum: Przemyśl, Pl. Czackiego 10; f. 1902, reorganised 1947; Gobelin tapestry probably by Guido Reni; Dir. WŁADYSŁAW LUTECKI; Curator Dr. DOMINIK BIALIC.

Folk-Culture and Art Museum (*Muzeum Kultury i Sztuki Ludowej*): Warszawa-Młociny, Warszawa ul. Szeroki Dunaj 5; f. 1946; Polish and non-European ethnographical collection; Dir. Prof. Dr. KSAWERY PIWOCKI.

Frederic Chopin Museum: Zelazowa Wola, Distr. Sochaczew near Warsaw; f. 1932; biographical museum, birthplace of Chopin.

Gorzow Museum: Gorzow, Ul. Warszawska 35; f. 1945; human and natural history.

Lańcut Museum: Lańcut, ul. Zamkowa 1; f. 1945; historic interiors, coaches; Dir. A. DUDA-DZIEWIERZ; Curator J. ZURAWSKI.

Lenin Museum, Poronin: pow. Nowy Targ, ul. Lenina 160; f. 1947; biographical museum in the house formerly inhabited by Lenin; Dir. MICHALAK IRENEUSZ.

Lublin Museum: Lublin, The Castle; f. 1906; regional archæological, historical and ethnographic collection, Polish painting and decorative art; Dir. IRENA ISKRZYCKA.

Majdanek Museum: Majdanek, near Lublin; f. 1944; situated in former Nazi concentration camp; illustrating system of mass extermination; Dir. ED. GREŃ.

Masovian Museum: Olsztyn, Ul. Zamkowa 2; f. 1945; Dir. HIERONIM SKURPSKI; publ. *Rocznik Olsztyński.*

Museum w Przemyślu: Przemyśl, plac. Czackiego 3; f. 1909; ethnography, archaeology, arts; Dir. KRZYSZTOF WOLSKI.

Museum w Toruniu: Toruń, Rynek Staromiejski 1, Ratusz; f. 1861; archæology, collection of coins and engravings, crafts, mediaeval art; art gallery of 19th- and 20th-century Polish painting; Copernicus house; Dir. JERZY REMER.

Nicholas Kopernik Museum: Frombork, ul. Katedralna 12 Woj. Olsztynskie; f. 1948; biographical museum.

Oświęcim Museum: Oświęcim, Woj. Krakowski; f. 1946; situated in former Nazi concentration camp at Auschwitz-Birkenau, illustrating system of mass extermination; library and archives; publs. *Oświęcim periodicals, Oswięcim* (Artistic Production series).

Pomorze Museum: Gdańsk, ul. Rzeznicka 25; f. 1945; art, ethnography; Dir. JAN CHRANICKI.

Rzeszow Museum: Rzeszow, 3-Maja 19; f. 1936; Dir. Dr. FRANCISZEK BŁOŃSKI.

Silesian Museum: Wrocław, Pl. Powstańców Warszawy 5; f. 1948; art, ethnography, numismatics, history, particularly relating to Wroclaw; library of 40,000 vols.; Dir. MARIA STARZEWSKA.

Swietokrzyskie Museum: Kielce, Pl. Partyzantów 2-4; f. 1909; State Region Museum illustrating all the problems of Kielce District; Dir. EDMUND MASSALSKI.

Tatra Museum: Zakopane, Ul. Krupowki 10; f. 1888; regional flora, fauna and ethnography; Dir. JULIUSZ ZBOROWSKI.

Upper Silesian Museum: Bytom, Pl. Thaelmanna 2; f. 1927 in Katowice, transferred in 1945; geology, biology, art, sculpture and Polish artistic handcraft, regional ethnography, archæology and history, history of steel, mining and smelting; Dir. Doc. JÓSEF LIGĘZA.

Western Pomerania Museum: Szczecin, ul. Staromłynska 27; f. 1945; archaeological, maritime, ethnographical and history of art museum; Dir. WŁADYSŁAW FILIPOWIAK; publ. *Materiały Zachodnio-pomorskie.*

L. Wyczolkowski Museum: Bydgoszcz, Al. 1 Maja 4; f. 1880; Polish art, including the paintings of L. Wyczolkowski; Dir. KAZIMIERZ BORUCKI, M.A.

In all there are 107 museums under the administration of the Ministry of Culture and Arts, in addition to numerous local or specialised museums.

UNIVERSITIES

UNIWERSYTET JAGIELLOŃSKI
(Jagiellonian University)

GOŁEBIA 24, CRACOW

Telephone: 586-06.

Founded 1364.

Rector: K. LEPSZY.

Pro-Rectors: Prof. Dr. K. KOZIEŁ, Prof. Dr. M. KLIMASZEWSKI, Prof. Dr. K. OPAŁEK.

Number of professors and lecturers: 175.

Number of students: 4,927.

DEANS:

Faculty of Law: Prof. Dr. W. KRZYŻANOWSKI.

Faculty of Philosophy and History: Prof. Dr. S. MIKUCKI.

Faculty of Philology: Prof. Dr. W. STRZELECKI.

Faculty of Mathematics and Chemistry: Prof. Dr. J. RAYSKI.

Faculty of Biology and Geography: Prof. Dr. M. KSIĄŻKIEWICZ.

PROFESSORS:

Faculty of Law:

BORUCKA-ARCTOWA, MARIA, Theory of State and Law
BRZEZINSKI, W., Administrative Law
CIESLAK, M., Penal Procedure
CZARKOWSKI, J., Political Economy and Economic Politics
GÓRECKI, J., Civil Law
GRZYBOWSKI, K., History of Political and Legal Doctrines
GRZYBOWSKI, S., Civil Law
GWIAZDOMORSKI, J., Civil Law
KRZYZANOWSKI, W., Political Economy and History of Economic Theories
NAHLIK, S., International Public Law
OPALEK, K., Theory of State and Law
OSTROWSKI, K., Financial Law
OSUCHOWSKI, W., Roman Law
OYRZANOWSKI, B., Political Economy and Economic Politics
PATKANIOWSKI, M., History of State and Law
PAULI, L., History of State and Law
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SEHN, J., Penal Law
SIEDLIECKI, W., Civil Procedure
SOŚNIAK, M., Civil and International Private Law
STUDNICKI, F., Civil Law
WALAS, A., Labour Law
WALASZEK, B., Civil and International Private Law
WŁODYKA, S., Civil Procedure
WOLTER, W., Penal Law
VETULANI, A., History of the Polish State and Polish Law
ZAKRZEWSKI, W., State Law

Faculty of Philosophy and History:

AUGUSTYNEK, Z., Philosophy
BARYCZ, H., History of Education and Learning
BATOWSKI, H., Universal Post-Renaissance and Modern History
BERNHARD, MARIA, Mediterranean Archæology
BOBINSKA-WOLSKA, CELINA, Polish History—18th to 20th Centuries
BOCHNAK, A., History of Post-Renaissance Art
BUDKOWA, Z., Archives and Science of History
DAMBSKA, I., History of Philosophy
DOBROWOLSKI, K., General Ethnography and Sociology
DOBROWOLSKI, T., History of Modern Art
ESTREICHER, K., History of Post-Renaissance Art
GARBACIK, J., Universal Medieval History
GIERULA, DANUTA, Philosophy
GLADYSZ, M., Slavonic Ethnography
HULEWICZ, J., History of Education and Learning
INGARDEN, R., Philosophy
JAMKA, R., Polish Archæology
KALINOWSKI, L., History of Medieval Art
KLIMASZEWSKA, JADWIGA, Slavonic Ethnography
KONOPNICKI, J., Pedagogics
LEPSZY, K., Polish History—16th to 18th Centuries
LESZCZYŃSKI-PILIŃSKI, J., Philosophy
MIKUCKI, S., Archives and Science for History
MITKOWSKI, J., Polish History—to 15th Century
OWSIŃSKA, ANNA, Universal Post-Renaissance and Modern History
PASENKIEWICZ, K., Logic
PIERADZKA, KRYSTYNA, Universal Medieval History
PIWARSKI, K., Universal Post-Renaissance and Modern History
PODRAZA, A., History of the Nations of the U.S.S.R.
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SUSULOWSKA, MARIA, Psychology
SZABLOWSKI, J., Post-Renaissance Art
SZEWCZUK, W., Psychology
WALIGÓRSKI, A., General Ethnology and Sociology
WERESZYCKI, H., Universal Post-Renaissance and Modern History
WOLSKI, J., Ancient History
ZBOROWSKI, J., Pedagogics

Faculty of Philology:

BIELAK, F., Polish Literature
BOBROWNICKA, MARIA, Slavonic Philology
BROZEK, M., Classical Philology
DŁUSKA, MARIA, Polish Literature
HEINZ, A., General Linguistics
HONOWSKA, MARIA, Slavonic Philology
JAKUBOWSKI, W., Russian Philology
KARAS, M., Polish Language
KIJAS, J., Polish Literature
KOWALSKA, JÓZEFA, Romantic Philology
KUBACKI, W., Polish Literature
KURYŁOWICZ, J., General Linguistics
LEWICKI, T., Oriental Philology
MACHALSKI, F., Oriental Philology
MADYDA, W., Classical Philology
MAŃCZAK, W., Romantic Philology
MARKIEWICZ, H., Polish Literature
MILEWSKI, T., General Linguistics
MROCZKOWSKI, P., English Philology
OSTROWSKA, EWA, Polish Language
PISZCZKOWSKI, M., Polish Literature
SAFAREWICZ, HALINA, Russian Philology
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STOPA, R., Oriental Philology
STRZAŁKOWA, MARIA, Romantic Philology
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WYKA, K., Polish Literature
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ZARĘBA, A., Slavonic Philology

Faculty of Mathematics and Chemistry:

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GOŁAB, S., Geometry
GUMIŃSKI, K., Theoretical Chemistry
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JANIK, J., Structural Research
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KORDYLEWSKI, K., Practical Astronomy
KOZIEŁ, K., Theoretical Astronomy and Astronomical Geophysics
KRZYZAŃSKI, M., Analytical Functions
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POLAK, F., Chemical Technology
RAYSKI, J., Theoretical Physics
RYBKA, E., Practical Astronomy
SCHOEN, J., Organic Chemistry
SREDNIAWA, B., Nuclear Physics Theory
SZARSKI, J., Mathematical Analysis
WAZEWSKI, T., Mathematical Analysis
WOJTASZEK, Z., Inorganic Chemistry
ZAPIOR, B., General Chemistry

Faculty of Biology and Geography:

DYAKOWSKA, J., Plant Systematics, Geography and Botanical Garden
FERENS, B., Psychology and Ethnology of Animals
FUDAKOWSKI, J., Systematic Zoology
GAWEŁ, A., Mineralogy and Petrography
GÓRSKI, F., Plant Physiology
GRODZIŃSKI, Z., Comparative Anatomy
JASICKI, B., Anthropology
JURA, C., Systematic Zoology
KLIMASZEWSKI, M., Physical Geography
KORNAŚ, J., Plant Systematics, Geography and Botanical Garden
KREINER, J., Psychology and Ethnology of Animals
KSIĄZKIEWICZ, M., Geology
KULCZYCKI, A., Physiology of Animals
PAWŁOWSKI, B., Plant Systematics, Geography and Botanical Gardens
PIGOŃ, A., Comparative Anatomy
SMRECZYŃSKI, S., Systematic Zoology
STARMACH, K., Hydrobiology
STOLYHWO, E., Anthropology
STRZELECKA, B., Physical Geography
SZAFRAN, B., Plant Systematics, Geography and Botanical Garden
WOJTUSIAK, R., Psychology and Ethnology of Animals
WRZOSEK, A., Economic Geography
ZURZYCKI, J., Plant Physiology

UNIWERSYTET ŁÓDZKI
(University of Łódź)

NARUTOWICZA 65, ŁÓDŹ

Founded 1945.

Rector: Prof. Dr. J. St. PIĄTOWSKI.

Pro-Rectors: Prof. Dr. W. JANOWSKI, Prof. Dr. J. WRÓBLEWSKI, Prof. Dr. A. NADOLSKI.

Librarian: Prof. Dr. HELENA WIĘCKOWSKA.

Publications: *Zeszyty Naukowe Uniwersytetu Łódzkiego.*

DEANS:

Faculty of Law: Prof. Dr. W. SZUBERT.

Faculty of Philology: Doc. Dr. W. ŚMIECH.

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KATOLICKI UNIWERSYTET LUBELSKI
(Catholic University of Lublin)

LUBLIN

Telephone: 23-93.

Founded 1918.

Rector: Rev. Prof. M. RECHOWICZ.

Pro-Rector: Prof. Z. PAPIERKOWSKI.

Number of professors: 33.

Number of students: 1,569.

Publications: *Zeszyty Naukowe Kul, Roczniki Teologiczno Kanoniczne, Roczniki Filozoficzne, Roczniki Humanistyczne.*

DEANS:

Faculty of Theology: Rev. Prof. A. L. KRUPA.

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Faculty of Philosophy: Prof. C. STRZESZEWSKI.

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UNIWERSYTET MARII CURIE-SKŁODOWSKIEJ
(Marie Curie-Skłodowska University)

PLAC LITEWSKI 5, LUBLIN

Telephone: 2-13-03.

Telegraphic Address: Skłodmar.

Founded 1944.

Rector: Prof. Dr. G. L. SEIDLER.

Pro-Rectors: Prof. Dr. Z. LORKIEWICZ, W. ZUK, Doc. Dr. W. SKRZYDTO.

Chief Administrative Officer: S. BIENIA.

Librarian: T. SMOŁKA.

Number of teachers: 485.

Number of students: 4,800, including 1,900 extra-mural students.

Publication: *Annales Universitatis Mariae Curie-Skłodowska.*

DEANS:

Faculty of Law: Doc. Dr. T. TARAS.

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Faculty of Economics: Doc. Dr. Z. LEWANDOWSKI.

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- GRZEDZIELSKA, MARIA, History of Polish Literature
- KACZMAREK, L., Polish Language
- KAMIENIK, R., Ancient History
- KERSTEN, A., Pre-eighteenth Century Polish History
- KRZYKAŁA, S., Recent Polish History
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- LINDERT, B., Polish Language
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- MYŚLIŃSKI, K., Pre-18th Century Polish History, and History of U.S.S.R.
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- REUTT, NATALIA, General and Developmental Psychology
- SMOCZYŃSKI, P., Polish Language
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- ŻMIGRODZKA, MARIA, Methodology and Theory of Literature

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- CHICEWICZ, M., General Zoology
- DOBRZAŃSKI, B., Soil Science
- ERNST, J., Economic Geography
- FIJAŁKOWSKI, D., Ecology and Plant Geography
- HOŁOBUT, W., Animal Physiology
- IZDEBSKI, K., Systematics and Plant Geography
- JANISZEWSKI, M., Regional Geography
- KLIMASZEWSKI, S., Systematic Zoology
- LORKIEWICZ, Z., Microbiology
- MALICKI, A., Physical Geography
- MARUSZCZAK, H., Physical Geography
- MODRZEWSKA, KRYSTYNA, Anthropology
- MOTYKA, J., Ecology and Plant Geography
- PASZEWSKI, A., Plant Physiology
- RIABININ, S., Systematic Zoology
- RYDZAK, J., Systematics and Plant Geography
- TROJANOWSKI, J., Biochemistry
- UHORCZAK, F., Economic Geography
- USIAK, S., Soil Science
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- ZINKIEWICZ, W., Meteorology and Climatology

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- HUBICKI, W., Inorganic Chemistry
- JANCZEWSKI, M., Organic Chemistry
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- LEZIAŃSKI, T., Mathematics
- OLEKIEWICZ, M., Mathematical Statistics
- OŚCIK, J., Physical Chemistry
- PENKALA, T., Mineralogy and Crystallography
- RADZISZEWSKI, K., Mathematics
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- TESKE, A., Physics
- URBAŃSKI, W., Theoretical Physics
- WAKSMUNDZKI, A., Physical Chemistry
- ZUK, W., Experimental Physics

UNIWERSYTET IM ADAMA MICKIEWICZA W POZNANIU
(Adam Mickiewicz University in Poznań)

STALINGRADZKA 1, POZNAŃ

Telephone: 580-41, 546-25.

Founded 1919.

Rector: Prof. Dr. C. ŁUCZAK.

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Registrar: Dr. T. KLANOWSKI.

Librarian: Dr. S. KUBIAK.

Number of teachers: 590.

Number of students: 8,988.

Publications: *Zeszyty Naukowe, Skrypty.*

DEANS:

Faculty of Law: Doc. Dr. A. ŁOPATRA.

Faculty of Philosophy and History: Doc. Dr. T. KRAJEWSKI.

Faculty of Mathematics, Physics and Chemistry: Prof. Dr. J. BARTZ.

Faculty of Biology and Soil Science: Doc. Dr. MARIA CZEKAŃSKA.

Faculty of Philology: Doc. Dr. J. ZIOMEK.

UNIWERSYTET MIKOŁAJA KOPERNIKA W TORUNIU
(Nicholas Copernicus University of Toruń)

TORUŃ

Telephone: 60-21, 26-94.

Founded 1945.

Chancellor: Prof. Dr. A. SWINARSKI.

Vice-Chancellors: Prof. Dr. K. BISKUPSKI, Prof. Dr. W. ŁUKASZEWICZ.

Registrar: Mgr. S. STANISZEWSKI.

Librarian: Dr. MARIA PUCIATOWA.

Number of professors and lecturers: 216.

Number of students: 4,420.

Publication: *Zeszyty Naukowe.*

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ŁUKASZEWICZ, W., Polish General History of 19th and 20th Centuries
NADOLSKI, B., Polish Literature
SLUSZKIEWICZ, E., Indo-European Languages
SZCZURKIEWICZ, T., History of Philosophy and Sociology
WLODARSKI, B., History of Poland in 15th Century

Faculty of Mathematics, Physics and Chemistry:
BASIŃSKI, A., Physical Chemistry
IWANOWSKA, WILHEMINA, Astrophysics
JABLONSKI, A., Physics
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PISCHINGER, E., Chemical Technology
SWINARSKI, A., Inorganic Chemistry
ZACHAREWICZ, W., Organic Chemistry

Faculty of Biology and Soil Science:
DZIAŁOSYŃSKI, L., Biochemistry
GALON, R., Physical Geography
HURYNOWICZ, JANINA, Neurophysiology and Comparative Physiology
MICHNIEWICZ, M., Plant Physiology
MIKULSKA, IZABELLA, Systematic Zoology
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STELICKA-MYDLARSKA, WANDA, Anthropology
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Faculty of Law:
BISKUPSKI, K., State Law
HEJNOSZ, W., History of Law, Polish Law
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Faculty of Fine Arts:
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UNIWERSYTET WARSZAWSKI
(University of Warsaw)

KRAKOWSKIE PRZEDMIESCIE 26-28, WARSAW

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Founded 1818

Rector: Prof. Dr. S. TURSKI.

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Number of teachers: 298 and 882 assistant professors.

Number of students: 10,000.

Publication: *Roczniki Uniwersytetu Warszawskigo.*

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KOTANSKI, Z., General Geology
KOWALSKI, W., Engineering Geology
LYDKA, K., Petrography
MAKOWSKI, K., Historical Geology
PAZDRO, Z., Hydrogeology
PENKALA, T., Mineralogy and Geochemistry
POLAŃSKI, A., Mineralogy and Geochemistry
POZARYSKI, W., Palæontology
RÓZYCKI, S., Quaternary Geology
SMULIKOWSKI, K., Petrography
TUSZKO, A., Hydrogeology
URBANEK, A., Palæontology
WUTTKE, K., Hydrogeology

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BAZYLOW, L., History of U.S.S.R.
BIALOSTOCKI, J., History of Modern Art
BIEZUŃSKA-MALOWISTOWA, IZABELA, Ancient History
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DYNOWSKI, W., Ethnography
GERBER, R., Modern History
GIEYSZTOR, A., Medieval History
HENSEL, W., Slav Archæology
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JABŁONSKI, H., 19th and 20th Century Polish History
KIENIEWICZ, S., 19th and 20th Century Polish History
KORMAMOWA, ŻENNA, 19th and 20th Century Polish History
KULCZYCKI, J., Mediterranean Archæology
KUTRZEBA-POJNAROWA, A., Ethnography
LISSA, ZOFIA, Musicology
LORENTZ, S., History of Modern Art
MAJEWSKI, K., Mediterranean Archæology
MALOWIST, M., Medieval History
MANTEUFFEL, T., Medieval History
MICHAŁOWSKI, K., Mediterranean Archæology
MORCZAK, A., Modern History
MOSZCZEŃSKA, WANDA, 19th and 20th Century Polish History
PIEKAROYK, S., Medieval History
PIETRZAK-PAWLOWSKA, I., 19th and 20th Century Polish History
RODZINSKI, A., Modern History
SADURSKA, ANNA, Mediterranean Archæology
SAMSONOWICZ, H., Medieval History
SOBIESKI, M., Musicology
STARZYŃSKI, J., History of Modern Art
SWIDEREK, A., Papyrology
TOMKIEWICZ, W., History of Artistic Culture
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WARTOLOWSKA, Z., Polish Archæology
ZAHORSKI, A., Modern History

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DANYSZ, M., Atomic Physics
INFELD, L., Electrodynamics and Theory of Relativity
KOPCEWICZ, T., Atmospheric Physics
KRÓLIKOWSKI, W., Optics and Mechanics
KURATOWSKI, K., Topology
ŁUNC, M., Aeromechanics
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SIKORSKI, R., Mathematical Analysis
SKALIŃSKI, T., Experimental Physics
SOSNOWSKI, L., Electronics and Radiology
SUFFCZYŃSKI, M., Electrodynamics and Theory of Relativity
SZMIELEW, W., Geometry
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SZYMANSKI, Z., Physics
TRAUTMAN, A., Electrodynamics
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WARDZYNSKI, W., Physics of Solids
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WILHELMI, Z., Atomic Physics
WOLSKA, A., Physics
ZELASNY, R., Physics
ZONN, W., Astronomy

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KUPISCWISZ, M.
OKOŃ, W.
PASIERBIŃSKI, T.
PECHERSKI, M.
STARODEIAK, J.
SUCHODOLSKI, B.
SZANIAWSKI, J.
WOJCIECHOWSKI, K.
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ZEBROWSKA, MARIA, Educational Psychology

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WERALSKI, M., Financial Law
ZAKNEUSKA, JANINA, Constitutional Law
ZDROJKOWSKI, Z., History of Institutions

UNIWERSYTET WROCŁASSKI IM. BOLESLAWA BIERUTA
(Wroclaw B. Bierut University)

WROCŁAW,
PLAC UNIWERSYTECKI 1,
WROCŁAW

Telephone: 362-16, 368-47.
Telegraphic Address: Uniwersytet, Wrocław.

Rector: Prof. Dr. A. JAHN.
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Registrar: J. ORMICKI.
Librarian: Dr. J. PEŁCZYNA.

Number of teachers: 131.
Number of students: 7,625.
Publication: *Acta Universitatis Wratislaviensis.*

DEANS:

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Faculty of Philology: Prof. Dr. J. ŁANOWSKI.
Faculty of Philosophy and History: Prof. Dr. J. GIEROWSKI.
Faculty of Natural Sciences: Prof. Dr. W. WALCZAK.
Faculty of Mathematics, Physics and Chemistry: Prof. Dr. C. RYLL-NARDZEWSKI.

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BAK, S., Philology
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HUBERT, S., Law
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JAHN, A., Geography
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TECHNICAL UNIVERSITIES

POLITECHNIKA CZESTOCHOWSKA
(Częstochowa Technical University)

UL. DEGLERA 35, CZESTOCHOWA

Telephone: 25-80, 31-31.

Telegraphic Address: Politechnika, Częstochowa.

Founded 1949.

Rector: Prof. Dr. Inż. J. GRAJCAR.
Pro-Rector: Doc. Mgr. Inż. J. PALCZEWSKI.
Chief Administrative Officer: Mgr. H. KOŹMIŃSKI.
Librarian: Mgr. Z. MROWIŃSKI.

Number of teachers: 154.
Number of students: 1,516.

Publications: *Zeszyty Naukowe Politechniki Częstochowskiej* (Scientific Journal; Series in Mechanics, Metallurgy, Foundry, Basic Sciences, Dissertations).

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UL. MAJAKOWSKIEGO 11, GDAŃSK

Telephone: 471-269.

Founded 1945.

Rector: Prof. Dr. K. KOPECKI.
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Library: 280,000 volumes.

Number of teachers: 647.
Number of students: 7,089.

Publications: *Zeszyty Naukowe Politechniki Gdańskiej* (Scientific Papers of the Technical University of Gdańsk—irregular), *Wykazy Nowych Nabytków Biblioteki* (Library Acquisitions Lists—quarterly).

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SZEWALSKI, R., Steam and Gas Turbines
WIECKOWSKI, J., Mechanics of Ship Structures
WYSOCKI, J., Mechanics

Faculty of Civil Engineering:
BESALA, P., Mathematics
BOGUCKI, W., Steel Structures
CHUDZIKIEWICZ, A., Structural Mechanics
DABROWSKI, R., Structural Mechanics
KAZIMIERCZAK, R., Structural Mechanics
PAWELSKI, W., Mathematics
RATAJ, J., General Building
SZAMIN, T., Principles of Building
SZCZYGIEŁ, J., Reinforced Concrete Bridges
SZULCZYŃSKI, T., Reinforced Concrete Buildings
WILDE, P., Structural Mechanics
WRZEŚNIOWSKI, Z., Road Construction and Earth Works

Faculty of Hydraulics:
BALCERSKI, W., Hydraulics Construction
CEBERTOWICZ, R., Hydraulics and Hydrology
GORDZIEJCZUK, W., Waterways
HÜCKEL, S., Foundation
KARWOWSKI, J., Waterways
SIELSKI, J., Hydraulics and Hydrology
SZYMBORSKI, S., Geology and Oceanography
TUBIELIWICZ, W., Harbours and Sea Works
WEDZIŃSKI, W., Land Reclamation

Faculty of Chemistry:
ADAMCZEWSKI, I., Physics
BOROWSKI, E., Biochemistry
KAMIEŃSKI, L., Organic Chemistry
LEDÓCHOWSKI, Z., Drugs Chemistry and Technology
LIBUS, W., Physical Chemistry
NIEWIADOMSKI, H., Fat Technology
POMPOWSKI, T., Technical Analytical Chemistry and Testing of Materials
RODZIEWICZ, WANDA, Inorganic Chemistry
ROSNER, WITOLD, Chemical Machinery and Apparatus
ROZMEJ, Z., Chemical Technology
SZCZEPULA, WANDA, Microbiology
TARNAWSKI, E., Mathematics
TASZNER, E., Chemistry of Natural Products
TILGNER, D., Animal Products Technology

Faculty of Electrical Engineering:
CIECHANOWICZ, P., Principles of Electrical Engineering
GOSCICKI, I., Rural Electrification
GRUDZIECKI, S., High Voltage and Switch Gear
HELLMANN, W., Electrical Power Engineering
JANKOWSKI, A., Electrical Power Engineering
KENIG, E., Applied Electrical Engineering
KOPOECKI, K., Electrical Power Engineering

KURSKI, L., Electrical Drive
LIPSKI, T., High Voltage and Switch Gear
MARKIEWICZ, H., Marine Electrical Engineering
PIASECKI, J., Plants Electrification
RODKIEWICZ, M., Electrical Drive
ROSZCZYK, S., Electrical Machines
SZPOR, S., High Voltage and Switch Gear
WOYNAROWSKI, Z., Elements of Machines and Electrical Devices

Faculty of Electronics and Telecommunications:
DROZDOWICZ, L., Microwave Technics
JAGODZINSKI, Z., Radio Navigation
KNOCH, L., Transmitter Technics
LENKOWSKI, J., Radio Receiving Equipment
MOSCICKI, W., Physics
SEIDLER, J., Principles of Telecommunications
SZUKSZTA, W., Switching Equipment and Telephone Systems
ZIMMERMANN, R., Electronic Measurements

Faculty of Mechanical Engineering:
BURACZEWSKI, C., Thermodynamics
DEBICKI, M., Motor Vehicles
KRZYZANOWSKI, W., Hydraulic Turbines and Hydromechanics
LIPOWICZ, R., Refrigeration Engineering
PIATEK, M., Technical Mechanics
RACHALSKI, A., Mechanical Handling Equipment
RUTECKI, J., Strength of Materials
WIECKIEWICZ, H., Piston Steam Engines
ZYGMUNT, K., Machine Elements

Faculty of Machine Technology:
DREHER, L., Welding
DZIEWANOWSKI, R., Mechanical Technology of Wood
KRYŃSKI, H., Political Economy
MYŚLIWIEC, M., Welding
SIEMIŃSKI, R., Wood-Working Machines

POLITECHNIKA KRAKOWSKA
(Cracow Technical University)

WARZAWSKA 24, CRACOW
Telephone: 303-00.
Founded 1945.

Rector: Prof. Dr. Ing. B. KOPYCIŃSKI.
Chief Administrative Officer: J. WYDRO.
Librarian: J. CZERNI.

Teaching staff: 345.
Number of students: 4,405.
Library: 60,132 volumes.
Publication: *Czasopismo Techniczne* (Technical Bulletin—monthly).

DEANS:

Faculty of Architecture: Doc. Mgr. Inż. W. KORSKI.
Faculty of Civil Engineering: Prof. Dr. Inż. K. SOKALSKI.
Faculty of Hydraulic Engineering: Prof. Mgr. Inż. S. SZERSZEŃ.
Faculty of Mechanical Engineering: Prof. Mgr. Inż. J. WALCZAK.

PROFESSORS:

ANDRUSZEWICZ, S., Bridge Construction
BORUSIEWICZ, W., Building Structures
CHRZANOWSKI, S., Heat Systems Engineering
CIESIELSKI, R., Theory of Structures
CIOŁEK, G., City Planning, Landscape Design
GRUSZCZYŃSKI, W., Architectural Design
HALAUNBRENNER, M., Physics
KACZMAREK, J., Metal Cutting
KAJETANOWICZ, Z., Construction of Dams and Power Stations
KOPYCIŃSKI, B., Reinforced Concrete Building
KOZŁOWSKI, T., Statics and Strength of Materials
KRAKOWSKI, J., Chemical Machinery Construction
KUPIEC, Z., Municipal Building Design
MIELNICKI, S., Building Structures
MŚZIWUJEWSKI, A., History of Art and Architecture
RIEDEL, T., Metal-Working Machines
RZYMKOWSKI, A., Rural Design
SMIAŁOWSKI, R., Material and Building Construction
SOKALSKI, K., Road Construction
SZERSZEŃ, S., Geometry
WALCZAK, J., Technical Mechanics
WATORSKI, J., Organisation and Mechanisation of Construction
ZÓRAWASKI, J., Industrial Design
ZYCZKOWSKI, M., Technical Mechanics

POLITECHNIKA ŁÓDZKA
(Technical University of Łódź)

ŻWIRKI 36, ŁÓDŹ
Telephone: 399-80, 399-92.
Founded 1945.

Rector: J. WERNER.
Pro-Rectors: K. PRZANOWSKI, Prof. M. SERWINSKI.
Director: M. ALBERT.
Librarian: *Mgr.* J. WALEWSKI.

Library: Books 125,811 volumes, periodicals 20,341 volumes, special publications (patents, standards) 55,254 volumes.
Number of staff: 534.
Number of students (1965): 5,900.
Publication: *Zeszyty Naukowe Politechniki Lódzkiej.*

DEANS:

Faculty of Mechanics: W. MERC.
Faculty of Electricity: S. DZIERZBICKI.
Faculty of Chemistry: S. CHRZCZONOWICZ.
Faculty of Textiles: M. MALINOWSKI.
Faculty of Chemistry of Foodstuffs: J. KROH.
Faculty of Building: W. KUCZYŃSKI.

PROFESSORS:

Faculty of Mechanics:
GUNDLACH, W., Thermal Flow Machines
KOREWA, W., Machine Design
KORNBERGER, Z., Technology of Machine Structures
LEYKO, J., Strength of Materials
MERC, W., Refrigerating Engineering
PARSZEWSKI, Z., Theory of Machines
PIATKIEWICZ, A., Cranes and Conveyors Design
SZRENIAWSKI, J., Technology of Metals
WENDORFF, ZOFIA, Physical Metallurgy
WERNER, J., Thermal Piston Machines
WERNER, J., Automobile Engineering

Faculty of Electricity:
DZIERZBICKI, S., Electrical Apparatus
IWASZKIEWICZ, W., Measurements
JAWORSKI, C., Electric Trains
JEZIERSKI, E., Electric Machines and Transformers
PEŁCZEWSKI, W., Electric Drive
PRZANOWSKI, K., Electric Energetics
SOCHOR, B., Electric Heating

Faculty of Chemistry:
BOCHWIC, B., Organic Chemistry and Microanalysis
CHRZCZONOWICZ, S., Technology of Plastics
DORABIALSKA, ALICJA, Physical Chemistry
JÓZEFOWICZ, E., Inorganic Chemistry
KROH, J., Radiochemistry
KRYSICKI, W., Mathematics
MICHALSKI, J., Organic Syntheses
SUREWICZ, W., Pulp and Paper Technology
SZWARCSZTAJN, E., Pulp and Paper Technology

Faculty of Textiles:
CHWALIBÓG, M., Textile Machine Design
KLIMEK, M., The Industrial Arrangement of Textile Institutions
PRINDISZ, P., Spinning
SZMELTER, J., Technical Mechanics
TURSKA-KUSMIERZ, E., Physical Chemistry of Polymers
ZUREK, W., Textile Materials
ZYLIŃSKI, T., Raw Materials and Meteorology

Faculty of Chemistry of Foodstuffs:
JAKUBOWSKA, JADWIGA, Technical Microbiology
MASIOR, S., Technology of Fermentation
SERWIŃSKI, M., Chemical Engineering
ZAGRODZKI, S., Sugar and Foodstuffs Technology

Faculty of Building:
KUCZYŃSKI, W., Reinforced Building
RUDZKI, R., Building

POLITECHNIKA POZNAŃSKA
(Poznań Technical High School)

PL. CURIE SKŁODOWSKIEJ 5, POZNAŃ
Founded 1918.

Rector: Prof. Dr. Ing. Z. JASICKI.
Pro-Rectors: Prof. D.Sc. K. KAPITAŃCZYK, Prof. Mgr. Ing. T. OLEJNIK.
Directors: Mgr. C. BARTCZAK, Mgr. Ing. A. GORZANIAK.
Librarian: Mgr. ANNA SZEPTYCKA.

Number of teachers: 335.
Number of students: 4,664.
Library: 52,000 volumes, 20,000 standards.
Publications: *Zeszyty Naukowe Politechniki Poznańskiej* (Faculty Journals).

DEANS:

Faculty of Civil Engineering: Doc. Dr. W. JANKOWSKI.
Faculty of Mechanical Engineering: Doc. Mgr. Ing. M. TUTAK.
Faculty of Electrical Engineering: Doc. Mgr. Ing. J. WEGLARZ.
Faculty of Agricultural Mechanisation: Doc. Dr. Ing. K. NIEWIEAROWSKI.

PROFESSORS:

Faculty of Civil Engineering:
CHWALIBÓG, Z., Architecture
CZARNECKI, W., Town Planning
HILDEBRANDT, E., Steel Building
JANKOWSKI, W., Descriptive Geometry
KOŁACZKOWSKI, S., Water Supply, Sewage
KOŁAK, R., Reinforced Concrete
ORZECHOWSKI, J., Soil Mechanics and Foundations
STEFAŃSKI, A., Building Materials and Testing
SYSAK, J., Railway Engineering
WRZEŚNIOWSKI, K., Structural Engineering

Faculty of Mechanical Engineering:
KAPITAŃCZYK, K., Theoretical and Inorganic Chemistry
KARAŚKIEWICZ, E., Theoretical and Technical Mechanics
KIEPUSZEWSKI, B., Machine Tools
KURZAWA, Z., Analytical Chemistry
MIKIEWICZ, T., Foundry Technology
OLEJNIK, T., Economics of Industry
PIETRZYK, W., Applied Thermodynamics
TULISZKA, E., Applied Thermodynamics
TUTAK, M., Machine Tools
TWARDOSZ, F., Materials Testing
TYCHOWSKI, F., Technology of Metals
WIŚNIEWSKI, S., Theory of Mechanics

Faculty of Engineering:
BUTLEWSKI, Z., Mathematics
JASICKI, Z., Electroenergetics
PUCHALKA, T., Fundamentals of Automatic Control
SEIDEL, S., Power Current Electrical Apparatus
SZUBERT, W., Electronic Engineering
SZYMAŃSKI, K., Drives and Tracks
WĘGLARZ, J., Electrical Machines

Faculty of Agricultural Mechanisation:
BARTOSIK, A., Agricultural Engineering
BOGUSŁAWSKI, Agricultural Economics
DERSKI, W., Technical Mechanics
NIEWIAROWSKI, K., Combustion Engineering
POLAŃSKI, A., Cranes and Conveyors

POLITECHNIKA SLASKA IM. W. PSTROWSKIEGO
(Silesia Technical University)

GLIWICE, UPPER SILESIA
Telephone: Gliwice 2349.
Founded 1945.

Rector: Prof. Dr. Ing. T. LASKOWSKI.
Pro-Rectors: J. LEDWOŃ, J. SZUBA, Prof. Ing. K. KUTARBA.

Library: 138,423 volumes.
Number of teachers: 764.
Number of students: 7,482.

DEANS:

Faculty of Industrial Building Engineering: Doc. Dr. Ing. Z. BUDZIANOWSKI.
Faculty of Chemistry: Prof. Z. JEDLIŃSKI.
Faculty of Electrotechnology: Doc. Ing. M. PLUCIŃSKI.
Faculty of Mining Engineering: Prof. T. ZARAŃSKI.
Faculty of Sanitary Engineering: Doc. Dr. Ing. J. PALUCH.
Faculty of Mechanical Engineering: M. ZARZYCKI.

POLITECHNIKA SZCZECINSKA
(Technical University of Szczecin)

UL. PIASTOW 17, SZCZECIŃ
Telephone: 70-91, w. 120.
Founded 1946.

Rector: Prof. J. KEPIŃSKI.
Pro-Rectors: Prof. A. FABESZEWSKI, Prof. A. MASSALSKI.

Library: over 174,000 volumes.
Teaching staff: 305, including 83 professors.
Number of students: 2,131.

DEANS:

Faculty of Civil Engineering: Prof. M. FRANCZUK.
Faculty of Mechanical Engineering: Prof. S. PROWANS.
Faculty of Chemistry: Prof. T. ROSNER.
Faculty of Electrical Engineering: Prof. J. RABIEJ.
Faculty of Transport Economics: Prof. S. SCHWANN.

POLITECHNIKA WARSZAWSKA
(Technical University of Warsaw)

PLAC JEDNOSCI ROBOTNICZEJ 1, WARSAW
Telephone: 210-07.
Founded 1898.

Rector: Prof. D. SMOLEŃSKI.
Pro-Rectors: Prof. J. RÓŻYCKI, Prof. M. SKARBIŃSKI, Prof. H. SMIGIELSKI.
Registrar: S. ZABOROWSKI.
Librarian: Eng. S. GNIAZDOWSKI.

Library: 568,000 volumes.
Number of teachers: 1,545.
Number of students: 11,650.
Publications: *Zeszuty Naudowe* (Faculty Journals).

DEANS:

Faculty of Architecture: Doc. S. TWORKOWSKI.
Faculty of Civil Engineering: Prof. K. EYMAN.
Faculty of Chemical Engineering: Prof. J. HURWIC.
Faculty of Electrical Engineering: Prof. J. PODOWSKI.
Faculty of Geodesy and Cartography: Prof. C. KAMELA.
Faculty of Sanitary and Hydraulic Engineering: Prof. H. WALDEN.
Faculty of Transportation: Prof. Z. POGONOWSKI.
Faculty of Electronics: Prof. S. SLAWIŃSKI.
Faculty of Mechanical, Energy and Aircraft Engineering: Prof. J. ODERFELD.
Faculty of Machine and Vehicle Construction: Doc. J. DMITREWSKI.
Faculty of Fine Mechanics: Doc. H. TREBERT.
Faculty of Machine Construction Technology: Doc. T. PUFF.

POLITECHNIKA WROCŁAWSKA
(Wroclaw Technical University)

WYBRZEŻE WYSPIAŃSKIEGO 27, WROCŁAW 2
Telephone: 270-51, 226-08.

Rector: Prof. Z. SZPARKOWSKI.
Pro-Rectors: Prof. H. KUCZYNSKI, Prof. A. KORDECKI, Doc. J. POPKIEWICZ.
Administrative Director: W. WYCICHOWSKA.
Librarian: Mgr. J. TARNAWSKI.

Library: 130,000 volumes.
Number of teachers: 722.
Number of students: 4,695.
Publication: *Zeszyty Naukowe Politechniki Wroclawskiej.*

DEANS:

Faculty of Architecture: Prof. H. LEWULIS.
Faculty of Chemistry: Prof. J. SCHROEDER.
Faculty of Civil Engineering: Prof. A. MITZEL.
Faculty of Communication Engineering: Prof. Z. ZYSZKOWSKI.
Faculty of Electrical Engineering: J. TROJAK.
Faculty of Mechanical Engineering: Doc. H. GUMIENNY.
Faculty of Power Engineering: Prof. T. WROBLEWSKI.
Faculty of Sanitary Engineering: Doc. T. GABRYSZEWSKI.

PROFESSORS:

ANDRZEJEWSKI, F., Electrical Drives
BROMIRSKI, J., Digital Computers
BRZOZA, T., Design of Living Houses
BUKALA, M., Technology of Organic Industry
CHOWANIEC, W., Metal Working
CYBULSKI, A., Structural Mechanics
CZARNECKI, W., Design of Towns and Settlements
CZERNY, W., Design of Towns and Settlements
FERENCOWICZ, J., Heating and Ventilation
FRYDECKI, A., Design of Social Utility-Buildings
GUERQUIN, B., History of Polish Architecture
GUMIENNY, H., Foundry
JELLONEK, A., Electronic Measurements
KISIEL, I., Foundations of Buildings
KORDECKI, A., Electrical Machinery
KOZUCHOWSKI, J., Electric Power Systems
KUCZYNSKI, H., Organic Chemistry
KURDZIEL, R., General Electrical Engineering
KURYŁOWICZ, J., Electrical Measurements
LEWULIS, H., Architecture and Buildings Materials
MILKOWSKA, MARIA, Telephone Exchange Systems
MITZEL, A., Reinforced Concrete Structures
ROGA, B., Chemical Technology of Coal
ROMER, W., Phototechnique
SASIADEK, M., Machine Measurements
SCHROEDER, J., Inorganic Technology
SICIŃSKI, Z., High Voltages
SKOWRONSKI, J. I., High Voltages
SOBOLSKI, R., Cranes and Transportation Equipment
STALIŃSKI, B., Inorganic Chemistry
SUSKI, M., Fundamentals of Telecommunication and Microwave Technique
SZAREJKO, W., General Building
SZMIDT, B., Design of Industrial Buildings
SZPARKOWSKI, Z., Telemechanics and Automatics
TEISSEYRE, J., Theory of Mechanisms and Machines
TOMANKIEWICZ, T., Radio Engineering
TOMASIK, Z., Petroleum and Liquid Fuels Technology
TROJAK, J., Protection and Relaying
TROSKOLANSKI, A., Mechanics of Liquids and Gases
TRZEBIATOWSKA, B., Rare Elements Chemistry
TRZEBIATOWSKI, W., Inorganic Chemistry
WISNIOWSKI, W., Theory of Thermal Machines
WROBLEWSKI, T., Steam Boilers
ZACHARA, M., Building Materials
ZAKRZEWSKI, M., Metallurgy
ZAWADZKI, J., Technical Mechanics
ŻELESKI, A., Heating and Ventilation
ZIOLKOWSKI, Z., Chemical Engineering
ZYSZKOWSKI, Z., Cable Teletransmission

HIGHER INSTITUTES

Agriculture

Szkoła Glowna Gospodarstwa Wiejskiego (*Warsaw Agricultural University*): Warsaw; f. 1919; faculties of agriculture, zootechnics, horticulture, forestry, wood technology, land improvement, veterinary science, agricultural economics, food processing technology; Rector Prof. A. Kleszczycki; 545 staff, 4,500 students.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Cracow; f. 1890; faculties of agriculture, zootechnics, water amelioration, forestry; depts. of horticulture, geodetics; Rector Prof. Dr. T. Ruebenauer; 46 teachers, 2,634 students; library of 13,600 vols.; publs. *Zeszyty Naukowe Wyższej Szkoły Rolniczej w Krakowie* (Scientific Journals).

Wyższa Szkoła Rolnicza (*College of Agriculture*): Lublin; faculties of veterinary science, agriculture, zootechnics; Rector Prof. Dr. S. Ziemnicki; 39 staff, 1,448 students; library of 87,500 vols.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Olsztyn; f. 1950; faculties of agriculture, zootechnics, dairying, fisheries, geodetics; Rector Prof. Dr. M. Koter; 40 staff, 1,848 students; library of 82,597 vols.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Poznań; f. 1951; faculties of horticulture, agriculture, zootechnics, silviculture, wood technology, food technology; Rector Prof. Dr. Z. Tuchołka; 97 staff, 2,640 students; library of 257,388 vols.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Szczecin; faculties of agriculture and zootechnics; Rector Doc. Dr. M. Kubasiewicz; 32 staff, 1,323 students; library of 43,491 vols.

Wyższa Szkoła Rolnicza (*College of Agriculture*): Wrocław, Norwida 29; f. 1951; faculties of agriculture, veterinary science, zootechnics, water melioration; Rector Prof. Dr. T. Garbulinski; 69 staff, 1,650 students; library of 80,000 vols.; publs. *Zeszyty Naukowe Wyższej, Szkoly Rolniczej we Wrocławiu.*

Economics, Diplomacy, Law

Szkoła Główna Planowania i Statystyki (*Central School for Planning and Statistics*): Warsaw; f. 1906; faculties of finance and statistics, home trade, foreign trade, economics of production; Rector Prof. Dr. K. Romaniuk; 203 staff, 5,000 (internal and external) students.

Szkoła Główna Służby Zagranicznej (*Foreign Service College*): Warsaw, Wawelska 56; est. 1915; students and staff 515; diplomatic and consular courses; Rector Prof. Dr. T. Cieślak.

Wyższa Szkoła Ekonomiczna (*Cracow School of Economics*): Cracow, Rakowicka 27; f. 1925; faculty of industry and trade economics with the subdivisions of studies in general economics, commerce, industry; 114,000 vols.; Rector Dr. W. Bieda; 108 staff; 3,055 students; publ. *Zeszyty Naukowe* (Scientific Sheets).

Wyższa Szkoła Ekonomiczna (*School of Economics*): Katowice, 1 Maja 50; f. 1946; faculties of industrial economics; Rector Prof. Dr. J. Szaflarski; 103 staff, 3,500 students; library of 115,000 vols.; publ. *Zeszyty Naukowe WSE* (quarterly).

Wyższa Szkoła Ekonomiczna (*School of Economics*): Łódź; f. 1945; faculty of industry and commerce; Rector Prof. Dr. E. Rosset; 28 staff, 726 full-time students, 1,341 external students; library of 94,000 vols.; publ. *Quarterly Journal.*

Wyższa Szkoła Ekonomiczna (*School of Economics*): Poznań, Marchlewskiego 146; f. 1926; faculties of commerce and general economics; Rector Prof. Dr. S. Smoliński; 102 staff, of which 28 are professors, 1,400 students; library of 110,000 vols.

Wyższa Szkoła Ekonomiczna (*School of Economics*): Sopot; f. 1945; faculties of maritime economics; Rector Prof. Dr. S. Ladyka; 14 staff, 2,630 students; library of 81,000 vols.

Wyższa Szkoła Ekonomiczna (*School of Economics*): Wrocław; f. 1947; faculties: industrial engineering and economics, economics and organisation of enterprise; Rector Prof. J. Fiema; 107 staff, 1,208 full-time, 177 external and 92 postgraduate students; library of 155,000 vols.

Medicine

Akademia Medyczna (*Medical Academy*): Białystok; f. 1950; medical faculty; Rector Prof. Dr. L. Komczyński; Dean Doc. R. Kordecki; 58 teachers, 1,568 students.

Akademia Medyczna (*Medical Academy*): Cracow; f. 1950; faculties of medicine and pharmacology; Rector Prof. Dr. L. Tochowicz; 60 staff, 2,223 students.

Akademia Medyczna (*Medical Academy*): Gdańsk; f. 1945; faculties of medicine, stomatology and pharmacology; Rector Prof. Dr. J. Penson; 56 staff, 2,298 students.

Akademia Medyczna (*Medical Academy*): Łódź; f. 1950; faculties of medicine and pharmacology; there is a sub-faculty of stomatology; Rector Prof. Dr. M. Stefanowski; 60 staff, 2,329 students.

Akademia Medyczna (*Medical Academy*): Lublin; f. 1950; Rector Prof. Dr. M. Stelmasiak; 47 staff, 1,924 students.

Akademia Medyczna (*Medical Academy*): Poznań; f. as University faculty 1920, as Academy 1950; faculties of medicine and pharmacy; Rector Prof. Dr. W. Michalkiewicz; library of 87,196 vols.; 748 staff, 2,457 students.

Akademia Medyczna (*Medical Academy*): Warsaw, Filtrowa 30; f. 1950; faculties of medicine and pharmacy; Rector Prof. Dr. B. Górnicki; Head of affiliated College of Stomatology Prof. J. Krzywicki.

Akademia Medyczna (*Medical High School*): Wrocław, ul. Pasteura 1; f. 1950; faculties of medicine and pharmacy; Rector Prof. Dr. T. Baranowski; 63 staff, 2,371 students.

Pomorska Akademia Medyczna (*Pomeranian Medical Academy*): Szczecin; f. 1948; medical faculties; 427 mems., 1,650 students; Rector Prof. Dr. A. Krechowiecki; publ. *Annals of the Pomeranian Medical Academy.*

Slaska Akademia Medyczna (*Silesian Medical Academy*): Zabrze-Rokitnica; f. 1948; medical faculties; Rector Prof. Dr. W. Niepołomski; staff 43, students 2,045.

Pedagogy

Wyższa Szkoła Pedagogiczna (*Pedagogical High School*): Cracow, ul. Straszewskiego 22; f. 1946; faculties of Philology and History, Geography and Biology, Mathematics and Physics; Rector Prof. Dr. W. Danek; 216 teachers, 4,449 students.

Wyższa Szkoła Pedagogiczna (*Pedagogical High School*): Gdańsk-Wrzeszcz, Sobieskiego 18; f. 1946; faculties of Philology and History, Mathematics, Physics and Chemistry, Geography; Rector L. Bandura; 4,000 students.

Wyższa Szkoła Pedagogiczna (*Pedagogical High School*): Katowice, Szkolna 9; f. 1950; faculties of Philology and History, Mathematics, Physics and Chemistry; 3,500 students.

Wyższa Szkoła Pedagogiczna (*Pedagogical High School*): Opole, Oleska 48; f. 1951; faculties of Philology and History, Mathematics and Physics.

TECHNOLOGY AND ENGINEERING

Akademia Górniczo-Hutnicza (*Academy of Mining and Metallurgy*): Cracow, Mickiewicza 30; f. 1919; faculties of metallurgy, mining geology, mining, mining geodetics, mining and metallurgical mechanics and electrical engineering, foundry engineering, ceramics; institute of nuclear physics; Rector Prof. K. ŻEMAITIS; teaching staff 751, including 128 professors, 1,623 students; library (*see under* Libraries); publ. Scientific Bulletins.

THEOLOGY

Akademia Teologii Katolickiej (*Catholic Theological Academy*): Warsaw, Bielany, ul. Gwiaździsta 81; Rector Prof. Dr. J. IWANICKI; Pro-Rector Prof. Dr. I. SUBERA; Dean of Theology Prof. Dr. E. WYCZAWSKI, of Christian Philosophy Prof. Dr. K. KŁÓSAK, of Canon Law Prof. Dr. M. MYRCHA; 56 staff, 200 students; library of 45,000 vols.

Chrzescijanska Akademia Teologicnza (*Christian Theological Academy*): Warsaw, Chylice p. Skolimow, ul. Dluga 43; Rector Rev. Prof. W. GASTPARY; 21 staff, 92 students; library of 21,900 vols.

SCHOOLS OF ART AND MUSIC

Akademia Sztuk Plastycznych (*Academy of Fine Arts*): Cracow; faculties of painting, sculpture, graphic art, interior decoration, scene painting, textile design, poster art, conservation of works of art, general studies.

Akademia Sztuk Pięknych (*Academy of Fine Arts*): Warsaw; f. 1908 as Warszawska Szkola Sztuk Pięknych (Warsaw School of Fine Arts), renamed 1927; faculties of painting and graphic art, sculpture, interior design; special studies: scene painting, textile design, conservation of works of art, industrial design teaching.

Państwowa Wyższa Szkoła Teatralna i Filmowa im Leona Schillera (*School of Theatre and Cinematography*): Łódź, Targowa 61; f. 1948; faculties of film direction, camera work, acting, production and stage management.

Państwowa Wyższa Szkoła Muzyczna (*State School of Music*): Katowice; f. 1945; faculties of composition, theory, conducting, instrumentation, instrumental and vocal technique, music teaching, teacher training and choir conducting; teaching staff 57, students 259; library of 35,000 vols.

Państwowa Wyższa Szkoła Muzyczna (*State School of Music*): Warsaw; f. 1810; faculties of composition, theory, conducting, piano and organ, instrumentation, vocal technique, musical management (only faculty of its kind in Poland which prepares musicians for specialised radio and cinematograph work).

Państwowa Wyższa Szkoła Teatralna (*Theatre School*): Cracow; f. 1957; faculties of acting and stage craft; puppet theatre section.

Państwowa Wyższa Szkoła Teatralna (*State Theatre School*): Warsaw; f. 1946; faculties of acting and production; Rector Prof. J. KRECZMAR.

Państwowa Wyższa Szkoła Muzyczna (*School of Music*): Cracow; f. 1945; faculties of composition, theory and conducting; instrumentation; vocal technique; teacher training and choir conducting.

Wyższa Skoła Muzyczna (*School of Music*): Łódź; f. 1945; faculties of composition, theory, conducting, instrumentation, instrumental and vocal technique, music teaching.

Wyższa Szkoła Muzyczna (*School of Music*): Poznań; f. 1920; faculties of composition, theory, conducting, instrumental technique, vocal technique, music teaching.

Wyższa Szkoła Muzyczna (*School of Music*): Sopot; f. 1947; faculties of composition, theory, conducting, instrumentation, vocal technique, music teaching; R. HEISING.

Wyższa Szkoła Muzyczna (*School of Music*): Wrocław; f. 1945; faculties of composition, theory, conducting, instrumentation, vocal technique, music teaching.

Wyższa Szkoła Sztuk Plastycznych (*School of Art*): Łódź; f. 1945; faculties of textile design, dress design; general studies.

Wyższa Szkoła Sztuk Plastycznych (*School of Art*): Poznań; f. 1945; faculties of interior decoration, painting, sculpture and pottery.

Wyższa Szkoła Sztuk Plastycznych (*School of Art*): Gdańsk; f. 1945; faculties of painting, architecture and sculpture.

Wyższa Szkoła Sztuk Plastycznych (*School of Art*): Wrocław; faculties of ceramics and glass, interior decoration, general studies.

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Academia das Ciências de Lisboa (*Lisbon Academy of Sciences*): Rua da Academia das Ciências 19; f. 1779; effective members: Science 20, Letters 20; corresponding members: Portuguese (Science 29, Letters 23), Brazilian (Science 7, Letters 13), foreign (Science 36, Letters 20); publications: *Anuario Acadêmico, Boletim, Portuguese Bibliographia, Memorias, Sciences et Lettres, Biblioteca de Altos Estudos*, etc.

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AFFILIATION:

Instituto de Altos Estudos (*Institute of Higher Research*): f. 1931.

Academia Portuguesa da História (*Portuguese Academy of History*): Rua da Escola Politécnica 167, 1°; f. 1720 as Academia Real da História Portuguesa, extinct middle 18th century, re-established 1936 with present name; library of 14,200 vols.; 90 mems.; corresponding mems.: 28 Portuguese, 4 Brazilian, 20 other nationalities; publs. *Anais, Boletim, Documentos Medievais Portugueses, Subsídios para a História Portuguesa, Fontes Narrativas da História Portuguesa.*

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Academia Nacional de Belas Artes (*National Academy of Fine Arts*): Largo da Biblioteca; f. 1932; library of 11,302 vols., including some 16th century works; 20 mems., 17 Portuguese corresponding; Pres. Dr. REYNALDO DOS SANTOS; Vice-Pres. RAUL LINO; Sec. ARMANDO DE LUCENA; Vice-Sec. Dr. FERNANDO DE PAMPLONA; publs. *Boletim, Inventário Artístico de Portugal, Belas Artes* (*Revista-Boletim*).

Coimbra

Associação Académica de Coimbra: library of 4,125 vols., 5,000 mems.; Pres. CARLOS CANDAL; publ. *Via Latina.*

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Lisbon

Associação dos Arqueólogos Portugueses (*Asscn. of Portuguese Archæologists*): Largo do Carmo; f. 1863; library of 8,750 vols.; 332 mems.; Pres. Prof. Dr. JOAQUIM FONTES; Sec.-Gen. and Librarian ANTÓNIO MACHADO DE FARIA; Treas. Lieut.-Col. MANUEL AFONSO DO PAÇO; publ. *Arqueologia e Historia* (annually) and *Boletim.*

Associação Portuguesa para o Progresso das Ciências: Praça do Príncipe Real 14; publ. *Actas dos Congressos Luso-Espanhóis* (10 vols.).

Centro de Documentação Científica (*Centre of Scientific Documentation*): Campo dos Mártires da Pátria; f. 1937; national centre of scientific and technical information; 842 Portuguese and 1,248 foreign periodicals; microfilm service; Dir. Dr. A. MEDEIROS-GOUVÊA; publ. *Bibliografia Médica Portuguesa* (annually).

Centro de Estudos de Arte e Museologia (*Centre for Art and Museum Studies*): Museu de Arte Antiga, rua das Janelas Verdes; f. 1942; Dir. Dr. JOÃO COUTO.

Centro de Estudos de Electrónica (*Centre for Electronic Studies*): f. 1954; Dir. Prof. MANUEL JOSÉ DE ABREU FARO.

Centro de Estudos de Estatística Económica (*Centre for the Study of Economic Statistics*): Av. Infante Santo 68, 1° C; f. 1954; Dir. Prof. ALVES MARTINS; publ. *Colectânea de Estudos.*

Centro de Estudos Filológicos (*Centre for Philological Research*): Av. 5 de Outubro, 297–1° E; f. 1932; library of 15,000 vols.; Pres. Dr. J. DO PRADO COELHO; publs. *Boletim de Filologia, Publicaçoes do C.E.F.* (new series).

Centro de Estudos Geográficos (*Centre for Geographical Studies*): Faculty of Letters, University of Lisbon; f. 1943; library of 6,000 vols. and 3,500 different maps; Dir. Prof. Dr. ORLANDO RIBEIRO.

Centro de Estudos Gregorianos (*Centre for Gregorian Studies*): Campo dos Martires da Patria 96–2°; f. 1953; Dir. D. JÚLIA D'ALMENDRA; publ. *Canto Gregoriano.*

Comissão de Estudos de Energia Nuclear (*Commission for Study of Nuclear Energy*): Av. Rovisco Pais, Instituto Superior Tecnico; f. 1954; Pres. Prof. HERCULANO DE CARVALHO; library with 6,700 vols.

Deutsches Kulturinstitut (*German Cultural Institute*): Av. da Liberdade 222, Lisbon.

Direcção Geral de Minas e Serviços Geológicos (*Office of Mines and Geology*): Ministério da Economia, Rua António Enes, 5; f. 1917; Dir. Eng. FERNANDO SOARES CARNEIRO; publs. *Boletim de Minas, Comunicaçoes dos Serviços Geológicos de Portugal, Estudos, Notas e Trabalhos do Serviçio de Fomento Mineiro* (quarterly), *Memórias dos Serviços Geológicos de Portugal, Carta Geológica de Portugal, Relatórios do Serviço de Fomento Mineiro.*

Direcção Geral dos Serviços Florestais e Aquícolas (*Forestry Department*): Av. Duarte Pacheco 6; f. 1908; in succession to the Administração Geral das Matas do Reino since 1956; there are 3 Research Departments: (1) Experimental Station; (2) Biological Station; (3) Hydrobiological Station; library of 10,000 vols.; Dir.-Gen. FILIPE JORGE MENDES FRAZÃO; publs. *Publicações da Direcção Geral dos Serviços Florestais, Estudos e Informação.*

Estação Agronómica Nacional (*National Agronomical Research Station*): Oeiras; f. 1937; comprises Departments of Systematic Botany and Plant Sociology, Plant Breeding, Plant Physiology, Soils, Zoning, Phytopathology, Microbiology, Entomology, Pomology, Chemistry, Agricultural Statistics; library of 70,000 vols.; 100 research staff; Dir. Prof. DOMINGOS R. VICTORIA PIRES; Librarian QUITÉRIA PINTO DA SILVA; publs. *De Flora Lusitana Comentarii, Agronomia Lusitana, Index Seminum.*

Fundação Calouste Gulbenkian (*Calouste Gulbenkian Foundation*): Parque de Santa Gertrudes, Avenida de Berne; non-profit making organisation which awards grants in the fields of education, art, science and charity; Chair. Dr. JOSÉ DE AZEREDO PERDIGÃO.

Institut Français au Portugal (*French Inst.*): Rua de Santos O Velho 11; f. 1928; cultural centre of the French Government; number of vols.: General Library 19,000 (approx.); Dir. ROBERT BRECHON; publs. *Bulletin des Études Portugaises* (yearly), *Collection des Études Portugaises.*

Instituto Alemao: Av. de Liberdade 222-2; f. 1962; Dir. Dr. H. HELLING.

Instituto "António Aurélio da Costa Ferreira" (*Inst. of Medical Pedagogics, Psychology and Psychiatry*): Travessa das Terras de Sant' Ana 15; f. 1941; 15 mems.; library of 5,500 vols.; Dir. Prof. VICTOR HUGO MOREIRA FONTES; publs. *A Criança Portuguesa* (annually), *Monografias* (irregularly).

Instituto Bacteriológico Câmara Pestana (*Bacteriological Inst.*): Rua do Instituto Bacteriológico; dependency of Faculty of Medicine, Lisbon Univ.; f. 1892; Chair of Bacteriology and Parasitology; research on infectious diseases in man and animals; production and control of sera and vaccines, treatment of rabies and diphtheria; library of 30,000 vols.; Dir. Prof. J. CÂNDIDO DE OLIVEIRA; publ. *Arquivos.*

Instituto Britânico em Portugal (*British Institute*): Rua Luis Fernandes 3; f. 1938; library of 17,887 vols.; 3,295 mems. and 2,480 students; Dir. DENIS EDWARD FREAN, O.B.E.; Librarian Dr. CARLOS A. G. ESTORNINHO, M.B.E.

Instituto de Alta Cultura (*Inst. of Higher Culture*): Praça do Príncipe Real 14, 1°; f. 1929 as Junta de Educação Nacional, name changed 1936; Pres. Prof. GUSTAVO CORDEIRO RAMOS; publs. works on science, letters and art.

Instituto de Biologia Maritima (*Marine Biological Institute*): Formerly **Estação de Biologia Maritima**; Cais do Sodré; f. 1919; name changed 1951; Dir. Dr. HERCULANO VILELA; publ. *Travaux de la Station de Biologie Maritime de Lisbonne*, 1919-1950, Nos. 1-53; *Notas e Estudos do Instituto de Biologia Marítima* (since 1951).

Instituto de España en Lisboa (*Institute of Spain in Lisbon*): Actor Tasso 27; Dir. D. FRANCISCO POGIO MESSORANN.

Instituto Hidrográfico (*Hydrographic Institute*): Ministério da Marinha; Dir. Comodoro JOÃO RAMALHO ROSA; hydrographic surveys, nautical charts, sailing directions, tide tables, physical oceanography, magnetic compass adjustments.

Instituto de Investigação Cientifica "Bento da Rocha Cabral" (*Inst. of Scientific Research*): Calçada de Bento da Rocha Cabral 14; f. 1922; biochemical research, pathology, bacteriology, animal and plant histology, tissue culture and physiology; Dir. J. MIRABEAU CRUZ; publs. *Travaux de Laboratoire, Actualidades Biológicas, Relatórios.*

Instituto de Medicina Legal (*Inst. of Forensic Medicine*): Rua Manuel Bento de Sousa 3; f. 1899; library of 12,000 vols.; Dir. Prof. Dr. M. ARSÉNIO NUNES; publ. *Archivo de Medicina Legal.*

Instituto de Oftalmologia "Dr. Gama Pinto" (*Ophthalmic Inst.*): Travessa Larga 2; f. 1891; Dir. Prof. LOPES DE ANDRADE.

Instituto de Orientação Profissional "Maria Luisa Barbosa de Carvalho" (*Inst. for Vocational Guidance*): Largo Trindade Coelho 21; f. 1925; affiliation of Lisbon University; library of 1,130 vols.; Dir. Prof. F. DA COSTA-CABRAL, M.D.; Principal Officials: ANA GONZALEZ, M.D., G. VITERBO, M.D., CAMARA PIRES, M.D., V. MAGALHÃES, M.D., C. SILVA, M.D.; publ. *Boletim* (periodical).

Instituto Geofisico do Infante D. Luis (*Geophysical Inst. of Lisbon Univ.*): Rua da Escola Politécnica; f. 1854; library of 12,000 vols.; Dir. Prof. Dr. AMARO MONTEIRO; publs. *Anais* (annually), *Bulletin Séismique de la Station de Lisbonne* (bi-monthly).

Instituto Nacional de Estatistica (*National Statistical Inst.*): Presidência do Conselho, Av. Dr. A. J. de Almeida; f. 1935; library of 66,953 vols.; Acting Dir. Dr. AMARO DUARTE GUERREIRO; Sec. Dr. TEIXEIRA DA SILVA; publs. numerous statistical works, including *Anuário Demográfico, Anuário Estatístico* (2 vols.: *Metrópole, Ultramar*), *Boletim Mensal, Comércio Externo* (annually), *Estado das Culturas* (monthly), *Estatística Agrícola, Estatística Industrial, Estatísticas Financeiras* (annually), *Estatística de Educação* (bi-annually), etc.

Instituto Portugues de Arqueologia, Historia e Etnografia (*Portuguese Archæological, Historical and Ethnographical Inst.*): Edificio dos Jerónimos, Praça do Imperio; Pres. Prof. Dr. MANUEL HELENO; publ. *Ethnos.*

Instituto Português de Oncologia (*Portuguese Oncological Inst.*): Estrada de Bemfica-Palhavã; f. 1923; Sections: clinical surgery, physiology, pathological anatomy, physical chemistry, physics, radiology, cobalt therapy, caesium therapy, bacteriology, and radio-isotopes; School of Nursing; Dir. Prof. FRANCISCO GENTIL; publs. *Arquivo de Patologia, Boletim do Instituto Portugues de Oncologia.*

Istituto Italiano di Cultura (*Italian Cultural Institute*): rua do Salitre 146; Dir. Prof. GUIDO BURGADA.

Jardim e Museu Agricola do Ultramar (*Botanical Gardens and Agricultural Museum of the Overseas Territories*): Calçada do Galvão, Belém; f. 1906; library of 4,014 vols.; herbarium with 41,600 specimens; Dir. Eng. Agr. JOSÉ DIOGO SAMPAYO DE ALBUQUERQUE D'OREY; publs. *Index Seminum* and studies on plants and products of the Overseas Territories.

Junta das Missões Geográficas e de Investigações do Ultramar—JIU (*Geographical Missions and Overseas Provinces Research Council* or *Overseas Research Council*): Av. da Ilha da Madeira (Encosta do Restelo), Lisbon 3; f. 1936; Pres. Eng. CARLOS KRUS ABECASIS; Vice-Pres. Dr. RAIMUNDO BRITES MOITA; Sec. Dr. JOSÉ J. FERRAZ; publs. *Anais da Junta de Investigaçoes do Ultramar;* different series of *Memórias; Estudos, Ensaios e Documentos; Garcia da Orta;* geographical and hydrographical maps and plans of the overseas provinces.

DEPARTMENTS:

Agrupamento Científico anexo ao Laboratório Nacional de Engenharia Civil—ACLNEC (*Scientific Group Attached to the Civil Engineering National Laboratory*): Avenida do Brasil, Lisbon 5; f. 1957.

Agrupamento Científico de Estudos de Geologia—ACEG (*Geological Research Group*): Rua da Escola Politécnica, Lisbon 2; f. 1950.

Agrupamento Científico de Estudos Ultramarinos—ACEU (*Overseas Scientific Research Group*): Faculdade de Ciências da Universidade de Coimbra; f. 1953.

Agrupamento Científico de Farmacognósia para o Estudo das Plantas Medicinais do Ultramar—ACFPM (*Pharmacognostics Research Group for the Study of Overseas Medicinal Plants*): Faculdade de Farmácia, Porto; f. 1956.

Agrupamento Científico de Preparação de Geógrafos para o Ultramar Português—ACPG (*Scientific Group for Geographers' Preparation to Portuguese Overseas*): Instituto de Geografia, Cidade Universitária, Lisbon 4; f. 1957.

Agrupamento de Estudos de Cartografia Antiga—AECA (*Study Group on Early Cartography*): Lisbon Section: Av. da Ilha da Madeira (Encosta do Restelo), Lisbon 3; Coimbra Section: Faculdade de Letras de Coimbra; f. 1961.

Agrupamento de Estudos Ultramarinos Anexo à Faculdade de Ciências da Universidade do Porto—AEU-UP (*Overseas Research Group Attached to the University of Oporto, Faculty of Sciences*): Faculdade de Ciências, Oporto; f. 1961.

Brigada de Estudos da Defesa Fitossantitvária dos Produtos Ultramarinos—BEDFPU (*Phytosanitary Study Group of Overseas Stored Products*): Largo de Santos 3 3°, Lisbon 2; f. 1955.

Brigada de Geologia a S. Tomé—BGST (*S. Tomé Geological Mission*): Universidade de Coimbra; f. 1954.

Centro de Biologia Piscatória—CBP (*Biological Centre for Fisheries*): Rua Dr. António Cândido 9, Lisbon 1; f. 1959.

Centro de Botânica—CB (*Botanical Centre*): Rua de Pedrouços 77, Lisbon 3; f. 1948.

Centro de Documentação Científica Ultramarina—CDCU (*Overseas Scientific Documentation Centre*): Av. da Ilha da Madeira (Encosta do Restelo), Lisbon 3; f. 1957; library of 10,000 books and scientific reports, 2,000 periodicals.

Centro de Estudos de Antropobiologia—CEA (*Research Centre for Anthropobiology*): Avenida de Óscar Monteiro Torres 34, 1° E. Lisbon 1; f. 1954.

Centro de Estudos de Antropologia Cultural—CEAC (*Cultural Anthropology Research Centre*): Rua da Junqueira 86, Lisbon 3; f. 1962.

Centro de Estudos de Cabo Verde—CECV (*Cabo Verde Research Centre*): Cidade da Praia, Cabo Verde; f. 1961.

Centro de Estudos de Serviço Social e Desenvolvimento Comunitário—CEDC (*Community Development Research Centre*): Rua da Junqueira 86, Lisbon 3; f. 1960.

Centro de Estudos Históricos Ultramarinos—CEHU (*Overseas History Research Centre*): Calçada da Boa Hora 30, Lisbon 3; f. 1955.

Centro de Estudos Missionários—CEM (*Missionary Research Centre*): Rua da Junqueira 86, Lisbon 3; f. 1959.

Centro de Estudos de Pedologia Tropical—CEPT (*Tropical Pedology Research Centre*): Tapada da Ajuda, Lisbon 3; f. 1960.

Centro de Estudos Políticos e Sociais—CEPS (*Political and Social Research Centre*): Rua da Junqueira 86, Lisbon 3; f. 1956.

Centro de Geografia do Ultramar—OGU (*Overseas Geography Centre*): Av. da Ilha da Madeira (Encosta do Restelo), Lisbon 3; f. 1946.

Centro de Investigação das Ferrugens do Cafeeiro—CIFC (*Coffee Rust Research Centre*): Estação Agronómica Nacional, Oeiras; f. 1955.

Centro de Zoologia—CZ (*Zoological Centre*): Rua da Junqueira 14, Lisbon 3; f. 1948.

Instituto de Investigação Científica de Angola—IICA (*see* Angola).

Instituto de Investigação Científica de Moçambique—IICM (*see* Mozambique).

Laboratório de Estudos Petrológicos e Paleontológicos do Ultramar—LEPPU (*Overseas Petrological and Paleontological Research Laboratory*): Al. Afonso Henriques 41, 4°D. Lisbon 1; f. 1958.

Laboratório de Estudos Radioisótopos—LER (*Radioisotopes Research Laboratory*): Rua da Junqueira 96, Lisbon 3; f. 1956.

Laboratório de Histologia e Tecnologia de Madeiras—LHTM (*Laboratory for Wood Anatomy and Technology*): Calçada do Galvão, Lisbon 3; f. 1948.

Laboratório de Técnicas Físico-Químicas Aplicadas à Mineralogia e Petrologia—LTF-QMP (*Laboratory of Physical and Chemical Techniques applied to Mineralogy and Petrology*): Al Afonso Henriques 41, 4°E. Lisbon 1; f. 1957.

Missão de Biologia Marítima—MBM (*Maritime Biological Mission*): Rua Dr. António Cândido 9, Lisbon 1; f. 1953.

Missão Botânica de Angola e Moçambique—MBAM (*Botanical Mission for Angola and Mozambique*): Rua de Pedrouços 77, Lisbon 3; f. 1953.

Missão de Estudos Agronómicos do Ultramar—MEAU (*Portuguese Overseas Organisation for Agricultural Research*): Rua Rodrigo da Fonseca 103, 4° Lisbon 1; f. 1960.

Missão de Estudos Apícolas do Ultramar Português—MEAUP (*Mission for Beekeeping Studies*): Rua da Junqueira 14, Lisbon 3; f. 1957.

Missão de Estudos Económicos do Ultramar—MEEU (*Overseas Economic Research Mission*): Rua Francisco Lapa 38, 2° Lisbon 1; f. 1962.

Missão de Estudos do Habitat Nativo da Guiné—MEHNG (*Native Habitat Research Mission in Portuguese Guinea*): Alameda D. Afonso Henriques 41, 4° D. Lisbon 1; f. 1958.

Missão de Estudos do Rendimento Nacional do Ultramar—MERNU (*Overseas National Income Research Mission*): Rua da Junqueira 86, Lisbon 3; f. 1960.

Missão de Estudos Zoológicos do Ultramar—MEZU (*Overseas Zoological Research Mission*): Rua da Junquiera 14, Lisbon 3.

Missão de Geográfia Física e Humana do Ultramar—MGFHU (*Overseas Human and Physical Geography Mission*): Faculdade de Letras, Lisbon 4; f. 1960.

Missão Geográfica de Angola—MGA (*Angola Geographical Mission*): *see* Angola.

Missão Geográfica de Moçambique—MGM (*Mozambique Geographical Mission*): Praça João do Rio 2, 5° E. Lisbon 1; f. 1932.

Missão Geográfica de Timor—MGT (*Timor Geographical Mission*): Rua da Junqueira 59, Lisbon 3; f. 1937.

Missão de Pedologia de Angola—MPA (*Angola Pedological Mission*): Instituto Superior de Agronomia, Calçada da Tapada, Lisbon 3; f. 1953.

Núcleo de Estudos de Farmacologia das Plantas Medicinais do Ultramar—NEFPMU (*Pharmacology Research Group for the Study of Overseas Medicinal Plants*): Rua da Junqueira 96, Lisbon 3; f. 1960.

Junta de Energia Nuclear (*Committee for Nuclear Energy*): R. de S. Pedro de Alcántara; f. 1954; Pres. Eng. José Frederico Ulrich; library of 9,500 vols.

Laboratório de Isótopos Abilio Lopes do Rego, do Instituto Português de Oncologia (*Abilio Lopes do Rego Laboratory of Isotopes of the Portuguese Institute of Oncology*): Palhavã; f. 1953; Dir. Prof. Antonio Manuel Baptista.

Museu e Laboratório Mineralógico e Geológico (*Museum and Laboratory of Mineralogy and Geology*): Faculdade de Ciências, Rua da Escola Politécnica; f. 1837; Dir. Dr. Carlos Fernando Tôrre de Assunção; Curators Dr. José António Neves Brak-Lamy and Dr. Francisco Alvaro Gonçalves; publ. *Boletim*.

Museu Laboratório e Zoológico e Antropológico (*Museu Bocage*) (*Zoological and Anthropological Museum and Laboratory*): Faculty of Sciences, University of Lisbon; Dir. Prof. G. F. Sacarrão; publ. *Arquivos do Museu Bocage*.

Museu, Laboratório e Jardim Botânico (*Museum, Laboratory and Botanical Gardens*): Instituto Botânico da Faculdade de Ciências da Universidade de Lisboa; f. 1874; there are three Departments: (1) Physiology and Genetics (study of growth hormones, their role in the morphogenesis (roots, flowering, tumours)); chromosomic structure; normal and pathological mitosis; (2) Systematic and Phytogeography (lichens, hepaticæ, phanerogamy; inventory problems and phytogeography); (3) Microbiology (Antibiosis, mycosis of timbers and classification problems of yeast); library of 16,000 vols. (access daily from 9 a.m. to 7 p.m.); Dir. Prof. Flavio Resende; Curator G. Sobrinho; publs. *Portugaliae Acta Biologica Série A and B, Delectus Sporarum et Seminum, Revista de Biologia*.

Observatório Astronómico da Faculdade de Ciências de Lisboa (*Astronomical Observatory of Faculty of Sciences*): Cidade Universitaria; f. 1875 by Escola Politécnica; Repsold meridian, etc.; Dir. Prof. Dr. Antonio Gião.

Observatório Astronómico de Lisboa (*Lisbon Astronomical Observatory*): Tapada; f. 1861; Dir. A. Perestrello Botelheiro; publs. *Boletim, Dados Astronómicos*, etc.

Ordem dos Engenheiros (*Association of Engineers*): Av. de Antonio Augusto de Aguiar 3-D; f. 1936; Vice-Pres. Eng. Albano do Carmo Rodríguez Sarme; Sec. Eng. Fernando Pessoa; publ. *Boletim* (monthly).

Ordem dos Médicos (*Medical Assсn.*): Avenida da Liberdade 65, 1°; f. 1938; 7,705 mems.; Pres. Prof. Joao José Lobato Guimarães; publ. *Boletim da Ordem dos Medicos* (montlhy).

Serviços Geológicos de Portugal (*Portuguese Geological Office*): Rua da Academia das Ciências 19; f. 1857;

Library of 40,875 vols.; Dir FERNANDO MOITINHO DE ALMEIDA; Geologists GEORGES ZBYSZEWSKI, JACINTO CORREIA PERDIGÃO, AMILCAR BOTELHO COEHLO, OCTAVIO DA VEIGA FERREIRA, ANTÓNIO DE BARROS E CARVALHOSA, ANTÓNIO RIBEIRO; publs. *Comunicaçoes, Memórias, Noticas*, geological maps.

Serviço Meteorológico Nacional (*National Meteorological Service*): Rua Saraiva de Carvalho; f. 1946; Dir. Prof. Dr. H. AMORIM FERREIRA; publs. include daily, weekly, quarterly and yearly meteorological and geophysical bulletins.

Sociedade de Geográfia de Lisboa (*Lisbon Geographical Soc.*): Rua das Portas de Santo Antão 100; f. 1875; library of 100,000 vols., 6,000 maps; 2,200 mems.; Pres. Prof. Dr. RUY ENNES ULRICH; Secs.-Gen. Prof. Dr. ANTÓNIO DE ALMEIDA, Dr. JÚLIO GONÇALVES; publs. *Relatório, Boletim* (scientific and literary monthly), pamphlets on conditions and prospects in the Overseas Provinces, various works; museum.

Sociedade Farmacêutica Lusitana (*Portuguese Pharmaceutical Soc.*): Rua Sociedade Farmacêutica 18; f. 1835; 2,400 mems.; library of 4,300 vols. on botany, medicine, natural history, etc.; famous collection of Portuguese pharmacopæias; unique MS. *Historia Pharmaceutica das Plantas Exóticas* by Frei João de Jesus Maria, with permit to print from the Holy Office; Pres. Dr. JOSÉ LUIS DE OLIVEIRA PERÚ; publs. *Revista Portuguesa de Farmacia*; affiliated to Fédération Internationale Pharmaceutique; mem. of Associação Portuguesa para o Progresso das Ciências.

Sociedade Geológica de Portugal (*Geological Soc.*): Faculty of Science, Lisbon Univ.; f. 1940; Pres. Prof. JOÃO CARRINGTON DA COSTA; Sec. Prof. CARLOS TEIXEIRA (Faculty of Science, Lisbon); publ. *Boletim*.

Sociedade Nacional de Belas Artes (*Nat. Soc. of Fine Arts*): Palacio das Belas Artes, Rua Barata Salgueiro 36; f. 1901; 500 mems., 400 associates, 100 corresponding; Pres. FRANCISCO CONCEIÇÃO SILVA; Sec. Arq. NUÑO DE SAN-PAYO.

Sociedade Portuguesa de Ciências Naturais (*Portuguese Natural Science Soc.*): Faculdade de Ciências, Rua da Escola Politécnica; f. 1907; 476 mems., 9 hon., 7 corresponding; library; Pres. C. TEIXEIRA; Sec. C. ROMARIZ; publs. *Boletim, Naturalia, Portugalia Acta Biologica*.

Sociedade Portuguesa de Ciências Veterinárias (*Portuguese Society of Veterinary Science*): Rua de D. Dinis 2-A; f. 1902; 724 mems.; library of 2,000 vols. and 23,000 periodicals; Pres. Prof. Dr. JAIME FREITAS DE SOUSA; Gen. Sec. Dr. PAULO MARQUES; publ. *Revista Portuguesa de Ciências Veterinárias* (quarterly).

Affiliated Societies:

Sociedade Portuguesa de Patologia Aviária (*Portuguese Society of Bird Pathology*): Pres. Dr. SÉRGIO PESSOA.

Sociedade Portuguesa de Especialistas de Pequenos Animais (*Portuguese Society of Specialists in Small Animals*): Pres. Prof. Dr. JOAQUIM FIADEIRO.

Sociedade Portuguesa de Parasitologia (*Portuguese Society of Parasitology*): Pres. Prof. Dr. J. L. DA SILVA LEITAO.

Sociedade Portuguesa de Higiene Alimentar (*Portuguese Society of Food Hygiene*): Pres. Dr. INÁCIO DOS SANTOS.

Sociedade Portuguesa Veterinária de Estudos Sociológicos (*Portuguese Society of Sociological Veterinary Studies*): Pres. Dr. EMILIANO DA COSTA.

Sociedade Portuguesa de Nutrição e Alimentação Animal (*Portuguese Society of Animal Nutrition and Foodstuffs*): Pres. Dr. JOAQUIM PORTUGAL.

U.S. Information Center: Avda. Duque de Loule, 39-A.

Aguas de Moura

Instituto de Malariologia (*Malaria Inst.*): f. 1938; library of 1,000 vols.; Dir. F. J. C. CAMBOURNAC.

Coimbra

Goethe Institut: Casa Alema, Rua Alexandre Herculano 21B; f. 1962; Dir. Dr. HELMUT HELLING.

Instituto Botânico "Dr. Julio Henriques" (*Botanical Inst.*): Coimbra Univ.; f. 1772; library of 67,000 vols.; Dir. Prof. ABÍLIO FERNANDES; publs. *Index Seminum, Boletim, Memórias* and *Anuário* of Sociedade Broteriana.

Instituto Britanico: Rua Alexandre Herculano 34; Dir. I. E. JAGO.

Instituto de Antropologia (*Anthropological Inst.*): Bairro Sousa Pinto; f. 1885; library of 13,500 vols.; Dir. Prof. Dr. J. DE BARROS NEVES; publ. *Contribuiçoes para o Estudo da Antropologia Portuguesa, Questões de Método*.

Instituto de Coimbra (*Coimbra Inst.*): Rua da Ilha; f. 1851; 150 mems., 13 hon., 156 correspondents in Portugal, 280 foreign corresponding; library of 20,000 vols.; Pres. Prof. DIOGO PACHECO DE AMORIM; Sec. FRANCISCO TEIXEIRA DE QUEIROZ; publ. *O Instituto* (scientific and literary).

Instituto de Estudos Históricos "Dr. António de Vasconcelos" (*Inst. of Historical Studies*): Coimbra Univ.; publ. *Revista Portuguesa de História*.

Instituto Geofísico da Universidade de Coimbra (*Coimbra Geophysical Inst.*): Coimbra Univ.; f. 1864; library of 16,600 vols.; meteorological, magnetic and seismological observatory; Dir. Prof. F. PINTO COELHO; publs. *Observações Meteorológicas, Magnéticas e Sismológicas* (annually).

Observatório Astronómico da Universidade de Coimbra (*Coimbra Univ. Astronomical Observatory*): Santa Clara; f. 1772; library of 11,000 vols.; Dir. Prof. MANUEL DOS REIS; publs. *Anais do Observatório, Efemérides Astronómicas, Publicações*.

Sociedade Broteriana (*Botanical Soc.*): Instituto Botânico; Coimbra Univ.; f. 1880; 264 mems.; Chair. Prof. ABÍLIO FERNANDES; publs. *Anuário, Boletim, Memórias*.

Guimarães

Sociedade de Martins Sarmento (*Martins Sarmento Soc.*): Rua de Paio Galvão; f. 1882; library of 40,000 vols.; first edition (1572) *Os Lusiadas* by Camões; has absorbed the Municipal Library; 425 mems.; Dir. MARIO CARDOZO; Librarian Dr. AUGUSTO CUNHA; publ. *Revista de Guimarães*.

Guia-Cascais

Laboratorio Maritimo da Guia-Cascais (*Marine Laboratory of Guia-Cascais*); attached to the Faculty of Science, Lisbon University; Dir. Prof. J. A. SERRA.

Oporto

Instituto de Antropologia "Dr. Mendes Corrêa" (*Anthropological Institute*): Oporto Univ.; f. 1923; Dir. Prof. Dr. JOAQUIM RODRIGUES DOS SANTOS-JÚNIOR; library of 5,276 vols.

Instituto de Botânica "Dr. Gonçalo Sampaio" (*Botanical Institute "Dr. Gonçalo Sampaio"*): Oporto Univ., Rua do Campo Alegre, No. 1191; f. 1920; library of 6,000 vols.; Dir. Prof. AMÍLCAR DE MAGALHÃES MATEUS.

Instituto de Climatologia e Hidrologia da Universidade do Pôrto (*Climatological and Hydrological Inst.*): Oporto Univ.; f. 1930; Pres. Dr. AMÂNDIO JOAQUIM TAVARES; Sec. Dr. ANTÓNIO MENDONÇA MONTEIRO; publ. *Boletim*.

Instituto de Cultura Alema: Rua dos Bragas; f. 1962; Dir. H. BANSE.

Instituto de Zoologia e Estação de Zoologia Marítima "Dr. Augusto Nobre" (*Zoological Inst. and Maritime Zoology*): Campo dos Mártires da Pátria; f. 1921; library of 11,246 vols.; Dir. Prof. Dr. Amílcar Mateus; publs. numerous scientific works, *Publicações do Instituto de Zoologia, "Dr. Augusto Nobre"*. (*See also* Museu de Historia Natural, Oporto.)

Instituto Geofisico da Universidade do Porto (Observatório da Serra do Pilar) (*Geophysical Inst. and Meteorological Observatory*): V. N. de Gaia; Faculty of Science, Oporto University; f. 1885; Dir. Prof. Carlos de Azevedo Coutinho Braga; publs. *Boletims Mensais, Resumo Anual, Observaçoes do Campo Eléctrico da Atmosfera, Anais Actinométricos, Observações Fenológicas na Serra do Pilar, Boletim Sismico.*

Serviço de Fomento Mineiro: Rua da Ameira, S. Mamede de Infesta; f. 1939; Dir. Eng. Norberto Afonso Múrias de Queirós; publs. *Bibliografia Mineira de Portugal, Estudos, Notas e Trabalhos, Relatórios.*

Sociedade Anatómica Luso-Hispano-Americana (*Portuguese-Spanish-Latin American Anatomical Society*): Instituto de Anatómia, Faculdade de Medicina de Lisboa; f. 1935; Pres. (Vacant); publ. *Arquivo de Anatómia e Antropologia.*

Sociedade Portuguesa de Antropologia e Etnologia (*Portuguese Anthropological and Ethnological Soc.*): Faculty of Science, The University of Oporto; f. 1918; Pres. Prof. Joaquim Rodrigues dos Santos-Júnior; Sec. Dr. Agostinho Isidoro; publ. *Trabalhos* (19 vols.).

Sociedade Portuguesa de Química e Física (*Portuguese Chemical and Physical Society*): Laboratório "Ferreira da Silva", Faculdade de Ciências, Universidade do Porto; publ. *Revista de Química Pura e Aplicada.*

Viana do Castelo

Instituto Histórico do Minho (*Minho Historical Inst.*): Rua da Bandeira 110; f. 1916; Dir. Júlio de Lemos.

Vila do Conde

Estação Aqüicola (*Water Research Station*): f. 1886; Dir. Joaquim Antonio Soares Soeiro.

The Azores: Angra do Heroismo—Terceira

Instituto Açoriano de Cultura (*Azorean Institute of Culture*): Seminario Episcopal; f. 1955; Pres. Mons. J. Machado Lourenço; Sec. Rev. Dr. José Enes; publ. *Atlantida* (bi-monthly).

Instituto Histórico da Ilha Terceira (*Terceira Historical Inst.*): f. 1942; 20 mems.; Pres. Col. J. Agostinho, O.B.E.; Sec. Dr. Baptista de Lima; publ. *Boletim do Instituto Historico* (yearly).

Sociedade de Estudos Açoreanos "Afonso Chaves" (*Soc. for Research on the Azores*): Angra do Heroismo; f. 1932; 20 Fellows, 100 mems.; main interests of the Society are ethnography, natural history and geology; Pres. Col. J. Agostinho, O.B.E.; Sec. Dr. A. Cortes-Rodrigues; publ. *Açoreana* (annually).

LIBRARIES AND ARCHIVES

Lisbon

Arquivo Nacional da Torre do Tombo (*National Archives of Torre do Tombo*): Largo de S. Bento; f. 1352-1388; collection dates from ninth century; Dir. (Vacant); publs. *Inventários das Portarias do Reino e das Moradias da Casa Real.*

Arquivo Histórico Militar (*Military Historical Archives*): Largo dos Caminhos de Ferro f. 1921; Dir. Coronel C. E. M. João Carlos de Sá Nogueira; publ. *Boletim*; associated with:

Comissão de Historia Militar (*Military History Comm.*): Largo dos Caminhos de Ferro; f. 1923; 12 mems.. Pres. Gen. Henrique Pereira do Valle; publs. biographical and historical works.

Arquivo Histórico Ultramarino (*Historical Archives of the Portuguese Overseas Provinces*): Palacio da Ega, Calçada da Boa-Hora 30 (a Junqueira); f. 1931; 15,000 vols. and pamphlets; *Biblical Concordance* printed by Christopher Plantini, Antwerp, 1585; Dir. Joaquim Alberto Iria Junior.

Arquivo Histórico do Ministério das Finanças (*Historical Archives of Min. of Finance*): Rua de Santa Marta 61.

Arquivo do Ministério dos Negócios Estrangeiros (*Archives of Ministry of Foreign Affairs*): Palácio das Necessidades; f. 1736; 22,000 vols.; Dir. Alvaro Ferrand de Almeida Fernandes.

Biblioteca Central de Marinha (*Navy Library*): Rua do Arsenal, porta H.; f. 1835; numbers of valuable editions; 30,000 vols.; Dir. Comodoro Alfredo Motta.

Biblioteca Nacional (*National Library*): f. 1796; 404,473 vols., 15,217 MSS.; Dir. Augusto Botelho da Costa Veiga.

Biblioteca da Academia das Ciencias de Lisboa (*Library of the Academy of Sciences*): f. 1779; 200,000 vols., 3,000 MSS., 63 incunabula; Librarian Sebastião C. Costa-Sacadura.

Biblioteca da Ajuda (*Ajuda Library*): Palacio da Ajuda; f. 1756; 100,000 vols., 30,000 MSS., 5,000 Music MSS., 213 incunabula; Dir. Dr. Mariana Amélia Machado Santos.

Biblioteca do Cartório Ultramarino (*Library of the Colonial Office*).

Biblioteca do Exército (*Army Library*): formerly Library of the Army General Staff; Rua do Museu de Artilharia, Calçada do Combro; f. 1837; Dir. Col. Francisco José Henriques Cortes.

Biblioteca e Arquivo da Assembleia Nacional (*Library of the National Assembly*): f. 1836; 37,000 vols.; Dir. Costa Brochada; publs. *Diário das Sessões, Anais da Assembléa Nacional, Sinopse da Assembléa Nacional.*

Biblioteca e Arquivo Histórico do Ministerio das Obras Publicas (*Library and Historical Archives of the Ministry of Public Works*): f. 1852; 7,000 vols., documents dating from the 16th century; 200,000 textual documents on industry, agriculture, forestry, trade, public works, etc.; Dir. Dr. Mario Alberto Nunes Costa.

Biblioteca Municipal Central (*Central Town Library*): Palácio Galveias, Largo do Campo Pequeno; f. 1931; 128,110 vols.; Dir. Jaime Lopes Dias.

Biblioteca, Museu e Arquivo dos Hospitais Civis de Lisboa (*Library, Museum and Archives of Lisbon Civic Hospitals*): Rua José António Serrano; f. 1937; 11,000 vols.; 373 periodicals; Dir. Dr. José Teófilo Farto Leone, publ. *Boletim Clinico dos Hospitais Civis de Lisboa.*

Biblioteca Popular de Lisboa: Rua Ivens 35, and Rua de Academia das Ciências 19; f. 1918; 97,774 vols., 835 periodicals; Librarian Durval Pires de Lima; Principal Officers Carlos Alberto de Mesquita, Maria Teresa Pires de Lima, José Paulo Ribeiro.

Braga

Biblioteca Pública e Arquivo Distrital de Braga (*Public Library and District Archives*): f. 1841; 210,000 vols.; 1,120 MSS.; Dir. ANTONIO GOMES DA ROCHA MADAHIL.

Bragança

Arquivo Distrital, Biblioteca e Museu Regional Abade de Baçal (*District Archives, Library and Museum of Baçal Abbey*).

Coimbra

Arquivo e Museu de Arte da Universidade de Coimbra (*Archives and Art Museum of Coimbra Univ.*): The University; f. Archives 1290, Museum 1911; religious paintings; Dir. Dr. MÁRIO BRANDÃO.

Biblioteca Municipal (*Municipal Library*): f. 1922; 84,101 vols.; Dir. PINTO LOUREIRO; Librarian J. BRANQUINHO DE CARVALHO; publ. *Arquivo Coimbrão*.

Évora

Biblioteca Pública e Arquivo Distrital de Évora (*Public Library and District Archives*): f. 1811; 570,684 vols.; Dir. ARMANDO NOBRE DE GUSMÃO.

Guimarães

Biblioteca da Sociedade Martins Sarmento (*see* Sociedade Martins Sarmento).

Leiria

Biblioteca Erudita e Arquivo Distrital (*Public Library and District Archives*): Largo da Caixa Geral de Depósitos; f. 1916; library 35,000 vols.; archives approx. 15,000; Dir. AGOSTINHO TINOCO.

Madeira

Arquivo Distrital do Funchal (*Funchal District Archives*): Palácio de São Pedro, Rua da Mouraria; f. 1931; 300,000 MSS.; specialised history library of 7,000 vols.; Dir. Dr. JOSÉ PEREIRA DA COSTA; publ. *Arquivo Histórico da Madeira*.

Biblioteca Municipal do Funchal (*Municipal Library*): Palácio de São Pedro, Rua da Mouraria; f. 1838; 33,893 vols.; Librarian RUI DE ORNELAS GONÇALVES.

Mafra

Biblioteca do Palácio Nacional de Mafra (*Mafra Nat. Palace Library*): Terreiro de D. João V.; f. 18th century; 36,000 vols.; notable collection of rare books; Dir. GUILHERME JOSÉ FERREIRA DE ASSUNÇÃO.

Oporto

Arquivo Distrital do Porto (*District Archives*): Praça da República 38; f. 1931; 90,000 vols.; Dir. ARTUR DE MAGALHÃES BASTO.

Biblioteca Pública Municipal do Porto (*Municipal Library*). f. 1833; 716,344 vols.. 2,037 MSS., 270 incunabula; Dir. Dr. ANTÓNIO CRUZ; Librarian Dr. ANTONIO MAGALHÃES; publ. *Biblioteca Portucalensis*.

Santarem

Biblioteca Municipal Camões (*Camões Municipal Library*): f. 1880; 34,586 vols., 5,500 pamphlets; Librarian MARIA ALZIRA PROENÇA SIMÃES.

Vila Real

Biblioteca Pública (*Public Library*): f. 1834; 11,000 vols. Dir. AGOSTINHO CELESTINO DA SILVA.

Vizeu

Arquivo Distrital (*District Archives*): Adro da Sé; f. 1955; 136,519 documents; Dir. Dr. ALBERTO ALVES DOS SANTOS PACHECO.

The Azores

Biblioteca Municipal da Horta (*Town Library*): Rua D. Pedro IV 26; f. 1886; 10,000 vols.; Librarian JOSÉ R. MORAIS GUERRA.

Biblioteca Pública de Ponta Delgada (*Public Library*): f. 1845; 125,000 vols.; Dir. JOÃO DE SUÑAS.

Biblioteca Pública e Arquivo Distrital de Angra do Heroismo (*Public Library and District Archives*): Palácio Bettencourt, Rua Conselheiro Jacinto Cândido; f. 1948; 60,000 vols.; 1,000,000 MSS.; Dir. Dr. MANUEL C. BAPTISTA DE LIMA; publ. ***Boletim da Biblioteca Pública e Arquivo Distrital de Angra do Heroismo***.

MUSEUMS

Lisbon

Museu Etnográfico do Ultramar (*Overseas Ethnographical Museum*): Rua das Portas de Santo Antão; f. 1875; native arts, arms, clothing, musical instruments, agricultural products, fauna, statutes of navigators and historians, relics of voyages of discovery, scientific instruments; Dir. Prof. ANTÓNIO DE ALMEIDA.

Museu Nacional de Arte Antiga (*Nat. Museum of Ancient Art*): Rua das Janelas Verdes; f. 1883; library of 10,000 vols.; Dr. JOÃO COUTO; Curator ABEL DE MOURA; Sec. Dr. ANTÓNIO MANUEL GONÇALVES; publs. *Boletim dos Museus Nacionais de Arte Antiga*, *Boletim do Museu Nacional de Arte Antiga*.

Museu Nacional de Arte Contemporânea (*Nat. Museum of Contemporary Art*): Rua Serpa Pinto; f. 1911; contemporary painting and sculpture; Dir. EDUARDO MALTA.

Museu Nacional de Historia Natural (*Nat. Museum of Natural History*): Lisbon University; Dirs. Prof. C. TORRE D'ASSUNÇÃO (Mineralogy and Geology), Prof. F. RESENDE (Botany), Prof. G. F. SACARRÃO (Zoology and Anthropology).

Museu Arqueológico (*Archæological Museum*): Largo do Carmo; f. 1866; directed by Associação dos Arqueólogos Portugueses; prehistoric and Stone Age collections from tumuli; Hispano-Arabic, Portuguese and Dutch tiles; Curators ANTÓNIO MACHADO DE FARIA, Lieut.-Col. MANUEL AFONSO DO PAÇO.

Museu de Arte Sacra de S. Roque (*Museum of Sacred Arts*): The Misericordia Hospital, Largo Trindada Coelho; f. 1905; rich and varied collections of religious paintings, Church vessels in precious metals, embroidered vestments, etc., by Italian artists of the 18th century; overflow from the opulent works destined for the famous Chapel of St. John the Baptist in the adjacent Church of St. Roque; Dir. Dr. JOSÉ GUILHERME DE MELLO E CASTRO; Provedor da Santa Casa da Misericordia de Lisboa.

Museu da Cidade (*City Museum*): Palacio da Mitra, Rua do Açúcar; f. 1942; history of development of Lisbon shown by archæological and ethnological documents and by views.

Museu-Escola de Artes Decorativas (*Museum School of Decorative Arts*): Largo das Portas do Sol 2; f. 1953; furniture, goldsmith's work, pottery, paintings and engravings; School of Decorative Arts; Dir. GUILHERME POSSOLO.

Museu Instrumental (*Instruments Museum*): Rua dos Caetanos 29; f. 1941; European string, wind, key and percussion instruments of the 16th to 19th centuries,

also instruments from Portugal and a collection of instruments from the Portuguese Overseas provinces; Dir. IVO CRUZ.

Museu Militar (*Military Museum*): Largo do Museu de Artilharia; f. 1842; exhibits of Portuguese military history, including muskets, arms, armour, uniforms, flags, etc., also important paintings from the 18th to 20th centuries; Dir. Coronel JULIO MARTINS MOURAO.

Museu Numismático Português (*Portuguese Numismatic Museum*): Av. Dr. A. J. de Almeida; f. 1934; important collections of Portuguese and Colonial, Iberian, Roman and Visigothic coins; Dir. Dr. DAMIÃO PERES; Curator Dr. ANTÓNIO DE A. REBELO.

Museu Rafael Bordalo Pinheiro: Campo Grande 382; f. 1916; originals and reproductions of famous caricatures, ceramics, satirical documents; Dir. D. JULIETA FERRÃO.

Alemquer

Museu "Hipolito Cabaço" (*Municipal Museum*): Câmara Municipal; f. 1945; archæological, historical, ethnographical; 17,000 exhibits, some unique; Dir. HIPÓLITO DA COSTA CABAÇO.

Aveiro

Museu de Aveiro (*Regional Museum*): f. 1911; religious art; Dir. Dr. ANTÓNIO MANUEL GONÇALVES.

Belém, Lisbon

Museu Agricola do Ultramar: *see* Jardim e Museu Agrícola do Ultramar, page 891.

Museu Nacional dos Côches (*National Coach Museum*): Praça de Afonso Albuquerque; f. 1905 by Queen Amélia in the Riding School of the Royal Palace at Belém; National Museum 1911, enlarged 1944; gala and other coaches and carriages of the ex-Royal House of Portugal and Brazil, the Patriarchs of Lisbon; best and most complete collection in the world, the earliest said to have belonged to Philip III of Spain when travelling in Portugal in 1619, the greater number over 200 years old by famous European makers and artists; sedan chairs, harness and equipment, Royal liveries, etc., portraits, paintings, engravings, iconographic section, silver trumpets, costumes; Dir. Dra. MARIA JOSÉ DE MENDONÇA; publs. catalogues.

Museu Etnológico "Dr. Leite de Vasconcelos" (*Ethnological Museum*): f. 1893; Dir. Prof. Dr. MANUEL HELENO; Curator Dr. JOÃS SAAVEDIA MACHADO; publs. *O Archeólogo Português, Boletim de Etnografia.*

Museu de Arte Popular (*Museum of Popular Art*): Dir. D. MANUEL DE MELLO CORRÊA; Curator MARIA MADALENA DE CAGIGAL E SILVA.

Bragança

Museu Regional Abade de Baçal (*Baçal Abbey Museum*): Dir. Dr. MARIA DE LOURDES BARTHOLO.

Cascais

Museu-Biblioteca "Conde de Castro Guimarães" (*Museum and Library*): f. 1930; 20,635 vols.; *Cronica* about Afonso Henriques, 16th-century illuminated *Codex* on parchment, 17th-century Indo-Portuguese counting frames, prehistoric ceramics; furniture, pictures, silverware; Curator MARIA ALICE BEAUMONT; publ. *Boletim.*

Castelo Branco

Museu Regional "Francisco Tavares Proença Júnior" (*Regional Museum*): f. 1910; archæological, ethnographical, numismatics, art gallery, tapestries; important collections of objects found in tombs at Beira Baixa; Bronze-Age weapons and ornaments from a complete workshop found at Castelo Novo; 1,500 coins; four aquatints by Turner; four tapestries from Brussels dating from late 16th century; Dir. Coronel A. ELIAS GARCIA.

Coimbra

Museu de Historia Natural (*Natural History Museum*): Coimbra University; f. 1772; Dept. of Mineralogy and Geology: Dir. Dr. JOÃO M. COTELO NEIVA; Dept. of Botany: Dir. Dr. ABILIO FERNANDES; Dept. of Zoology: Dir. Dr. ALBERTO DA CUNHA MARQUES (acting).

Museu e Laboratorio Zoológico de Coimbra (*Zoological Museum and Laboratory*): Coimbra Univ., Largo do Marquês de Pombal; f. 1772; valuable collections of Portuguese and Colonial fauna; Dir. Prof. Dr. A. XAVIER DA CUNHA; publs. *Memórias e Estudos.*

Museu "Machado de Castro" (*Machado de Castro Museum*): f. 1911; established in the old Bishop's Palace built on Roman galleries, renewed in the 16th century and recently adapted; antiquities, sculpture, paintings, silver-work, priests' vestments, tapestries, ceramics, glass, furniture; Dir. Prof. LUIS REIS-SANTOS.

Évora

Museu Regional de Évora (*Regional Museum*): Largo do Conde de Vila Flor; f. 1915; paintings, one of the best collections of Flemish works in Portugal; sculpture, furniture; Dir. Prof. MÁRIO TAVERES CHICO.

Faro

Museu Arqueológico Infante D. Henrique (*Infante D. Henrique Archaeological Museum*): Câmara Municipal; f. 1894; historical, archæological, ethnographical; Dir. Dr. MARIO LYSTER FRANCO.

Museu Maritimo "Almirante Ramalho Ortigão" (*Maritime Museum*): Capitania do Porto de Faro; f. 1931; formerly Museu Industrial Marítimo; f. 1889; regional methods of fishing, instruments, models of ships and equipment, paintings of marine fauna, sailors' handicrafts; Curator Com. CARLOS PACHECO PINTO.

Museu S. Antonio (*Museum of St. Anthony*): Ermida de Santo António do Alto; f. 1933; collections relating to the cult of St. Anthony of Lisbon; Founder and Dir. Dr. MARIO LYSTER FRANCO.

Figueira da Foz

Museu Municipal "Dr. Santos Rocha" (*Municipal Museum*): Rua Fernandes Tomás; f. 1894, reopened 1945; general, archaeology, ethnology and anthropology; Dir. ANTÓNIO VÍTOR GUERRA.

Guimarães

Museu de Martins Sarmento (*Martins Sarmento Museum*): Rua de Paio Galvão; f. 1885; archæological; numerous exhibits relating to Portuguese Celtic, Roman and Visigothic periods; Dir. MARIO CARDOZO.

Museu Regional de Alberto Sampaio (*Regional Museum*): Largo da Oliveira; f. 1928; architecture, paintings, sculpture (examples in painted wood), ceramics, enamels, antiques (examples of early Christian art dating from the 8th century), embroidery; Dir. Dr. MARIA E. AMARAL TEIXEIRA.

Lamegó

Museu Regional de Arte e Arqueologia (*Regional Museum of Art and Archæology*): f. 1917; tapestries, oil paintings, sculpture, religious ornaments; Dir. Dr. ABEL MONTENEGRO FLÓRIDO.

Madeira

Museu de Arte Sacra (*Museum of Sacred Art*): Rua do Bispo 21; diocesan museum.

Museu César Gomes (*César Gomes Museum*): decorative arts; under the direction of the General District Commission.

Museu Municipal do Funchal (*Funchal Municipal Museum*): Funchal, Madeira; f. 1929; Natural History Museum and Marine Aquarium; large collection of marine animals, especially deep-sea fish and crustaceans; library on marine biology; Curator G. E. MAUL; publs. *Boletim do Museu Municipal do Funchal, Bocagiana.*

Oporto

Museu Nacional de Soares dos Reis (*Nat. Museum*): Palacio dos Carrancas, Rua D. Manuel II; f. 1833; paintings, sculpture, jewellery, numismatics, antiques, pottery glass; Dir. Dr. MANUEL DE FIGUEIREDO.

Museu de Historia Natural (*Natural History Museum*): Oporto University; comprises the following: Museu do Instituto de Zoologia "Dr. Augusto Nobre", Museu do Instituto de Antropologia "Dr. Mendes Corrêa", Museu do Instituto de Botânica "Dr. Gonçalo Sampaio", and Museu Mineralógico e Geológico.

Museu de Etnografia e Historia da Junta Distrital do Porto: Largo de S. João Novo, 11; Dir. Dr. FERNANDO DE CASTRO PIRES DE LIMA; publ. *Revista de Etnografia.*

Tôrres Novas

Museu e Biblioteca de Tôrres Novas (*Museum and Library*): f. 1937; archaeological, historical, fine arts, ethnographical, religious art, numismatics; 23,000 vols.; Dir. Padre ADELINO JOSÉ NARCISO GOMES.

Vila Viçosa

Museu-Biblioteca da Casa de Bragança (*Museum and Library of House of Braganza*).

Viseu

Museu Regional "Grão Vasco" (*Regional Museum*): Paco dos Tres Escalões; furniture, tapestry, plate, ceramics and glassware, Flemish and Portuguese paintings; Dir. Dr. F. RUSSELL CORTEZ.

The Azores

Museu Regional de Angra do Heroismo (*Regional Museum*): Palácio Bettencourt; f. 1949; paintings, silverwork, furniture, sculpture, ethnography, arms, guns, carriages, etc.; Dir. Dr. BAPTISTA DE LIMA.

UNIVERSITIES

UNIVERSIDADE DE COIMBRA

COIMBRA

Telephone: 22034.

Telegraphic Address: Universidade Coimbra.

Founded 1290 (in Lisbon).

Rector: Dr. ANTÓNIO JORGE ANDRADE DE GOUVEIA.

Vice-Rector: Dr. ARNALDO MIRANDA CASIMIRO BARBOSA.

Secretary: Lic. ANTÓNIO LUIS GONÇALVES.

Librarian: Dr. MANUEL LOPES DE ALMEIDA.

Library: f. 1716; 1,000,000 vols.

Number of teachers: 259, including 76 professors.

Number of students: 6,500.

Publications: *Revista de Universidade, Anuário da Universidade, Biblos, Revista Portuguesa da História, Brasilia, Revista do Laboratório de Fonética, Humanitas, Revista Portuguesa de Filologia.*

Faculty Libraries:

Faculty of Letters: f. 1911; 100,000 vols.; Librarian Dr. MARIA HELENA MONTEIRO DA ROCHA MONTEIRO.

Faculty of Medicine: f. 1853; 20,000 vols.; Librarian Dr. ARMANDO TAVARES DE SOUSA.

Faculty of Law: f. 1911; 150,000 vols.; Librarian Dr. ANTÓNIO DE ARRUDA FERRER CORREIA.

Faculty of Science: f. 1911; 157,000 vols.; Librarian Dr. MANUEL DOS REIS.

School of Pharmacy: f. 1904; 6,000 vols.; Librarian Dr. ALOISIO JOSÉ DE CARVALHO FERNANDES COSTA.

DEANS:

Faculty of Letters: Dr. ALVARO JÚLIO DA COSTA PIMPÃO.

Faculty of Law: (Vacant).

Faculty of Medicine: Dr. AUGUSTO PAIS DA SILVA VAZ SERRA.

Faculty of Science: Dr. JOÃO MANUEL COTELO NEIVA.

Faculty of Pharmacy: Dr. JOSÉ RAMOS BANDEIRA.

PROFESSORS:

Faculty of Letters:

ALMEIDA, MANUEL LOPES DE, History
BARBOSA, ARNALDO MIRANDO CASIMIRO, Philosophy
BOLÉO, MANUEL DE PAIVA, Portuguese Philology
BRANDÃO, MÁRIO MENDES DOS REMÉDIOS DE SOUSA, History
HERCULANO DÉ CARVALHO, JOSÉ GONÇALO CHORÃO, Romance Linguistics
MONTEIRO, MARIA HELENA MONTEIRO DA ROCHA
PIMPÃO, ALVARO JÚLIO DA COSTA, Portuguese Literature
RAMALHO, AMERICO DA COSTA, Latin
SOARES, Dr. TORQUATO BROCHADO DE SOUSA, Medical History

Faculty of Law:

BRAGA DA CRUZ, GUILHERME, History of Portuguese Law
CORREIA, EDUARDO HENRIQUES DA SILVA, Criminal Law
COSTA, Dr. MÁRIO JÚLIO BRITO DE ALMEIDA, History of Roman Law
FÉRRER CORREIA, ANTÓNIO DE ARRUDA, Commercial Law, Private International Law
MOREIRA, JOSÉ CARLOS MARTINS, Constitutional Law
PIRES DE LIMA, FERNANDO ANDRADE, Introductory Law
QUEIRÓ, AFONSO RODRIQUES, Administrative Law
RIBEIRO, JOSÉ JOAQUIM TEIXEIRA, Economy and Finance
VARELA, JOÃO DE MATOS

Faculty of Medicine:

ALMEIDA, LÚCIO DE, Pædiatrics
AZEVEDO, Dr. JOAQUIM DE, Medical Therapeutics
BRUNO DA COSTA, MANUEL, Medical Propædeutics and Semeiology
CORREIA DE OLIVEIRA, JOSÉ AUGUSTO, Neurology, Psychiatry
DA COSTA BARROS, ALBERTINO, Clinical Obstetrics
DUARTE SANTOS, LUÍS AUGUSTO, Legal, Forensic Medicine
ESPIRITO SANTO, Dr. JOSÉ MONTEIRO LOPES DO, Infectious Diseases
GUIMARÃES, JOÃO JOSÉ LOBATO, Pharmacology
INÁCIO, H. CARDOSO, Descriptive Anatomy
MELICO SILVESTRE, ANTONIO, Hygiene
MONTEIRO, Dr. JOSÉ DE GOUVEIA, Pneumonology
NOGUEIRA, FRANCISCO SANTOS DE IBÉRICO, Gynæcology
OLIVEIRA, Dr. FERNANDO ALBERTO SERRA DE, Surgical Pathology
OLIVEIRA, HENRIQUE DE, Bacteriology and Parasitology
OLIVEIRA E SILVA, JOÃO DE, Physiology, Physiological Chemistry
PEREIRA, BARTO DO VALE, Surgical Clinic
TAVARES DE SOUSA, ARMANDO, Histology, Embryology
TRINCÃO, RENATO DE AZEVEDO CORREIA Pathological Anatomy
TRINCÃO, MARIO SIMÕES, Medical Pathology
VAZ SERRA, AUGUSTO PAIS DA SILVA, Medical Pathology
ZAMITH, LUIS DE AUGUSTO MORAIS, Ileology

Faculty of Science:

ALMEIDA SANTOS, JOÃO RODRIGUES DE, Physics
AMORIM, Dr. JOSÉ B. P. DE, Higher Algebra
COTELO NEIVA, JOÃO MANUEL, Geology
CUNHA MARQUES, ALBERTO XAVIER DA, Zoology, Anthropology
DE BARROS-NEVES, JOSÉ, General Botany
FERNANDES, ABÍLIO, Botany

Gouveia, António Jorge Andrade de, Organic Chemistry
Murta, Manuel Neto, Calculus of Probabilities
Neto, Luís Beda de Sousa Tavares, Geometry
Pinto Coelho, Fernando, Physio-Chemistry
Reis, Manuel dos, Astronomy
Sampaio, Luis Paulo Jaz de, Optics

School of Pharmacy:
Bandeira, José Ramos, Cryptogamy and Fermentation
Fernandes Costa, Aloísio José de Carvalho, Pharmacognosy
Neves, André da Silva Campfos, Pharmaceutical Organic Chemistry
Vale, Dr. José B. C. do, Pharmaceutics

UNIVERSIDADE DE LISBOA

CIDADE UNIVERSITÁRIA, LISBON (4)

Telephone: 767624.

Founded 1290, restored 1911.

Rector: José Vicente Gonçalves.
Vice-Rector: (Vacant).
Secretary: Lic. Nuno Maria Sampaio de Lemos.
Librarian: (Vacant).

Number of teachers: 316, including 63 professors.
Number of students: 8,997.

Libraries:

Science Faculty: f. 1837; 58,641 vols.; Librarian Dr. Kurt Jacobhson.

Law Faculty: f. 1914; 62,041 vols.; Librarian Dr. Adelino Hermiterio da Galma Carlos; publ. *Revista.*

Faculty of Letters: f. 1911; 68,660 vols.; Librarian Dr. Luis Filipe Lindey Cintra; publ. *Revista da Faculdade de Letras.*

Medical Faculty: f. 1911; 52,657 vols.; Librarian Dr. Armando José Ducla de Sousa Soares.

School of Pharmacy: f. 1920; 3,434 vols.; Librarian Dr. Manuel Pinheiro Nunes.

Directors:

Faculty of Letters: Dr. Virginia Robertis Rau.
Faculty of Law: Dr. Raul Jorge Rogrigues Ventura.
Faculty of Medicine: Dr. José Toscano de Vasconcelos Rico.
Faculty of Science: Germano da Fonseca Sacarrão.
School of Pharmacy: Dr. Joaquim Mendes Ribeiro.

Professors:

Faculty of Letters:
Coelho, Jacinto Almeida do Prado, Literature
Goncalves, Francisco da luz Rebelo, Classical Philology
Heleno, Jr., Manuel Domingues, Archæology
Nemesio, Vitorino, Literature
Rau, Virginia Robertes, History
Ribeiro, Orlando da Cunha, Geography
Rodrigues, Antonio Augusto Gonçalves, German Philology
Sa, Artur Beleza Moreira de, Philosophy
Santos, Delfim Pinto dos, Pedagogy
Santos, Delio Nobre, Philosophy
Sintra, Luis Filipe Lindley, Philology

Faculty of Law:
Azevedo, Fernando Olavo Correia de, Commerical Law
Caetano, Marcelo José das Neves Alves, Administrative Law
Carlos, Adelino Hermiterio da Palma, Civil Law
Coelho, Luis da Camara Pinto, Roman Law
Ferreira, Manuel Gonçalves Cavaleiro de, Criminal Law
Leite, João Pinto da Costa, Economics
Martinez, Pedro Mario Soares, Economics
Silva, Manuel Duarte Gomes da, Civil Law
Teles, Inocencio Galvao, Civil Law
Truyol e Serra, Antonio, Civil Law
Ventura, Raul Jorge Rodrigues Roman Law

Faculty of Medicine:
Andrade, Augusto Lopes de, Ophthalmology
Bettencourt, Jacinto Moniz de, Physiology
Coelho, Eduardo Carneiro de Araujo Medical Therapeutics
Cordeiro, Arsenio Luis Rebelo Alves, Medical Pathology
Costa, Jaime Celestino, Surgical Propædiatics
Costa, Silvério Ferreira da, Physiological Chemistry
Cruz, Aleu de Almada Saldanha Quardos, Radiology
Cunha, Pedro da, Obstetrics and Gynæcology
Fernandez, Henrique João de Baraona, Psychiatry
Horta, Jorge Augusto da Silva, Anatomy
Lima, Pedro Mandel de Almeida, Neurology
Madiera, Frederico Julio Correia, Therapeutics
Morato, Manuel João Zavier, Histology and Embryology
Morais, J. R. B. de, Surgical Medicine
Morais, Virgilio Custodio de, Surgical Medicine
Moreira, Mario da Silva, Internal Medicine
Nunes, Mario Mourabras Arsenio, Legal Medicine
Oliveira, João Candido da Silva, Bacteriology
Rico, José Toscano de Vasconcelos, Pharmacology
Santos, João Afonso Cid dos, Surgical Pathology
Soares, Armando José Ducla de Sousa, Pulmonary Treatment
Sousa, Carlos Queiros Salazar de, Pediatrics
Sueiro, Manuel Bernardo Barbosa, Anatomy

Faculty of Science:
Amaro, Joaquim Monteiro, Physics
Assunção, Carlos Fernando Torre de, Mineralogy and Geology
Castro, José Sarmento de Vasconcelos a., Physics
Costa, Antonio Almeida, Geometry
Ferreira, Herculano Amorim, Physics
Gião, Antonio, Astronomy
Gonçalves, José Vicente Martins, Mathematics
Jacobsohn, Kurt Paul, Chemistry
Monteiro, Amaro Joaquim, Physics
Oliveira, Fernando Vasco Alves da Veiga de, Rational Mechanics
Resende, Flavio Ferreira Pinto, Botany
Sacarrao, Germano da Fonseca, Anthropology
Serra, Joss Antunes, Zoology
Silva, José Sebastiao e., Mathematics
Tavares, Carlos das Neves, Botany
Teixeira, Carlos, Mineralogy and Geology

School of Pharmacy:
Nunes, Manuel Pinheiro, Galenic Pharmacy
Pereira Jr., Albano, Cryptogamy
Ribeiro, Joaquim Mendes, Pharmacology
Ribeiro, José Avelar de Almeida, Pharmaceutical Chemistry

UNIVERSIDADE DO PORTO

OPORTO

Telephone: 23648.

Founded 1911.

Rector: Dr. Manuel Correa de Barros.
Vice-Rector: Dr. Rodrigo Sarmento de Beires.
Secretary: Lic. Antonio José Alves de Brito.

Number of teachers: 220, including 77 professors.
Number of students: 2,961 men, 1,398 women, total 4,359.

Libraries:

Faculty of Science: 38,887 vols.; Librarian Dr. José Maria Ribeiro Moreira de Araújo.

Faculty of Medicine: 42,820 vols.; Librarian Dr. José Luís Le Pina Guimarães.

Faculty of Engineering: 11,625 vols.; Librarian Dr. Armando de Araújo Martins Campos e Matos.

Faculty of Pharmacy: 4,527 vols.; Librarian Dr. António Lopes Rodriguez

Faculty of Economics: 10,262 vols.

Publication: *Anuário.*

Directors:

Faculty of Science: Dr. Arnaldo de Jésus de Madureira e Sousa.
Faculty of Medicine: Dr. António Martins Gonçalves de Azevedo.
Faculty of Engineering: Dr. Isidoro A. de la Higuera Farinas de Almeida.
Faculty of Pharmacy: Dr. Armando de Vasconcelos Laroze Rocha.
Faculty of Economics: (Vacant).

Professors (*Catedráticos*):

Faculty of Science:
Almeida, Humberto Augusto de, Chemistry
Azevedo Coutinho Braga, Carlos de, Electricity, Intermediate and Nuclear Physics

BRITO, ALBERTO CARLOS DE, Organic Chemistry
CARRINGTON SIMÕES COSTA, JOÃO, Palæontology, Geology
DEODATO DA FONSECA ROSEIRA, A., Botany
GOMES DE CARVALHO, ANIBAL CIPIÃO, Mathematics, Infinitesimal Calculus and Higher Analysis
JESUS DE MADUREIRA E SOUSA, ARNALDO DE, Mathematics, Higher Algebra
MALGALHÃES MATEUS, A. DE, Anthropology
MENDONÇA MONTEIRO, ANTÓNIO DE, Analytical Chemistry
MONTENEGRO DE ANDRADE, MIGUEL, Mineralogy and Geology
PERIERA DE BARROS, MANUEL G., Mechanics
RIBEIRO MOREIRA DE ARÁUJO, JOSÉ M., Physics
ROBEIRO PEIZOTO DE QUEIRÓS, AUGUSTO H., Descriptive and Higher Geometry
RIOS DE SOUSA, JAIME E., Geometry
RODRIGUES DOS SANTOS, Jr., JOAQUIM, Anthropology
ROSAS DA SILVA, DOMINGO JOSÉ, Mineralogy, Geology, Crystallography and Geomorphology
SARMENTO DE BEIRES, RODRIGO, Mechanics

Faculty of Medicine:
ATAÍDE MALAFAIA BAPTISTA, ALBERTO-DE, Pharmacology
CERQUEIRA GOMES, M., Propædeutics
COSTA PEREIRA VIANA, Dr. F. A. DA, Pathological Medicine
DIAS GUIMARÃES, JOSÉ A., Physiology
ESTEVES PINTO, EDUARDO, Pneumotisiology
FONSECA E CASTRO, F. M. DA, Pediatrics
MAGANO, Jr., FERNANDO D., Surgical Pathology
MARTINS GONÇALVES DE AZEVEDO, ANTONIO, Obstetrics and Gynæcology
MEIO ADRIÃO, MANUEL, Anatomy, Geology
MILHEIRO FERNANDES, ELÍSIO F., Physio-chemistry
MONTEIRO BASTOS, JOAQUIM J., Surgical Propædeutics
OLIVEIRA FERRAZ JÚNIOR, A. J. DE, Clinical Medicine
PINA GUIMARÃES, L. J. DE, History of Medicine
PINHERO RODRIGUES, ALVARO ANTÓNIO, Surgery
RIBEIRO DA SILVA LOPES, CARLOS, Legal Medicine and Forensic Toxicology
SAMPAIO DE COSTA, TAVARES, Descriptive Anatomy
SILVA PINTO, MANUEL DA, Histology and Embryology
SOUSA PEREIRA, ANTONIO DE, Surgery, Radiology
SOUSA VAZ, JÚLIO M. DE, Bacteriology and Parasitology
TAVARES, AMÂNDOI, Pathological Anatomy
TEIZEIRA DE MORAIS, ERNESTO B., General Pathology

Faculty of Engineering:
ALMEIDA GARRETT, ANTAODE, Concrete, Architecture, Urbanisation
ARAÚJO MARTINS CAMPOS E MATOS, A. DE, Civil Engineering
CORREIA DE BARROS, Jr., MANUEL, Theory of Electrotechnics, Telecommunications
HIGUERA F. DE ALMEIDA, ISIDORO AUGUSTO DE LA, Mines
MORAIS CERVEIRA, ALBERTO DE, Metallurgy
PAIVA E PROENÇA LEITE BRANDÃO, DIOGO DE, Electrotechnics
RIBEIRO SARMENTO, JOAQUIM A., Civil Engineering
SARMENTO CORREIA DE ARAÚJO, FRANCISCO JACINTO, Bridges and Special Structures
SERRANO, HENRIQUE JOSÉ, Industry, Technology, Chemistry
VELEZ GRILO, FRANCISCO C., Electrotechnics

Faculty of Pharmacy:
CIORREA DE SILVA, A. C., Pharmacognosy
FERREIRA DO VALE SERRANO, JOSÉ, Chemistry
LAROZE ROCHA, ARMANDO V., Toxicology, Biochemistry
LOPES RODRIGUES, ANTÓNIO, Pharmacognosy, Inorganic Pharmaceutical Chemistry
NOGUEIRA PRISTA, LUÍS V., Natural History
VASCONCELOS LAROZE ROCHA, ARMANDO DE, Chemistry

UNIVERSIDADE TECNICA DE LISBOA

RUA DO QUELHAS 6, LISBON

Rector: Prof. Eng. FRANCISCO DE PAULA LEITE PINTO.
Vice-Rector: Prof. Eng. FERNANDO VASCO COSTA.
Secretary: Dr. EMILIO ACHILES MONTEVERDE.

Number of professors: 96.
Number of students: 2,942.

DIRECTORS:

School of Higher Veterinary Medicine: JOAQUIM BARRADAS DA SILVA FIADEIRO.
Higher Institute of Agronomy: JOÃO DE CARVALHO E VASCONCELOS.
Higher Institute of Economic and Financial Sciences: ANTÓNIO ARMANDO GONÇALVES PEREIRA.
Higher Technical Institute: LUIS AUGUSTO DE ALMEIDA ALVES.
Higher Institute of Social Sciences and Overseas Policy: ADRIANO JOSÉ ALVES MOREIRA.

PROFESSORS:

School of Higher Veterinary Medicine:
BRÁS, MÁRIO BAPTISTA, Pharmacology and Therapeutics
CASTRO, ALFREDO VIDIGAL DAS NEVES E, Surgical Propædeutics
FERREIRA, ANTÓNIO JACINTO, Pathology
FIADERO, JOAQUIM BARRADAS DA SILVA, Clinical Pathology and Medicine
GUERREIRO, RUI TOMÁS DA COSTA, Zootechnics
LEITÃO, JOSÉ LUIS DA SILVA, Parasitology and Entomology
MADEIRA, ANTÓNIO CORREIA, Histology, Embryology
ROSA, FRANCISO MÁRIO DA, Genetics
SOARES, IVO FERREIRA, Anatomy
SOUSA, JAIME FREITAS DE, Medical Physics
TROPA, EUGENIO ANTUNES, Animal Products Technology

Higher Institute of Agronomy:
ALMEDIA, CARLOS REBELO MARQUÉS DE, Viticulture
ALMEIDA, LUÍS ANIBAL VALENTE, Agricultural Chemistry
AZEVEDO, JOAQUIM PAIS DE, General Zootechnics
BARRETO, ANTÓNIO DE MATOS, Topography and Geodesy
BARROS, HENRIQUE TEIXEIRA QUEIROX DE, Rural Economy
CABRAL, RAUL VASCO DE GARCÍA, Plant Pathology
CORREIA, EUGÉNIO MARGARIDO, Oenology
COSTA, JOAQUIM VIEIRA BOTELHO DA, Pedology and Soil Conservation
COSTA, LUÍS CINCINATO CABRAL DA, Agricultural Technology
FRAZÃO, EDUARDO AUGUSTO MENDES, Agricultural Meteorology
GÓIS, LUÍS ANTÓNIO DE ALMEIDA, Agricultural Microbiology
HELBLING, CARLOS ERNESTO, General Agriculture
MENDONÇA, PEDRO DE VARENNES MONTEIRO, Rational Mechanics
NEVES, CARLOS MANUEL LEITÃO BAETA, Agricultural Entomology
RAPOSO, SILV. FERNANDO, Forestry Economy
SILVEIRA, JOSÉ DE SAMPAIO E CASTRO PEREIRA DA CUNHA DA, Sugar Technology
SOUSA, EDUARDO SILVA DA OLIVEIRA E, Rural Construction
VASCONCELOS, JOÃO DE CARVALHO E, Botany

Higher Institute of Economic and Financial Sciences:
BARBOSA, ANTÓNIO MANUEL PINTO
BARRIGA, ANTÓNIO PINTO DE MIRELLES, Constitutional Law
CARDOSA, JOSÉ PIRES
GODINHO, ANTÓNIO MARIA, Economic History
LAPA, JOÃO FARIA
MARTINS, CARLOS MANUEL PINTO ALVES, Finance
MURTEIRA, BENTO JOSÉ FERREIRA, Statistics
NUNES, MANUEL JACINTO, Economy
PEREIRA, ANTÓNIO ARMANDO GONÇALVES, Commercial and Maritime Law
PINTO, LUÍS MARIA TEIXEIRA
SILVA, FERNADNO VIEIRA GONÇALVES DA, Accountancy Theory

Higher Technical Institute:
ALVES, LUÍS AUGUSTO, Infinitesimal Calculus
ANDRE, JORGE DA COSTA, Jr.
BARDOSA, DANIEL MARIA, Economics
CARDOSA, EDGAR ANTÓNIO, Bridges and Special Structures
CARRISSO, ANTÓNIO FRANCO, Electrical Machinery
CARVALHO, ANTÓNIO HERCULANO, Hydraulics
COSTA, FERNANDO VASCO, River and Sea Works
DÍAS, JOSÉ NASCIMENTO FERREIRA
FARIA, LUCIANO LUÍS, Machinery Parts
FARO, MANUEL JOSÉ, Telecommunications
FERNANDES, ANTÓNIO ALVES, Higher Analysis
HEROLD, BERNARDO JEROSCH, Organic Chemistry
ILHARCO, FRANCISCO DE MAGALHÃES, Chemistry
LOBE, MANUEL LEAL DA COSTA
MANZANARES, ALBERTO VICENTE, Hydraulics
MARQUES, HENRIQUES AUGUSTO, Metallurgy and Metallography
MENDES, FERNANDO, Prospecting
MONCADA, CARLOS FERRER
PINTO, JAIME REBELO, Soil Mechanics

PORTELA, ANTÓNIO GOUVEIA, Thermodynamics
SILVEIRA, ANTÓNIO DA, Physics
TADEU, DÉCIO, Geology

Higher Institute of Social Sciences and Overseas Policy:
ALMEIDA, ANTÓNIO DE, Portuguese Overseas Province Ethnography
BELEZA, JOSÉ JULIO BIZARRO
CUNHA, JOQUIM MOREIRA DA SILVA, International Law
DIAS, ANTÓNIO JORGE, Cultural Anthropology
FORTUNA, VASCO NUNES PEREIRA, Finance
MATOS, LUÍS DE, Diplomatic History
MOREIRA, ADRIANO JOSÉ ALVES, History of Political and Social Theory
REGO, ANTÓNIO DA SILVA, History of Overseas Territories
SANTOS, JESUS NUNES DOS, Political Economy
TENREIRO, FRANCISCO JOSÉ DE, Tropical Geopolitics

COLLEGES

Academia Militar (*Military College*): Lisbon; f. 1837; Dir. Com. Gen. HUMBERTO BUCETA MARTINS; teaching staff 52; attached to the Ministry of War.

Escola Naval (*Naval College*): Alfeite; f. 1845; Dir. Commodore ANTÓNIO MORGADO BELO; teaching staff 24; attached to Ministry of the Navy.

Instituto de Medicine Tropical (*Institute of Tropical Medicine*): Rua da Junqueira, Lisbon; f. 1902; attached to the Ministry of the Overseas Territories; library of 15,000 vols.; Librarian M. U. LACERDA; publ. *Anais do Instituto de Medicina Tropical* (quarterly).

Director: Prof. A. SALAZAR LEITE.

Number of teachers: 27, including 7 professors.

Number of students: approx. 120.

PROFESSORS:

AZEVEDO, J. FRAGA DE, Entomology, Helminthology
CAMBOURNAC, F. J. C., Hygiene, Climatology
CRUZ FERREIRA, F. S., Tropical Pathology
JANZ, GUILHERME JORGE, Epidemiology, Biostatistics
PINTO, M. R. DA CUNHA, Bacteriology and Virology
SALAZAR LEITE, AUGUSTO, Dermatology and Mycology
TRINCÃO, CARLOS PINTO, Hæmatology and Protozoology

Instituto Superior de Ciências Sociais e Politica Ultramarina (formerly Escola Colonial, Escola Superior Colonial, Instituto Superior de Estudos Ultramarinos): Rua da Junqueira 86, Lisbon 3; f. 1906; teaching personnel 39, number of students 404; Dir. Dr. ADRIANO JOSÉ ALVES MOREIRA; publs. *Estudos Politicos e Sociais e Anuário Politico de Portugal.*

SCHOOLS OF ART AND MUSIC

Conservatório Nacional (*National Academy of Music*): Rua dos Caetanos 29, Lisbon; f. 1835.

Director: Dr. IVO CRUZ.
Secretary: MANUEL DE ASCENÇÃO ANTUNES.
Sub-Director: JOSÉ MENDES, Jr. (Music Section); (Vacant: Theatrical Section).

Escola Superior de Belas Artes (*School of Fine Arts*): Largo da Biblioteca Publica, Lisbon; f. 1836; Dir. Arq. PAULINO MONTEZ.

Escola Superior de Belas Artes (*Higher School of Fine Arts*): Av. Rodrigues de Freitas, Oporto; f. 1836; Dir. Arch. CARLOS RAMOS.

PORTUGUESE PROVINCES OVERSEAS

ANGOLA

Population 4,832,677

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Centro de Investigação Cientifica Algodeira (*Cotton Scientific Research Centre*): Junta de Exportação do Algodão, Estação Experimental de Onga-Zanga, Catete; fibre technology laboratory, agricultural machinery station, crop irrigation station (Bombagem); library; Dir. Eng. Agr. JOAQUIM RODRIGUES PEREIRA.

Instituto de Angola: Caixa Postal 2767, Luanda; f. 1952; 300 mems.; library of 2,500 vols.; Pres. Dr. WALDEMAR TEIXEIRA; publ. *Boletim do Instituto de Angola* (quarterly), *Boletim Informativo, Boletim Analitico, Boletim Bibliográfico* (monthly).

Instituto de Investigação Agronómica de Angola (*Agricultural Research Institute of Angola*): C.P. 406, Nova Lisboa; research is conducted in soils and chemistry, agronomy and agricultural biology; technical documentation centre; 26 scientific staff.

Instituto de Investigação Cientifica de Angola (*Angola Scientific Research Institute*): Caixa Postal 3244, Luanda; f. 1955; departments of Biology, Geography, Geology, Humanities; library and documentation centre; Dir. Eng. Agr. VIRGILIO CANNAS MARTINS.

Instituto de Investigação Medica de Angola (*Angola Medical Research Institute*): Luanda; f. 1955.

Missão Geográfica de Angola (M.G.A.) (*Angola Geographical Mission*): C.P. 432, Nova Lisboa, Angola; f. 1941; Dir. Eng. Geog. ALBERTO MANUEL HENRIQUES PEREIRA BASTOS.

Observatório Meteorológico e Magnético João Capelo (*João Capelo Meteorological and Magnetic Observatory*): Serviço Meteorológico de Angola, Rua Diego Cão 20, Caixa Postal 1288, Luanda; f. 1879; library of 4,800 vols.; Dir. Eng. SECUNDINO JOSÉ DE ALMEIDA; publs. *Resultados das Observações Meteorológicas, Boletim geomagnético preliminar, Boletim sismológico* (monthly), *Observações Meteorológicas de Superficie em Angola, Observações Meteorológicas de Altitude em Angola, Anuário Meteorológico, Tabelas Diversas* (yearly).

Sociedade Cultural de Angola (*Angola Cultural Society*): Caixa Postal 535, Luanda; Pres. Dr. ANTÓNIO ALEXANDRE CALAZANS DUARTE; Sec. FERNANDO OCTÁVIO PORTUGAL ESTRELA; publ. *Cultura* (monthly).

LIBRARIES

Biblioteca Central de Educação: Caixa Postal 1281, Luanda; 2,100 vols.; also maintains a travelling library.

Biblioteca Municipal: Caixa Postal 1227, Luanda; 14,600 vols.; Librarian ALBERTO SERRA JÚNIOR.

Biblioteca Nazional de Angola; Caixa Postal 1267C, Luanda; 10,000 vols.; Dir. AUGUSTO GUILHERME MESQUITELA LIMA; (annexed to Museu de Angola, *see below*).

MUSEUMS

Museu de Angola: Caixa Postal 1267C, Luanda; f. 1938; National Archives, Art, History, Zoology, Botany, Geology, Economics; Dir. Eng. VIRGILIO CANNAS MARTINS; Curator AUGUSTO GUILHERME MESQUITELA LIMA; publs. *Boletim da Biblioteca, Aquivos de Angola, Boletim Cultural.*

Museu de Arte Indígena de Carmona: Luanda; f. 1965.

Museu do Dundo: Dundo, Luanda; Ethnography, Anthropology, Zoology, Geology, Pre-history and History of Luanda; library of 2,200 vols.; Dir. of Biological Research Dr. A. DE BARROS MACHADO; publ. *Publicações Culturais da Companhia de Diamantes de Angola.*

UNIVERSITY

ESTUDOS GERAIS UNIVERSITÁRIOS DE ANGOLA

CAIXAS POSTAIS 815 AND 1350, LUANDA

Telephone: Luanda 7372

Founded 1963.

Chancellor: JOÃO CALÇADA ESTRELA (Acting).
Rector: ANTONIO DE MENDONCA MONTEIRO.
Vice-Rector: ARNALDO DE FONSECA ROZEIRA.
Registrar: CRISTÓVÃO COLOMBO DE OLIVEIRA (Acting).
Librarian: HERNÂNI MAYA.

Number of teachers: 50.
Number of students: 500
Publications. *Anuário dos Estudos Gerais Universitários de Angola, Boletim da Biblioteca dos Estudos Gerais Universitários de Angola.*

DEANS:

Faculty of Engineering: ANTÓNIO DE MENDONCA MONTEIRO.
Faculty of Veterinary Sciences: IVO FERREIRA SOARES.
Faculty of Medicine: JOÃO DE OLIVEIRA E SILVA.
Faculty of Agriculture and Forestry: VIRGÍLIO CANNAS MARTINS.
Faculty of Education: DÉLIO NOBRE SANTOS.
Faculty of Sciences: AMARO JOAQUIM MONTEIRO.

PROFESSORS:

CAEIRO VICTOR MANUEL PAIS Parasitology
FONSECA ROZEIRA, ARNALDO DEODATO DA, Botany
GAGEAN, DAVID LOPES, Mathematics
MARTINS, JOSE LUIS RODRIGUES, Physics
MARTINS, VIRGILIO CANNAS, Agriculture
MONTEIRO, AMARO JOAQUIM, Physics
MONTEIRO, ANTONIO DE MENDONÇA, Chemistry
SANTOS, DÉLIO NOBRE, Psychology
SILVA, JOÃO DE OLIVEIRA E., Physiology
SOARES, IVO FERREIRA, Anatomy

MOZAMBIQUE

Population 6,592,994

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Arquivo Histórico de Moçambique (*Mozambique Historical Archives*): Direcção dos Serviços de Instrucão, Lourenço Marques; library of 8,319 vols.; Dir. JORGE GOUVEIA CRÓ (acting).

Instituto do Algodão de Moçambique (*Cotton Research Institute*): Caixa Postal 806, Lourenço Marques; f. 1962; departments of agronomy, botany, soils, economics, genetical cytology, entomology and phytopathology; 4 experimental stations; library of 2,500 vols., 210 journals and reviews; Dir. Eng. Agr. MARIO DE CARVALHO; publ. *Memórias e Trabalhos.*

Instituto de Investigação Cientifica de Moçambique (*Mozambique Institute of Scientific Research*): Caixa Postal 1780, Lourenço Marques; f. 1955; departments of Biology, Geography, Geology, Social Sciences; library and scientific documentation centre, Museu Dr. Alvaro de Castro incorporated since 1959; Dir. Prof. Dr. A. XAVIER DA CUNHA; publs. *Revista de Entomológia de Moçambique, Novos Taxa Entomológicos, Boletim do Centro de Documentação Cientifica, Memórias do Instituto de Investigação Cientifica de Moçambique.*

Instituto de Investigação Médica de Moçambique (*Mozambique Medical Research Institute*): Avenida Fernandes Tomáz 179, Caixa Postal 1572, Lourenço Marques; f. 1955; departments of Epidemiology (Malacology, Demography and Statistics), Microbiology (Protozoology, Helminthology, Bacteriology), Clinical Pathology (Therapeutics, Biochemistry, Hemathology, Pathology), Documentation and Scientific Information; 556 vols., 210 journals, 163 maps; Dir. L. T. DE ALMEIDA FRANCO.

Observatório Astronómico e Meteorlógico Campos Rodrigues (*Campos Rodrigues Astronomical and Meteorological Observatory*): Serviço Meteorológico de Moçambique, Caixa Postal 256, Lourenço Marques; f. 1907; Dir. Dr. ANTONIO SILVA DE SOUZA; publs. *Anuário de Observações* (3 vols.), I *Observações Metorológicas de Superficie,* II *Observações Meteorólogicas de Altitude,* III *Observações Astronómicas, Boletim Séismique, Informações de Caracter Astronómico, Boletim Geomagnetico Preliminar, Boletim Meteorologico para a Agricultura, Publicações Eventuais.*

Sociedade de Estudos da Provincia de Moçambique (*Society for the Advancement of Science in Mozambique*): P.O. Box 1138 (Lourenço Marques); f. 1930; 650 mems., library of 24,000 vols.; the Society is divided into 13 sections: Overseas Administration, Social Sciences, Economy and Finance, Agriculture, Brazilian Studies, French Studies, Feminine Studies, Humanities, Jurisprudence and Legislation, Mathematics and Engineering, Biology and Medicine, Soil Protection, Physico-Chemical Sciences; Press. Dr. ANTÓNIO SILVA DE SOUSA; publ. *Boletim* (bi-monthly).

LIBRARIES

Biblioteca Central de Educação: Lourenço Marques; 4,600 vols.; maintains a travelling library.

Biblioteca Municipal: Lourenço Marques; 7,951 vols.

Biblioteca da Sociedade de Estudos da Provincia de Moçambique: Lourenço Marques; 24,000 vols.

Biblioteca Nacional de Moçambique (*National Library of Mozambique*): Lourenço Marques; f. 1961; 70,000 vols.; Dir. Dr. JORGE GOUVEIA CRÓ.

MUSEUMS

Museu Dr. Álvaro de Castro: Caixa Postal 598, Lourenço Marques; f. 1911; Natural History Museum and Ethnographic Gallery; Dir. Prof. Dr. A. XAVIER DA CUNHA.

Museu Freire de Andrade: Direcção dos Serviços de Geologia e Minas, Lourenço Marques; f. 1940; Department of Geology and Mines; Dir. Eng. JORGE MANUEL TRIGO MIRA.

UNIVERSITY

ESTUDOS GERAIS UNIVERSITÁRIOS DE MOÇAMBIQUE

C.P. 257, LOURENÇO MARQUES

Telephone: 91851.

Founded 1963.

Rector: Prof. Dr. JOSÉ VEIGA SIMÃO.

Librarian: Dr. ALDA DE NEVES LIMA.

Number of teachers: 47.
Number of students: 384.
Publication: *Revista dos Estudos Gerais Universitários de Moçambique* (five sections).

DIRECTORS:

Faculty of Pedagogic Sciences: Dr. CRUX PONTES.
Faculty of Medicine: Prof. Dr. A. A. SIMÕES DE CARVALHO.
Faculty of Engineering: Prof. Dr. J. M. CORREIA NEVES.
Faculty of Agriculture: Prof. Dr. A. XAVIER DA CUNHA.
Faculty of Veterinary Sciences: Prof. Dr. CORREIA MADEIRA.

PROFESSORS:

BASTOS MACEDO, J., Agricultural Chemistry
CORREIA MADEIRA, A., Veterinary Histology
CORREIA NEVES, J. M., Mineralogy
MESQUITA RODRIGUES, J. E., Botany
PEREIRA COELHO, R., Mathematics
SIMÕES DE CARVALHO, A. A., Anatomy
SIMÕES REDINHA, J., Chemistry
VEIGA SIMÃO, J., Physics
XAVIER DA CUNHA, A., Biology and Zoology

OTHER TERRITORIES

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Macao

Circulo de Cultura Musical (*Circle of Musical Culture*): Calçada do Monte 8; Pres. LUIS GONZAGA GOMES.

Portuguese Guinea

Centro de Estudos da Guiné Portuguesa: Caixa Postal 37, Bissau; f. 1945; library of 9,623 vols.; Pres. Dr. CARLOS LEHMAN DE ALMEIDA; Sec. JOAQUIM AUGUSTO AREAL; publs. *Boletim Cultural da Guiné Portuguesa* (quarterly), *Memórias*.

LIBRARIES AND MUSEUMS

Macao

Biblioteca Nacional de Macau (*National Library of Macao*): Librarian: LUIS GONZAGA GOMES; Edificio do Leal Senado, Macau.

Biblioteca Sir Robert Ho Tung (*Sir Robert Ho Tung's Chinese Library*): Largo do Sto. Agostino, Macau; Librarian: LUIS GONZAGA GOMES.

Museu Luís de Camões (*Luís de Camões Museum*): Praça Luís de Camões, Macau; Curator; LUIS GONZAGA GOMES.

São Tomé e Príncipe

Biblioteca Municipal Dr. Henriques da Silva: Caixa Postal 13, São Tomé; 2,100 vols.; Librarian ARISTIDES DE OLIVEIRA.

Portuguese Guinea

Museu da Guiné Portuguesa: Caixa Postal 37, Bissau; departments of History, Ethnography, Natural Sciences and Economics; library of 9,623 vols.; Keeper JOAQUIM AUGUSTO AREAL.

PUERTO RICO

Population 2,349,544

ACADEMY

ACADEMIA PUERTORRIQUEÑA DE LA LENGUA ESPAÑOLA

FORTALEZA 100, P.O. BOX 3946, SAN JUAN

Corresponding with the Real Academia Española.

Founded 1955.

Director: SAMUEL R. QUIÑONES.
Secretary: D. ANTONIO J. COLORADO.
Treasurer: D. SALVADOR TÍO Y MONTES DE OCA.

MEMBERS:

MARGOT ARCE DE VÁZQUEZ.
EUGENIO FERNÁNDEZ.
JOSÉ A. BALSEIRO.
WASHINGTON LLORÉNS.
AUGUSTO MALARET.
ERNESTO JUAN FONFRÍAS.
EVARISTO RIBERA CHEVREMONT.

Elected:

GUSTAVO AGRAIT.
MIGUEL MELÉNDEZ MUÑOZ.
EMILIO S. BELAVAL.
LUIS ANTONIO MIRANDA.
LIDIO CRUZ MONCLOVA.
ARTURO MORALES CARRIÓN.
JORGE FONT SALDAÑA.
ANTONIO PACHECO PADRÓ.
ENRIQUE LAGUERRE.
RAFAEL W. RAMÍREZ.
RENÉ MARQUÉS.
NILITA VIENTÓS GASTÓN.
CONCHA MELÉNDEZ.
FRANCISCO M. ZENO.

LEARNED SOCIETIES

San Juan

Amigos de Calle del Cristo 225, Inc.: Calle del Cristo 255; f. 1955; library of 4,000 vols.

Ateneo Puertorriqueño: Edif. Ateneo, Ponce de León Ave.; f. 1876; Pres. LUIS M. RODRÍGUEZ MORALES.

Comisión Asesora de Teatro: c/o Instituto de Cultura Puertorriqueña; Pres. PIRI FERNÁNDEZ DE LEWIS.

Consejo Puertorriqueño de la Música: c/o Instituto de Cultura Puertorriqueña; Dir. RICARDO E. ALEGRÍA.

Instituto de Cultura Puertorriqueña: Apdo. 4184; Dir. RICARDO E. ALEGRÍA.

Pro Arte Musical de Puerto Rico: Edif. Bouret.

Sociedad de Amigos de las Bellas Artes: c/o Instituto de Cultura Puertorriqueña.

Sociedad Puertorriqueña de Autores, Compositores y Editores Musicales (S.P.A.C.E.M.): 1105 Ponce de León.

Sociedad Puertorriqueña de Periodistas y Escritores (*Puerto Rican Society of Journalists and Writers*): 107 Fortaleza St.; Pres. ERNESTO JUAN FONFRIAS.

Hato Rey

Asociación de Maestros de Puerto Rico (*Puerto Rico Teachers Association*): Ponce de Leon Pda. 33, Hato Rey; Pres. MARIA ARROYO DE COLÓN; Exec. Sec. AGUSTÍN GARCÍA ESTRADA.

Mayaguez

Congreso de Poesía de Puerto Rico (*Congress of Poetry*): c/o Colegio de Agricultura y Artes Mecánicas; Pres. FRANCISCO LLUCH MORA.

Sociedad Mayaguezana Pro Bellas Artes: Pres. ATILANO FERNÁNDEZ.

Ponce

Ateneo de Ponce: Apdo. de Correos 1923; Pres. RAMÓN ZAPATA ACOSTA.

Rio Piedras

Academia Puertorriqueña de la Historia: Universidad de Puerto Rico; Pres. LUIS MANUEL DÍAZ SOLER.

Asociación de Psicólogos de Puerto Rico (*Puerto Rican Association of Psychology*): Apdo. 1902, University Station; Pres. MERCEDES RODRIGO.

Comisión Puertorriqueña de Historia de las Ideas: University of Puerto Rico; Pres. Dra. MONELISA PÉREZ MARCHAND.

U.P.R. Departamento de Actividades Culturales: Universidad de Puerto Rico.

Santurce

Festival Casals: Pda. 22, Edif. Santurce.

Instituto Puertorriqueño de Cultura Hispánica: Calle del Parque 225; Pres. JOSÉ S. ALEGRÍA.

Yauco

Círculo Cultural Yaucano: Calle Muñoz Rivera; Pres. MARÍA AMELIA LUGO DE VIVALDI.

RESEARCH INSTITUTES

Arecibo Ionospheric Observatory: Arecibo; f. 1960; 20-degree off zenith steerable 1,000-ft. radar antenna in 18-acre bowl; for use in the study of planets, discovery of distant radio stars, and for studying the properties of the earth's upper atmosphere; financed by the U.S. Advanced Research Projects Agency; Dir. Dr. JOHN W. FINDLAY, of Cornell University.

Institute of Tropical Forestry: U.S. Forest Service, P.O. Box 577, Rio Piedras; f. 1939; research in timber management and forest products utilisation; trains forestry students; library of 10,000 vols.; Dir. Dr. FRANK H. WADSWORTH.

Puerto Rico Nuclear Center: Bio-Medical Building, Caparra Heights Station, San Juan; f. 1957; operated by the University of Puerto Rico for the U.S. Atomic Energy Commission; graduate-level research and training centre for Latin Americans; in Mayaguez the Center operates a pool-type 2-megawatt research reactor, an L-77 homogeneous training reactor, and a sub-critical assembly; educational programmes at graduate level are offered in nuclear engineering, nuclear science and technology, health physics, chemistry, agriculture, and marine biology; in Río Piedras the Center gives advanced training in radiation therapy, radiological physics, clinical uses of radioisotopes, radioecology, radiobiology and virology, radiation chemistry and physics; Dir. JOHN C. BUGHER, M.D.

LIBRARIES

San Juan

Archivo General de Puerto Rico: Instituto de Cultura Puertorriqueña, Apto. 4184; Dir. LUIS M. RODRÍGUEZ MORALES.

Ateneo Puertorriqueño Library.

Carnegie Public Library: Apdo. 3127; f. 1916.

Commonwealth of Puerto Rico, Department of Justice Library: Librarian GLADYS CRUZ GALÁN.

State Department Library: Fortaleza 54; Librarian Mrs. C. I. PEÑA DE PAGÁN.

Supreme Court of Puerto Rico Library: f. 1953; 42,000 vols.; Librarian ANTONIO NADAL.

University of Puerto Rico, School of Medicine Library: Ponce de León Avenue; f. 1924; 38,000 vols.; Librarian KATHERINE K. LÓPEZ.

U.S. District Court Library: Librarian CARMEN A. CARRERAS.

U.S. Veterans Administration Library: Librarian MARÍA M. J. LIZARRIBAR.

Hato Rey

Department of Education Library: Librarian ROSA C. ARRUFAT.

Humaçao

"Antonio A. Roig" Public Library: P.O. Box 846; Librarian PEDRO MARTINEZ REILOVA.

Mayaguez

U.S. Department of Agriculture, Experiment Station Library: f. 1901; Librarian ASTOR GONZÁLEZ.

University of Puerto Rico, College of Agricultural and Mechanical Arts Library: 47,000 vols.; Librarian JUAN SUÁREZ MORALES.

Ponce

Ponce Public Library: f. 1942; 20,000 vols.; Librarian ANA MARÍA ZAYAS.

Catholic University of Puerto Rico Library: f. 1948; 23,000 vols.; Librarian Sister M. ST. ANGELA.

Rio Piedras

Agricultural Experiment Station Library (University of Puerto Rico): Librarian JOAN P. HAYES.

College of Pharmacy Library (University of Puerto Rico): Librarian JULIA F. DE ORDRÉA.

College of Social Science Library (University of Puerto Rico): Librarian ARTURO FERNÁNDEZ.

Law Library (University of Puerto Rico): Librarian MARGARET HALL.

Puerto Rico Junior College Library: Río Piedras; Librarian ADA VIOLETA ROBINSON.

University of Puerto Rico Library: f. 1903; 150,000 vols.; Librarian JOSEFINA DEL TORO (Acting).

San Germán

Inter-American University of Puerto Rico Library: Librarian Dr. FREDERICK A. FORREST.

Santurce

Central High School and Public Library: Ponce de León, Stop 20.

College of the Sacred Heart Library: Apdo. 9595, Santurce 29; f. 1935; 30,000 vols.; Librarian Mother ANA L. VILÁ, R.S.C.J., M.S.M.L.S.

Economic Development Administration Library: Librarian ISABEL C. LLORENS.

Puerto Rico Planning Board Library: Librarian ARLINE VIRELLA COFFEY.

MUSEUMS

San Juan

Casa del Libro: Calle del Cristo 255; library-museum devoted to the art of the book; Dir. DAVID JACKSON McWILLIAMS.

Museo Militar de la Guardia Nacional: Apdo. 3786, Parada 31/2; Dir. LUIS A. TAVAREZ.

Museo Rodante: c/o Instituto de Cultura Puertorriqueña; Dir. RICARDO E. ALEGRÍA.

Museo de Arte Religioso: Iglesia Porta Coeli, San Germán; c/o Instituto de Cultura Puertorriqueña.

Museo de Bellas Artes: c/o Instituto de Cultura Puertorriqueña.

Museo de Historia Militar y Naval: Fuerte San Jerónimo; c/o Instituto de Cultura Puertorriqueña.

Parque Histórico en las Ruinas de Caparra: c/o Instituto de Cultura Puertorriqueña.

Ponce

Museo de Arte: c/o The Luis A. Ferré Foundation, Inc., Apdo. 1492.

Puerta de Tierra

Museo de Historia Natural: Ave. Ponce de León, Pada. 8, Parque Muñoz Rivera; Dir. ARTURO GIGANTE.

UNIVERSITIES

UNIVERSITY OF PUERTO RICO

RIO PIEDRAS, P.R.

Chancellor: JAIME BENÍTEZ, LL.M., M.A.
Dean of Studies: SEBASTIÁN GONZÁLEZ GARCÍA, PH.D.
Dean of Administration: JOSÉ E. ARRARAS, LL.B.
Treasurer: FRANCISCO RIVERA BRENES, B.B.A.
Registrar: FRANCISCO LÓPEZ, B.A.
Librarian: JOSEFINA DEL TORO, M.L.S.

Number of teachers: 1,837.
Number of students: 12,774 men, 12,035 women, total 24,809.

Publications: *University of Puerto Rico Bulletin* (yearly), *The Puerto Rico Journal of Public Health and Tropical Medicine* (quarterly), *Bulletin of the Agricultural Experiment Station* (quarterly), *La Revista Jurídica de la Univ. de Puerto Rico* (quarterly), *The Journal of Agriculture* (quarterly), *Research Bulletin of the Agricultural Experimental Station* (irregular), *Technical Papers of the Agricultural Experimental Station* (three a year), (irregular), *La Torre* (quarterly), *Social Science Review* (quarterly), *Revista Colegial* (quarterly), *University of Puerto Rico Information Bulletin* (annual), *Revista de la Historia* (semi-annual), *Revista de la Filosofía* (irregular), *Revista de Pedagogía* (semi-annual), *Revista Economía y Estadísticas de Puerto Rico* (semi-annual), *Revista de Contabilidad* (semi-annual), *Revista de Extramuros* (quarterly), *Stahlia* (irregular), *Actividades en el Día* (daily), *Qué pasa en el Campus* (weekly), *Hoy en el Centro* (daily), *El Mirador* (monthly), *Boletín Informativo de la Escuela de Trabajo Social* (irregular), *Boletín Universitario* (annual).

DEANS:

Rio Piedras Campus:
Dean of Sutdents: JUAN JOSÉ MUNEZ PIMENTAL, D.ED.
Commerce: VERNON ESTEVÉS NAVARRO, PH.D.
Humanities: LUIS M. DIAZ-SOLER, PH.D.
Law: DAVID M. HELFELD.
Pharmacy: LUIS TORRES DÍAZ, M.A.
Education: AUGUSTO BOBONIS, PH.D.
Natural Sciences: JUAN D. CURET, PH.D.
Social Sciences: ADRIANA R. GUZMÁN, PH.D.
General Studies: ETHEL RÍOS DE BETANCOURT, PH.D.

Mayaguez Campus:
Dean of Studies: MIGUEL WIEWALL, PH.D.
Agriculture: OVIDIO GARCÍA MOLINARI, PH.D.
Engineering: ELMER OLIVIERI CINTRÓN, M.S.
Arts and Sciences: JUAN A. RIVERO, PH.D.
Students: RAFAEL E. GARCÍA BOTTARI, M.A.

San Juan Campus:
Dentistry: LOWELL E. MCKELVEY, D.D.S.
Medicine, Tropical Medicine: ADAN NICAGLIONI, M.D.

UNIVERSIDAD CATÓLICA DE PUERTO RICO

PONCE, P.R.

Telephone: 842-4150.

Founded 1948.

President: Very Rev. THEODORE MCCARRICK, PH.D.
Chancellor: Most Rev. FREMIOT TORRES OLIVER.
Registrar: Sister M. NORINE, C.S.J.
Librarian: JOSEPH PATRICE, C.S.J.

DEANS:

Administration: Rev. TOMÁS DE LA PUEBLA, C.M., M.A.
College of Arts and Sciences: Sister MARY ALBERT, O.P., PH.D.
School of Law: Dr. CARLOS MASCAREÑAS, LL.D.
College of Education: Sister MIRIAM IMELDA, C.S.J.
Associate Dean of Commerce: Sister ADALBERT, O.P., M.B.A., PHD..

Number of teachers: 196.
Number of students: 4,260.
Publications: *La Nao, Horizontes, Revista de Derecho Puertorriqueño.*

PROFESSORS:

ADALBERT, Sister M., O.P., Commerce
BURGOS MACÍAS, Dr. RAFAEL, Chemistry
GERTRUDE, Sister THERESA, O.P., English
MCCABE, Rev. MARTIN, O.F.M., Social Science
MCKENNA, Rev. STEPHEN, C.SS.R., History

INTER-AMERICAN UNIVERSITY OF PUERTO RICO

SAN GERMÁN, P.R.

Telephone: 892-1095

Founded 1912

President: Dr. RONALD C. BAUER.
Dean of the University: Dr. LORRAINE CASBY.
Registrar: The Rev. RAFAEL COTTO.
Dean of Administration: Dr. RAFAEL GARCÍA.
Librarian: ROBERT ROYCE.

Number of teachers: 211.
Number of students: 5,571.
Publications: *Polygraph* (monthly), *IAU Report* (quarterly), *Between Worlds* (semi annual), *Poesía Hispánica Moderna* (monthly).

The University also has centres at Aquadilla, Arecibo, Barranquitas and Hato Rey.

COLLEGE OF THE SACRED HEART

INTERNADO SANTURCE, P.R.

Telephone: 2-2804

Founded 1935

President: Mother ROSA A. ARSUAGA, R.S.C.J.
Dean: Mother MARY BYLES, R.S.C.J., PH.D.
Treasurer: Mother DOLORES PORTUONDO.
Registrar: Mother C. F. CANALS.
Librarian: Mother ANA LUISA VILÁ, R.S.C.J., M.S. IN L.S.

Publications: *Bulletin of Information, Collegiana, El Pórtico, El Pabellón.*

PROFESSORS:

ARSUAGA, Mother ROSA A. (Psychology).
BYLES, Mother MARY (History).
WOLF, HERBERT (Chemistry).

RHODESIA

Population 4,210,000

LEARNED SOCIETIES

Botanical Society of Rhodesia: Salisbury; f. 1934; Hon. Sec. Mrs. R. ELLIS, P.O. Box 8024, Causeway, Salisbury; Librarian J. A. WHELLAN, P.O. Box 8100, Causeway, Salisbury.

British Council, The: 43 Stanley Avenue, Salisbury; Rep. A. ROSS, O.B.E.

Herpetological Association of Africa: Umtali Museum, Umtali, Rhodesia.

Institution of Mining and Metallurgy: P.O. Box 405, Salisbury.

National Arts Council of Rhodesia: P.O. Box 188, Salisbury.

Rhodesian Agricultural and Horticultural Society: P.O. Box 442, Salisbury; Sec. G. E. GILBERT-GREEN.

Rhodesia Scientific Association: P.O. Box 978, Salisbury; f. 1899; 135 mems.; Pres. Prof. S. H. HARPER; Vice-Pres. C. H. CRONIN, Prof. G. BOND; Hon. Sec. G. L. GUY; Hon. Treas. Dr. D. M. BLAIR; publ. *Proceedings and Transactions of the Rhodesia Scietific Association*, Vols. 1-40.

Rhodesian Society of Arts: P.O. Box 927, Salisbury.

U.S. Information Service: 42 Angwa Street, Salisbury.

RESEARCH INSTITUTES

Agricultural Research Council of Central Africa: Pax House, Union Avenue, Salisbury; f. 1964; succeeded Agricultural Research Council of Rhodesia and Nyasaland; operates research teams in Southern Rhodesia, Malawi and Zambia; Chairman F. BAWDEN, F.R.S.; Director H. C. PEREIRA, D.SC.; Secretary R. W. CLEEVE-EDWARDS, C.A.

Bilharzia Research Laboratory: P.O. Box 8105, Causeway, Salisbury; Dir. V. CLARKE.

Cancer Association (Rhodesia) The: P.O. Box 3388, Bulawayo.

Central Statistical Office: P.O. Box 8063, Causeway, Salisbury; f. 1927; co-ordinated statistical service for the Government of Southern Rhodesia; staff of 134; Dir. C. A. L. MYBURGH, M.COMM., PH.D.; publs. *Monthly Digest of Statistics, Quarterly and Annual Trade Statistics, Quarterly Financial Statistics*, etc.

Department of Veterinary Services; Tsetse and Trypanosomiasis Control Branch: P.O. Box 8283, Causeway, Salisbury; under the Ministry of Agriculture; f. 1961; for the control of trypanosomiasis and tsetse fly and the investigation of methods of control; laboratory at Salisbury and two research stations in Zambezi Valley.

Gatooma Research Station: P.O. Box 396, Gatooma; f. 1925; maintained by the Ministry of Agriculture; Officer-in-Charge A. H. MCKINSTRY, D.I.C.T.A.; Plant Breeder Dr. F. E. M. GILLHAM, B.SC.(AGRIC.); publ. *Rhodesia Agricultural Journal.*

Agricultural Research Council of Central Africa, Cotton Pest Research: P.O. Box 396, Gatooma; Research Entomologist J. P. TUNSTALL, B.SC., A.R.C.S., DIP. AGRIC.; publ. *Rhodesia, Zambia and Malawi Journal of Agricultural Research.*

Geological Survey of Rhodesia: P.O. Box 8039, Causeway, Salisbury; f. 1810; the library contains 1,003 text books, 5,107 reprints, 5,500 periodicals; Dir. A. E. PHAUP; Senior Geologist Dt. W. H. SWIFT; Chemist B. J. RADCLYFFE; Mineralogist H. J. MARTIN; publs. *Annual Reports of the Geological Survey of Southern Rhodesia, Mineral Resources Series*, bulletins, short reports, and maps issued at irregular intervals.

Government Metallurgical Laboratory of the Department of Mines: P.O. Box 8340, Causeway, Salisbury; investigations on methods of economic extraction from precious, base-metal and non-metallic ores.

Henderson Research Station, Fisheries Centre: Mazoe; under the Ministry of Agriculture and Natural Resources; research on fish resources and hydrobiology and development of fishing industries in Southern Rhodesia.

Malaria Eradication Organisation: P.O. Box 8067, Causeway, Salisbury; Dir. Dr. H. L. WOLFE.

Meteorological Service: P.O. Box 8066, Causeway, Salisbury; f. 1897; Dir. J. E. STEVENS; publs. *Monthly Meteorological Summaries, Rainfall Handbook Supplements, Climate Handbook Supplements*, daily weather reports and forecasts, weekly rainfall maps during rainy season Nov.-Mar.

Affiliated Institute:

Goetz Observatory: P.O. Box 562, Bulawayo; also seismology.

Public Health Laboratory: P.O. Box 8079, Causeway, Salisbury; f. 1921; Dir. Dr. K. G. GADD; Pathologists Dr. M. G. A. FORREST, Dr. C. M. D. ROSS; Chief Technical Assistant V. CARLISLE.

Standards Association of Central Africa: Sara House, Hatfield Road, Salisbury; f. 1957; sponsored by the Governments of Southern Rhodesia, Malawi and Zambia; 260 mems.; Chair. W. C. LE PAGE, O.B.E.

Tobacco Research Board of Rhodesia: P.O. Box 1909, Salisbury; a statutory body est. 1950 by Tobacco Research Act; board represents growers, buyers, and Ministry of Agriculture; operates three research stations; Chair. R. B. HARLAND; Dir. I. MCDONALD, B.SC., M.A., PH.D., A.R.I.C.; publs. *Bulletins* and *Interim Reports.*

Veterinary Research Laboratory: P.O. Box 8101, Causeway, Salisbury; f. 1909; research in the animal diseases and the production of vaccines; Dir. G. J. CHRISTIE.

LIBRARIES AND ARCHIVES

Library of Parliament: P.O. Box 805, Causeway, Salisbury; f. 1936; 50,000 vols.; Librarian J. A. EDWARDS.

National Archives of Rhodesia: P.O. Box 8043, Causeway, Salisbury; f. 1935 as the Government Archives of Southern Rhodesia; incorp. archives of Northern Rhodesia and Nyasaland and designated the Central

African Archives 1947; became National Archives of Rhodesia and Nyasaland 1958–63; reverted January 1964 to Rhodesia Government, and responsibility for Northern Rhodesia and Nyasaland archives ceased; also serves Rhodesian municipalities and Bechuanaland Protectorate Government and holds archives of late Federation of Rhodesia and Nyasaland; comprises divisions of Public Archives, Records Management, Historical Manuscripts, National Library (legal deposit library) including Pictorial and Map Collections; photo-copying service available; Dir. T. W. Baxter, A.L.A.; Prin. Archives Office. E. E. Burke, F.L.A.; publs. *Oppenheimer Series, Reports, Bibliographical Series, Guide to the Public Records of Southern Rhodesia, 1890-1923, Documents on the Portuguese in Mozambique and Central Africa, 1497–1840, Occasional Papers, List of Publications deposited in the National Archives* (annual), *History of Northern Rhodesia, early days to 1953, History of Southern Rhodesia, early days to 1934.*

National Free Library of Rhodesia: P.O. Box 1773, Bulawayo; f. 1943 as national lending library for educational, scientific and technical books and national centre for inter-library loans; postal service extended to Northern Rhodesia and Nyasaland 1946; 25,000 vols.; Librarian N. Johnson, A.L.A.

Public Library: P.O. Box 586, Bulawayo; f. 1896; reference lending, junior library; postal service to rural readers; Africana/Rhodesian collection; legal deposit library for S. Rhodesia; 50,000 vols.; librarian R. W. Stacey, F.L.A.

Queen Victoria Memorial Library: P.O. Box 1087, Salisbury; f. 1902; Chair. N. W. Wilding; Librarian and Sec. Mrs. M. Ross-Smith, F.L.A.

Turner Memorial Library: Umtali, Southern Rhodesia; f. 1902; 16,657 vols.; Librarian Mrs. M. Green.

University College of Rhodesia and Nyasaland Library: Private Bag 167H, Salisbury; f. 1956; 100,000 vols.; 3,000 periodicals; deposit library; Medical library; Doke African languages collection; photo-copying facilities; Catalogue of Courtauld Collection of Roman coins; Librarian D. H. Varley, M.A., F.L.A.; publ. *Union Catalogue of Periodicals in the Libraries of Rhodesia and Nyasaland.*

MUSEUMS AND ART GALLERIES

National Museum of Rhodesia: P.O. Box 240, Bulawayo; f. 1901; botanical, geological and zoological exhibits and study collections covering the Ethiopian Zoological Region, with special reference to Southern Rhodesia; historical, ethnographical, and prehistorical exhibits appertaining to Southern Rhodesia and adjacent regions; Scientific Staff: Curator and Keeper of Antiquities R. F. H. Summers, F.S.A., F.R.S.S.A.; Keeper of Invertebrate Zoology E. C. G. Pinhey, D.SC., Keeper of Vertebrate Zoology M. P. S. Irwin, F.Z.S.; Keeper of Geology C. C. Smith, B.SC.

National Museum: Selborne Avenue, P.O. Box 240, Bulawayo; departments of zoology, entomology, geology and antiquities; collections of wild life, insects, flora and history of Rhodesia; library.

Queen Victoria Museum: P.O. Box 8006, Causeway, Salisbury; f. 1902; history, archæology, zoology, and palaeontology of Southern Rhodesia; controlled by the Trustees of the National Museum of Southern Rhodesia; Curator G. L. Guy.

Rhodes National Gallery: P.O. Box 8155, Causeway, Salisbury; f. 1957; permanent collection includes works by Reynolds, Morland, Murillo, Ribera, Bellini, Pannini, Mantegna, Caracciolo, Rodin, Sutherland, Moore, Chadwick, Etienne-Martin and traditional and contemporary African art; art library and reading room; Dir. F. McEwen, O.B.E.

Umtali Museum: Umtali; zoological, archæological, ethnographical, geological exhibits covering Rhodesia and adjacent regions; historical items, animal transport, herpetology and firearms.

UNIVERSITY

THE UNIVERSITY COLLEGE OF RHODESIA AND NYASALAND

PRIVATE BAG 167H, SALISBURY

Telephone: Salisbury 36635, 35674

Telegraphic Address: Unicoll, Salisbury

In February 1955 a Royal Charter was granted to the University College of Rhodesia and Nyasaland. The College is open to men and women of all races. The medical degrees awarded are those of the University of Birmingham, and those in all other subjects those of the University of London. Teaching in Arts and Science began in 1957, Medicine in 1963, and Law in 1965.

President: Her Majesty Queen Elizabeth the Queen Mother.

Principal: Dr. Walter Adams, C.M.G., O.B.E., B.A., LL.D.

Registrar: J. D. Angus, B.A.

Librarian: D. H. Varley, M.A., F.L.A.

Number of teachers: 127.
Number of Students: 671 (full time), 143 (part-time).

Deans:

Faculty of Arts: Prof. H. F. Guite.
Faculty of Education: Prof. C. A. Rogers.
Faculty of Medicine: Prof. B. Cruickshank.
Faculty of Science: Prof. A. R. Manwell.
Faculty of Social Studies: Prof. W. L. Taylor.

Professors and Heads of Departments:

Faculty of Arts:
African Languages: G. Fortune, S.J., M.A., PH.D.
Classics: H. F. Guite, M.A.
English: N. H. Mackenzie, M.A., U.E.D., PH.D.
History: (Vacant).
Modern Languages: B. H. Rasmussen, B.A.
Theology: R. Craig, M.A., PH.D., S.T.M.

Faculty of Education:
Education: H. J. Rousseau, M.A., D.LITT., D.ED.

Faculty of Medicine:
Anatomy: A. P. D. Thomson, M.B.E., B.SC., M.B., CH.B.
Medical Biology: Jessie J. Rankin, PH.D., F.Z.S.
Medicine: L. Davidson, M.D., F.R.C.P., M.R.C.P.
Pathology: B. Cruickshank, M.D., PH.D., M.R.C.P., M.C.PATH.
Physiology: J. D. Nelms, M.B., B.S.

Faculty of Sciences:
Agriculture: A. G. Davis, M.SC.
Biological Science: (Vacant).
Chemistry: S. H. Harper, PH.D., D.SC., A.R.S., D.I.C., F.R.I.C.
Geology: G. Bond, PH.D., D.I.C., F.G.S.
Mathematics: A. R. Manwell, B.SC.
Physics: E. L. Yates, M.SC., PH.D., F.INST.P.

Faculty of Social Studies:
Economics: W. L. Taylor, M.A., M.SC.ECON.
Government: (Vacant).
Law: R. H. Christie, Q.C., M.A.
Sociology: J. Clyde Mitchell, D.PHIL.

ATTACHED INSTITUTES:

Institute of Education.

Director: Prof. A. MILTON, M.A.

Institute of Adult Education.

Lecturer-in-charge: E. K. TOWNSEND-COLES, B.A.

COLLEGES

Chibero College of Agriculture: Private Bag 901, Norton; Three-year Diploma in Agriculture for Africans.

Principal: J. W. WALSH, B.AGR.

Number of students: 40.

Gwebi Agricultural College: Private Bag 376B, Salisbury; f. 1950.

Acting Principal: H. R. MUNDY.

The college provides a two-year course, leading to the Diploma in Agriculture.

Nyatsime College: Seke; f. 1960; African secondary and technical college, giving four-year course in Cambridge O Level, two five-year course in Business Education and 5 year courses leading to City and Guilds of London Institute examination.

Principal: D. M. K. SAGONDA, B.A.

Rhodesian College of Music: Civic Centre, Rotten Row, Salisbury C.3; f. 1948.

President: Sir THOMAS CHEGWIDDEN, C.B., C.V.O.

Founder and Director of Studies: EILEEN M. REYNOLDS, F.R.A.M., Hon. R.C.M.

Secretary: AIDA LOVELL, L.R.A.M.

Salisbury School of Art: Corner Rhodes Avenue/Eighth-Street, Salisbury.

Salisbury Polytechnic: P.O. Box 8074, Causeway, Salisbury; number of students: approx. 1,600. Full-time courses in Engineering to Degree level; Sandwich courses for Technicians and Craftsmen; part-time courses in Printing and Adult Education; full-time and part-time courses in Commercial subjects to B. COM. level; library of 4,000 vols.

RUMANIA

Population 18,813,131

ACADEMY

Academia Republicii Socialiste Române (*Academy of the Rumanian Socialist Republic*): Bucharest, Calea Victoriei 125; f. 1948, as a result of the re-organisation of the Academia Română, and the re-organisation of the Academia de Stiinţe and Academia de Medicină.

President: ILIE MURGULESCU.

Library: *see* Libraries.

PRESIDIUM OF THE ACADEMY

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KREINDLER, A.	RĂŞCANU, V.
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CIOCULESCU, S.	MACREA, D.
COTEANU, I.	MIHAESCU, H.
DIMA, A.	

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BENIUC, M.	MARCU, D.
BOGZA, G.	OPRESCU, G.
EFTIMIU, V.	PHILIPPIDE, A.
JALEA, I.,	STANCU, Z.

CORRESPONDING MEMBERS:

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BARASCHI, C.	GRIGORESCU, L.
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CAMILAR, E.	NAGY, I.
CARAGEA, B.	SOCOR, M.
CIUCURENCU, A.	VATASIANIU, V.

RESEARCH INSTITUTES ATTACHED TO THE ACADEMY OF THE R.S.R.

Section of Mathematics:

Centrul de Statistică Matematică (*Centre of Mathematical Statistics*): Bucharest, Str. M. Eminescu 47; Dir. Acad. GHEORGHE MIHOC.

Institutul de Calcul (*Institute of Calculus*): Cluj, Bul. Republicii 37; Prof. TIB. POPOVICI.

Institutul de Matematică (*Institute of Mathematics*): Bucharest 3, Str. M. Eminescu 47; f. 1949; Dir. Acad. M. NICOLESCU; publs. *Revue Roumaine de Mathématiques pures et appliquées, Studii şi cercetări matematice.*

Institutul de Matematică (*Institute of Mathematics*): Iaşi, Str. Universitaţii 16; Dir. Prof. M. HAIMOVICI; publ. *Studii şı Cercetări Stiinţifiace Iaşı—Matematica.*

Observatorul Astronomic (*Astronomical Observatory*). Bucharest, Str. Cuţitul de Argint 5; 2 sections; astronomy, f. 1908; astrophysics, f. 1961; Dir. Prof. CONSTANTIN DRAMBA, corres. mem. of Acad.; publs: *Studii in Cercetări de Astronomie* (Studies and Researches of Astronomy), *Anuarul Observatorului din Bucuresti, Buletinul Solar.*

Section of Physics:

Institutul de Fizică (*Institute of Physics*): Bucharest, Calea Victoriei 114; Dir. Acad. EUGEN BĂDĂRĂU.

Institutul de Fizică Atomică (*Institute of Atomic Physics*): Bucharest, Comuna Măgurele; f. 1949; Dir. Acad. HORIA HULUBEI.

Section of Chemistry:

Centrul de Cercetări de Chimie Fizică (*Institute of Physical Chemistry*): Bucharest, Str. Dumbrava Rosie 23; Dir. Prof. I. G. MURGULESCU.

Centrul de Cercetări de Chimie Anorganică (*Research Centre of Inorganic Chemistry*): Bucharest, Calea Victoriei 125; Dir. Prof. C. DRĂGULESCU.

Centrul de Cercetări de Chimie Organică (*Institute of Organic Chemistry*): Bucharest, Str. Polizu 1; Dir. C. D. NENITZESCU.

Institutul de Chimie (*Institute of Chemistry*): Cluj, Str. Donath 59-65; f. 1951; Dir. Acad. RALUAC RIPAN.

Institutul de Chimie "Petru Poni" (*Institute of Chemistry*): Iaşi, Aleea Grigore Ghica Vodă 41a; Dir. Prof. ION ZUGRĂVESCU.

Section of Technical Sciences:

Centrul de Cercetări Tehnice (*Centre of Technical Research*): Iaşi Str. Florea 4.

Centrul de Cercetări Tehnice (*Technical Research Centre*): Timişoara, B.-dul. Mihai Viteazul 24; Dir. Prof. Acad. ST. NĂDĂŞĂN.

Institutul de Energetică (*Research Institute for Power-Engineering*): Bucharest, Şos. Vitan 236; f. 1948; Dir. Prof. DR.ENG. REMUS RĂDULEŢ; researches in

electrical and heat engineering, liquid, gaseous and solid fuel combustion, utilisation of various energy resources and general problems of power engineering.

Institutul de Mecanică Fluidelor "Traian Vuia" (*Traian Vuia Institute of Applied Mechanics*): Bucharest, Str. Const.Mille 15; Dir. Acad. Elie Carafoli. Divisions of aeromechanics, hydro-mechanics, etc., library 11,000 books, 1,000 periodicals; publ. *Studii şi Cercetări de mecanică aplicată* (summaries in foreign languages—6 issues a year), *Revue Roumaine des Sciences Techniques* (in foreign languages—6 issues a year.).

Section of Biology:

Institutul de Cercetări Biologice (*Biological Research Institute*): Bucharest, Splaiul Independentei 296; Dir. Prof. N. Sălăgeanu.

Institutul de Biochemie (*Institute of Biochemistry*): Bucharest, Str. Docentilor 20; Dir. Acad. E. Macovschi.

Institutul de Spelologie "Emil Racoviţă" (*Institute of Speleology*): Bucharest, Str. Capşa 8; Dir. Prof. Traian Orghidan.

Centrul de Biologie Generală şi Applicată (*Centre of General and Applied Biology*): Iaşi, Str. Universităţii 16; Dir. Acad. Vasile Răşcanu.

Centrul de Cercetări Antropologice (*Centre of Anthropological Research*): Bucharest, Bul. Dr. Petru Groza 8; Dir. Prof. Olga Necrasov.

Centrul de Cercetări Biologice (*Biological Research Centre*): Cluj, Str. M. Emilescu 12; Dir. Acad. E. Pop.

Section of Agriculture and Forestry:

Colectivul Ampelografia (*Ampelography Group*): Bucharest, Str. Lt. Lemnea 16; Dir. Prof. Gherasim Constantinescu.

Colectivul de Pedologie (*Pedology Group*): Bucharest, Str. Lt. Lemnea 16; Dir. Acad. Nicolae Cernescu.

Colectivul Pomologia (*Pomology Group*): Bucharest, Str. Lt. Lemnea 16; Dir. Prof. Th. Bordeianu.

Section of Geology and Geography:

Centrul de Cercetări de Geo-Fizică (*Centre of Geo-Physical Research*): Bucharest, Bul. Ana Ipatescu 21; Dir. Acad. Sabba Stefanescu.

Institutul de Geologie şi Geografie (*Institute of Geology and Geography*): Bucharest, Str. Dr. Burghele 1-3; f. 1944; reorganised 1958; Dir. Prof. Virgil Ianovici.

Section of Medical Sciences:

Centrul de Embriologie Normală şi Patologică (*Research Centre for Normal and Pathological Embryology*): Timişoara, Bul. Mihail Viteazul 24; f. 1963; Dir. Prof. Dr. B. Menkes; publ. *Revue Roumaine d'Embryologie et de Cytologie.*

Clinica Medicala (*Clinic of Internal Medicine*): Bucharest, Str. Hatmanul Arbore 8; a department of the Institute of Medicine; Dir. Prof. C. G. Dimitriu.

Colectivul de Chimio-Terapie (*Chemical Therapy Research Group*): Bucharest, B.-dul. Dr. Petru Groza 8; Dir. Prof. S. Oeriu.

Colectivul de Microbiologie (*Microbiology Research Group*): Bucharest, Spl. Independenţei 103; f. 1921; a department of the Inframicrobiology Institute; Dir. Acad. Prof. Dr. C. Ionescu-Mihăieşti; publ. *Archives roumaines de pathologie experimentale et de microbiologie* (tri-monthly).

Colectivul Dermato-venerologie (*Research Group for Dermatology and Venereal Diseases*): Bucharest, Şos. Stefan cel Mare 89; a department of the Institute of Therapeutics; Dir. Acad. St. Gh. Nicolau.

Colectivul Medical (*Medical Research Group*): Târgu-Mureş, Str. Universităţii 38; Dir. Acad. D. Miskolczy.

Institutul de Cercetări Medicale (*Institute of Medical Research*): Cluj, Str. Clinicilor 1; Dir. Acad. A. Moga.

Institutul de Cercetări Medicale (*Institute of Medical Research*): Iaşi, Str. Filimon Sîrbu 7; Dir. Acad. I. Niţulescu.

Institutul de Endocrinologie "Prof. C. I. Parhon" (*"Prof. C. I. Parhon" Institute of Endocrinology*): Bucharest, Bul. Gen. Aviatorilor 34; f. 1946; Dir. Acad. Stefan Milcu; publs. *Revue roumaine d'Endocrinologie, Studii şi Cercetări de Endocrinologie.*

Institutul de Fiziologie Normală şi Patologică "D. Danielopolu" (*"D. Danielopolu" Institute of Normal and Pathological Physiology*): Bucharest, Bul. 1 Mai 11; Dir. Acad. Gr. Benetato.

Institutul de Inframicrobiologie (*Institute of Inframicrobiology*): Bucharest, Şos. Mihai Bravu 283; f. 1950; Dir. Acad. St. S. Nicolau; publs. *Revue Roumaine d'Inframicrobiologie Studii şi Cercetări de Inframicrobiologie.*

Institutul de Medecină Internă (*Institute of Internal Medicine*): Bucharest, Şos. Ştefan del Mare 19-21; Dir. Acad. Prof. Dr. N. Gh. Lupu.

Institutul de Neurologie (*Institute of Neurology*): Bucharest, Str. Povernei 42; Dir. Acad. A. Kreindler.

Institutul de Oncologie (*Institute of Oncology*): Bucharest, Bul. 1 Mai 11; f. 1949; institute for experimental and clinical research in cancer; Dir. Prof. O. Costachel.

Institutul de Terapeutică (*Institute of Therapeutics*): Bucharest, Şos. Ştefan cel Mare 89; Dir. Acad. N. Gh. Lupu.

Secţia de Chirurgie (*Section of Surgery*): Bucharest, 1 Bd. 1848; a department of the Institute of Therapeutics.

Sectorul de Parazitologie (*Department of Parasitology*): Bucharest, Spl. Independenţei 103; a department of the Inframicrobiology Institute; Dirs. Acad. M. Ciucă and Prof. Dr. Gh. Lupascu.

Section of Economics, Philosophy and Law:

Centrul de Logică (*Centre of Logic*): Bucharest, Str. Negustori 9; Dir. Acad. Athanase Joja.

Colectivul de Cercetări Economice: Iaşi; Dir. Prof. D. Rusu.

Colectivul de Drept Vechi Romînesc (*Old Rumanian Law Research Group*): Bucharest, Piaţa Kuibîşev 9; Dir. Acad. Andrei Rădulescu.

Institutul de Cercetări Economice (*Institute of Economic Research*): Bucharest, Bul. Ana Ipătescu 50; Dir. Prof. Costin Murgescu.

Institutul de Cercetări Juridice (*Institute of Legal Research*): Bucharest, Bul. Gheorghe Gheorghiu-Dej 33-35; Dir. Prof. Dr. tr. Ionaşcu.

Institutul de Filozofie (*Institute of Philosophy*): Bucharest, Şos. Ilie Pintilie 6; Dir. Acad. C. I. Gulian.

Institutul de Psihologie (*Institute of Psychology*): Bucharest, Str. Frumoasă 26; Dir. Prof. A. Rosca.

Secţia de Cercetări Economice (*Section of Economic Research*): Cluj, Str. Pavlov 27; Dir. Prof. Cohn Hillel.

Section of History:

Institutul de Arheologie (*Institute of Archæology of the Academia R.S.R.*): Bucharest, Str. I. C. Frimu 11; f. 1864; Acad. Emil Condurachi.

Institutul de Istorie (*Institute of History*): Bucharest, Bul. Aviatorilor 1; Dir. Acad. A. OŢETEA.

Institutul de Istorie şi Arheologie (*Institute of History and Archeology*): Cluj, Str. Emil Isac 2; Dir. Acad. CONSTANTIN DAICOVICIU.

Institutul de Istorie şi Arheologie (*Institute of History and Archeology*): Iaşi, Str. Karl Marx 15; Dir. Conf. VALERIAN POPOVICI.

Institutul de Istorie şi Filozofie (*Institute of History and Philosophy*): Cluj, Str. Emil Isac 2; Dir. Acad. C. DAICOVICIU.

Institutul de Studii Sud-Est Europene (*Institute for South-East European Studies*): Bucharest, Str. I. C. Frimu 9; f. 1963; Dir. Prof. M. BERZA; publ. *Revue des études sud-est européenes.*

Section of Philology:

Centrul de Cercetări Fonetice şi Dialectale (*Centre of Phonetics and Dialectical Research*): Bucharest, Calea Victoriei 194; Dir. Acad. ALEXANDRU ROSETTI.

Centrul de Lingvistică, Istorie Literara şi Folclor (*Centre of Linguistics, History of Literature and Folklore*): Iaşi, Aleea Mihail Sadoveanu 12; Dir. Prof. G. ISTRATE.

Institutul de Lingvistică (*Institute of Linguistics*): Bucharest, Calea Victoriei 194; f. 1949; Dir. Acad. IORGU IORDAN; publs. *Revue Roumaine de Linguistique, Limba Romând, Studii şi Cercetări Lingvistica.*

Institutul de Lingvistică şi Istoria Literaturii (*Institute of Linguistics and Literary History*): Cluj, Str. Emil Racovita 21; Dir. Acad. EMIL PETROVICI.

Institutul de Teoria şi Istoria Literaturii (*Institute of Literary History and Theory*): Bucharest, Bul. Republicii 73; Dir. Prof. MIHAIL NOVICOV.

Section of Literature and Arts:

Institutul de Etnologia şi Folclor (*Institute of Ethnology and Folklore*): Bucharest, Str. Nikos Beloianis 25; library of 30,000 vols.; Dir. SABIN V. DRAGOI.

Institutul de Istoria Artei (*Institute of the History of Art*): Bucharest, Calea Victoriei 11; f. 1949; library of 30,000 vols.; Dir. Acad. G. OPRESCU.

Muzeul de Artă Feudală al Academiei Republicii Socialiste România (*Museum of Feudal Art of the R.S.R. Academy*): Bucharest, Str. Dr. Minovici 3; Dir. D. F. MINOVICI.

BRANCHES OF THE R.S.R. ACADEMY:

Cluj: library f. 1950; 600,000 books; 11,200 periodicals; 6,400 MSS. (*Timotei Cipariu Collection*); old books, incunabula, microfilms; Dir. MIHAIL TRITEANU.

Iaşi: library f. 1950; 147,200 books; 4,732 periodicals; documents, rare books, microfilms.

Timişoara: Scientific Research Unit; libary f. 1954; 34,500 books; 1,000 periodicals and microfilms.

Târgu-Mures: Scientific Research Unit; library f. 1957; 26,500 books; 14,000 periodicals and microfilms.

LEARNED SOCIETIES

Comitetul de Stat Pentru Cultura şi Arta (*State Committee for Culture and Art*): Bucharest, Piaţa Scinteii 1; f. 1949; council for the dissemination of scientific and cultural knowledge; publ. *Science and Technics* (monthly).

Librarians' Association of the Rumanian Socialist Republic: Bucharest, Str. Ion Ghica 4; f.1 956; 2,070 members; Gen. Sec. STEFAN GRUIA.

P.E.N. Club: Bucharest, Intrarea Dr. Marcovici 9; Pres. VICTOR EFTIMIU.

Societatea de Chimie din Romînia (*Chemical Society*). Bucharest, Spl. Independenţei 89; f. 1919; Pres. Prof. Dr. N. T. DELEANU; Gen. Sec. Prof. Dr. E. ANGELESCU; publ. *Buletinul Societaţii de Chimie din Romînia*, half-yearly.

Societatea de Ştiinţe Istorice şi Filologice din R.S.R. (*Society of Historical and Philological Sciences of the R.S.R.*): Bucharest, Bul. Aviatorilor Nr. 1; f. 1949; Chair. Acad. Univ. Prof. PETRE CONSTANTINESCU-IAŞI.

Societatea de Ştiinţe Matematice din R.S.R. (*Society of Mathematical Sciences of the R.S.R.*): Bucharest, Strada Academiei 14; f. 1949; Pres. GRIGORE MOISIL; publs. *Le Bulletin Mathématique, Gazeta Matematică* (series A and B), *Mathematica (Cluj), Matematkai Lupok (Cluj).*

Societatea de Ştiinţe Naturale şi Geografie din R.S.R. (*Society of Natural Sciences and Geography of the R.S.R.*): Bucharest, Bd. Schitu Magureanu No. 9; Chair. NICOLAE SĂLĂGEANU; Sec. OCTAV MUNTEANU.

Societatea Numismatică (*Numismatic Society*): Bucharest, str. Stupinei 39; Pres. Acad. EM. CONDURACHI.

Society of Oncology: Bucharest, Str. Progresului 8-10; member of Union of Societies of Medical Sciences.

Union of Societies of Medical Sciences in the R.S.R.: Bucharest, Str. Progresului 8-10.

Uniunea Compozitorilor din R.S.R. (*Composers' Union of the Rumanian Socialist Republic*): Bucharest, Calea Victoriei 141; f. 1949; Pres. ION DUMITRESCU; publ. *Muzica.*

Uniunea Scriitorilor din Republica Socialistă Romînă (*Writers' Union of the Rumanian Socialist Republic*): Bucharest, Şos. Kiseleff 10; f. 1949; Pres. DEMOSTENE BOTEZ; publs. *Gazeta Literară, Luceafărul, Viata Romînească Secolul XX, Steaua, Orizonr, Iaşul Literar, Utunk, Igaz Szó, Neue Literatur, Novi Jivot.*

Uniunea Societatilor de Stiinte Medicale din R.S.R. (*Union of Societies of Medical Science*): Timişoara; Banat branch, Str. Paris 1; Pres. Prof. Dr. AL. ŞOFLETEA.

RESEARCH INSTITUTES

(*see also under Academy of the R.S.R.*)

Catedra de Biochemie (*Chair of Biochemistry*): Cluj, Str. Pasteur 6; Dir. Prof. Dr. J. MANTA.

Catedra de Biologie-Histologie (*Chair of Biology-Histology*): Cluj, Str. Pasteur 6; Dir. Prof. Dr. V. PREDA.

Catedra de Minerologie-Geologie (*Chair of Mineralogy and Geology*): Cluj University.

Catedra de Paleontologie-Stratigrafie (*Chair of Paleontology and Stratigraphy*): Cluj University; Dir. Prof. Dr. MAXIM IOAN.

Catedra de Psihologie (*Chair of Psychology*): Cluj, Str. Cogalniceanul 1; f. 1921; Head: Prof. AL. ROSCA; publs. *Studia Universitatis Babes-Bolyai, Psychologia-Paedagogia* (annual).

Centrul de Documentare al Industriei Petrolul ui şi Chimei (*Documentation Centre for the Oil and Chemical Industries*): Bul. N. Bălcescu nr. 16, Bucharest; f. 1956; disseminates national and foreign documentation; central library of 36,000 vols.; Dir. Dr. G. MUREŞAN; publs. *Revista de Chimie* (The Chemical Review), *Petrol şi Gaze* (Oil and Gas), *Materiale Plastice* (Plastics), *Celuloză şi Hîrtie* (Pulp and Paper).

Centrul de Documentare Medicala (*Medical Documentation Centre*): str. Polona No. 4, Bucharest.

Centrul de Documentare Pentru Construcţii, Architectură şi Sistematizare (*Documentation Centre for Building, Architecture and Town Planning*): Bulevardul 1848, nr. 10, Bucharest; f. 1957; prepares and diffuses documentary materials; library of 37,000 vols. and 800

current periodicals; technical photo library of 57,000 records; publs. *Buletin de Informare Tehnică* (Technical Information Paper), *Documentare Curentă* (Current Documentation), *Bibliografii Deschise* (Bibliographies), *Sinteze Documentare* (Documentary Synthesis), *Caiete Selective* (Selective Facsimiles), *Catalog de Materiale de Construcţii* (Building Materials Catalogue).

Centrul de Documentare Ştiinţifica din R.S.R. (*Scientific Documentation Centre of the Rumanian Socialist Republic*): Bucharest, Str. Gutenberg 3; f. 1964; facilitates scientific research; Dir. Dr. Ing. AUREL AVRAMESCU; publs. include: *Buletinul de Informare Ştiinţifică* (monthly), *Revista de referate şi recenzii* (monthly), Abstracts on cards.

Comitetul Geologic (*Institute of Geology*): Bucharest, Şos. Kiseleff 55; f. 1960; museum and library; Dir. Pres. Prof. AL. CODARCEA; publs. *Anuarul, Memorii, Comptes Rendus des séances, Studii tehnice şi economice*, maps.

Comitetul Pentru Noua Tehnologia (*Committee for New Technology*): Bucharest; f. 1961; Dir. Prof. NĂDĂŞAN.

Direcţia Centrală de Statistica (*Central Statistical Directorate*): Bucharest, Str. Stavropoleos 6; f. 1859; Dir.-Gen. Prof. M. LEVENTE; publs. *Anuarul Statistic RSR, Breviarul Statistical R.S.R., Revista de Statistica.*

Institutul Botanic (*Institute of Botany*): Cluj University; f. 1872; re-organised 1920; Dir. ONORIU RAŢIU; publ. *Contributii botanice.*

Institutul de Anatomie-Patologică "Dr. V. Babes" (*"Dr. V. Babes" Institute of Pathological Anatomy*): Bucharest, Splaiul Independenţei 91-101, Raionul Lenin; f. 1887; Dir. Prof. Acad. Dr. C. E. CRACIUN; sections of experimental pathology, pathological chemistry, pathological anatomy, tissue cultures, physiological pathology, infracytology, histochemistry, experimental oncology; publ. *Revista de Morfologie Normala şi Patologica.*

Institutul de Cercetări Zootehnice (*Zootechnic Research Institute*): Str. Dr. Staicovici nr. 63, Bucharest; f. 1926 and attached to the Higher Council of Agriculture; conducts research in the field of animal husbandry; Dir. MIHAI STEFĂNESCU; publs. *Scientific Work of the Zootechnic Research Institute*, 21 vols. (research papers).

Institutul de Chimie Industrială al Universităţii din Bucureşti (*Institute of Industrial Chemistry of the University of Bucharest*): Bucharest, Calea Moşilor 132; f. 1920; Dir. Prof. Ing. N. DĂNĂILĂ.

Institutul de Fizica teoretică şi aplicată (*Institute of Theoretical and Applied Physics*): Cluj University; f. 1920; Dir. Prof. A. MAIOR.

Institutul de Geografie al Universitaţii "V. Babes" din Cluj (*Institute of Geography of the University of Cluj*): Cluj; f. 1919; Dir. Prof. Dr. T. MORARIU; publs. *Studia Universitatis Babes-Bolyai, Geologia-Geographia.*

Institutul de Geologie şi Paleontologie (*Institute of Geology and Palæontology*): Cluj University; f. 1918; Dir. Prof. O. PROTESCU; publ. *Revista.*

Institutul de Igienă şi Protectia Muncii (*Institute of Hygiene and Protection of Work*): Bucharest 15, 1-3 Dr. Leonte Str.; Dir. Prof. Dr. GH. CADARIU.

Institutul de Istoria Medicinii (*Institute of Medical History*): Cluj, Str. Pasteur 6; f. 1921; Dir. Conf. Dr. SAMUIL IZSAK; Dir. Consultant Prof. Dr. VALERIU BOLOGA; a museum of the history of pharmacy is attached to the Institute; Library, 50,000 vols.

Institutul de Medicină şi Farmacia (*Medical and Pharmaceutical Institute*): Târgu-Mureş, Str. Universitătii 38; Dir. Prof. Dr. LUDOVIC CSÖGÖR.

Institutul de Ştiinţe Pedagogice (*Institute of Pedagogical Science (Research)*): Bucharest, Str. Sf. Apostoli 14; Dir. Prof. Dr. STANCIU STOIAN.

Institutul de Studii Clasice (*Institute for Classical Studies*): Cluj; Dir. Prof. C. DAICOVICI.

Institutul de Cercetări Ştiintifice Medico-Judiciare "Prof. Mina Minovici" (*"Prof. Mina Minovici" Medico-Legal Institute*): Bucharest, Str. Căuzaşi 9; f. 1892; Dir. Dr. I. MORARU.

Institutul Meteorologic (*Meteorological Institute*): Bucharest, Şos. Bucuresti-Ploisti 97; f. 1884; under the State Committee for Waters; Dir. N. CIOVICA; publs.: daily and monthly weather reports, *Hidrotehnica, Gospodarirea Apelor, Meteorologia* (Hydrotechnics, Water Economics, Meteorology) (monthly), *Anuarul Meteorologic* (annually).

Institutul Pentru Perfecţionarea Cadrelor Didactice (*Institute for the Advancement of Teachers*): Bucharest, Str. Spiru Haret 11; Dir. CONSTANTIN BENDER.

Institutul Românesc de Organizare Stiinţifica a Muncii (*Institute of Labour*): Bucharest, Str. Al. Lahovary 27; f. 1927; Sec.-Gen. P. P. DULFU.

Institutul Romăn pentru Relaţiile Culturale cu Strainatatea (*Rumanian Institute for Cultural Relations with Foreign Countries*): Bucharest, Bul. Dacia 35; Chair. ION PAS.

Staţiunea Zoologică Marină "Prof. Ion Borcea" (*Marine Zoological Station "Prof. Ion Borcea"*): Agigea, Constanţa; f. 1926; under the direction of Iaşi University; research on marine life of the Black Sea; 12 research laboratories; library of 12,000 vols.; 170 periodicals received on an exchange basis from biological institutes throughout the world; museum of marine biology; Dir. Lector ION HUGO SUCIU.

LIBRARIES

Archivele Statului (*State Archives*): Bucharest, Bul. Gheorghe Gheorghiu-Dej 29; f. 1831; Head Office for state archives; 8 sections in Bucharest, 17 in the provinces; 1,670,675 medieval documents; 9,633 funds of archives; MSS., plans, maps and prints; Dir. NICOLAE DINU; publ. *Revista Archivelor.*

Biblioteca Academiei Republicii Socialiste Române: Bucharest, Calea Victoriei 125; f. 1867; 3,904,000 vols.; special collections include manuscripts, maps, engravings, old Rumanian, Slavonic and Greek documents, medals and coins; Dir. Prof. Dr. N. MIRONESCU; publ. *Studii şi Cercetări de Bibliologie.*

Biblioteca Centrală a Universitara "M. Eminescu": Iaşi, Str. Păcurari 4; f. 1839; 1,300,000 books, 50,000 periodicals; incunabula, MSS.; Dir. GRIGORE BOTEZ.

Biblioteca Centrală de Stat: (*Central State Library*): Bucharest, Str. Ion Ghica 4; f. 1955; 4,161,000 books and periodicals; important collections of MSS., musical works, photographs and maps. The library acts as the Central Stationery Office, the National Exchange centre for books, and issues the current National Bibliography, the annual catalogue of books printed in the R.S.R. and the union catalogue of foreign books in R.S.R. libraries; Dir. Prof. ANGELA POPESCU-BRADICENI.

Biblioteca Centrală Institutului Medico-Farmaceutic (*Central Library of the Medical and Pharmaceutical Institute*): Bucharest, Bulev. Dr. Petru Groza 8; f. 1857; 1,155,697 books and journals; Dir. T. PRODAN.

Biblioteca Centrală Regionala "V.A. Urechiaţ" Galaţi: Galaţi, Str. Primăverii 40; f. 1890; 281,000 vols., 2,750 prints; MSS., maps, incunabula; Dir. N. OPREA.

Biblioteca Centrala Universitara: Bucharest, Str. Onesti 1; f. 1864; reorganised 1948; 1,300,000 vols., incorporating a central library (f. 1891) and 17 faculty, institute and student hostel libraries; Dir. Prof. MIRCEA TOMESCU; publs. *Cărti străine intrate în bibliotecile de învăţămînt superior din ţară* (Foreign Books Acquired by the Higher Institute Libraries in R.S.R.) (monthly), *Invăţămîntul superior* (The Higher Education System) (quarterly), guidebooks and bibliographical researches.

Biblioteca Centrală Universitara Cluj: Cluj, Str. Clinicilor 2; f. 1872; 2,379,000 vols.; depts. of old Rumanian prints, art, archaeology, maps, MSS., incunabula and music; Dir. Prof. C. NEGULESCU.

Biblioteca Comitetului de Stat al Planificarii (*Library of the State Committee of Planning*): Bucharest, Cal. Victoriei nr. 152; 121,773 vols. mainly on economic sciences, politics, natural sciences.

Biblioteca Documentara Teleki (*Teleki Library*): Târgu-Mureş, Str. Stefan cel. Mare 13; f. 1802 by the Chancellor Samuel Teleki; 58,900 vols., representative books of the 16th, 17th and 18th centuries, including incunabula and MSS.; Dir. D. ERDELY.

Biblioteca Institutului de Cercetări Agronomice al Academiei R.S.R. (*Library of the Institute of Agricultural Research of the Academy of R.S.R.*): Bucharest, Bul. Marăsti 61; f. 1928; 208,346 books and periodicals; Dir. Ing. C. I. MILICĂ.

Biblioteca Institutului de Documentare Tehnica (*Library of the Institute for Technical Documentation*): I.D.T., Bucharest, Cosmonautilor 27-29; 200,000 books, 71,600 periodicals.

Biblioteca Institutului de Stiinte Economice "V. I. Lenin": Bucharest, Piaţa M. Eminescu 6; f. 1913; 410,000 vols.; special collection in economic sciences; Dir. T. LUDU.

Biblioteca Muzeului Brukenthal: Sibiu, Piaţa Republicii 3; f. by Samuel de Brukenthal (1721-1803), Governor of Transylvania; 230,479 vols., mainly scientific books, among them 362 incunabula; is now the property of the State; Dir. Prof. NICOLAE LUPU.

Biblioteca Regionala Târgu-Mureş (*Regional Public Library*): Târgu-Mureş, Str. Enescu 2; f. 1913; 233,136 vols.; mainly modern Hungarian books; Librarian CHARLES VIGH.

Biblioteca Raională Sibiu (*District Library*): Sibiu, Str. Barit 5; f. 1861; 214,347 books and periodicals.

Braşov Polytechnic Institute Library: Braşov, Str. Nicolae Iorga; f. 1949; 165,948 books; standards, microfilms, patents; Dir. A. NEGRUŢIU.

Braşov Regional Library: Braşov, Bul. Carpaţi 12; f. 1930; 188,000 vols.; MSS.

Centrul de Documentare Agricola al Institutului Central de Cercetări Agricole: Bucharest, Bul. Mărăşti 61; f. 1928; 85,000 books, 4,000 periodicals; Dir. Dr. Ing. IOAN TRIFU.

Cluj Institute of Medicine and Pharmacy Library: Cluj, Str. 1 Mai 13; f. 1775; 200,000 books and periodicals; Dir. O. FILIPOIU.

Colegiul Reformat (*Calvinist College Vibrary*): Târgu-Mureş; f. 1557; ancient Hungarian books, MSS. and incunabula; Librarian BENEDICT KOVÀTS.

Gh. Gheorghiu-Dej Polytechnic Institute Library: Bucharest, Calea Griviţei 132; f. 1881; 452 books, 21,900 periodicals, 23,000 standards and patents; Dir. NICOLAE POPA.

Iaşi Polytechnic Institute Library: Iaşi, Str. 23 August 23; f. 1937; 169,864 books, 1,620 periodicals, 44,122 standards; microfilms; Dir. E. STRAT.

Iaşi Regional Library: Iaşi, Str. Pălatului 1; f. 1950; 164,000 books; Dir. CONSTANTIN GILEA.

Oil, Gas and Geology Institute Library: Bucharest, Str. Traian Vuia 6; f. 1948; 141,258 books and periodicals; Dir. PAUL IRINIEVICI.

State Planning Committee Library: Bucharest, Calea Victoriei 152; f. 1948; 150,000 books and periodicals.

Timişoara Central University Library: Timişoara, Bul. V. Pirvan 4; f. 1948; 135,000 books and periodicals.

Timişoara Regional Library: Piaţa Libertatii 3, Timişoara; f. 1909; 220,000 vols.; MSS.; Dir. M. IANCULESCU.

"V. A. Urechia" Regional Library: Galaţi, Str. I. H. Rădulescu 2; f. 1890; 264,000 books; Dir. OPREA NEDULCU.

MUSEUMS AND ART GALLERIES

Alba Iulia Regional Museum: 2 Engels Str., Alba Iulia; exhibits relating to archaeology, history, numismatics and ethnography, publs. *Apulum, Acta Musei Apulensis*.

Arad Regional Museum: Arad, Piaţa Xenopol 1; historical and ethnographical exhibits relating to the Arad region; also a rich collection of Hungarian works of art of the 18th, 19th and 20th centuries, as well as Rumanian classical and contemporary art; there are numerous exhibits of the 1848 revolution in Transylvania.

Archeological Institute Museum of the R.S.R.'s Academy: Bucharest, I. C. Frimu II.

Art Museum of the R.S.R.: Bucharest, Ştirbei Vodă 1; consists of four sections; (i) the National Gallery containing national, classical, modern and contemporary works of art; (ii) the Universal Gallery, containing paintings, sculptures, European decorative arts and Oriental art; (iii) Early Rumanian art; (iv) Graphic art and prints; Dir. M. H. MAXY.

Braşov Museum: Braşov, Str. Lunga 9; Prehistoric, Roman and Medieval art; Dir. C. TEODORESCU.

Bruckenthal Museum: Sibiu, Piaţa Republicii 4; f. 1815; archæology, history, ethnography, European paintings 15th-18th centuries; library, 233,136 vols.; incorporates the National History Museum of Str. Cetatii; contains large collection of flora and fauna; Dir. N. LUPU.

Central Army Museum: 137 Izvor Str., Bucharest; contains a rich collection of materials dealing with the history of the army; displays of documents, photographs, weapons, costumes, medals.

Cluj Art Museum: Cluj, 30 Piaţa Libertăţii; f. 1952; collections of Rumanian and Hungarian classical and contemporary plastic art; houses some of the most important collections in Transylvania; Dir. ERVIN DITROI.

Colectia de Arta Comparata (*Comparative Art Collection*): Bucharest, Str. Dr. Obedenaru 3; private collection since 1895, made public 1951; Rumanian and foreign plastic art, including important collection of ceramics; old Western furniture.

Collection "Ion Minulescu": Bucharest, Bul. Gh. Marinescu 19; collection of the poet Ion Minulescu.

Collection "Misu M. Weinberg": Bucharest, Str. Alex. Sahia 36; contemporary Rumanian painting; *Objets d'art*, ancient carpets, Bohemian crystal, etc.

Constanţa Archeological Museum: Constanţa; exhibits relating to the prehistory and archaeology of the region.

Constanţa Art Museum: Constanţa, Str. Muzeelor 12; modern Rumanian art; Dir. F. POSTOLACHE.

Craiova Regional Museum: Craiova, Str. Maxim Gorki 58; art gallery and exhibits of the history and natural history of the region.

Crisana Regional Museum: Oradea, Str. Eötvös 4; Dir. T. JURKSAK.

Delta Dunării Museum in Tulcea: Dobrudja Region, Str. Progresului 32; collections of mineralogy and vertebrates; Dir. S. GAVRILĂ.

Deva Regional Museum: Deva, Piaţa Petru Groza; exhibits relating to the archæology, history, natural history and ethnography of the region.

Dobrudja Archaeological Museum: Constanţa, Str. Muzeelor; Dir. V. Canarache.

Elena and Dr. I. N. Dona Collection: Bucharest, Str. General Dona 12; Rumanian and foreign paintings and sculptures; classical works of Ion Andreescu, Nicolae Grigorescu, S. Luchian; modern works of Petraşcu, Tonitza, Pallady, Iser, Ciucurencu, Pissaro, Laurencin; wooden and silver icons; antique carpets; Dir. L. Dona.

M. Eminescu Museum: Ipoteşti; memorial museum of the poet in his own village; Dir. V. Iordăchel.

George Enescu Museum: Bucharest, Calea Victoriei 141; Dir. R. Drăghici.

Ethnographical Museum of Transylvania: Cluj, Str. 30 Decembrie 21; f. 1922; over 53,000 exhibits, with special emphasis on north-western Rumania; also section on primitive peoples from all over the world; library and valuable collection of archives; the **Ethnographical Park** (f. 1929), the first open-air museum in Rumania is a special section of the Ethnographic Museum and displays the larger exhibits; Dir. Gheorghe Dăncuş.

Feudal Art Museum of the R.S.R. Academy: Bucharest, Str. Dr. Minovici 3; collection of decorative art XV-XVII centuries; Dir. D. F. Minovici.

Galaţi Regional Museum: Galaţi, Str. Avintului 9; exhibits relating to the history and natural history of the region.

N. Grigorescu Museum: Cîmpina, Str. 23 August 170; Dir. S. Dumitrescu.

B. P. Hasdeu Memorial Museum: Ploeşti; Dir. A. Iordache.

Historical and Archeological Museum of Bucharest: Bucharest, Bul. 1848 2; collections representing the most important moments in the history of the capital, documents, works of art, etc.; Dir. F. Georgescu.

History Museum in Roman: Roman, Str. Cuza Vodă 33; Dir. V. Ursache.

Iaşi Art Museum: Iaşi, Str. Malinowski; special collection of Moldavian art and other collections of classical and contemporary paintings and sculptures.

Iaşi Regional Museum: Iaşi, Str. Pălatului 1; Dir. V. Condurache.

"Iosif Vulcan" Museum: Oradea 4, Eötvös 4; Dir. Angela Popovici.

"Iron Gates" Museum: Turnu Severin; natural history, and archaeology.

V. I. Lenin Museum: Bucharest; f. 1955; exhibits include over 1,000 paintings, photographs, manuscripts and books in facsimile illustrating the life of Lenin; films relating to the history of the Communist Party of the Soviet Union are shown in the Museum's cinema.

Dr. Minovici Museum: Bucharest, Str. Dr. Minovici No. 1; ethnographical collections; Dir. D. F. Minovici.

Mogoşoaia Brîncoveanu's Art Museum: Mogoşoaia; a branch of the R.S.R.'s Art Museum; Rumanian works of art.

Moldavian Ethnographical Museum: Iaşi, Palatul Culturii; f. 1943; historical and ethnographical collections relating to the region; the building itself ranks among the country's historical monuments.

Muzeul Ardelean: Cluj, Str. Kogălniceanu 8; f. 1856; antiquities, mineralogy, botany, and zoology; Dir. Alex. Tavassy.

Museum "Cornel Medrea": Bucharest, Str. Gl. Budisteanu 16; collection of sculptures by Cornel Medrea.

Museum of Experimental Sciences: Bucharest, 21 Bd. Ana Ipătescu; celestial phenomena; Dir. M. Alecescu.

Muzeul Comisiunei monumentelor istorice: Bucharest, Strada General Berthelot 28.

Muzeul de Artă şi Archeologie: Bucharest, Şoseaua Kisseleff 3; f. 1912; Dir. Prof. I. Oprescu.

Muzeul de Istorie Naturala "Grigore Antipa": Bucharest 3, Soşeaua Kiseleff 1; f. 1834; 34,000 books, 1,064 periodicals; Dir. Dr. Mihai C. Bacescu: publ. *Travaux du Museum d'Histoire Naturelle "Gr. Antipa"*.

Muzeul Kalinderu: Bucharest, Str. Prof. V. Sion 2; f. 1913.

Muzeul Memorial Pictor Tattarescu: Bucharest, Domnita Anastasi 7; f. 1951; Dir. Georgeta Aertheimer-Ghika.

Muzeul, Pinacoteca şi Cliptoteca Alex. Aman: Craiova, Str. Kogălniceznu 9; f. 1907; Dir. Elena Farago.

Muzeul regional Oltenia: Craiova, Str. Maxim Gorki; f. 1915; Dir. Ion Firu.

Muzeul Săsesc: Brasov, Calea Victoriei 39; f. 1908; Dir. Dr. E. Jekelius.

Muzeul şi Biblioteca Pedagogica a Casei Scoalelor: Bucharest, Str. General Berthelot 30; f. 1909.

Muzeul Simu: Bucharest, Str. Biserica Amzei 5; f. 1910; collections of national and foreign paintings and sculptures; Dir. Marius Bunescu.

Muzeul Theodor Aman: Bucharest, Str. C. A. Rosetti 8; f. 1905; collection of paintings by Th. Aman; Dir. Al. Moscu.

Muzeul Toma Stelian: Bucharest, Şoseaua Kisseleff 8; f. 1925; fine arts; Dir. Prof. G. Oprescu.

Muzeul Zambaccian: Bucharest, Str. Muzeul Zambaccian 21; f. 1947; classical and contemporary Rumanian painters.

National Antiquities Museum: Bucharest, Str. I. C. Frimu 11; f. 1864; collections on prehistoric man, culture of the Dacians, Greek-Roman life and pre-feudal collections; Dir. Acad. Emil Condurache.

The Natural History Museum: Sibiu, Str. Kossuth 1; it has one of the richest collections of zoological and botanical exhibits in Rumania; exhibits of universal fauna and flora; affiliated with Bruckenthal Museum.

Oradea District Museum: Oradea, Str. Muzeului 2; f. 1872; exhibits relating to the ethnography and history of the region.

Peles Museum in Sinaia: Collection of world decorative art; Dir. V. Oprea.

Petroleum Museum: Ploesti; exhibits relating to petroleum working and history of refineries and development of the Rumanian petrochemical industries.

Pinacoteca Municipului Bucureşti: Bucharest, Bul. Ana Ipătescu 21; f. 1933; Dir. Teodor Buică.

Ploeşti Art Museum: Ploeşti, Str. Krupskaya 24; collections of the classical and contemporary plastic art of Rumania; Dir. Maria Crăiţaru.

Ploeşti History Museum: Ploeşti, Str. Balcescu 25; history and folk art collections.

Popular Art Museum of the R.S.R.: Bucharest, Calea Victoriei 107; an ethnographic museum portraying national and folk art, it contains collections showing clothing, occupations, trades, customs, etc. It contains a permanent historical record of folk art; special exhibitions, lectures, research work is carried out here as well as the publication of pamphlets and periodicals and the acquisition of works of art; Dir. T. Bănăţeanu.

Rumanian Literature Museum: Bucharest, Str. Kiseleff 10; Dir. Acad. D. Panaitescu-Perpessicius.

Sf. Gheorghe Regional Museum: Sf. Gheorghe; f. 1879; local archæological, ethnographical and natural history exhibits; modern Rumanian art.

Sighişoara Regional Museum: Sighişoara, Maior Isacov Str.; exhibits relating to the history of Sighişoara and region.

Frederic Storck and Cecilia Cutescu Storck Museum of Art: Bucharest, Str. Vasile Alecsandri 16; paintings by C. C. Storck and sculptures by F. Storck and their own art collections; also sculptures by Karl Storck and Carol Storck.

Suceava Regional Museum: Suceava Str. Florilor 2-4; exhibits relating to the history and natural history of the region; Dir. O. Monoranu.

Târgu-Mureş Art Museum: Târgu-Mureş, Piaţa Eroilor Sovietici 1; two galleries of Hungarian art of the 19th and 20th centuries and Rumanian contemporary art; Dir. A. Bordi.

Târgu-Mureş Regional Museum: Târgu-Mureş Autonomă Maghiară Region, Str. Horia 24; Dir. P. Dragoman.

Technical Museum "Prof. Ing. Leonida Dimitrie": Bucharest, Str. Candiano Popescu nr. 2; f. 1099; exhibits connected with mechanics, electricity, heat, telecommunications, hydraulics, power engines and chemistry; Dir. Dir. Ilie Dobrescu.

Timişoara Regional Museum: Timişoara, Castelul Hunyadi; important archæological, natural history, ethnographic and plastic art collections relating to the region; the art gallery also shows collections of Western art; Dir. M. Moga.

Turda Regional Museum: Turda, Palatul Banffi; historical and ethnographical exhibits.

Village Museum: Bucharest, Şoseaua Kiseleff 20; an ethnographic open-air museum, containing exhibits of folk art, including architecture, interiors of country dwelling houses, with farm buildings, technical machinery, etc., representing village life from 18th and 19th centuries, total of about 11,000 pieces; Dir. G. Focşa.

UNIVERSITIES AND COLLEGES

UNIVERSITATEA BUCUREŞTI

BUCHAREST,
BULEVARDUL 6 MARTIE 64

Telephone: 16. 01. 87.

Founded 1864.

Rector: G. Mihoc.
Pro-Rectors: B. Cazacu, G. Ciucu, Florica Niculescu-Dumitrescu.
Registrar: M. Serbanescu.
Librarian: M. Tomescu.

Number of teachers: 1,209.
Number of students: 11,200.
Publications: *Annals of Bucharest University, Acta Logica.*

DEANS:

Faculty of Philosophy: Prof. T. Bugnariu.
Faculty of History: Prof. G. Stefan.
Faculty of Rumanian Language and Literature: Prof. B. Cazacu.
Faculty of Slav Languages: (Vacant).
Faculty of Romance and Classical Languages: N. Condeescu.
Faculty of Germanic Languages: Ana Cartianu.
Faculty of Juridical Sciences: Prof. G. Rîpeanu.
Faculty of Mathematics and Mechanics: Prof. N. Teodorescu.
Faculty of Physics: T. Ionescu.
Faculty of Chemistry: Prof. E. Angelescu.
Faculty of Biology: Prof. N. Botnariuc.
Faculty of Geology and Geography: Prof. G. Răileanu.

PROFESSORS:

Faculty of Philosophy:
Banu, I., History of Philosophy
Berca, I., Methodics of Reading and Writing
Borgeanu, C., Dialectical and Historical Materialism
Bugnariu, T., Dialectical and Historical Materialism
Dinu, V., Scientific Socialism
Ionescu-Gulian, C., History of Philosophy
Joja, A., Logic
Nicută, C., Sociology
Stanciu, S., Pedagogy
Zapan, G., Psychology

Faculty of History:
Banyai, L., History
Berza, M., World History
Condurachi, E., Archæology
Damian, B., Palæography
Ionaşcu, I., Auxiliary Sciences
Maciu, V., Rumanian History
Nestor, I., History of the Primitive Commune and Foundations of Ethnology
Oţetea, A., General Medieval, Modern and Contemporary History
Pippide, D., World History
Sacerdoteanu, A., Auxiliary Sciences
Stefan, G., History of Rumania
Tudor, D., Archæology

Faculty of Rumanian Language and Literature:
Cazacu, B., Rumanian Language, Dialectology
Coteanu, I., Rumanian Contemporary Language
Graur, A., General Linguistics
Iosifescu, S., Theory of Literature
Macovescu, G., Theory of Literature
Pop, M., Literary Folklore
Rosetti, A., Rumanian Language, History of Language
Serban, R., History of Arts

Faculty of Slav Languages:
Novicov, M., History of Russian and Soviet Literature

Faculty of Romance and Classical Languages:
Balaci, A., History of Italian Literature
Barbu, N., Latin Language and Literature
Condeescu, N., French Language, History of Language
Facon, N., Italian Language and Literature

Faculty of Germanic Languages:
Cartianu, Ana, History of English Literature
Livescu, J., History of German Literature

Faculty of Juridical Sciences:
Diaconescu, G., Organisation of Judicial Instances
Geamănu, G., International Public Law
Ionaşcu, T., Constitutional Law
Oancea, I., Penal Law
Oprea, Z., Agricultural Law
Rîpeanu, G., Penal Law
Stănescu, V., Financial Law
Stoenescu, I., Financial Law
Takacs, L., International Law

Faculty of Mathematics and Mechanics:
Drîmbă, C., Astronomy
Froda, A., Algebra
Galbură, G. Algebra
Iacob C. Hydrodynamics and Theory of Elasticity
Marinescu G., Higher Mathematics
Mihăileanu, N., Geometry
Mihoc, G., Calculus of Probabilities
Moisil, G., Algebra
Neculce, M., Calculus of Probabilities
Nicolaescu, M., Differential and Integral Calculus
Popovici, A., Geometry
Teodorescu, N., Differential Equations
Vrinceanu, G., Differential Geometry

Faculty of Physics:
Bărbulescu, N., Molecular Physics
Brătescu, G., Optics and Electronics in Gases
Cioràscu, F., Electricity
Giurgea, Margareta, Spectroscopy
Hulubei, H., Structure of Matter
Ionescu, T., Electricity
Mihu, V., Molecular Physics
Nicolau, A., General Physics
Novacu, V., Theoretical Physics
Petrescu, G., Geophysics
Sanielevici, A., Radio-Activity
Ţiţeica, S., Thermodynamics

Faculty of Chemistry:
Angelescu, E., Organic Chemistry
Bărbulescu, F., Electrochemistry
Murgulescu, I., Physical Chemistry
Nicolescu, I., Technological Chemistry
Popa, G., Analytical Chemistry
Spacu, P., Inorganic Chemistry
Stan, Marta, General Chemistry
Vasiliu, G., Organic Chemistry

Faculty of Biology:
Antonescu, C., Hydrobiology
Bogoescu, C., General Zoology
Botnariuc, N., Biology
Codreanu, R., Zoology
Dornescu, T., Comparative Anatomy
Grossu, A., Zoology of Vertebrates
Ionescu, M., Entomology
Macovschi, E., Biochemistry
Murgoci, A., Ecology
Rebega, C., General Chemistry
Sălăgeanu, N., Plant Physiology
Santa, N., Animal Physiology
Savulescu, Olga, Phytopathology

STEFUREAC, T., Systematic Botany
STEOPOE, I., Histology and Embryology
Faculty of Geology and Geography:
BARBU, I., Palynology
CĂLINESCU, R., Biogeography
FILIPESCU, M., Palæontology
GIUŞCĂ, D., Petrography
GRIGORAŞ, N., General Prospecting
HERBST, C., Economic Geography
IANOVICI, V., Mineralogy
IANCU, M., Physical Geography
RĂILEANU, G., Geology

UNIVERSITATEA "BABEŞ-BOLYAI"

CLUJ, STR. M. KOGALNICEANU 1

Telephone: 2319.

Founded 1919.

Rector: Acad. Prof. C. DAICOVICIU.
Pro-Rectors: R. ALEXANDRU, I. DEMETER, N. LASCU, S. PETERFY, I. URSU.

Number of students: 7,243.
Publication: *Studia Universitatis "Babeş Bolyai".*

DEANS:

Faculty of Mathematics and Mechanics: G. CHIŞ.
Faculty of Physics: (Vacant).
Faculty of Chemistry: K. LADISLAU.
Faculty of Biology and Geography: M. TIBERIU.
Faculty of History and Philosophy: S. PASCU.
Faculty of Philology: M. ZACIU.
Faculty of Juridical Sciences: I. GLIGA.
Faculty of Economic Sciences: N. AUREL.

PROFESSORS:

Faculty of Mathematics and Mechanics:
CĂLUGĂREANU, G., Theory of Functions
CHIŞ, G., Astronomy
CSEKE, W., Economic Mathematics
IONESCU, D., Differential and Integral Equations
POPOVICI, T., Mathematical Analysis
Faculty of Physics:
DRAGAN, M., Quantic Theory of Fields
GABOS, Z., Theory of Elementary Particles
MARIAN, V., General Physics
MAXIM, I., Physics of Semi-Conductors
MERCEA, V., Atomic and Nuclear Physics
TIHAMER, L., Electronics in Gases
URSU, I., General Physics
Faculty of Chemistry:
ALEXA, V., Technological Chemistry
CĂDARIU, I., Physical Chemistry
FELSZEGY, E., Biochemistry
LITEANU, C., Analytical Chemistry
MACAROVICI, C., General Chemistry
POP, A., General Technological Chemistry
RIPAN, R., Inorganic Chemistry
SILBERG, A., Inorganic Chemistry
Faculty of Biology and Geography:
BALOGH, E., Mineralogy
BOGDAN, A., Economic Geography
CIOBANU, I., Plant Morphology
DEGAN, C., Comparative Anatomy
GHIŞA, E., Systematic Botany
LUCCA, V., Useful Ore Deposits
MARCU, O., General Zoology
MAXIM, O., Palæontology
MORARIU, T., Geomorphology
PETERFY, S., Plant Physiology
POP, E., Plant Physiology
POP, V., Vertebrate Zoology
PORA, E., Animal and Human Physiology
SOICOVICI, E., Mineralogy
VASILE, R., Invertebrate Zoology
Faculty of History and Philosophy:
CHIRCEV, ANATOLIE, Child Psychology
CSELENYI, A., Modern Rumanian History
DAICOVICIU, C., Ancient Rumanian History
DAN, M., Contemporary World History
DANCSULY, A., Pedagogics
GALL, E., Ethics
JOKO, S., Latin Palæography
LASCU, N., Ancient World History
MACREA, M., Ancient Rumanian History
PALL, F., Medieval World History
PASCU, S., Rumanian Medieval History
ROŞCA, A., History of Philosophy
ROZSA, E., History of Philosophy
TODORAN, D., Pedagogics
VĂTĂŞANU, V., History of Arts
ZORGO, B., General Psychology
Faculty of Philology:
BALOGH, E., Theory and Practice of Press
BUGNARIU, Z., History of Rumanian Literature
CSEHI, I., Theory of Literature
IANCSO, E., History of Hungarian Literature
JACQUIER, H., History of French Literature
KELEMEN, BELA, General Linguistics
MACREAM, D., Rumanian Language, History of Language
MARTON, GYULA, Hungarian Language, Dialectology
PĂTRUT, I., Comparative Grammar of Slavonic Languages
PERVAÎN, I., History of Rumanian Literature
PETROVICI, E., Slovistics
SZABO, A., Hungarian Language, Historical Grammar
Faculty of Law:
BIRO, L., Penal Law
CETERCHI, I., Theory of State and Law
CIMPEANU, V., Labour Law
DEMETER, I., Theory of Law
DRĂGAN, T., State Law
FEKETE, G., Civil Law
HANGA, V., Roman Law
IONASCU, A., Civil Law
PORUMB, G., Civil Law
TAKACS, L., International Public Law
Faculty of Economic Sciences:
CSAKANI, BELA, Finances
HANGA, V., History of National Economy
NEGREA, A., Political Economy
TOTH, I., Political Economy

UNIVERSITATEA "AL. I. CUZA" DIN IAŞI

IAŞI, CALEA 23 AUGUST

Founded 1860.

Rector: Prof. I. CREANGĂ.

Number of students: 5,776.

DEANS:

Faculty of Mathematics and Mechanics: G. GHEORGHIEV.
Faculty of Physics: C. MIHUL.
Faculty of Chemistry: V. ABABI.
Faculty of Biology and Geography: P. JITARIU.
Faculty of Philology: G. ISTRATE.
Faculty of History and Philosophy: (Vacant).
Faculty of Juridical Sciences: N. TAŢOMIR.
Faculty of Economic Sciences: V. NECULCE.

PROFESSORS:

Faculty of Mathematics and Mechanics:
BORS, C., General Mathematics
CLIMESCU, A., Modern Algebra
CREANGĂ, I., Algebra
GHEORGHIEV, G., Geometry
HAIMOVICI, A., Physico-Mathematical Equations
HAIMOVICI, M., Theory of Elasticity
POPA, I., Mathematical Analysis
Faculty of Physics:
CALINICENCO, N., Electricity
MIHUL, C., Molecular Spectroscopy
Faculty of Chemistry
ABABI, V., Organic Chemistry
ARVENTIEV, B., Organic Chemistry
BUDEANU, C., Organic Chemistry
PAPAFIL, MARIANA, General Chemistry
PONI, MARGARETA, Inorganic Chemistry
RALEA, R., Inorganic Chemistry
SCHNEIDER, A., Physical Chemistry
VĂSCĂUŢEANU, ELIZA, Bio-Chemistry
ZUGRĂVESCU, I., Organic Chemistry
Faculty of Biology and Geography:
CĂRĂUŞU, D., Physiology—Biology
CĂRĂUŞU, S., Hydrobiology
CONSTANTINEANU, M., Invertebrate Zoology
FEIDER, Z., Vertebrate Zoology
GUGUIMAN, I., Meteorology, Climatology
JITARIU, P., Physiology and Biology
MACAROVICI, N., Geology and Palæontology
NECRASOV, OLGA, Anthropology
PAPP, C., Botany
SANDRU, I., Economic Geography of the R.S.R.
Faculty of Philology:
CIOPRAGA, C., Rumanian Literature
DIMA, A., World Literature
GAFIŢEANU, D., Rumanian Language
ISTRATE, G., Rumanian Language
POPA, N., French Language and Literature
Faculty of History and Philosophy:
BIRSĂNESCU, S., Pedagogics
DAVIDSOHN, I., Pedagogics
GĂINĂ, S., Pedagogics
PAVELCU, V., Psychology
PETRESCU-DÎMBOVIŢĂ, M., Rumanian History
Faculty of Juridical Sciences:
BRAUNSTEIN, B., Penal Law
DEMETRESCU, P., Civil Law
JAVORSCHI, I., Civil Law
NEGRU, V., Civil Law
TAŢOMIR, N., International Public Law
Faculty of Economic Sciences:
COSMA, V., Political Economy
LOGHIN, A., Political Economy
NECULCE, V., Scientific Socialism
NICOLICIOU, C., Political Economy
ROŞU, E., Zootechnics
RUSU, D., Book-Keeping Theory

UNIVERSITATEA DIN TIMIŞOARA

TIMIŞOARA, B.-DUL. PIRVAN 4

Telephone: 12805.

Founded 1962.

Rector: Dr. I. CUREA.
Registrar: Dr. I. VOICAN.
Librarian: T. KNEZEVICH.

Number of teachers: 166.
Number of students: 1,692.
Faculties: Physics, Mathematics and Mechanics, Philology.
Publication: *Analele Universitatii Din Timişoara.*

TECHNOLOGICAL UNIVERSITIES

INSTITUTUL POLITEHNIC DIN BRAŞOV

BRAŞOV, STR. NICOLAE IORGA

Telephone: 5580.

Founded 1948.

Rector: V. HOFFMAN.

Pro-Rectors: M. UNTARU, I. DAMIAN.

DEANS:

Faculty of Mechanics: P. TUDORAN.
Faculty of Technology of Machine-Building: I. STĂNESCU.
Faculty of Forestry: C. COSTEA.
Faculty of Industrialisation of Wood: S. ALEXANDRU.

PROFESSORS:

Faculty of Mechanics:
COŞEREANU, I., Resistance of Materials
MĂDĂRESCU, R., Engines for Auto-Tractors
NIŢESCU, GH., Tractors and Vehicles on Tracks
REDLOV, T., Theoretical Mechanics
STIHI, E. E., Algebra and Mathematical Analysis

Faculty of Technology of Machine-Building:
CRIŞAN, S., Projection of Machine Tools
STĂNESCU, I., Projection of Mechanisms

Faculty of Forestry:
MORARIU, I., Botany
MUNREANU, S., Correction of Streams
NEGULESCU, E., Forestry and Protection of Forests
POPOVICI, T., Dendrology
RUCĂREANU, N., Arrangement of Forests
RUSSU, A., Topography, Geodesy, Photogrammetry

INSTITUTUL POLITEHNIC "GH. GHEORGHIU-DEJ"

BUCHAREST, CALEA GRIVITEI Nr. 132

Founded 1854.

Rector: Prof. C. DINCULESCU.

Pro-Rectors: G. BĂRĂNESCU, Conf. SUZANA GÎDEA, Prof. N. MARINESCU, C. PENESCU, R. VOINEA.

Number of students: 7,894.

Publication: *Scientific Bulletin of the Polytechnic Institute in Bucharest* (quarterly).

DEANS:

Faculty of Industrial Chemistry: E. BRATU.
Faculty of Electro-Technics: G. HORTOPAN.
Faculty of Energetics: G. DRĂGAN.
Faculty of Mechanics: L. STOICESCU.
Faculty of Agricultural Engineering: D. TUTUNARU.
Faculty of Metallurgy: F. OPREA.
Faculty of Electronics and Telecommunications: M. DRĂGĂNESCU.
Faculty of Transport: N. MANOLESCU.
Faculty of Technology of Machine-Building: E. BOTEZ.
Faculty of Technico-Economics: C. CHIULAI.

PROFESSORS:

Faculty of Industrial Chemistry:
ALBERT, F., General Chemistry
BRATU, E., Operations and Equipment
CIORĂNESCU, N. E., Chemistry and Technology, Pharmaceutical Products
COSTEANU, G., Physics, Chemistry
DRĂGULESCU, C., Inorganic Chemistry
IANU, A., Inorganic Chemistry
IONESCU, T., Chemical Technology
NENIŢESCU, C., Organic Chemistry
SOLACOLU, S., Physics-Chemistry of Silicates

Faculty of Electro-Technics:
APETREI, C., Theory and Projecting of Electric Machines
BOTEZ, M., Descriptive and Applied Geometry
CARAGHOERGHE, E., Mechanics
FRANSUA, A., Theory and Projecting of Electric Machines
POPESCU, A., Electric and Magnetic Machines
RĂDULEŢ, R., Basis of Electro-Technics
ROŞCULEŢ, M., Algebra, Mathematical Analysis
SARIAN, M., Mechanics
ŢIŢEICA, G., Mechanics

Faculty of Energetics:
AGÎRBICEANU, I., Physics
ANTONIU, S. I., Basis of Electro-Technics
BERCOVICI, M., Electric Networks and Systems
DINCULESCU, C., Thermo-electric Power Plants
DUMITRESCU, D., Basis of Hydraulics
GHEORGHIU, T. GH., Special Mathematics
PAVEL, D., Hydraulic Turbines and Hydro-Mechanic Equipment
PENESCU, C., Theoretic Basis of Automation
STĂNESCU, I., Industrial Thermo-energetics and Thermofication
SABAC, GH. I., Special Mathematics

Faculty of Mechanics:
ARAMĂ, C., Theory and Testing of Internal Combustion Engines
BĂRĂNESCU, G., Construction and calculation of Internal Combustion Engines
CARAFOLI, E., General Aerodynamics and Gasodynamics
GHEORGHIU, S., Steam Boilers
GHIULAI, C., Manufacturing Technology of Steam Boilers and Thermic Machines
GROSU, I., Calculation and Construction of Planes
GROSU, IZU, Rolling Stock Operating and Repairing
IONESCU, B. C., Special Mathematics
MANEA, G., Machine Organs
MITESCU, E., Economy, Organisation and Planification of Enterprises
MURGULESCU, ELENA, Analytical and Differential Geometry
POSTELNICESCU, M., Boilers and Fuels
SELEŞTEANU, A., Steam and Gas Turbines
STAMATESCU, C., Compressors and Refrigerating Plants
STOICESCU, L., Thermo-Technics, and Thermic Machines
TIPEI, N., Mechanics of Flying Machines and Missiles

Faculty of Agricultural Engineering:
RĂDOI, M., Mechanics
SĂULESCU, N., Agricultural, Agro-Phyto-Technics, Horticulture
STOENESCU, A., Mechanics
VOINEA, R., Mechanics

Faculty of Metallurgy:
BOLGIU, O., Crystallography, Mineralogy
DUMITRESCU, P., Equipment and Projecting of the Sector
GÎDEA, SUZANA, Physics-Metallurgy
MANTEA, S., Physics-Metallurgy
RĂU, A., Metallurgy of Steel
ROMAN, V., Scientific Socialism
STĂNESCU, D., Metallurgy of Cast Iron
VANCI, G., Preparation of Non-Ferrous Ores

Faculty of Electronics and Tele-Communications:
BIRCĂ GĂLĂŢEANU, D., Physics
CARTIANU, G., Basis of Radio-Technics
CONDREA, S., Basis of Wire Communications
DRĂGĂNESCU, M., Electronic Tubes, Transitors and Circuits
MARINESCU, N., Automatic Telephone Exchanges
NICOLAU, E., Electric and Electronic Measures
POSTELNICESCU, P., Telephonic Transmission Systems
SPĂTARU, A., Theory of Information Transmission

Faculty of Transport:
BĂDESCU, R., Special Mathematics; Higher Mathematics
GHIULAI, C., Motor-Vehicles
IONESCU., D. Railway Stations and Junctions
KREINDLER, O., Superior Mathematics
MANOLESCU, I. N., History of Mechanisms and Machines
POPOVICI, E., Repairing of Locomotives and Wagons
SUDAN, G., Mathematical Analysis
TUTUNARU, D., Theory of Mechanisms and Machines
ZĂGĂNESCU, I., Locomotives and Rail-cars with Internal Combustion Engines

Faculty of Technology of Machine Building:
BOTEZ, E., Projection of Machine-Tools
BUZDUGAN, G., Resistance of Materials
MITESCU, C., Resistance of Materials
PETROVICI, A., Technology of Materials

INSTITUTUL POLITEHNIC DIN CLUJ

CLUJ, STR. EMIL ISAC Nr. 15

Telephone: 4400-1699.

Founded 1948.

Rector: A. DOMSA.

Pro-Rectors: B. POPA, N. JUNCAN.

Number of students: 2,500.

Publication: *Scientific Bulletin of the Polytechnic Institute Cluj* (yearly).

DEANS:

Faculty of Mechanics: I. DRAGAN.
Faculty of Construction: A. NEGOIŢĂ.
Faculty of Electromechanics: L. MĂNDUC.

PROFESSORS:

Faculty of Mechanics:
DOMSA, A., Machine Tools and Metal-Working
LĂZĂRESCU, I., Theory of Metal-Cutting and Projection of Tools

Popa, B., Thermo-Technics and Thermal Machines
Ripianu, A., Theoretical Mechanics

Faculty of Construction:
Bal, L., Analysis and Algebra
Mihăilescu, M., Reinforced Concrete Constructions
Mitrofan, O., Topography
Negoiță, A., Civil Buildings

Faculty of Electro-Mechanics:
Măntuc, L., Electric Power Plants and Networks

INSTITUTUL POLITEHNIC DIN GALATI

GALATI, BUL. REPUBLICII Nr. 111
Telephone: 48.70-71.
Founded 1948.

Rector: I. Egri.
Pro-Rector: A. Costică.

Number of students: 1,310.

DEANS:

Faculty of Technology of Food Products and Fishing Techniques: D. Moțoc.
Faculty of Mechanics: M. Sgrumală.

PROFESSORS:

Faculty of Technology of Food Products and Fishing Techniques:
Bîrcă, Gh., Piscicultural Arrangements
Laurentiu, Inorganic Chemistry
Moțoc, D., Biochemistry, Microbiology
Moțoc, V., Technology of Sugar Production
Popovici, A., Technology of Manufacture of Fishing Tools

Faculty of Mechanics:
Beșchia, N., Resistance of Materials
Botez, M., Special Mathematics
Guțu, A., Machine Organs
Năstase, C., Calculation and Shipbuilding
Stamatescu, C., Theory, Calculation and Construction of Cooling Plants

INSTITUTUL POLITEHNIC "GHEORGHE ASACHI" DIN IAȘI

IAȘI, CALEA 23 AUGUST 13
Telephone: 14.75.
Founded 1937.

Rector: C. Simionescu.
Pro-Rectors: T. Golgoțiu, D. Rusu, A. Marchis.

Number of students: 3,661.
Publication: *Bulletin* (quarterly).

DEANS:

Faculty of Industrial Chemistry: Gh. Calistru.
Faculty of Construction: D. Atanasiu.
Faculty of Electro-Technics: D. Barbulescu.
Faculty of Hydro-Technics: D. Atanasiu.
Faculty of Light Industry: V. Copilu.

PROFESSORS:

Faculty of Industrial Chemistry:
Alexa, G., Chemistry of Raw and Auxiliary Materials used in the Industry of Leather and Leather Substitutes—advising professor
Calistru, C., Technology of Inorganic Substances
Cetrut, G., Technology of Nitrogen and Fertilizers
Curievici, I., Automation; Thermo-Technics
Diaconescu, V., Technology of Cellulose and Paper
Dima, M., Chemical Technology
Golgoțiu, T., Analytic Chemistry
Grindea, M., Technology of Dyeing and Dressing of Textiles
Marinescu, M., Equipment of Leather, Leather Substitutes and Tanning Materials Industry
Matei, I., Organic Chemistry
Savencu, S., Analytic Chemistry
Săveanu, T., Operations and Apparatus
Simionescu, C., Organic Technology

Faculty of Construction:
Atanasiu, I. D., Roads
Braniste, C., Building Materials
Chelărescu, A., Building Materials
Guștiuc, L., Amelioration Pedology
Munteanu, A. I. E., Metallic Constructions
Nichita, O., Technical Geology, Mineralogy
Sesan, A., Statics and Dynamics of Constructions

Faculty of Electro-Technics:
Boțan, N., Electro-Mechanical Controls
Climescu, A., Mathematical Analysis
Onu, C., Industrial Electronics
Oprișor, S., Electrical Part of Power Plants and Stations
Petrescu, V., Electrical and Magnetic Measures
Vasiliu, G., Basis of Electro-Technics

Faculty of Hydro-Technics
Băloiu, V., Erosion and Regulation of Water Courses
Blidaru, V., Irrigation, Draining
Buda, C., Power Machines and Pumping Stations
Ciobanu, G., Theoretical Mechanics
Mangeron, D., Theoretical Mechanics

Faculty of Light Industry:
Burlacu, G., General Chemistry
Rusu, D., Book-Keeping Evidence and Economic Analysis
Stefănescu, I., Weaving

Faculty of Mechanics:
d'Albon, G., Thermo-Technics
Calînicenco, N., Physics
Cașler, Gh., Machine-Tools
Farcaș, T., Technology of Materials
Gaiginschi, E., Theory and Testing of Internal Combustion Engines
Luca, E., Physics, Nuclear Physics
Mocanu, D., Resistance of Materials
Picoș, C., Technology of Machine Building
Popinceanu, N., Machine Organs

INSTITUTUL POLITEHNIC DIN TIMIOȘARA

TIMIȘOARA,
BUL. 30. DECEMBRIE Nr. 3
Founded 1920.

Rector: C. Avram.
Pro-Rectors: G. Silaș, A. Rogojan, I. Anton.

Number of students: 5,200.
Publication: *Technical and Scientific Bulletin of the Polytechnic Institute-Timișoara* (half-yearly).

DEANS:

Faculty of Mechanics: V. Gheorghiu.
Faculty of Electro-Technics: T. Dordea.
Faculty of Construction: D. Mateescu.
Faculty of Industrial Chemistry: Z. Gropșanu.
Faculty of Agricultural Engineering: N. Boboescu.

PROFESSORS:

Faculty of Mechancis:
Anton, I., Hydraulic Turbines and Turbo-Transmissions
Bardan, V., Thermo-Technics and Thermo-Technical Plants in Agriculture
Berindean, V., Theory of Internal Combustion Engines
Didu, N., Technology of Materials
Gheorghiu, V., Mechanics of Fluids and Hydraulics
Lupescu, I., Machine Organs
Mateescu, D., Calculus and Technology of Welded Constructions
Nanu, A., Technology of Materials
Nădășan, S., Resistance of Materials
Popovici, V., Equipment for Electric Welding
Savii, G., Technology of Machine Building
Vladea, I., Thermo-Technics
Zăgănescu, I., Diesel Locomotives

Faculty of Electro-Technics:
Arghiride, E., Special Mathematics
Brașoveanu, M., Electro-Mechanic Controls
Dordea, T., Electrical Machines
Rogojan, A., Numerical Electronic Computers
Sora, C., Basis of Electro-Technics

Faculty of Construction:
Avram, C., Reinforced Concrete
Cișman, A., Physics
Gheorghiu, O., Special Mathematics
Gheorghiu, V, Hydraulics
Lamoth, P., Physics
Mateescu, D., Metallic Constructions and Technology of Welding
Mioc, V., Mathematical Analysis
Porumb, N., Civil Buildings
Silas, G., Theoretical Mechanics

Faculty of Industrial Chemistry:
Cocheci, V., General Chemical Technology
Dick, I., Technology of Pharmaceutical Products
Drăgulescu, C., Inorganic Chemistry
Fasko, Gh., General Electro-Chemistry
Gropșanu, Z., Operations and Equipment in Chemical Industry
Nanu, I., Chemistry of Macro-Molecular Compounds
Ostrogovich, G., Organic Chemistry
Sauciuc, L., Organic Chemistry

OTHER INSTITUTES OF HIGHER EDUCATION

Agronomic Institute "Dr. Petru Groza": Cluj, Str. Mănăstur Nr. 3; f. 1910; faculties of agriculture and veterinary medicine; 1,418 students; Rector Prof. Ing. E. NEGRIŢIU; publs. *Lucrări ştiintifice-seria Agricultură* and *Lucrări stiintifice-seria Medicină-Veterinară şi Zootehnie* (yearly).

Agronomic Institute "Tudor Vladimirescu": Craiova, Str. A. I. Cuza 32; f. 1948; faculties of agriculture and agricultural mechanics; 1,713 students; Dir. A. BUIA.

Agronomic Institute "Ion Ionescu de la Brad": Iaşi, Aleea Mihail Sadoveanu Nr. 3; f. 1908; faculties of agriculture, horticulture, veterinary medicine; 1,800 students; Dir. C. PÎNTEA.

Agronomic Institute: Timisoara, Piata Unirii 1; f. 1941; faculties of agronomy and veterinary medicine; 1,330 students; Rector Prof. I. DRACEA.

Agronomic Institute "N. Balcescu": Bucharest, Bul. Mărăsti Nr. 59; f. 1854; faculties of agriculture, horticulture, veterinary medicine; 3,400 students; Rector E. RĂDULESCU.

Building Institute: Bucharest, Bul. Republicii 176; f. 1948; faculties of building, installations and equipment, hydrotechnics, roads and bridges, railway buildings; 4,500 students; Rector Prof. Eng. V. NICOLAU.

Fine Arts Institute "I. Andreescu": Cluj, Str. Matei Corvin Nr. 6; faculties of fine arts and decorative art; 188 students; Rector. D. POPESCU.

Fine Arts Institute "N. Grigorescu": Bucharest, Str. Gl. Budisteanu Nr. 19; faculties of fine arts and decorative art; 400 students; Rector C. IOANID.

Institute of Economic Sciences "V. I. Lenin": Bucharest, Piaţa M. Eminescu Nr. 6; f. 1913; faculties of political economy, finance and credit, commerce; 8,000 students; Rector Prof. M. LUPU; publ. *Economic Studies and Research.*

"Ion Mincu" Institute of Architecture: Bucharest, Str. Biserica Enei Nr. 3; f. 1904; 1,200 students; 45,000 books; Rector Prof. Arch. A. DAMIAN; Dean Lect. Arch. T. BENEDEK; Librarian G. VRABIE; publ. *Studii şi Proiecte.*

Medical Institute: Timişoara; f. 1945; faculty of general medicine, pediatrics, stomatology; 986 students; Rector Dr. P. BRNÎZEU.

Medico-Pharmaceutical Institute: Bucharest, 37 str. Dionisie Lupu; f. 1857; faculties of general medicine, stomatology, pharmacy, pediatrics, improvement and specialisation; 3,959 students; Rector T. BURGHELE.

Medico-Pharmaceutical Institute: Cluj, Piaţa Libertatii 10; f. 1919; faculties of general medicine, stomatology, pharmacy; 2,312 students; Rector A. MOGA.

Medico-Pharmaceutical Institute: Iaşi, Str. Universităţii 16; f. 1879; faculties of medicine and pharmacy; 1,000 students; Rector O. FRANCHE.

Medico-Pharmaceutical Institute: Târgu-Mureş; f. 1945; faculties of general medicine (including pediatrics and stomatology), pharmacy; 998 students; Rector Prof. Dr. L. CSÖGÖR.

Mining Institute: Petroşani, Str. Institutului 20; f. 1948; faculties of mining, mining electromechanics; 1,700 students; Rector A. POPA.

Music Conservatoire "Ciprian Porumbesct": Bucharest, Str. Stirbey Vodă Nr. 33; f. 1864; facilities of instrumentation, singing, composition, pedagogy; 752 students; library of 65,000 vols.; Rector V. GIULEANU; Pro-Rector S. ANTROPOV; Dean Prof. G. MANOLIU.

Music Conservatoire "Gh. Dima": Cluj, Str. Corvin; faculties in instrumentation, singing, composition, pedagogy; 426 students; Rector Dr. S. TODUŢA.

Music Conservatoire "George Enescu": Iaşi, Str. Cuza Vodă; f. 1860, renamed 1960; faculties of instrumentation and singing, composition, conducting and musical pedagogy; 275 students; Rector A. STOIA.

Pedagogic Institute: Braşov, Str. Karl Marx 48; f. 1960; faculties of mathematics, physics-chemistry, natural sciences; 528 students; Rector E. CHIŠ.

Pedagogic Institute: Bucharest, Şos. Panduri Nr. 90; f. 1959; faculties of philology, mathematics, physics and chemistry, history and geography, natural sciences, fine arts, physical culture, music; 1,956 students; Rector M. ANGHEL.

Pedagogic Institute: Cluj, Str. Stefan Cel Mare, 4; f. 1959; faculties of philology, mathematics, physics-chemistry, geography, history, natural sciences, physical culture, music; 2,800 students; Rector I. CIOBANU.

Pedagogic Institute: Craiova, Calea Bucureşti 63; f. 1959; faculties of philology, mathematics, physics-chemistry, natural sciences, history-geography; 1,367 students; Rector N. POPESCU.

Pedagogic Institute: Galaţi, Str. Dobrogeanu Gherea, 27; f. 1959; faculties of philology, natural sciences, mathematics, physics-chemistry; 692 students; Dir. D. BUJOREANU.

Pedagogic Institute: Iaşi, Str. Culturii 3; f. 1959; faculties of philology, mathematics, physics-chemistry, natural sciences, fine arts, physical culture; 2,707 students; Rector Prof. Dr. I. POPA.

Pedagogic Institute: Timişoara, Splaiul Tudor Vladimirescu 10; f. 1959; faculties of philology, mathematics, physics-chemistry, natural sciences, history-geography, fine arts, physical culture, music; 866 students; Dir. V. ARDELEANU.

Pedagogic Institute: Târgu-Mureş, Str. Nicolae Iorga 1; f. 1960; faculties of philology, physics-chemistry, mathematics, music; 373 students; Dir. S. MARGARETA.

Petroleum, Gas and Geology Institute: Bucharest, Str. Traian Vuia, Nr. 6; f. 1948; faculties of oil and gas technology, exploitation of oil and gas fields, oil industry equipment, technical geology; 1,750 students; Rector Acad. Prof. Dr. N. PETRULIAN.

Physical Culture Institute: Bucharest, Str. Maior Ene Nr. 12; f. 1922; 925 students; Rector I. SICLOVAN; Pro-Rector A. SABIN.

Theatre and Film Institute "I. L. Caragiale": Bucharest, Bul Schitu Măgureanu Nr. 1; f. 1864; 285 students; Rector C. ANTONIU.

Theatrical Art Institute "Szentgyörgyi Istvan": Târgu-Mureş, Str. Köteles Samuel Nr. 6; f. 1948; 46 students; Dr. L. SZABO.

RWANDA

Population 3,000,000

RESEARCH INSTITUTES

Institut des Sciences Agronomiques du Rwanda—I.S.A.R.: B.P. 138, Butare; f. 1932; 750 personnel; four centres:

Rubona: living plants, economic plants (coffee, tobacco, etc.), zootechnics and agronomy.

Songa: zootechnics.

Rwerere: high-altitude cultures (tea, wheat), zootechnics.

Karama: zootechnics, agricultural planning, hydroclimatology.

Laboratoire de Butare: Butare; medical research, particularly virus diseases.

UNIVERSITY

UNIVERSITÉ NATIONALE DU RWANDA
B.P. 117, BUTARE

Founded May 1963, opened November 1963

Rector: T.R.P. GEORGES-HENRI LÉVESQUE, O.P.
Secretary-General: R.P. JOURDAIN-PIERRE CRÉPEAU, O.P.
Students' Counsellor: T.R.P. BERTRAND BÉLANGER, O.P.
Administrator: ANDRÉ DUTRISAC.
Director of Personnel: CLÉMENT TRIHEY.
Librarian: ALBERT LÉVESQUE.

Library of 5,000 volumes.
Number of teachers: 52.
Number of students: 100.

Publications (projected): *Cahiers Universitaires, Revue Universitaire.*

DEANS:

Faculty of Medicine: FRANÇOIS-XAVIER VANDERICK.
Faculty of Letters: ANDRÉ CANDAU.
Faculty of Social Sciences: (Vacant).
Faculty of Education: (Vacant).

PROFESSORS:

ADRIAENSSENS, R.P.
ALTMAN, GABRIEL.
AUGER, R.P.
BOEGLIN, MÉDARD.
BOIS, PIERRE.
BONIN, PIERRE.
COUPEZ, ANDRÉ (visiting).
D'HERTEFELT, MARCEL.
DEL PERUGIA, PAUL.
DEL PERUGIA, Mde. PAUL.
DEUSE, PAUL.
DUGUAY, GILLES.
JOCAS, YVES.
LANGIE, Dr. STEPHEN.
LESSARD, M. V.
MANNAERTS, Dr. WILLY.
MARITA, UENTEN.
PERREAULT, M.
PRUCHE, R.P. BENOIT.
SLEDSENS, GÉRARD.
VAN BALEN, Dr. HENRI.
VAN DE VELDE, M. J.

RYUKYU ISLANDS

Population 931,000

(OKINAWA AND OTHER GROUPS OF N.W. PACIFIC ISLANDS)

LIBRARIES

Government of the Ryukyus Central Library: Central Library Building, Naha; f. 1950; 30,000 vols.; central deposit library.

Shikiya Memorial Library: University of the Ryukyus, Naha; f. 1950; 120,000 vols.; 700 periodicals; most of the books are in Japanese, but also a large collection in Ryukyuana.

Okinawa University Library: Naha; f. 1961; 18,000 vols., mostly in Japanese.

Naha Cultural Centre Library: Naha; public library; 20,000 vols.

UNIVERSITIES

OKINAWA UNIVERSITY

KOKUBA, NAHA CITY

Founded 1961

Number of teachers: 71 (28 full-time).
Number of students: 1,067.

KOKUSAI UNIVERSITY

YAMAZATO, KOZA CITY

Number of teachers: 49 (21 full-time).
Number of students: 536.

UNIVERSITY OF THE RYUKYUS

1, 3-CHOME, TONOKURA-CHO,
NAHA, OKINAWA

Telephone: 8-1131

Founded 1950

President: Matsusuke Yonamine.
Registrar: Seimo Nakayama.
Librarian: Seizen Nakasone.

Number of teachers: 168 full-time, 45 part-time.
Number of students: 2,800.
Library of 91,062 vols.

Deans:

Faculty of Arts and Science: Kosei Akamine.
Faculty of Education: Yukou Yamada.
Faculty of Agriculture, Home Economics and Engineering: Kunikichi Higoshi.

Professors:

Adaniya, Seigi (Fine Arts).
Akamine, Kosei (Geography).
Akamine, Yoshinobu (Law and Political Science).
Arakaki, Giichi (Physics).
Asato, Hikonori (Education).
Ashimine, Kinsei (Fine Arts).
Chinzei, Tadashige (Agriculture).
Higoshi, Kunikichi (Animal Husbandry).
Hokama, Seisho (English Language and Literature).
Kamegawa, Seito (English Language and Literature).
Kobashigawa, Hiroshi (Physical Education).
Kuba, Masahiko (Economics).
Nakamura, Tatsundo (Japanese Literature).
Nakasone, Seizen (Japanese Literature).
Nakayama, Seimo (History).
Onaga, Kimiyo (Home Economics).
Onaga, Toshiro (English Language and Literature).
Oyama, Hohyo (Forestry).
Shimabukuro, Matsugoro (Mathematics).
Shimabukuro, Shunichi (Agriculture).
Shinjo, Toshihiko (Law and Political Science).
Shinogara, Shiro (Biology).
Taira, Buntaro (English Language and Literature).
Takara, Kiyomatsu (Agriculture).
Takara, Tetsuo (Agriculture).
Teruya, Shogi (English Language and Literature).
Toma, Shitoku (Chemistry).
Tomimura, Shinen (History).
Yamada, Yukou (Education).

SAUDI ARABIA

Population 6,000,000

LEARNED AND SCIENTIFIC SOCIETIES

Arab Archaeological Society, The: Mecca.

Society of Esaff Alkhairia: Mecca; f. 1946; Pres. H.E. Sheikh MUHAMMAD SAROUR AL-SABBAN; Hon. Sec. Sheikh AHMED SIBAI.

United States Cultural Center: Jeddah; f. 1964.

LIBRARIES

Abbas Kattan Library: Mecca; 7,800 vols.; 200 MSS.

Arif Hikmat Library: Medina; 1,500 vols., 4,500 MSS.

Dar al Kitab: Riyadh; run by the Ministry of Education; 5,400 vols., 50 MSS.

Educational Library: General Directorate of Broadcasting, Press and Publications, Jeddah.

Library of Alharam: Mecca; 6,000 vols.

Library of Islamic University: Medina.

Library of University of Riyadh: Riyadh; 65,000 vols., 253 periodicals; Librarian MOHAMED AL-SOLAI.

Library of Madrasat Ahl Al Hadith: Mecca.

Library of Mecca: Mecca.

Mahmoudia Library: Medina; 4,500 vols.; 500 MSS.

Ministry of Education Library: Riyadh.

The Saudi Library: Riyadh; 14,800 vols., 200 MSS.

There are also public libraries at Ahsaa, Dammam, Buraida Onaiza, Shakra, Hawdit and Sidair.

UNIVERSITIES

UNIVERSITY OF RIYADH

RIYADH

Founded 1957.

King Sa'ud inaugurated the new University, which developed from the former Riyadh Institute (f. 1951), in November 1957.

Vice-Rector: Dr. ABDEL AZIZ KHOWAITER.

Chief Administrative Officer: ABDALLAH AL NAIEM.

Librarian: MOHAMED AL-SOLAI.

Number of teachers (1965-66): 106.
Number of students (1965-66): 1,032.

DEANS:

Faculty of Letters: Dr. EZZAT EL-NUS (acting).

Faculty of Science: Dr. RIDA OBEID.

Faculty of Commerce: HUSSEIN AL-SAYYID (acting).

Faculty of Pharmacy: Dr. ABD EL AZIZ ABDEL RAHMAN (acting).

ISLAMIC UNIVERSITY

MEDINA

Founded 1961

Courses in Islamic studies, Arabic Literature, Comparative Study of Religions, English and French Languages; 400 students.

KING ABDULAZIZ PRIVATE UNIVERSITY

P.O. BOX 1540, JEDDAH

Telephone: 5421

In course of foundation, to open in 1967.

Chancellor: H.M. King FAISAL BIN ABDULAZIZ.

Vice-Chancellors: H.E. HASSAN AL ALSHIEKH and H.E. AHMAD SHATA.

Secretary-General: MOHSIN AHMED BAROUM.

INSTITUTES OF HIGHER LEARNING

Higher Institute of Technology: Riyadh; founded 1962 with the help of the UN Special Fund; to train engineers, teachers and technicians; also to establish a technical terminology in Arabic; Depts. of Civil, Electrical and Mechanical Engineering; number of students 1,000.

King Abdul-Aziz Military Academy: Riyadh; f. 1955; courses given in modern languages, including English, French and Hebrew, science and military subjects.

College for the Arabic Language: Riyadh; f. 1955.

College of Islamic Jurisprudence: Riyadh.

College of Petroleum and Minerals: Dhahran; f. 1964; independent college, administratively connected to the Ministry of Petroleum and Mineral Resources.

Madrasat Ahl Al Hadith: Mecca; f. 1933; the College provides instruction in the Hadith, Koran, Fiqh, Tawheed and other Islamic religious studies; Principal Sheikh ABUSSUMH; Vice-Principal Sheikh MUHAMMAD ABDUL RAZZAQ; Sec. MUHAMMAD OMAR ABDULHADI; Treas. ISHAQ DEHLAWI.

Saudi Arabian Institute for Higher Education: Mecca.

School of Applied Arts: Medina; f. 1955; approx. 150 students.

Shari'a College of Islamic Jurisprudence: Mecca; f. 1942; Islamic jurisprudence and theology, Arabic, English, etc.; 250 students.

Teacher Training Centre: Medina; f. 1955; an evening school consisting of a three-year special course in basic education and psychology; approx. 100 students.

Technical Institute: Er-Rïd; f. 1964; 1,000 students.

Schools of Industrial Education: Riyadh, Jiddah, Medina and Dammam.

Institutes for Religious Teaching: Riyadh, Shaqra, Buraidah, 'Unaizah, al Majma'ah, al-Hasa and Hijaz.

SENEGAL

Population 2,973,000

LEARNED SOCIETIES

Alliance Française: Dakar.

Centre d'Etudes et de Documentation Législatives Africaines (C.E.D.L.A.): Dakar.

Institut Géographique National de Paris (West Africa branch): B.P. 4016, Dakar-Hann.

U.S. Information Center: 38 avenue de la République, Dakar.

RESEARCH INSTITUTES

Centre de Géophysique: M'Bour; attached to ORSTOM; studies in magnetism, gravimetry, seismology.

Centre de Recherches Pédologiques de Dakar-Hann: B.P. 1386, Dakar; attached to ORSTOM; studies in microbiology, chemistry, general pedology.

Centre National de la Recherche Agronomique de Bambey: Bambey; f. 1950; fundamental and applied research; Dir. L. SAUGER.

Compagnie Française pour le Développement des Fibres Textiles (CFDT): B.P. 3216, Dakar.

Institute d'Elevage et de Médecine Vétérinaire des Pays: Tropicaux (IEMVPT): B.P. 2057, Dakar.

Institut d'Hygiène Sociale: Dakar.

Institut Français d'Afrique Noire (*French Institute of Black Africa*): Université de Dakar, B.P. 206, Dakar; f. 1936, re-constituted 1959; scientific and humanist studies of Black Africa; Dir. Prof. VINCENT MONTEIL; publs. *Bulletin de l'I.F.A.N.*, Serie A—Sciences Naturelles (trimestriel), Serie B—Sciences Humaines (semestriel), *Notes Africains* (trimestriel), *Mémoires, Catalogues, Initiations Africaines, Instructions Sommaires.* For library, *see* below.

Institut de Recherches pour les Huiles Oléagineuses: branches at Louga, Tivaouane, M'Bambey.

Institut Pasteur: Dakar.

Laboratoire National de Recherches Vétérinaires: B.P. 2057, Dakar; f. 1935; six departments; library of 8,699 vols.; Dir. J. ORUE.

Office de la Recherche Scientifique et Technique Outre-Mer (ORSTOM): B.P. 1386, Dakar; br. at M'Bour.

Organisme de Recherches sur l'Alimentation et la Nutrition Africaines (ORANA): 39 Avenue Pasteur, B.P. 2089, Dakar; research on African foods and nutritional values, investigations, documentation, teaching; Dir. Dr. J. TOURY.

Station de Recherches Zootechniques du Djoloff: Dara.

LIBRARIES

Archives de Sénégal: Immeuble administratif, Av. Roume, Dakar; f. 1913; includes library; Dir. J. F. MAUREL; publ. *Bulletin Bibliographique* (quarterly).

Bibliothèque de l'Institut Français d'Afrique Noire (*Library of the French Institute of Black Africa*): Dakar; 49,000 vols. or brochures, 3,560 collections of periodicals, 1,000 microfilms, maps and 40,000 photographs.

Bibliothèque de l'Alliance Française: Maison des Anciens Combattants, Avenue Mozart, Dakar.

Bibliothèque de l'Université: B.P. 2006, Dakar; 129,658 vols., 3,507 periodicals; Chief Librarian JEAN ROUSSET DE PINA.

MUSEUMS

Musées de l'Institut Français d'Afrique Noire:

- **Musée de Dakar:** Dakar; ethnography.
- **Musée Historique:** Gorée.
- **Musée de la Mer:** Gorée.

UNIVERSITY

UNIVERSITÉ DE DAKAR

(University of Dakar)

FANN PARC

Telephone: 329-76

Rector: Prof. Dr. CLAUDE FRANCK.
Secretary-General: LÉON BRUNEL.

Number of students: 1,859 men, 431 women, total 2,290.

Publications (periodical): *Annales Africaines* (annual), *Annales de la Faculté des Sciences* (annual), *Bulletin et Mémoires de la Faculté mixte de Médecine et de Pharmacie* (annual).

DEANS:

Faculty of Law and Economic Sciences: ROGER DECOTTIGNIES.
Faculty of Medicine and Pharmacy: MAURICE PAYET.
Faculty of Science: HENRI MASSON.
Faculty of Letters and Human Sciences: PIERRE NARDIN.

PROFESSORS:

Faculty of Law and Economic Sciences:

ALZON, CLAUDE (History of Law).
BRUYAS, J. (Public Law).
CHABAS, J. (Commercial Law).
DECOTTIGNIES, R. (Civil Law).
DUFOUR, J. (Political Economy).
GAUTRON, JEAN CLAUD (Public Law).
GOBERT, MICHÈLE (Civil Law).
LAVROFF, DIMITRI (Public Law).
LEDUC, MICHEL (Political Economy).
LE GOHEREL, HENRI (History of Law).
PEISER, GUSTAVE (Public Law).
PIEDELIEVRE, ALAIN (Private Law).
WADE, ABDOULAYE (Political Economy).

Faculty of Medicine and Pharmacy:

MEDICINE:

BASSET, A. (Clinical Dermatology).
BAYLET, RENÉ (Hygiene).
BERT, JACQUES (Experimental Medicine).
BOIRÓN, HENRI (Bacteriology).
BRESSON, YVES (Biophysics).
CAMIN, R. (Histology and Embryology).
CHABAL, J. (Surgical Pathology).
COLLOMB, H. (Clinical Neuro-Psychiatry).
CORREA, PAUL (Obstetrics).
DIOUF, BADARA ALIOUNÉ (General Surgery).
FUSTEC, ROBERT (Orthopædics).
GIONO, H. (Pharmacology).
HOCQUET, PAUL (Parasitology).
JOSSELIN, JACQUES (Biochemistry).

LAFFONT, JACQUES (Anatomy).
LARIVIÈRE, M. (Parasitology).
LE CANNELIER, RICHARD (Obstetrics).
LINHARD, JACQUES (Hematology).
MASSEYEFF, RENE (Medical Biochemistry).
MAZER, ANDRÉ (Physiology).
PAYET, M. (Clinical Medicine).
PENE, P. (Pathological Medicine).
QUENUM, ALFRED (Histology, Embryology).
QUENUM, CYPRIEN (Pathological Anatomy).
QUERE, MAURICE (Ophthalmology).
REY, M. (Infectious Diseases).
REYNAUD, J. (Clinical Oto-Rhino-Laryngology).
RICHIR, C. (Pathological Anatomy).
SANKALE, MARC (Clinical Medicine).
SATGE, P. (Clinical Child Medicine).
SERAFINO, XAVIER (Clinical Surgery).
TOSSOU, HENRI (Clinical Medicine).

PHARMACY:

ATTISSO, M. (Zoology).
CESAIRE, O. (Organic Chemistry).
DENIEL, P. L. (Pharmaceutical Physics).
KERNARD, J. (Botany).
PILLE, G. (Mineral Chemistry).

Faculty of Science:

BODAR, MARCEL (Vegetable Biology).
BOISSON, C. (Zoology).
BONNEMAN, P. (Chemistry).
BOUDET, ROGER (Chemistry).
BROCHE, ANDRÉ (Chemistry).
CACHAN, ANDRÉ (Zoology).
CHAMBARD, LUCIEN (Mathematics).
DUCHER, SUZANNE (Chemistry).
ELOUARD, PIERRE (Geology).
FAURE, R. (Mathematics).
GODET, RENÉ (Animal Biology).
MARCHAND, H. (Differential and Integral Calculus).
MASSON, HENRI (Physics).
MIÈGE, JACQUES (Botany).
MONOD, T. (Zoology).
PARES, YVETTE (Vegetable Biology).
RAFFIN, R. (Rational Mechanics).
ROBIN, JEAN (Physics).
ROBIN, SONJA (Physics).
SALVADOR, ODETTE (Physics).
SOUGY, JEAN (Geology).
TESSIER, F. (Geology).

Faculty of Letters and Human Sciences:

COURTES, J. (Latin).
DAVEAU, S. (Geography).
DEBIEN, G. (Modern History).
DEVISSE, J. (History of the Middle Ages).
DURAND, R. (Spanish Studies).
FOUGEYROLLAS, M. (Social Psychology).
MANESSY, G. (African Linguistics).
MANESSY, JACQUELINE (Grammar and Philology).
MERCIER, R. (French Literature).
MONTEIL, V. (Islamic Studies).
MORAL, PAUL (Human Geography).
NARDIN, P. (French Philology).
ORTIGUES, EDMOND (Philosophy).
POLLET, M. (English Studies).
PELISSIER, P. (Geography).
THOMAS, L. (Sociology).

AFFILIATED INSTITUTES:

Institut d'Etudes Administratives Africaines: Dir. JEAN-CLAUDE GOTRON.

Institut de Promotion Economique et Sociale de l'Afrique Noire: Dir. JEAN DUFOUR.

Institut d'Etudes Islamiques: Dir. Prof. V. MONTEIL.

Institut d'Etudes Pedagogiques: Dir. PIERRE FOUGEY-ROLLAS.

Centre de Recherches d'Etudes et de Documentation sur les Institutions et la Législation Africaines: Dir. Prof. DIMITRI LAVOROFF.

Institut de Médecine Tropicale Appliquée: Dir. Prof. PAYET.

Institut Français d'Afrique Noire (*see under* Research Institutes.)

Instituts de Préparation aux Enseignements du Second Degré: Dir. ROGER MERCIER.

Institut de Pédiatrie Sociale: Dir. PIERRE SATGE.

Institut de Physique Météorologique: Dir. HENRI MASSON.

Institut de Luttre Conte le Cancer: Dir. XAVIER SERAFINO.

Regional Centre for the Training of Librarians: f. 1963; students from 18 French-speaking countries in Africa to train as librarians; courses 8-12 months; Dir. LOUIS SÉGUIN.

COLLEGES

Centre d'Apprentissage: Dakar, B.P. 4004, Route du Canal IV.

Collège Experimental de Formation Professionelle Rapide: Dakar, km. 2 route de Ouakam.

Conservatoire de Musique et d'Art Dramatique de Dakar: Dakar, 26 rue Raffenel, B.P. 1144.

Ecole Nationale des Cadres Ruraux: Bambey.

Ecole Nationale des Travaux Publics: Dakar, B.P. 4004, Route du Canal IV.

Lycée Technique de Dakar: Dakar, B.P. 4004, Route du Canal IV.

SIERRA LEONE

Population 2,183,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council, The: Government Avenue, P.O. Box 124, Freetown; Rep. J. SANDERSON; br. at Bo: Regional Dir. C. T. DE LINDE.

Marine Biology Research Station: University College of Sierra Leone, Kissy, nr. Freetown; undertakes research for the fishing industry in association with the Fisheries Division of the Ministry of Natural Resources.

Sierra Leone Science Association: c/o Geology Department, University College of Sierra Leone, Freetown; Pres. M. M. ANDERSON; Hon. Sec. Dr. H. E. B. LE'JOHN.

Sierra Leone Society: c/o Fourah Bay College, Freetown, literature, arts, music; publ. *Sierra Leone Studies.*

U.S. Information Center: 8 Trelawney Street, Freetown.

West African Rice Research Station: Rokupr; the research programme includes fundamental studies into fertility and other chemical and micro-biological problems of swamp soils, the physiology of the rice plant, and the breeding of improved strains of rice for all West African conditions; Dir. H. D. JORDAN, O.B.E.

West African Science Association: c/o Geology Department, University College of Sierra Leone, Freetown; covers Ghana, Nigeria, Sierra Leone and Gambia; Pres. Dr. D. S. H. W. NICOL; Hon. Sec. M. M. ANDERSON.

LIBRARIES AND MUSEUM

Fourah Bay College Library: Freetown; 28,000 vols.; Librarian M. JOLIFFE, M.A., F.L.A.

J. J. Thomas Library: Water Street, Freetown; 19,000 vols.

Sierra Leone Library Board: P.O. Box 326, Freetown; 72,000 vols.; libraries at Freetown, Bo, Magburaka, Makeni, Port Loko, Kambia, Pujehun, Kailahun, Kenema, Kabala, Bonthe, Mattru.

Sierra Leone Museum: Cotton Tree Building, Freetown; historical, ethnographical and archaeological collection; Curator JANET L. STONE.

UNIVERSITY COLLEGES

FOURAH BAY COLLEGE
(The University College of Sierra Leone)

P.O. BOX 87, FREETOWN, SIERRA LEONE

Telephone: Freetown 3400-9.

Telegraphic Address: Fourabay.

Founded by the Church Missionary Society in 1827, it was affiliated to the University of Durham in 1876. The College received its Charter of Incorporation as the University College of Sierra Leone in 1960 and is now non-denominational. The College will form the principal part of the projected University of Sierra Leone.

Visitor: H.M. THE QUEEN.
President: Most Rev. and Rt. Hon. Dr. A. M. RAMSEY, P.C.
Principal: D. S. H. W. NICOL, C.M.G., M.A., M.D., PH.D., HON.D.SC.
Vice-Principal: Rev. H. A. E. SAWYERR, C.B.E., M.A., M.ED.
Registrar: M. R. O. GARBER, B.A., B.C.L., LL.B.
Bursar: G. A. P. HAMILTON.
Librarian: M. JOLIFFE, B.A., F.L.A.

The library contains 51,000 vols.
Number of teachers: 95.
Number of students: 560.

DEANS:

Faculty of Arts: E. J. A. WILLIAMS, PH.D.
Faculty of Economic Studies: J. H. DAVIES, M.A.
Faculty of Pure and Applied Science: M. M. ANDERSON, B.SC.

HEADS OF DEPARTMENTS:

Accounting: E. B. MCINTEE.
Botany: J. K. MORTON, PH.D. (Professor).
Chemistry: S. R. LANDOR, PH.D. (Professor).
Classics: Miss L. M. DOLPHIN, M.A.
Economics: J. H. DAVIES, M.A. (Professor).
Education: (Vacant).
Engineering: D. WHITTAKER, PH.D. (Professor).
English: E. D. JONES, M.A., PH.D. (Professor).
Geography: J. C. DEWDNEY, M.A. (Professor).
Geology: M. M. ANDERSON, B.SC.
History: A. P. KUP, M.A., PH.D.
Law: F. C. TUBOKU-METZGER, LL.M.
Mathematics: A. ZULAUF, DR.RER.NAT., PH.D. (Professor).
Modern Languages: J. B. C. GRUNDY, T.D., M.A., PH.D.
Philosophy: Rev. J. P. FERGUSON, M.A.
Physics: A. E. BATE, PH.D. (Professor).
Theology: Rev. H. A. E. SAWYERR, C.B.E., M.A., M.ED. (Professor).
Zoology: (Vacant).
African Studies: M. CROWDER, M.A.

Extra-Mural Studies: C. R. A. COLE, M.A. (*Director*).

NJALA UNIVERSITY COLLEGE

NJALA, VIA MANO

Founded 1963.

President: Sir ALBERT MARGAI, Prime Minister of Sierra Leone.
Council Chairman: F. S. ANTHONY, M.SC.
Principal: S. T. MATTURI, PH.D.
Registrar: H. M. LYNCH-SHYLLON, M.A., DIP.ED.
Librarian: V. NADANASABAPATHY, B.SC., A.L.A.

Number of teachers: 40.
Number of students: 200.

DEANS:

Faculty of Agriculture: W. N. THOMPSON, M.SC., PH.D.
Faculty of Education: V. E. KING, M.A., PH.D.
School of Development Studies: J. W. PILGRIM, M.A.

PROFESSORS:

KASTELIC, J., M.SC., PH.D., Animal Science
KING, V. E., Education
THOMSON, W. N., Farm Management and Marketing
WORRALL, G. A., M.SC., PH.D.

Milton Margai Training College: Goderich, nr. Freetown; Principal P. G. HAMPTON, B.A., B.D., A.K.C.; to become incorporated in the projected University of Sierra Leone.

S. B. Thomas Agricultural College: Mabang; first agricultural college in West Africa.

Technical Institute: Freetown; City and Guilds and trade courses; and commercial education and secondary technical courses.

Technical Institute: Kenema; vocational courses.

SINGAPORE

Population 1,820,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Botanical Gardens: Singapore; f. 1859; botanical and horticultural research; Dir. H. M. Burkill, M.A., F.L.S.; library of 8,600 vols.; publs. *Agricultural Bulletin of the Malay Peninsular, 1891–1900, Agricultural Bulletin of the Straits and Federated Malay States, 1901–1911, The Gardens' Bulletin, Straits Settlements, 1912–1941, The Gardens' Bulletin, Singapore, 1947-.*

British Council, The: 1A Orchard Road, Singapore 9; Rep. T. F. S. Scott.

China Society, The: Singapore; organises art instruction and exhibitions; section devoted to the composition and reading of poetry in the classical style; section for stringed music.

Association of Engineers: 11 Raffles Quay, Singapore.

Indian Fine Arts Society: P.O. Box 2812, St. Michael's Mansion, St. Michael's Road, Singapore 12; Pres. S. Harris; Hon. Sec. G. S. Ramachandran.

Library Association of Singapore: c/o University of Singapore, Bukit Timah Road, Singapore 10; f. 1965; publ. *Librarians Journal* (twice annually).

Lembaga Gerakan Pelajaran Dewasa (*Adult Education Board*): Canning Rise, Singapore 6.

Royal Asiatic Society, Malaysian Branch: National Museum, Stamford Road; Pres. Dato Nik A. Kamil Bin Haji Nik Mahmud; publ. *Journal.*

Singapore Institute of Architects, The: G.P.O. Box 2723, Singapore.

Tagore Society: P.O. Box 281, Singapore; drama and lectures; Pres. Dr. Lin Wo Chiang; Hon. Sec. D. Murugan; Hon. Treas. K. Soman.

U.S. Cultural Centre: 30 Hill Street, Singapore 6; lectures, exhibits, film shows, library.

LIBRARIES

National Library: Stamford Road, Singapore 6; f. 1884; formerly known as Raffles Library and Raffles National Library; a department of the Government of Singapore providing reference and lending library facilities for the State; approx. 215,000 vols., mainly in English; growing collections of Chinese, Malay and Tamil books; contains the State Archives and is the official repository for publications received under the Printers and Publishers Ordinance; comprises two branch libraries (in addition to the main library) and a mobile library for children in rural areas; acts as the national centre of bibliographical information and the national exchange centre; Dir. Mrs. Hedwig Anuar; publs. *National Library Annual Reports, National Library (Board Report), 1960–63, South-East Asia Collection, Books about Malaysia, occasional bibliographies.*

University of Singapore Library: Bukit Timah Road, Singapore 10; 300,000 vols., including medical library 50,000 vols., and Chinese library of 120,000 vols.; Librarian Jean M. Waller, M.A., A.L.A.

MUSEUMS

Art Museum and Exhibition Gallery: University of Singapore, Singapore 10; f. 1955; Asian art, including classical Chinese ceramics, painting and sculpture, Chinese export wares, Islamic pottery, classical Indian sculptures, Indian Moghul miniature painting, Indian historical and traditional textiles, Thai and Cambodian ceramics, Khmer sculptures, contemporary Indian painting, contemporary Malaysian painting and traditional textiles; Curator William Willettes, B.A., M.A., B.SC.

National Museum: Singapore; formerly Raffles Museum; f. 1848; anthropology, archæology, and zoology of Malaysia; the Malaysian branch of the Royal Asiatic Society is housed in the museum; reference and exhibition collections; library; Curator of Anthropology Christopher L. Y. Hooi; Curator of Zoology Eric R. Alfred; publs. *Memoirs of the National Museum* (Anthropology, History and Prehistory), *Bulletin of the National Museum* (Zoology), *Malayan Museums' Pamphlets.*

29

UNIVERSITIES AND COLLEGES

UNIVERSITY OF SINGAPORE

SINGAPORE 10

Telephone: Singapore 50451.

Founded 1962.

(Formerly Raffles College and King Edward VII College of Medicine and the University of Malaya in Singapore).

Chancellor: His Excellency TUN YUSOF BIN ISHAK, S.M.N., D.K.
Vice-Chancellor: Prof. LIM TAY BOH, M.A., PH.D., DIP.ARTS.
Deputy Vice-Chancellor: R. QUAHE, B.B.N., B.COM., A.A.C.C.A.
Registrar: H. D. LEWIS, DIP.ARTS.
Bursar: (Vacant).
Librarian: Miss JEAN M. WALKER, M.A., A.L.A.

Number of students: 2,857.

DEANS:

Faculty of Arts: E. DE CHICKERA, B.A., B.LITT.
Faculty of Law: J. L. MONTROSE, HON.LL.D.
Faculty of Science: HON YUNG SEN, M.SC., DIP.SC., A.INST.P.
Faculty of Medicine: K. SHANMUGARATNAM, L.M.S., M.D., PH.D., D.C.P., M.C.PATH., M.C.P.A.

PROFESSORS:

Faculty of Arts:
LIM TAY BOH, M.A., PH.D., DIP.ARST., Economics
ENRIGHT, D. J., M.A., D.LITT., English
PUCCETTI, R., M.A., D.L'UNIV., Philosophy
TREGONNING, K. G., PH.D., History
WIKKRAMATILEKE, W. A. R., M.A., PH.D., Geography

Faculty of Law:
HOLLAND, D. C., M.A., Law (Visiting)
MONTROSE, J. L., HON. LL.D., Law (Visiting)
UNGER, J., L.L.M., Law (Visiting)

Faculty of Science:
KIANG AI KIM, PH.D., DIP.SC., F.R.I.C., Chemistry
DIANANDA, P. H., M.A., PH.D., Mathematics
GATHA, M. S., PH.D., Physics
HARRISON, J. L., D.SC., F.I.BIOL., Zoology

Faculty of Medicine:
KANAGASUNTHERAM, R., M.A., PH.D., F.Z.S., Anatomy
LIM KOK ANN, M. B., CH.B., DIP.BACT., Bacteriology
DIXON, T. F., PH.D., F.R.I.C., Biochemistry
KHOO OON TEIK, M. D., L.M.S., M.R.C.P. ED., F.R.F.P.S., Clinical Medicine
TICKLE, R. J. S., D.D.S., L.D.S.R.C.D.S., M.SC. (DENT.), F.D.S.R.C.S., F.I.C.D., Dentistry
JANSEN, J. A., L.D.S., M.SC.D., Prosthetic Dentistry
RANSOME, G. A., C.B.E., F.R.X.P., M.R.C.S., Medicine
GUNN, D. R., M.B., CH.B., M.CH.ORTH., F.R.C.S.ED., Orthopædic Surgery
WONG HOCK BOON, M. B., B.S., F.R.C.P. ED., F.R.F.P.S., D.C.H., Pædiatrics
SHANMUGARATNAM, K., L.M.S., M.D., PD.H., D.C.P., M.C.PATH., M.C.P.A., Pathology
LIN, R. C. Y., PH.D., Pharmacology
COLBOURNE, M. J., M.B., CH.B., D.T.M. & H., D.P.H., M.R.C.P.ED., Social Medicine and Public Health
TINCKLER, L. F., M.D., CH.M., F.R.C.S., L.R.C.P., D.T.M. & H., Surgery
ELLIOTT, T H., PH.D., F.P.S., F.R.I.C., Pharmacy

NANYANG UNIVERSITY

JURONG ROAD, SINGAPORE 22

Telephone: 661741.

Founded 1953.

The University was founded with the aim of furthering higher education in Malaysia and developing a new Malaysian culture based upon the existing racial cultures.

Vice-Chancellor: HUANG YING-JUNG, B.A., LL.B., J.S.D.
Registrar: LIU PING-HOU, M.A., PH.D.
Bursar: CHAI CHONG-YII, B.COM., A.A.S.A., R.A.S.
Librarian: KOH THONG-NGEE, M.A.
Dean of Students: CHENG YE-TUNG, B.A.

Number of teachers: 112 (excluding 44 graduate assistants).

Number of students: 1,536 men, 590 women, total 2,126.

Publications: *Nanyang University Calendar, Nanyang University Bulletin, Nanyang University Journal, Annual Report, Bulletin of Chinese Language and Literature, Bulletin of the Mathematics Society, The Repository, The Commerce.*

DEANS:

Faculty of Arts: JAO YU-WEI, M.A.
Faculty of Science: HENRY K. H. HUANG, M.A.
Faculty of Commerce: LIU KUNG-KWEI, M.A.

HEADS OF DEPARTMENTS:

Faculty of Arts:
Chinese Language and Literature: JAO YU-WEI, M.A. (acting).
Modern Languages and Literature: JAO YU-WEI, M.A. (acting).
History: WANG TEH-CHAO, M.A.
Geography: HSUEH CHI-HSUN, M.S.
Political Science: LI HSIANG-LIN, M.A.
Education: YEN YUEN-CHANG, M.ED., PH.D.

Faculty of Science:
Mathematics: CHIN JUNG-LU, M.SC.
Physics: CHOONG SHIN-PIAW, D.SC.
Chemistry: MAO TIAN-DER, PH.D.
Biology: HENRY K. H. HUANG, M.A.
Chemical Engineering: HSU YUNG-SUI, M SC.

Faculty of Commerce:
Industrial Management: PAQUAN S. HSU, M.A. (acting).
Accountancy: LIU KUNG-KWEI, M.A.
Banking and Finance: FOO VOON-KAI, LL.B., B.COM., J.S.D.
Economics: JACEN T. HSIEH, LL.B., B.LITT.

THE SINGAPORE POLYTECHNIC

P.O. BOX 2023, SINGAPORE, 2

Founded 1958.

There are departments of engineering, architecture and building, accountancy and nautical studies. The Polytechnic is a multi-level institution and conducts courses at Professional and Technical levels for its own Diplomas, with external examiners for its final examinations.

Chairman: Dr. TOH CHIN CHYE.
Principal: A. ROBERT EDIS, B.ENG., M.I.MECH.E., M.E.I.C., M.I.NUC.E., A.F.C.A.S.I.

Number of teachers: 96 full-time.

Number of students: 952 full-time, 1,477 part-time.

SOMALIA

Population 2,500,000

LEARNED SOCIETIES

La Société de Médecine de la Somalie: Mogadishu.

L'Institut Culturel et Social: Mogadishu.

Casa degli Italiani: Mogadishu; organises meetings, art exhibitions, etc.

Somaliland Society: P.O. Box 39, Hargeisa; Pres. J. J. LAWRIE; Hon. Sec. M. A. MANDANA; publ. *Somaliland Journal* (English and Arabic).

RESEARCH INSTITUTES

Society of Medicine and Tropical Hygiene: Mogadishu.

Laboratory of Hygiene and Prophylaxy: sections in medicine and chemistry.

Institute for the Preparation of Serums and Vaccines.

Istituto di Mariologia "Marchiafava".

LIBRARIES

Biblioteca del Istituto Universitario della Somalia: Mogadishu; Librarian MOHAMED KALIF SALAD.

Hargeisa Local Government Council Library: Hargeisa; f. 1958; public library.

Musée de La Garesa: Mogadishu; the largest public library in Somalia is housed here.

Secretariat Library: Hargeisa; predominantly non-fiction.

Société Dante Alighieri: Mogadishu; library of books on Italian culture.

Teachers' Library: Hargeisa; run by the Education Department.

MUSEUM

Musée de la Garesa: Mogadishu; ethnographical and natural history collections.

UNIVERSITY

ISTITUTO UNIVERSITARIO DELLA SOMALIA
(University Institute of Somalia)

P.O. Box 15, MOGADISHU

Founded 1954; University status 1959

President: Dr. HASAN ALI MIRREH.
Administrator: MICHELE PIRONE.

Number of teachers: 25.
Number of students: 723.

DEANS:

Faculty of Law and Economics: DINO FIOROT.
Faculty of Education: DINO FIOROT.

COLLEGES

Istituto Superiore di Scienze Giuridiche, Economiche e Sociali (*Higher Institute of Juridical, Economic and Social Sciences*): 4-year course.

Istituto Superiore di Diritto ed Economia (*Higher Institute of Law and Economy*): Mogadishu; f. 1955; 3-year course.

Police Academy: Mogadishu; f. 1964; 300 students.

School of Administration: Mogadishu; 1954; 3-year diploma course; 59 students.

School of Islamic Disciplines: Mogadishu; includes a faculty of law; 299 students.

École Industrielle: Mogadishu; departments of radio, carpentry, mechanics, electricity, building construction.

School of Public Health: 25 students.

School of Seamanship and Fishing: 18 students.

Teachers' Training College: 4-year course.

SOUTH AFRICA

Population 16,002,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

GENERAL

Royal Society of South Africa: c/o University of Cape Town, Rondebosch; f. 1877, Royal Charter 1909; 2 honorary and 90 ordinary Fellows, 194 mems.; publ. *Transactions.*

President: Dr. M. R. LEVYNS.
Hon. Secretary: W. J. TALBOT, B.SC.
Hon. Treasurer: N. SAPEIKA, B.A., PH.D., M.D.

FELLOWS:

Honorary:

BARNARD, K. H., M.A., D.SC.
CAMPBELL, G. C., M.B., CH.B., HON. LL.D.(Edin.), F.R.C.S. (Edin.).

Ordinary:

ADAMSON, Prof. R. S., M.A., D.SC.
ALEXANDER, R. A., B.SC., D.V.SC.
BALINSKY, Prof. B. I., DR.BIOL.SC.
BARKER, Prof. W. F., B.SC., PH.D.
BATSON, Prof. E., B.SC.(ECON.), F.R.ECON.S.
BEATER, B. E., D.SC.
BIGALKE, A., M.A., PH.D.
BLEKSLEY, Prof. A. E. H.
BOLUS, Mrs. F., B.A., D.SC.
BOND, G. W., D.SC.
BUSH, Prof. S. F., M.SC., D.PHIL.
CLARK, J. D., C.B.E., M.A., PH.D., F.S.A., F.R.A.I.
COMPTON, Prof. R. H., M.A.
COOKE, H. B. S., M.A., D.SC., F.G.S., F.R.MET.S.
COPENHAGEN, W. J., M.SC.
DALTON, Prof. J. P., M.A., D.SC.
DART, Prof. R. A., M.SC., M.D., CH.M.
DAY, Prof. J. H. O., D.F.C., B.SC., PH.D.
DE KOCK, G. V. D. W., D.SC., M.R.C.V.S.
DONEN, I., M.SC., PH.D.
DRENNAN, Prof. M. R., M.A., M.B., CH.B., F.R.S.E.
DREOSTI, Prof. G. M., M.SC., PH.D.
DU TOIT, P. J., B.A., PH.D., DR.MED.VET., D.SC.
DYER, R. A., D.SC.
ELLERMAN, Sir JOHN.
ELLIOTT, G. A., O.B.E., M.D., F.R.C.P.
ELSDON-DEW, R., M.B., CH.B., M.D.
EVANS, D. S., M.A., PH.D., F.INST.P., F.R.A.S.
EWER, D. W., M.A., PH.D.
FRANKEL, J. J., D.SC., F.G.S., A.M.I.M.M.
FREED, L. F., M.A., D.PHIL., M.B., CH.B., M.D., D.P.H., D.T.M.& H.
GALLOWAY, A., M.A., M.B., CH.B., F.R.A.I.
GANE, P. G., M.B.E., M.SC., PH.D.
GILBERT, Miss C., D.SC.
GORDON, Prof. I., M.A., PH.D.
HALES, Prof. A. L., M.SC., PH.D., M.A.
HAUGHTON, S. H., D.SC.
HESSE, A. J., B.SC., PH.D., F.R.E.S.
HEY, D., D.SC.
HOLLIMAN, Prof. F. G., M.A., PH.D.
ISAAC, Prof. W. E., B.SC., PH.D.
JAMES, Prof. R. W., M.A., B.SC., F.INST.P.
JANSE, A. J. T., D.SC., F.E.S.
KENT, L. E., M.SC., F.G.S.
KING, L. C., D.SC., PH.D.
LAWRENCE, R. F., M.A., PH.D.
LEVYNS, Mrs. M. R., B.A., D.SC.
LÜTJEHARMS, Prof. W. J., PHIL.NAT.D.
MAINGARD, Prof. L. F., M.A., D.LITT., L.-EN-D.
MALAN, B. D., B.A.
MALAN, D. J., D.SC.
MARLOTH, R. H., B.A., M.SC., PH.D.
NAUDÉ, S. M., M.SC., PH.D.
NEWBERY, Prof. E., D.SC., F.R.I.C., F.C.S.
PAINE, Prof. H. H., M.A., B.SC., F.I.P.
PHILLIPS, E. P., M.A., D.SC., F.L.S.
PHILLIPS, J. F. V., D.SC., F.R.S.E.
PIJPER, A., M.D., D.S.C.
POCOCK, Miss M. A., B.SC., PH.D., F.L.S.
POLDERVAART, A., M.SC., PH.D.
PORTER, Miss A., D.SC., F.L.S.
POWER, J. H., F.Z.S.
RAPSON, W. S., M.SC., D.PHIL., A.R.I.C.
RENNIE, Prof. J. V. L., M.A., PH.D.
ROSE, Col. J. G., D.S.O., V.D., F.I.C.
RYRIE, Prof. B. J., M.B., CH.B.
SAPEIKA, N., B.A., PH.D., M.D.
SCHAPERA, Prof. I., M.A., PH.D., D.SC.
SCHOLTZ, Prof. D. L., D.SC.
SCHONLAND, Sir BASIL, M.A., PH.D., F.R.S.
SCHRIRE, I., M.A., PH.D., M.B., CH.B., M.R.C.P.
SHAPIRO, H. A., M.B., CH.B., PH.D.
SINGER, R., M.B., CH.B.
SKAIFE, S. H., M.A., M.SC., PH.D., F.E.S.
SMEATH-THOMAS, Prof. J., D.SC., F.I.C.
SMITH, Prof. J. L. B., M.SC., PH.D.
STAZ, J., D.D.S., H.D.D., L.D.S.
STEPHENS, Miss E. L., B.A., F.L.S.
STOY, R. H., M.A., PH.D., F.R.A.S.
SUMMERS, R. F. H.
TALBOT, Prof. W. J., B.SC.
TAYLOR, J. G., M.A., PH.D.
THODAY, Prof. D., M.A., SC.D., F.R.S.
TOBIAS, P. V., PH.D., M.B.B.CH., F.R.A.I.
VON BONDE, C., M.A., PH.D.
WALKER, Prof. F., M.A., PH.D., D.SC., F.R.S.E.
WATT, Prof. J. M., M.B., CH.B., F.R.C.P., F.R.S.E.
WICHT, Prof. C. L., B.SC., B.A., DR.ING.
WILSON, Prof. MONICA, M.A., PH.D.
ZWARENSTEIN, Prof. H. J., M.A., M.SC., PH.D., D.SC.

South African Council for Scientific and Industrial Research: Scientia, P.O. Box 395, Pretoria; f. 1945; Pres. Dr. S. M. NAUDÉ; Vice-Pres. Dr. N. STUTTERHEIM, Dr. F. J. HEWITT; Sec.-Treas. J. H. VISAGIE; mems.: Dr. S. M. NAUDÉ (Chair.), Prof. C. A. DU TOIT, F.R.S., G. C. V. GRAHAM, Dr. B. GAIGHER, F. G. HILL, T. F. MULLER, Prof. S. F. OOSTHUIZEN, Dr. R. L. STRASZACKER, Dr. H. J. VAN ECK, Dr. J. N. VAN NIEKERK, Prof. F. L. WARREN, J. D. ROBERTS. The Council has the following departments, offices and research establishments:

Administrative Services Department, Pretoria.
Technical Services Department, Pretoria.
Information and Research Services, Pretoria.
C.S.I.R. Western Cape Regional Office, P.O. Box 288, Bellville, C.P.
C.S.I.R. Natal Regional Office, P.O. Box 1, Congella, Natal.
South African Scientific Liaison Office, 6th Floor, Chichester House, 278-282 High Holborn, London, W.C.2, England.
South African Scientific Liaison Office, Embassy of the Republic of South Africa, 3051 Massachusetts Avenue, N.W., Washington, D.C., U.S.A.
South African Scientific Liaison Office, Embassy of the Republic of South Africa, Heumart 1, Cologne (Köln 5), Germany.

National Physical Research Laboratory (C.S.I.R.): P.O. Box 395, Pretoria; maintains fundamental standards of physical quantities for the Republic of South Africa; specialist divisions and sections on acoustics, physics of matter, nuclear physics, radioactivity, optics, spectrochemistry, X-ray diffraction, electron microscopy, mass spectroscopy, atmospheric physics, high pressure physics, physical oceanography, infra-red and molecular spectroscopy, geophysics, electron paramagnetic resonance, and air pollution; conducts research in co-operation with other scientific institutions and for industrial firms on contract basis; Dir. Dr. A. Strasheim.

National Chemical Research Laboratory (C.S.I.R.): P.O. Box 395, Pretoria; research into raw materials and their processing by industry and acts as non-profit-making research institute for industry; divisions include physical, inorganic and analytical chemistry, organic chemistry, biochemistry, chemical engineering; Dir. Dr. P. C. Carman.

National Building Research Institute (C.S.I.R.): P.O. Box 395, Pretoria; wide research on national problems of the building and construction industry; divisions include soil mechanics, functional efficiency, civil and structural engineering, materials, architecture and building research application; Dir. Dr. T. L. Webb.

National Institute for Telecommunications Research (C.S.I.R.): P.O. Box 3718, Johannesburg; study of radio wave propagation and associated phenomena; study of specialised techniques and the development of specialised terminal equipment (invented the Tellurometer system of distance measurement now in world-wide use); the use of radio as an essential part of other programmes, e.g. space research; operates a Radio Space Research Station at Hartebeesthoek, Transvaal, on the basis of a contract between the U.S. National Aeronautics and Space Administration and the C.S.I.R.; Dir. R. W. Vice.

National Mechanical Engineering Research Institute (C.S.I.R.): P.O. Box 395, Pretoria; practical problems of engineering industry and research into fundamental technical problems peculiar to South Africa; undertakes research work for industry on a contract basis; research departments include materials and mechanics of solids, aeromechanics, hydromechanics, heat mechanics, mine equipment; Dir. Dr. H. G. Denkhaus.

National Institute for Personnel Research (C.S.I.R.): P.O. Box 10319, Johannesburg; research in industrial psychology and personnel management; divisions include work study and training, personnel selection and vocational guidance, industrial sociology and demography, applied social psychology, temperament and personality research, perception and communication, psychometrics, mathematical psychology, neuropsychology, learning; Dir. D. J. M. Vorster.

National Institute for Water Research (C.S.I.R.): P.O. Box 395, Pretoria; fundamental and applied research into biological, bacteriological, biochemical and technological aspects of water supply, waste water treatment, effluent re-use or disposal; regional laboratories are located in the Provinces of Natal, Orange Free State, the Cape and South-West Africa; there is a hydrobiology research group at the Rhodes University in Grahamstown; Dir. Dr. G. J. Stander.

National Nutrition Research Institute (C.S.I.R.): P.O. Box 395, Pretoria; studies problems of human nutrition of national importance. Activities include biochemical, physiological, pathological and clinical research, the carrying out of nutritional status surveys among various population groups and studies on the processing and nutritional properties of foodstuffs; Dir. Dr. J. J. Theron.

National Research Institute for Mathematical Sciences (C.S.I.R.): P.O. Box 395, Pretoria; *Mathematical Sciences Research Department:* pure and applied mathematics, theoretical physics; numerical analysis, scientific computer applications; mathematical and applied statistics, biostatics. *Electrical Engineering Research Department:* automatic control, data processing, computer technology; semi-conductor electronics; ultrasonics, high frequency heating; application of electronics to research; development and maintenance of electronic instruments; research on earthing and earth resistance, heat conductivity of soil, protection systems, heavy current applications; Dir. Dr. A. P. Burger.

National Institute for Road Research (C.S.I.R.): P.O. Box 395, Pretoria; divisions include bituminous materials, soil mechanics, special problems, traffic and safety, and economics; Dir. Dr. P. J. Rigden.

South African Wool Textile Research Institute (C.S.I.R.): P.O. Box 247, Grahamstown; est. 1951; registered as a non-profit company in 1953; transferred to C.S.I.R. in Aug. 1964; research on behaviour of South African wool and mohair clips during processing (including scouring, carding, gilling and combing, knitting, dyeing and finishing), improvement of current methods of processing, introduction of easy-care properties into end-commodities manufactured from these natural fibres; Dir. Dr. D. P. Veldsman.

Republic Observatory: *see under* Astronomy.

Co-operative industrial research is subsidised through autonomous research institutes, registered as non-profit companies and controlled by industrial subscribers:

Fishing Industry Research Institute, Cape Town.
Leather Industries Research Institute, Grahamstown.
Paint Research Institute, Grahamstown.
Sugar Milling Research Institute, Durban.

Medical research is supported through units and groups at medical research institutions and universities in the following fields:

Amoebiasis, Bilharzia, Anæsthetic deaths, Pneumoconiosis, Arthropod-borne virus diseases, Cardiopulmonary diseases, Cardiovascular pulmonary diseases, Clinical nutrition, Degenerative diseases, Nutrition and metabolism, Dental research, Nutrition and dental health research, Endocrine, Cardiac, Human biochemistry, Photobiology, Orthopædic development, Renal metabolism, Virus research, Tuberculosis, Protein research, Iron and red-cell metabolism, Iodine metabolism, Tissue damage and cell metabolism, Nutritional anaemia, Bacterial genetics.

Publs. *C.S.I.R. Annual Report, Scientiae* (monthly), *C.S.I.R. Library Information and Accessions* (monthly), *TI—Technical Information for Industry* (monthly), *Register of Current Scientific Research at South African Universities* (annual), *C.S.I.R. Research Reports* (irregular), *Basic Radio Propagation Predictions for Southern Africa* (monthly), *Bulletin of Ionospheric Characteristics observed at Johannesburg and Cape Town* (monthly); National Institute for Personnel Research: *Psychologia Africana* (irregular); *Research Review* (biennial), *Directory of Scientific Resources in South Africa* (in five parts), *Periodicals in South African Libraries* (Science and Technology Section); National Building Research Institute: *Information Sheets* (every two months); National Institute for Road Research: *VIA* (twice yearly), *C.S.I.R. Timber Unit: Houtim* (quarterly).

South African National Council for Social Research: The Department of Education, Arts and Science, Pretoria; f. 1946; the Council is an advisory body, having no

statutory existence but serving the Minister of Education, Arts and Science with advice in matters falling within its scope. The Secretary for Education, Arts and Science is *ex-officio* Chairman of the Council; objects: (*a*) to promote, organise, co-ordinate and assist research in the social sciences, but not to dominate or monopolise the field; (*b*) to encourage and to undertake the planning of research projects; (*c*) to ensure efficient and economic use of moneys; (*d*) to create where necessary bodies for carrying out long-range or long-term researches; (*e*) to encourage the training of highly qualified research workers by means of grants, scholarships and fellowships to selected individuals for attachment to university departments, Government departments, or institutions; (*f*) to provide information, liaison and statistical services as well as to assist in the publication of results and other material likely to be valuable for research; (*g*) to formulate in general terms research policy, and to put forward to the Government and the country the needs of research; (*h*) to obtain and administer endowments; publ. *Journal for Social Research* (twice yearly).

Africa Institute, The: cnr. van der Walt and Skinner Streets, P.O. Box 630, Pretoria; f. 1960; the Institute is for the collection and elaboration of information on all matters especially affecting the African continent and to disseminate such information; to attend conferences on African matters; to keep in touch with leaders in the territories of Africa and to investigate matters *in loco*; Chair. Dr. F. J. de Villiers; Dir. Prof. P. F. D. Weiss; Sec. Mnr. P. W. Esterhuysen; publ. *Africa Institute Bulletin* (monthly), *Africa, Maps and Statistics* (series of 10 publs.).

AFRIKAANS STUDIES

Ekonomiese Instituut (F.A.K.): P.O. Box 8711, T.O. Building, 95 Simmonds Street, Johannesburg; f. 1930; 100 mems.; Chair. Prof. Dr. C. G. W. Schumann; Sec. W. S. J. Grobler; publs. *Lectures*.

Federasie van Afrikaanse Kultuurverenigings (F.A.K.): P.O. Box 8711, T.O. Building, 95 Simmonds Street, Johannesburg; f. 1929; 189 affiliated Afrikaans cultural societies; Chair. Prof. Dr. H. B. Thom; Sec. W. S. J. Grobler; publs. *Lectures*.

Suid-Afrikaanse Akademie vir Wetenskap en Kuns (*South African Academy of Arts and Science*): Engelenburghuis, Hamilton Street, Pretoria; f. 1909; for the advancement of the Afrikaans language, literature, art, science and technology; 224 mems., 831 assoc. mems.; Chair. Prof. Dr. P. F. D. Weiss; Sec. D. P. Goosen; publs. *Tydskrif vir Geesteswetenskappe, Tydskrif vir Natuurwetenskappe, Nuusbrief, Simposium* (quarterlies), *Jaarboek, Hertzog-Annale* (annuals).

AGRICULTURE AND FORESTRY

Directorate of Agricultural Research (Pretoria): Dept. of Agricultural Technical Services, Agriculture Building, Beatrix Street, Pretoria; manages, plans and co-ordinates all agricultural research; Chief Dir. Dr. S. J. du Plessis; the Directorate controls the following specialised and regional research institutes:

Animal Husbandry and Dairy Research Institute (Pretoria-Irene): Performance and progeny testing of and fundamental research on breeding, nutrition and physiology of farm animals; Chief, Dr. F. N. Bonsma.

Botanical Research Institute (Pretoria-Brummeria): Botanical surveys, classification of plants and study of morphology, taxonomy and ecology of South African flora; administers the National Herbarium at Pretoria; Chief, Dr. R. A. Dyer.

Citrus and Subtropical Fruit Research Institute (Nelspruit): Research on citrus and subtropical fruit for the entire Republic; Chief, Dr. R. H. Marloth.

Fruit and Food Technology Research Institute (Stellenbosch): Research on deciduous fruit under winter rainfall conditions and food technological research; Chief, Dr. R. I. Nel.

Horticultural Research Institute (Pretoria-Roodeplaat): Research on horticulture (deciduous fruits, vegetables and ornamental plants) under summer rainfall conditions; Chief, Dr. A. J. v. d. Merwe.

Plant Protection Research Institute (Pretoria): Fundamental and applied research on plant pathology, microbiology and taxonomy of insects; economic zoology, toxicology of insecticides and biology and control of insect pests; Chief, D. J. E. v. d. Plank.

Soils Research Institute (Pretoria): Classification and mapping of soils; chemical research; analysis of soils, water, rock, plant materials, fertilisers, weedicides, insecticides and fungicides; Chief, Dr. J. van Garderen.

Tobacco Research Institute (Rustenburg-Kroondal): Research on culture and technology of tobacco; Chief, Dr. J. Reyneke.

Veterinary Research Institute (Pretoria-Onderstepoort): Research on animal diseases (infectious and functional, including disease caused by malnutrition); production of vaccines and remedies; biological evaluation of dips and remedies offered for registration; Chief, Dr. B. C. Jansen.

Viticultural and Oenological Research Institute (Stellenbosch): Research on viticulture and wine technology; Chief, Mr. P. P. du Toit.

Regional Research Institutes: Transvaal (Pretoria), Highveld (Potchfstroom), O.F.S. (Bloemfontein-Glen), Karoo (Middelburg, Cape), Natal (Pietermaritzburg), Eastern Cape (Queenstown), Winter Rainfall (Stellenbosch).

Forest Research Institute: P.O. Box 727, Pretoria; f. 1919; headquarters of the Research Branch of the Dept. of Forestry of the Republic of South Africa; research undertaken at the institute and in field stations include timber technology, sylviculture, hydrological and tree-breeding research; Chief Officer E. K. Marsh; publs. *Forestry in South Africa*, bulletins, papers, etc.

ARCHAEOLOGY, HISTORY AND RACE RELATIONS

Genealogical Society of South Africa: P.O. Box 3171, Cape Town; f. 1963; 240 mems.; Chair. R. F. M. Immerman; Hon. Sec. Dr. J. Heese; publ. *Familia* (quarterly).

Heraldry Society of Southern Africa: P.O. Box 4839, Cape Town; f. 1953; 110 mems.; Chair. Dr. C. Pama; Hon. Sec. Miss E. A. Sheila Fort; publ. *Arma* (quarterly).

Institute for the Study of Man in Africa: Johannesburg; f. 1960; the Institute has been established to perpetuate the work of Prof. Raymond A. Dart on the study of man in Africa, past and present, in health and disease; the Institute is to be based on a Museum of Man in Africa and will serve as a centre of anthropological and medical field work; it functions partly through the auspices of the University of the Witwatersrand; through its Kalahari Research Committee it has sponsored a programme of research on the Kalahari Bushmen; Pres. Prof. P. V. Tobias, F.R.S.S.AFR., Medical School, Hospital Street, Johannesburg.

Nederlands Cultuurhistorisch Instituut: University of Pretoria, Pretoria; f. 1930; offers books and information on Dutch culture, history and art; 200 mems.; library of 20,000 vols., 75 periodicals; Dir. Prof. Dr. G. van Alpen, D.LITT.; publ. *Mededelingen* (6 a year).

South African Archæological Society: P.O. Box 31, Claremont, Cape Town; f. 1945; 800 mems.; Sec. R. R.

INSKEEP; publ. *South African Archæological Bulletin* (quarterly).

South African Bureau of Racial Affairs (SABRA): P.O. Box 2768, Pretoria; f. 1948 to encourage and promote the separate development of the white and non-white communities in South Africa and to protect and safeguard the interests of both; to make a scientific study of race relations and to encourage and work for goodwill and co-operation between the various sections and races in South Africa; annual congress; Chair. Prof. P. F. D. WEISS; publs. *Journal of Racial Affairs* (quarterly), *News Letter* (quarterly).

South African Institute of Race Relations: P.O. Box 97' Johannesburg; f. 1929; 4,000 mems.; 66 affiliated bodies; Pres. The Most Rev. DENIS E. HURLEY, O.M.I.; Vice-Pres. Dr. B. FRIEDMAN, A. D. LAZARUS, Dr. S. T. VAN DER HORST, Dr. O. D. WOLLHEIM, Dir. QUINTIN WHYTE; publs. *Race Relation News* (monthly), *Hoernlé Memorial Lecture* (annually), *Survey of Race Relations, Handbook on Race Relations, Annual Report, "Thought", "Perspektief"*, pamphlets.

Van Riebeeck Society: c/o South African Public Library, Cape Town; f. 1918; 1,240 mems.; publishes South African Historical Documents; Chair. Prof. J. DU P. SCHOLTZ; Hon. Sec. Mrs. M. G. ASHWORTH; Hon. Treas. Dr. A. M. LEWIN ROBINSON; publ. one volume annually.

ARCHITECTURE, ENGINEERING AND TECHNOLOGY

Cape Chemical and Technological Society: P.O. Box 2645, Cape Town; f. 1905; 101 mems.; Sec. Dr. E. G. PROUT, M.SC., PH.D.

Government Metallurgical Laboratory: Corner Yale and Showground Roads, Milner Park, Johannesburg; f. 1934; research on concentration and processing of minerals; Dir. Dr. R. E. ROBINSON; library of 4,000 vols.

Institution of Certificated Mechanical and Electrical Engineers, South Africa: P.O. Box 3361, Johannesburg; f. 1911; 1,448 mems.; Secs. The Associated Scientific and Technical Societies of South Africa; publ. *Journal, The Certificated Engineer.*

Institute of S.A. Architects: Transvaal Provincial Institute, 60 Biccard Street, Braamfontein, Johannesburg; f. 1911; 818 mems.; Sec. Mrs. W. COFORD; publ. *South African Architectural Record* (monthly).

Institute of S.W.A. Architects: P.O. Box 1478, Windhoek; Pres. G. PARKER FORSYTH; Sec. Mrs. M. BAARD.

Institute of Transport (*Southern Africa Division*): Road Transport Section, General Manager's Office, South African Railways, Johannesburg; f. 1926; 950 mems.; Chair. P. G. JOUBERT, M.SC., M.INST.T.; Sec. A. CRERAR, A.M.INST.T.; Hon. Treas. G. A. CROCKER, A.M.INST.T.; publs. *Journal, African Transport Review.*

South African Atomic Energy Board: Private Bag 256, Pretoria; f. 1949; Divisions: Chemistry, Extraction Metallurgy, Geology, Isotopes and Radiation, Liaison and Information, Life Sciences, Physical Metallurgy, Physics, Reactor Engineering, Technical Operations Group (comprising Research Reactor Division and Chemical Operations Division), Technical Services Group (comprising Engineering Services Division and Instrumentation Services Division); Chair. J. HAAK; Deputy Chair. Dr. T. E. W. SCHUMANN; Dir.-Gen. Dr. A. J. A. ROUX; publ. *Annual Report.*

South African Institute of Electrical Engineers: P.O. Box 5907, Johannesburg; f. 1909; 1,920 mems.; Pres. Prof. G. R. BOZZOLI; Secs. The Associated Scientific and Technical Societies of South Africa; publ. *Transactions.*

South African Institute of Mining and Metallurgy: Kelvin House, Hollard Street, P.O. Box 1183, Johannesburg; f. 1894; 1,350 mems.; Pres. J. F. REID; publ. *Journal.*

South African Institution of Civil Engineers: P.O. Box 1183; Johannesburg; f. 1903; 2,266 mems.; Pres. F. JACKSON, publ. *The Civil Engineer in South Africa* (monthly).

South African Institution of Mechanical Engineers: P.O. Box 5907, Johannesburg; f. 1892; 1,312 mems.; Secs. The Associated Scientific and Technical Societies of South Africa; publ. *Journal* (monthly).

Southern Universities Nuclear Institute: Faure; f. 1961; by the Universities of Cape Town and Stellenbosch to provide advanced research facilities to university staff and post-graduate students; main research facility is a 5.5 MeV Van de Graaff accelerator with pulsed ion source; Chair. of Board of Govs. Prof. H. B. THOM; Chief Scientist Dr. I. J. VAN HEERDEN.

ASTRONOMY

Astronomical Society of Southern Africa: c/o The Royal Observatory, Cape Town; f. 1922; Pres. A. MENZIES; Hon. Sec. T. W. RUSSO; Hon. Treas. G. ORPEN; approx. 300 mems.; publs. *Notes* (monthly), *Handbook* (annually); local centres at Cape Town, Johannesburg, Durban, and Bloemfontein.

Boyden Observatory: P.O. Box 334, Mazelspoort, Bloemfontein; f. 1891; is maintained by the following associates: Pres. and Fellows of Harvard College, U.S.A., Armagh Observatory, Northern Ireland, Dunsink Observatory, Irish Republic, Council of German Observatories, Royal Observatory of Belgium for Belgium Astronomical Observatories; Chair. D. H. MENZEL.

Lamont-Hussey Observatory of the University of Michigan: P.O. Box 875, Naval Hill, Bloemfontein; opened 1928; Astronomer in Charge Prof. F. HOLDEN, M.SC., F.R.A.S.

Leiden Southern Station: P.O. Box 13, Broederstroom; Superintendent D. F. STEVENSON.

Magnetic Observatory: P.O. Box 32, Hermanus; f. 1932, transferred from Cape Town 1940; studies of geomagnetism, seismology, cosmic rays; Chief Officer A. M. VAN WIJK; publs. *Magnetic Bulletin* (monthly), *Cosmic Ray Bulletin* (monthly).

Radcliffe Observatory, Pretoria: first established 1772, at Oxford (England), transferred to Pretoria in 1937; the telescope of this observatory is employed on direct photography, spectroscopic and photo-electric work, and is among the largest telescopes in the Southern Hemisphere; Observer A. D. THACKERAY, M.A., PH.D.

Radio Space Research Station: Hartebeeshoek; f. 1961; established in co-operation with the U.S.A.

Republic Observatory (*Council for Scientific and Industrial Research*): Gill Street, Johannesburg; formerly Transvaal Observatory (f. 1903), Union Observatory (1912), renamed 1961. Principal equipment: 26½-inch, 9-inch, twin 7/6-inch refractors; at Hartbeespoort Annexe: 10-inch photographic refractor; principal long-term systematic programmes include double-star astronomy, observations of minor planets and comets; electronic time equipment controls time signals and standard frequencies from radio station ZUO; library of about 12,000 vols.; Acting Dir. J. HERS, M.SC.(ENG.); publ. *Circulars* (annual).

Royal Observatory: Cape Town; f. 1820; controlled and maintained by the British Science Research Council as the southern station of the Royal Greenwich Observatory; equipment includes a reversible 6-inch transit circle; 40-inch, 30-inch and 18-inch reflectors; 24-inch, 18-inch and 13-inch refractors; an automatic Lyot Ha Heliograph; a Danjon Astrolabe; the Observatory specialises in astrometric and photometric work and by agreement with the Radcliffe Trustees the staff have access to the 74-inch reflector at Pretoria for spectroscopic observations of all kinds; the Observatory controls the emission of wireless time

signals; H.M. Astronomer R. H. STOY, C.B.E., M.A., PH.D.

BANKING, ECONOMICS AND POLITICS

Economic Society of South Africa, The: P.O. Box 929, Pretoria; f. 1925; Objects: to promote the thorough discussion of, and research into economic questions, in particular those affecting South Africa, and to this end to enlist the active co-operation of all persons, of whatever school of economic thought, capable of throwing light on them; 475 mems.; Sec. F. V. D. BOGAERDE; Treas. C. L. STALS; publ. *The South African Journal of Economics* (quarterly); brs. in Cape Town, Durban, Johannesburg, Port Elizabeth and Pretoria.

Institute of Bankers in South Africa: P.O. Box 2213, Cape Town; f. 1904; 12,000 mems.; publ. *South African Bankers' Journal* (quarterly); Sec. and Editor S. C. WELCH.

South African Institute of International Affairs: Jan Smuts House, University of the Witwatersrand, Milner Park, Johannesburg; f. 1934 to facilitate the scientific study of international questions, particularly African questions; 678 mems.; library of 5,000 vols.; Chair. LEIF EGELAND; Dir. G. G. LAWRIE.

South Africa Foundation: P.O. Box 7006, Johannesburg; f. 1959 to promote international understanding of South Africa's "way of life, achievements, problems, and aspirations"; Dir. L. B. GERBER; publs. *Tempo* (monthly), *Perspective—S.A. News Journal* (monthly).

BIBLIOGRAPHY, LITERATURE AND ART

Classical Association of Johannesburg: University of the Witwatersrand, Johannesburg; 50 mems.; Pres. Prof. S. DAVIS; Sec. A. E. THORPE.

Classical Association of South Africa: Chair. Prof. H. L. GONIN, University of Pretoria; Sec. Dr. J. P. LOUW, University, Bloemfontein; publ. *Acta Classica*, Editor Prof. G. VAN N. VILJOEN, P.O. Box 392, Pretoria.

English Academy of Southern Africa: P.O. Box 2550, Pretoria; f. 1961; to preserve English as a cultural and educational force.

South African Association of Arts: Cape Town; encouragement of the arts, nationally and internationally.

South African Association of Arts: Windhoek; br. in Swakopmund; encouragement of painting, sculpture, music, dancing and drama; maintains new Arts Theatre, organises recitals, arranges arts safaris; Chair. Mrs. O. LEVINSON; Sec. Mrs. LISA KUNTZE.

South African Library Association (Suid-Afrikaanse Biblioteekvereniging): c/o Ferdinand Postma Library, Potchefstroom University, Potchefstroom; f. 1930; 1,032 mems.; Pres. Prof. H. C. VAN ROOY, M.A. (S.A.), B.LS. (Columbia), F.S.L.A.; Vice-Pres. Dr. S. I. MALAN, M.A., DIP.LIB., D.LITT., A.S.A.L.A.; Hon. Sec. C. J. H. LESSING, HON. B.A., HON. B.A.(BIBL.), U.D.L.(P.U.), A.S.A.L.A.; publs. *South African Libraries* (*Suid-Afrikaanse Biblioteke*) (quarterly), *Newsletter* (*Nuusbrief*) (monthly) and a few irregular publications.

South African Museums' Association: c/o South African Museum, P.O. Box 61, Cape Town; f. 1936; 223 mems.; Hon. Sec. Miss M. SHAW; Editor Dr. J. A. J. MEESTER, Dept. of Zoology, University of Pretoria; publ. *Samab* (three times a year).

GEOGRAPHY AND GEOLOGY

Geological Society of South Africa: P.O. Box 1071, Johannesburg; f. 1895; 850 mems.; Hon. Sec. E. MENDELSSOHN; Asst. Secs. The Associated Scientific and Technical Societies of South Africa; publs. *Quarterly News Bulletin*, annual reports, proceedings and transactions.

Geological Survey of South Africa: P.O. Box 401, Pretoria; f. 1912; applied and fundamental geological research; mapping; library of 3,127 vols. and 41,200 periodicals; Dir. Dr. O. R. VAN EEDEN; publs. *Bibliography* (annually), bulletins, maps and handbooks, annuals.

South African Geographical Society: P.O. Box 5013, Johannesburg; f. 1917; 146 mems.; Pres. Dr. F. DIXEY; Hon. Sec. (Mrs.) A. J. HALL; publ. *South African Geographical Journal* (annually).

MEDICINE AND SCIENCES

Associated Scientific and Technical Societies of South Africa: P.O. Box 5907, Johannesburg; f. 1920, incorp. 1940; 11,300 mems.; Pres. Prof. R. A. DART; Sec. A. J. ADAMS; publ. *Annual Proceedings*.

Botanical Society of South Africa: Kirstenbosch, Newlands, C.P.; f. 1913; 4,800 mems.; Pres. DUDLEY R. D'EWES; Sec. and Treas. Miss J. HARVEY; publ. *Journal* (annual).

Division of Sea Fisheries: Beach Road, Sea Point, Cape Town; f. 1895; fisheries research and administration; Dir. B. DE JAGER; publs. annual reports, investigational reports, fisheries bulletins.

Medical Association of South Africa: Medical House, 35 Wale Street, P.O. Box 643, Cape Town; f. 1927; 6,300 mems.; the library is merged with that of the Medical School, University of Cape Town; Chair. of Council E. W. TURTON, M.B., CH.B.; Sec. A. H. TONKIN, M.B., CH.B., F.I.CO.S.; Assoc. Secs. L. M. MARCHAND, B.A., M.B., CH.B., P. D. COMBRINK, M.B., CH.B.; Hon. Treas. D. MCKENZIE, M.B., CH.B., M.MED.(PATH.); publs. *South African Medical Journal* (weekly), *South African Journal of Laboratory and Clinical Medicine* (quarterly), *South African Journal of Obstetrics and Gynæcology* (quarterly), *South African Journal of Radiology* (quarterly).

Municipal Botanic Gardens (*Parks, Recreation and Beaches Department, Durban Corporation*): St. Thomas' Road, Durban; f. *ca.* 1853; objects: the propagation and development of ornamental and useful plants, shrubs, trees, etc., and as a place of instruction in botany, horticulture and the related subjects; Dir. Parks, Recreation and Beaches F. W. THORNS, F.I.P.A.(S.A.); Curator, Durban Botanic Gardens, E. R. THORP, A.M.I.P.A.(S.A.).

National Botanic Gardens of South Africa: Kirstenbosch, Newlands, nr. Cape Town; f. 1913; Dir. Prof. H. B. RYCROFT; objects: scientific and educational; the collection, cultivation, display and study of the indigenous flora of South Africa; the preservation of the native vegetation of Southern Africa; publ. *Journal of South African Botany* (quarterly).

National Zoological Gardens of South Africa: P.O. Box 754, Pretoria; f. 1899; Chair. Dr. P. J. DU TOIT, F.R.S.; Dir. R. BIGALKE, M.A., DR.PHIL., C.M.Z.S.; Asst. D. J. BRAND, M.SC., PH.D.

South African Association for the Advancement of Science: P.O. Box 6894, Johannesburg; f. 1903; 1,090 mems.; Joint Hon. Gen. Secs. Prof. A. E. H. BLEKSLEY, D.SC., A. L. ABBOTT, B.SC., F.R.I.C., M.INST.S.P., M.S.A.CHEM.I.; Asst. Gen. Secs. The Associated Scientific and Technical Societies of South Africa; publs. *South African Journal of Science* (*Suid-Afrikaanse Tydskrif vir Wetenskap*).

South African Biological Society (Suid-Afrikaanse Biologiese Vereniging): P.O. Box 820, Pretoria; f. 1907; 120 mems.; Pres. Miss B. TAUTE; Hon. Sec. Dr. D. J. B. KILLICK; publ. *Journal*.

South African Chemical Institute: 75 Marshall Street, P.O. Box 3361, Johannesburg; f. 1912; 1,080 mems.; Secs. The Associated Scientific and Technical Societies of South Africa; publs. *Journal* (bi-annually) and *The South African Industrial Chemist* (monthly).

South African Institute of Assayers and Analysts: 201 Kelvin House, 2 Hollard Street, P.O. Box 6343, Johannesburg; f. 1919; to uphold the status and interests of the profession of assaying in all its branches; 272 mems.; Pres. J. S. DALGETY; publ. *Journal* (monthly).

South African Institute for Medical Research: Hospital Street, P.O. Box 1038, Johannesburg; 30 brs. at provincial hospitals throughout the Republic; f. 1912; objects: medical research into the causes and methods of prevention of human diseases; the Institute works in association with the Medical School of the University of Witwatersrand; Chair. Board of Management P. H. ANDERSON; Dir. J. H. S. GEAR, B.SC., M.B., B.CH., D.P.H., D.T.M. & H., DIPL.BACT.; Deputy Dir. J. F. MURRAY, M.D., CH.B., D.P.H.; Supt. of Diagnostic Dept. I. BERSOHN, B.SC., M.B., B.SC.; Superintendent of Serum and Vaccine Dept. P. A. CHRISTENSEN, M.D., DIPL.BACT.; Manager A. G. SHEARER, A.C.I.S., F.B.A.A.; Librarian S. M. HÉBERT, B.A., F.S.A.L.A.; publ. *Annual Report*.

South African Institute of Physics: c/o P.O. Box 395, Pretoria; f. 1955; 250 mems.; Pres. Dr. J. N. VAN NIEKERK; Sec. Dr. T. J. HUGO.

South African Ornithological Society: Percy Fitzpatrick Institute of African Ornithology, University of Cape Town, Ronderbosch; f. 1930; 1,600 mems.; Pres. Mrs. J. P. MACKIE NIVEN; Sec. Dr. J. M. WINTERBOTTOM; publ. *The Ostrich*.

South-West Africa Scientific Society: P.O. Box 67, Windhoek; f. 1925; 670 mems. approx.; Sec. H. J. RUST, D.PHIL.; publs. *Journal* (yearly), *Newsletters* (monthly).

Wild Life Protection and Conservation Society of South Africa: P.O. Box 1398, Johannesburg; f. 1902; 5,000 mems.; Pres. W. E. PEARSE; Sec. G. B. TREADWELL; publ. *African Wild Life* (quarterly).

UNCLASSIFIED

National Bureau of Educational and Social Research: Dept. of Education, Arts and Science, Private Bag 122, Pretoria; f. 1929; undertakes research in connection with education and the social sciences on a national scale; standardises and makes available educational aids such as psychological and scholastic tests; compiles and publishes educational statistics; acts as a clearing house for information in connection with education and research in South Africa and overseas; acts as a secretariat of the National Council for Social Research; evaluates overseas academic and professional certificates and diplomas; Dir. Dr. P. M. ROBBERTSE; numerous publications.

South African National Society, The: P.O. Box 3691, Cape Town; f. 1905; Objects· to promote interest in and appreciation of the countryside, to preserve as far as possible from destruction all ancient monuments and specimens of old Colonial architecture and historic interest in South Africa; 135 mems.; plus 2 life mems.; Pres. Lt.-Col. C. GRAHAM BOTHA, V.D., LL.D.; Vice-Pres. Dr. F. W. F. PURCELL, WILLIAM FEHR; Hon. Sec. and Treas. Miss GERTRUDE F. KINCAID; publs. *Year Book* and *Annual Report*; brs. of the Society at Durban, Pietermaritzburg and Grahamstown.

South African Bureau of Standards: Private Bag 191, 377 Andries Street. Pretoria; 700 mems.; draws up national standards, specifications, codes of practice, administers the SABS mark scheme; Dir. Dr. A. W. LATEGAN; publ. *Standards Bulletin*.

LIBRARIES AND ARCHIVES

Bethlehem

Bethlehem Regional Library (Bethlehem Streekbiblioteek): Private Bag, Bethlehem; Regional Librarian Miss M. C. BOTHA.

Bloemfontein

Bloemfontein Regional Library (Bloemfonteinse Streekbiblioteek): P.B. X0606; Regional LibraiPan N. S. SMIT, B.A.

Free State Provincial Library Service (Vrystaatse Provinsiale Biblioteekdiens): P.B. X0606; f. 1948; consists of Central Organisation Reference Library and Regional Libraries at Bloemfontein, Kroonstad and Bethlehem; serving 170 centres; 4 travelling libraries; book stock 610,000; Library Organiser A. CORNELISSEN, B.A., HIGH.DIPL.LIB.; publ. *Annual Report*.

Public Library: P.O. Box 1029; f. 1875; Copyright library; 75,000 vols.; Librarian Miss B. LEVY, M.A., A.L.A., F.S.A.L.A.

University of the Orange Free State, Library of: Bloemfontein; f. 1906; the collection includes rare pamphlets and other early South African publications of the Dreyer-Africana Collection; 90,000 vols. (1,200 magazines); Librarian F. J. POTGIETER, B.COM., DIPL.BIBL. U.P., A.S.A.L.A.

Benoni, Transvaal

Benoni Public Library: P.O. Box 403; f. 1923; 48,000 vols. Librarian W. G. GRIFFITHS, F.S.A.L.A.

Cape Town

Cape Provincial Library Service: P.O. Box 2108, Cape Town; f. 1945; consists of Central Library, Cape Town, 15 regional libraries serving 206 municipal public libraries and 384 library depots (of which 158 are for non-whites); Dir. G. R. MORRIS, B.A.(HONS.), F.S.A.L.A.

Cape Town City Libraries: 30 Chiappini Street; f. 1952; 600,000 vols.; central library and 29 suburban branches, travelling and hospital library services; Librarian Mr. C. H. VERMEULEN.

Library of Parliament: Parliament House; f. 1854; 200,000 items, including Government documents and the Mendelssohn Library of Africana, which contains 45,000 vols. on Africa, especially South Africa; Librarian T. ROOS.

Library of the Royal Society of South Africa: c/o University of Cape Town, Rondebosch; f. 1877; Librarian Prof. J. H. DAY, D.F.C., B.SC., PH.D.

South African Public Library: Government Avenue; f. 1818; contains rare book collections, including Grey, Dessinian and Fairbridge collections; the library is a Legal Deposit and National Library; 400,000 vols.; Chief Librarian A. M. LEWIN ROBINSON, B.A., PH.D., F.L.A.; publs. *Quarterly Bulletin*, *Grey Bibliographies*, *Africana Nova* (quarterly).

University of Cape Town Library: Private Bag. Rondebosch; f. 1829; 400,000 vols., incl. medical library of 48,000 vols.; music library of 5,700 vols., 23,000 items of printed music, and 6,700 records; architectural library of 8,400 vols., 4,500 slides, 4,000 plans; law library of 10,200 vols., incl. van Zyl collection of Roman Dutch law; McGregor collection of modern English Poetry; Sibbett collection of Rhodes pictures; Crawford collection of mathematical monographs; Ballot collection of 18th-century Dutch books; Bowle-Evans collection of English literary works, 1780-1830; MSS. collection of letters and documents by prominent South African literary and public figures; 10,700 serials;

also a school of librarianship for training librarians; Librarian R. F. M. IMMELMAN, M.A., B.L.S., F.L.A., F.S.A.L.A.; publs. *U.C.T. Bibliographical Series, Varia Series.*

Durban

Durban Municipal Library: City Hall, P.O. Box 917, Durban; f. 1853; 408,896 vols.; separate junior library, 11 depot libraries, 2 branch libraries and 2 non-European libraries; Librarian P. M. E. VAN ZYL, B.A., H.DIP.LIB.

Natal Technical College Library: f. 1920; the collection includes sections on engineering, chemistry, commerce, fine arts, economics, travel and history, biography, English, Afrikaans and Dutch literature, and also the Hillier Library, consisting chiefly of literature, biography and history; 21,630 vols., about 100 periodicals; Librarians Miss C. A. MCCAULEY, A.S.A.L.A., Miss V. L. TURNER B.A.

University of Natal Library: *Head Office:* King George V Avenue, Durban; Dir. of Library Services S. I. MALAN, M.A., DIP. IN LIBR. (Cape).

Durban Section.

Howard College Branch: King George V Avenue; f. 1922; 67,000 vols.; Powell Collection of Early Science and Technology and Webb Collection of works by African Bantu and Negroes; Deputy Librarian L. MILBURN, B.A. HONS., DIP. IN LIBR. (Lond.), F.R.S.A., F.L.A.

City Building Branch: Warwick Avenue; f. 1936; 21,000 vols.; comprises a library for the departments of Commerce, Accountancy, Law and Education; Deputy Librarian L. MILBURN, B.A. HONS., DIP. IN LIBR. (Lond.), F.R.S.A., F.L.A.

Medical School Branch: Umbilo Road; f. 1951; 14,000 vols.; Powell Cancer Research Library; Assistant Librarian Miss C. B. MAGUIRE, A.L.A.

Pietermaritzburg Section.

University of Natal Library: P.O. Box 375; f. 1909; 65,000 vols.; Librarian R. A. BROWN, M.A., F.S.A.L.A.

East London

East London Municipal Library Service: Cambridge Street, P.O. Box 652; f. 1876; 93,500 vols.; Librarian Miss M. H. VAN DEVENTER, F.S.A.L.A.

FORT HARE

Library of the University College of Fort Hare (*Howard Pim Library*): f. 1916; 55,000 vols.; Librarian M. SPRUYT, B.A., LL.DRS., DIP. (LIBR.).

Germiston

Germiston (Carnegie) Public Library: P.O. Box 246; f. 1909; 87,600 vols.; Acting Librarian Miss J. M. Harris A.S.A.L.A.

GRAHAMSTOWN

Grahamstown Public Library: Free Municipal Library; P.O. Box 176; f. 1842; 40,000 vols.; Librarian J. G. SPRIGG.

Rhodes University Library: Rhodes University; f. 1904; 128,000 vols.; Librarian F. G. VAN DER RIET, M.A., DR. DE L'UNIV. DE PARIS, A.B.L.S.

Johannesburg

Johannesburg Public Library: f. 1890; 807,536 vols.; Librarian Miss A. H. SMITH, M.A., F.S.A.L.A.; publs. *Annual Report, Index to S.A. Periodicals* (annual), *Municipal Reference Library Bulletin* (monthly), bibliographies (occasional).

Library of the South African Association for the Advancement of Science: c/o University Library, Milner Park, Johannesburg; f. 1903; 6,900 vols.

Library of the University of Witwatersrand: Jan Smuts Avenue, Johannesburg; f. 1922; 400,000 vols., 80 incunabula and other early printed books; Medical Library of 45,000 vols.; Law Library of 7,500 vols.; special collections; works in co-operation with the Department of Bibliography, Librarianship and Typography; Librarian J. W. PERRY, M.A., F.L.A.

Library of the South African Institute of Race Relations: P.O. Box 97; f. 1929.

Kimberley

Kimberley Public Library: P.O. Box 627; f. 1882; approx. 80,000 vols.; Librarian J. A. S. SCOTT, B.A., LIB.DIP.

Kroonstad

Kroonstad Regional Library (*Kroonstad Streekbiblioteek*); Private Bag; Regional Librarian Miss M. F. B. BOTHA.

Pietermaritzburg

Natal Provincial Library Service: Private Bag 9016; f. 1952; free; consists of central organization and reference library at Pietermaritzburg; three regional libraries for the coastal, midlands and northern areas, serving 330 centres; 5 travelling libraries; 700,000 vols.; Acting Library Organiser W. C. VAN DER MERWE.

Natal Society Public Library: f. 1851; lending, reference and copyright depts.; children's library and non-European branch library; 100,000 vols.; Librarian URSULA JUDD, F.L.A.

University of Natal Library: Pietermaritzburg Section; *see under* Durban.

Port Elizabeth

Port Elizabeth Public Library: P.O. Box 66; f. 1848; 93,073 vols.; Librarian ALFRED PORTER, F.L.A.

Potchefstroom

Potchefstroom University for Christian Higher Education Libraries: f. 1921; 192,295 vols.; 2,467 current periodicals; Librarian Prof. H. C. VAN ROOY, M.A., B.L.S. (CHICAGO), F.S.A.L.A.; publ. *Union Catalogue of Theses and Dissertations of South African Universities, Abstracts of Theses and Dissertations accepted for higher Degrees in the Potchefstroom University, Accession List.*

Pretoria

Central Agricultural Library: Private Bag 116; f. 1910; 48,234 vols., 1,772 current periodicals; Librarian P. J. STEYNBERG.

Department of Education, Arts and Science Library: Oranje-Nassau Building, Schoeman Street; 50,000 vols. in main library, 10,000 in branch libraries; special library in Education, Psychology and Sociology; Librarian S. J. GERBER, B.A., DIP.LIBR.SC.

Education Library Division of the Transvaal Education Department Library: 328 Van der Walt Street; f. 1918; 76,829 vols.; 672 current periodicals; Librarian Miss K. E. CROSS, B.A., F.S.A.L.A.

Library of the Council for Scientific and Industrial Research: P.O. Box 395; f. 1946; 50,000 vols.; Librarian Miss JEAN GREYBE, B.A., F.S.A.L.A.

State Library: P.O. Box 397, Pretoria; f. 1887; the library is a National Library and Legal Depository library, and Depository library for U.S. Government and UNESCO publications; 300.000 vols.; Union Catalogue of the Republic of South Africa for monographs; Inter-library Loans centre and Exchange centre; Dir. P. F. COETSEE; Deputy Dir. H. J. ASCHENBORN, M.A., HIGH.DIPL.LIBR.; publs. *South African National Bibliography, State Library Bibliographies, State Library Contributions to Library Science: Monographs of the State Library Printers' Museum*

Transvaal Provincial Library: Private Bag 288, Pretoria; f. 1943; consists of Central Organisation and Reference Library at Pretoria; 8 Regional Libraries; entire province served by 89 affiliated public libraries and 579 depots; 13 travelling libraries; 1,514,049 vols.; Dir. H. M. ROBINSON, B.A., F.S.A.L.A.; Principal Librarians G. R. MORRIS, B.A., F.S.A.L.A., F. SCHOLTZ, F.S.A.L.A.; Senior Librarian Mrs. H. J. M. RETIEF, F.S.A.L.A.

University of Pretoria Libraries: f. 1908; 270,469 vols.; **Main Library (Merensky-Biblioteek):** contains the Africana Collection, Goethe Collection, H. G. Viljoeu library of Greek and Roman literature and history and Law Library, Jacob de Villiers Collection; **Macfadyen Library** (Faculty of Commerce and Public Administration); **Central Medical Library;** also Music Library and Students Library at Onderstepoort (Faculty of Veterinary Science); Librarian A. J. VANDEN BERGH, B.A., DIP.BIBL.

University of S. Africa, Sanlam Library: P.O. Box 392; f. 1947; 90,000 vols., 1,500 current periodicals; Librarian H. O. ZASTRAU, B.SC.

Government Archives: Private Bag 236, Union Buildings, Pretoria; Dir. of Archives for the Republic of South Africa and the territory of South-West Africa Dr. A. KIESER; Deputy Dir. J. F. PRELLER; Asst. Dir. Dr. J. H. ESTERHUYSE; administers the following depots:

Cape Archives: Private Bag 9025, Queen Victoria Street, Cape Town; Chief Archivist W. B. VAN DER VYVER.

Transvaal Archives: Private Bag 236, Union Buildings, Pretoria; Principal Archivist P. C. O. STRYDOM.

Orange Free State Archives: Private Bag X0504, Elizabeth Street, Bloemfontein; Senior Archivist C. J. BEYERS.

Central Archives: Private Bag 236, Union Buildings, Pretoria; Senior Archivist S. J. SCHOEMAN.

Natal Archives: Private Bag 9012, Pietermaritz Street, Pietermaritzburg; Senior Archivist B. J. T. LEVERTON.

South-West African Archives: New Archives Building, Windhoek; Principal Archivist D. W. KRIJNAUW.

Archives Repository of the Transkei: c/o Dept. of Finance, Umtata; Archivist W. OTTO.

Record Management Section: Pretoria.

Publications Section: Private Bag 9025, Cape Town; Chief Editor Dr. A. J. BÖESEKEN.

State Historians: Pretoria; Dr. J. A. MOUTON, Dr. J. H. BREYTENBACH.

The administration of the Director of Archives also embraces the following: Historical Monuments Commission; S.A. War Graves Board; Heraldry Section; Foundation Simon van der Stel; the periodical *Historia.*

Stellenbosch

Library of the University of Stellenbosch: University of Stellenbosch, Ryneveld Street; f. 1918; 190,000 vols., 2,500 current periodicals; Librarian G. V. MARAIS M.A., B.SC., F.S.A.L.A.

MUSEUMS AND ART GALLERIES

Bloemfontein

National Museum: P.O. Box 266; f. 1877; Institute for Palæontology, Osteology, Conchology, Archæology, Anthropology and Ethnography; the unique Florisbad human fossil skull and Ictidosaur housed here; library of 40,000 vols.; Dir. A. C. HOFFMAN, D.PHIL., D.SC.; publ. *Researches of the National Museum, Memoirs, Annual Reports.*

Cape Town

Cape Town Castle Museum: Cape Town Castle.

Michaelis Collection: The Old Town House, Greenmarket Square; f. 1917; Dutch and Flemish paintings and graphic art of the 16th-18th centuries; Curator W. H. GRAVETT.

South African Museum: Cape Town; f. 1855; divided into two sections, April 1964:

South African Museum (Natural History): P.O. Box 61, Cape Town; archæology, entomology, ethnology marine biology, ornithology, palæontology, anthropology; Dir. Dr. T. H. BARRY; publs. *Annals of the South African Museum, Guides, Reports.*

South African Museum (Cultural History): Private Bag 645, Cape Town; Dir. Dr. GEORG WACHA.

Koopmans de Wet House (Branch of S.A. Museum): 35 Strand Street; specimen of old Dutch house displaying rare period furniture, silver, glass, china and pictures, and illustrating the conditions of domestic life in South Africa in the 18th and 19th centuries.

Rust-en-Vreugd: Buitenkant Street; f. 1965; Fehr Collection of Africana prints.

South African National Gallery: Government Avenue; f. 1871; Dir. Prof. MATTHYS BOKHORST, D.LIT.ET.PHIL. (LEIDEN).

Durban

Durban Museum and Art Gallery: Smith Street; f. 1887; South African fauna, flora, ethnography archæology; works of art; Dir. P. A. CLANCEY; publ. *Novitates.*

Old House Museum: St. Andrews Street; f. 1954; local and Natal historical collections; Curator D. H. STRUTT.

East London

East London Museum: Upper Oxford Street; f. 1931; zoology, mammalogy, ornithology, ethnology, entomology, archæology and history; houses first Coelacanth caught in 1938; Chair. Board of Trustees G. G. SMITH; Dir. Miss M. COURTENAY-LATIMER.

Franschhoek

Huguenot Memorial Museum: Lambrechts Street, P.O. Box 37, Franschhoek; f. 1957; research into Huguenot history, exhibition of Huguenot pieces and documents; 390 mems.; Chair. S. F. DU TOIT; Curator J. DE VILLIERS; publ. *Huguenot Society of South Africa* (Bulletin).

Grahamstown

Albany Museum: f. 1855; natural history, history, archæology and art; Dir. (vacant).

Johannesburg

Africana Museum: Public Library, Market Square; f. 1935; history and ethnology of Africa south of the Zambesi; Dir. Miss ANNA H. SMITH; publs. *Africana Notes and News* (quarterly), *Annual Report,* catalogues of special exhibitions, Frank Connock publications.

Geological Museum: Public Library, Market Square; f. 1890; economic geology especially of Southern Africa, gemmology, mineralogy, physical geology and

petrology, South African stratigraphy and archæology; Dir. Miss A. H. SMITH.

Municipal Art Gallery: Joubert Park; f. 1911; European and South African painting and sculpture, print collection, textiles, oriental ceramics; Dir. P. ANTON HENDRIKS.

Kimberley

Alexander McGregor Memorial Museum: P.O. Box 316; f. 1907; Geology; Archæology of N. Cape; Zoology; Herbarium; outstanding ethnological collection housed in Duggan-Cronin Bantu Gallery, f. 1936; publs. *The Native Tribes of South Africa, The Rock Engravings of Griqualand West and Bechuanaland, The Flowering Plants and Ferns of Griqualand West, The Bushman Tribes of Southern Africa, Annals of the Cape Provincial Museums* (in conjunction with four other museums).

Kingwilliamstown

Kaffrarian Museum: 3 Lower Albert Road; f. 1898; contains the world's largest collection of Southern African mammals; also collections of Eastern Cape ethnological material and material associated with early European settlement; Acting Dir. DEREK M. COMINS; Sec. Mrs. M. TURNER; publ. *Annual Report;* joint publishers of *Cape Provincial Museums Annals.*

Pietermaritzburg

Municipal (Tatham) Art Gallery: City Hall; f. 1903; 19th century and modern graphic art of the British and Foreign Schools; 19th and 20th century paintings, British and French Schools; Curator Mrs. L. M. NIMMA.

Natal Museum: 237 Loop Street; centre of studies on the fauna of South Africa and especially of Natal; ethnographical collection of Zululand; Dir. Dr. J. A. PRINGLE.

Port Elizabeth

Port Elizabeth Museum, Snake Park and Oceanarium: Humewood; f. 1885, moved 1959; Museum: whale skeletons, shells and general marine life, fossils, geology and birds; Snake Park: African and worldwide collection of reptiles; Oceanarium: local fish and dolphins; Dir. G. R. MCLACHLAN, M.SC., PH.D.; Hon. Curator of Fishes Prof. J. L. B. SMITH.

Pretoria

Municipal Art Gallery: P.O. Box 440; Dir. A. J. WERTH.

Museum of Science and Industry: P.O. Box 413; f. 1964; Dir. M. SCHOONRAAD.

National Cultural History and Open-Air Museum: P.O. Box 3300; f. 1964; formerly part of the Transvaal Museum; comprises Old Museum (Boom Street) and Paul Kruger House Museum; Dir. Mrs. K. ROODT-COETZEE.

Transvaal Museum: Paul Kruger Street, P.O. Box 413; f. 1893; from 1964 a Natural History museum only; taxonomy, ecology, zoo-geography, with main emphasis on Southern Africa; primates, including fossil ape-man (Australo-pithecus); library of 25,000 vols.; Dir. V. FITZSIMONS, D.SC., C.M.Z.S.; publs. *Memoirs, Annals, Annual Report.*

Windhoek

South-West Africa State Museum: P.O. Box 1203; Dir. Dr. W. STEYN; publ. *Cimbebasia* (S.W.A. Research).

UNIVERSITIES

By the University Apartheid *Act,* 1959, *entry to the universities of South Africa will be progressively restricted to Europeans. By the Fort Hare Transfer Act, the University College at Fort Hare will serve only the Bantu population. Three new University Colleges have been created to serve the non-white population: one in the Mtunzini District of Natal, one at Pietersburg and the other at Belleville. In 1960 a University College for the Indian population was opened at Durban.*

UNIVERSITY OF CAPE TOWN

P.O. BOX 594, CAPE TOWN

Telephone: 694351.

Founded 1873.

Chancellor: A. VAN DE SANDT CENTLIVRES, LL.D., D.C.L.

Principal: J. P. DUMINY, M.A., LL.D.

Deputy Principal: D. P. INSKIP, M.A., LIC.-ÈS-LETTRES.

Registrar: J. G. BENFIELD, B.COM., A.C.I.S.

Library, *see* Libraries.

Number of teaching staff: 55 professors.

Number of students: 5,700.

DEANS:

Faculty of Arts: Prof. A. H. R. E. PAAP, LITT.D.

Faculty of Science: Prof. W. SCHAFFER, M.SC., PH.D.

Faculty of Engineering: Prof. R. W. GUELKE, PH.D., M.I.E.E., F.INST.P., M.(S.A.)I.E.E.

Faculty of Law: Prof. B. BEINART, LL.M.

Faculty of Medicine: Prof. B. BROMILOW-DOWNING, M.B., CH.B.

Faculty of Education: Prof. R. E. LIGHTON, M.A.

Faculty of Commerce: (Vacant).

Faculty of Music: Prof. E. CHISHOLM, D.MUS., F.R.C.O.

Faculty of Fine Arts and Architecture: Prof. L. W. THORNTON WHITE, F.R.I.B.A., M.I.A.

Faculty of Social Science: Prof. E. BATSON, B.SC. (ECON.), F.R.S.S.AF.

PROFESSORS:

Faculties of Arts and Sciences:

ABRAHAMS, Rev. I., M.A., Hebrew
AHRENS, L. H., M.A., D.SC., F.R.I.C., Geochemistry
AXELSON, E., PH.D., History
BAX, D., LITT.D., Netherlands Cultural History
BROOKS, F. D., M.SC., Nuclear Physics
CASSON, L. F., M.A., B.LITT., PH.D., English Language
DANZIGER, K., M.SC., D.PHIL., Psychology
DAY, J. H. O., D.F.C., PH.D., F.R.S.S.AF., Zoology
DREOSTI, G. M., PH.D., F.R.S.S.AF., Fisheries
FRAHN, W. E., DIP.PHYS., DR.RER.NAT., Theoretical Physics
HOUSEHAM, K. O., M.SC., M.A., Pure Mathematics
HOWARTH, R. G., B.LITT., F.R.S.L., English Literature
LEISEGANG, E. C., PH.D., Inorganic Chemistry
LUTJEHARMS, PHIL.NAT.D., Botany
MURRAY, A. H., M.A., D.PHIL., Philosophy
PAAP, A. H. R. E., D.LITT., Classics
PARKYN, D. G., M.A., Applied Mathematics
POPE, M. W. M., M.A., Classics
ROBERTSON, H. M., M.A., PH.D., Economics
ROSTEUTSCHER, J. H. W., DR.PHIL., German
RYSCROFT, H. B., M.SC., PH.D., Botany
SCHAFFER, W., PH.D., Physics
SCHOLTZ, J. DU P., M.A., LITT.D., Nederlands and Afrikaans
SHAKLETON, M., M.A., French
SIMPSON, E. S. W., M.SC., PH.D., Geology
STEPHEN, A. M., M.SC., D.PHIL., A.R.I.C., Organic Chemistry
STOY, R. H., C.B.E., PH.D., F.R.S.S.AF., Astronomy
TALBOT, W. J., B.SC., F.R.S.S.AF., Geography
WESTPHAL, E. O. J., M.A., PH.D., African Languages
WILSON, Mrs. M. M., M.A., PH.D., F.R.S.S.AF., Social Anthropology

Faculty of Engineering:

GUELKE, R., PH.D., M.I.E.E., F.INST.P., Electrical Engineering
METCALF, P., M.A., Mechanical Engineering
MENZIES, G. H., B.SC., M.I.G.L.S., F.R.I.C.S. Land Surveying
ROBERTSON, R. G., M.A., M.I.C.E., M.I.STRUT.E., Civil Engineering

Faculty of Law:
BEINART, B., LL.M., Roman Law
DE VOS, W., DOC.JUR., LL.D., South African Private Law
PRICE, T. W., M.A., PH.D., Roman Dutch Law

Faculty of Medicine:
ALLEN, C. E. L., G.M., M.D., M.CH., F.R.C.S., Orthopædics
BROCK, J. F., M.A., D.M., B.CH., F.R.C.P., Medicine
BROMILOW-DOWNING, B., M.B., CH.B., Medical Education
COOPER, E. D., M.D., F.R.E.P.S.(G), D.P.H., Public Health
DAVEY, D., M.B., B.S., PH.D., M.R.C.S., L.R.C.P., D.C.R.O.G., M.R.C.O.G., Obstetrics
FORD, F. J., M.D., F.R.F.P.S.(G), Child Health
KENCH, J. E., PH.D., D.SC., M.B., CH.B., F.R.I.C., Chemical Pathology
KIPPS, A., M.D., Bacteriology
LOUW, J. H., M.B., CH.M., Surgery
PALMER, P. E. S., M.B., B.S., F.F.R., D.M.R., D.M.R.T., Radiology
SLOAN, A. W., M.D., F.R.F.P.S., M.R.C.P., Physiology
THOMSON, J. G., M.D., CH.B., Pathology
TURNER, R., M.B., CH.B., D.P.H., Medical Jurisprudence
WELLS, L. H., M.B., CH.B., D.SC., F.R.S.S.AF., Anatomy

Faculty of Education:
LIGHTON, R. E., M.A., English

Faculty of Commerce:
GREENWOOD, H., F.S.A.A., C.A.(S.A.), Accounting

Faculty of Music:
CHISHOLM, E., D.MUS., F.R.C.O.

Faculty of Fine Arts and Architecture:
BRINKS, S., B.ARCH., D.C.S., Architecture
WHITE, L. W. T., F.R.I.B.A., M.I.A., Architecture

Faculty of Social Science:
BATSON, E., B.SC.,(ECON.), F.R.S.S.AF., Social Science

THE UNIVERSITY OF NATAL

KING GEORGE V AVENUE, DURBAN
P.O. BOX 375, PIETERMARITZBURG
Telephone: 35.2461.

Founded 1909. Formerly a Constituent College of the University of South Africa; assumed university status 1949.

Chancellor: The Hon. D. G. SHEPSTONE, LL.D.
Chairman: Dr. G. G. CAMPBELL, M.B., CH.B., F.R.C.S.
Vice-Chancellor and Principal: Prof. O. P. F. HORWOOD, B.COM.
Registrar: P. G. LEEB-DU TOIT, B.COM.
Finance Officer: E. L. BEYERS, A.I.M.T.A.(SA), A.I.CO.S.
Director of Library Services: S. I. MALAN, M.A., D.LITT., DIP. LIB., A.S.A.L.A.

Library: *see under* Durban and Pietermaritzburg.

Number of lecturers: 509, including 64 professors.
Number of students (1965): 4,570.

Publications: *University of Natal Gazette, Natal University News, Theoria.*

DEANS:

Faculty of Arts: Prof. A. G. ROOKS, CAND.THEOL., M.DIV., D.D.
Faculty of Science: Prof. G. D. L. SCHREINER, M.A., PH.D.
Faculty of Education: Prof. R. G. MACMILLAN, PH.D.
Faculty of Law: E. M. BURCHELL, M.A.
Faculty of Commerce and Administration: Prof. T. H. KELLY, PH.D.
Faculty of Engineering: Prof. E. T. WOODBURN, M.I.CHEM.E.
Faculty of Social Science: Prof. HANSI P. POLLAK, M.A.
Faculty of Agriculture: Prof. P. J. C. VORSTER, B.SC.AGRIC.ENG.
Faculty of Medicine: Prof. I. GORDON, M.B.

PROFESSORS:

ABBOTT, C. W., M.SC., PH.D., Dairy Science
ADAMS, E. B., M.B., M.R.C.P., Medicine
ALBINO, R. C., M.A., Psychology
BAYLES, J. W., D.PHIL., Physical Chemistry
BEHRMANN, H. I., M.SC.AGRIC., PH.D., Agricultural Economics
BIESHEUVEL, H., B.SC., L.S.A., Surveying
BURCHELL, E. M., M.A.
BURTON, A. J., PH.D., Zoology
BUSH, S. F., M.SC., D.PHIL., F.R.S.S.AF., Zoology
CHAPMAN, D. S., M.S., F.R.C.S., Surgery
CLARENCE, N. D., M.SC., PH.D., Physics
CONRADIE, A. LOUISA, PH.D., Philosophy
CRICHTON, D., M.B., B.CH., PH.D., M.R.C.O.G., F.R.C.S., Gynæcology and Obstetrics
CROFT, L. T., M.I.A., A.R.I.B.A., DIP.T.P., A.M.I.P.I., Architecture and Quantity Surveying
DAYMOND, J. R., M.SC., M.I.C.E., A.M.I.STRUCT.E., Chartered Civil Engineer, Civil Engineering
DE KOCK, E. L., M.A., D.LITT.ET.PHIL., Classics
FAIRBAIRN, W. J. G., C.A.(S.A.), A.S.A.A., Accounting and Auditing
FAIRBROTHER, J. A. V., D.PHIL., F.INST.P., Physics
GARDNER, W. H., PH.D., English
GORDON, I., M.B., CH.B., F.R.S.S.AF., Pathology and Forensic Medicine
GRANT-SHYTE, H., M.B., F.F.A.R.C.S., F.A.C.A., F.I.C.A., Anæsthetics
HEATH, J. C. W., A.R.C.A., Fine Arts
HORWOOD, O. P. F., B.COM., Economics
HULME, S. A., M.SC., AGRIC., Crop Science
KEEN, E. N., M.B., CH.B., M.D., F.R.C.S., Anatomy
KELLY, T. H., M.COM., PH.D., Commerce and Public Administration
KING, L. C., D.SC., PH.D., F.G.S., F.R.G.S., F.R.S.S.AF., Geology
KOTZE, P. H., M.SC., Animal and Poultry Science
KRIGE, E., M.A., D.LITT., African Studies
LE ROUX, J. C., B.SC.AGRIC., M.S., Horticultural Science
LINHART, H., DR.MATHS.STATS., Statistics
MACMILLAN, R. G., PH.D., Education
MATHEWS, A. S., B.A., LL.B., Law
NIENABER, G. S., M.A., M.ED., LITT.D., Afrikaans/Nederlands
OOSTHUIZEN, M. J., M.SC., PH.D., Entomology
ORCHARD, E. R., M.B.E., PH.D., A.R.I.C., Soil Science
PHILLIPS, W. E., D.SC., Electrical Engineering
POLLAK, H. P., M.A., DIP.SOC.WORK, Sociology
PRESTWICH, M. F., M.A., History and Political Science
QUICKE, G. V., M.SC.AGRIC., PH.D., Biochemistry
RAYNER, A. A., PH.D., Biometry
REID, J. V. O., B.M., B.CH., M.R.C.S., Physiology
ROOKS, A. G., M.DIV., CAND.THEOL., Divinity
SACKS, N., M.A., M.R.C.S., L.R.C.P., D.M.R., Radiology
SANDS, R., B.A. (HONS.), English
SCHMIDT, W. H. O., PH.D., Educational Psychology
SCHMIDT-IHMS, MARIA, D.PHIL., German
SCHREINER, G. D. L., M.A., PH.D., Inorganic Chemistry
SCHUDDEBOOM, PHIL.CAND., M.SC., Mathematics
SCOTT, J. D., D.SC., Pasture Science
SNEDDON, ELIZABETH, M.A., L.R.A.M., Speech and Drama
TERPSTRA, F. J., SC.DR., Mathematics
TRICAUD, MARIE, CERT.APT.AU.PROFESSORAT, French
TRUTER, S. J., D.SC., Plant Pathology
VILLIERS, T. A., PH.D., Botany
VORSTER, P. J. C., B.SC.AGRIC.ENG., D.I.C., M.A.S.A.E., Agricultural Engineering
WAINWRIGHT, J., M.D., Pathology
WALLACE, H. L., M.D., F.R.C.P., Pædiatrics
WEYERS, W. H., M.SC.AGRIC., PH.D., Genetics
WILLIAMS, G., M.A., PH.D., Geography
WOODBURN, E. T., M.I.CHEM.E., Chemical Engineering
(Vacant—Botany, Chemistry and Mechanical Engineering)

RESEARCH INSTITUTES OF THE UNIVERSITY:

Institute for Parasitology.
Director: R. ELSDON-DEW, M.B., CH.B., M.D., F.R.S.S.AF.

Institute for Social Research: Durban; f. 1953.
Director: H. L. WATTS, B.A. (HONS.), PH.D.

Meyrick Bennett Children's Centre.
Director: H. LOWENSTEIN, M.B., B.CH.

Oceanographic Research Institute.
Director: D. H. DAVIES, M.SC., PH.D.

Paint Industries Research Institute: Durban; f. 1948.
Director: G. M. HAMILTON, M.SC.

Sugar Milling Research Institute: Durban; f. 1948.
Director: K. DOUWES DEKKER, D.SC.

Wattle Research Institute: Pietermaritzburg; f. 1946.
Director: H. SHAW, M.SC., PH.D., F.R.I.C.

UNIVERSITY OF THE ORANGE FREE STATE

(Formerly University College of the O.F.S.)
P.O. BOX 339, BLOEMFONTEIN
Telephone: 81101.

Founded 1855. Formerly a Constituent College of the University of South Africa, Pretoria. Granted independent status 1949, becoming a University of the O.F.S. 1950.

Chancellor: The Rt. Hon. Adv. C. R. SWART, B.A., LL.B., LL.D.(H.C.).
Vice-Chancellor and Rector: Prof. P. W. G. GROENEWOUD, M.SC. (S.A.), D.PHIL. (OXON.).
Chairman: S. J. NAUDE.
Registrar: G. P. J. DU TOIT, B.A., B.ECON., LL.B.
Librarian: F. J. POTGIETER, B.COM., A.S.A.L.A., DIPL.BIBL.

Number of lecturers (1965): 203.
Number of students (1965): 2,790.

DEANS:

Faculty of Arts: B. KOK, M.A., D.LITT.
Faculty of Science: Prof. A. P. MALAN, M.SC. (S.A.).
Faculty of Social Science: Prof. J. D. W. KEYTER, M.A., D.PHIL.
Faculty of Education: Prof. J. J. FOURIE, M.ED., D.ED.
Faculty of Law: Prof. J. N. R. VAN RHYN, DIP.PROC., D.R.
Faculty of Economic and Administrative Science: Prof. C. H. DU PLESSIS, M.A., M.SC., D.PHIL.
Faculty of Agriculture: Prof. G. D. B. DE VILLIERS, M.SC., D.SC.
Teachers' College: Prof. J. W. LOUBSER, M.A.

PROFESSORS:

Faculty of Arts:
BADENHORST, W. J., M.A., D.LITT., Dutch
BEUKES, G., M.A., D.LITT., Dutch
BOEDINGHAUS, W., M.A., D.PHIL., German
KOK, B., M.A., D.LITT., Dutch
LANGUAGE, F. J., D.PHIL., Ethnology
MOSTERT, C. W., M.A., D.LITT., English
OBERHOSTER, J. J., M.A., D.PHIL., History
RICHARDS, W. J., M.A., D.LITT., Latin
SCHIMDT, A. A., M.A., Geography
STRAUSS, H. J., DOC.JUR., Politics
SWANEPOEL, C., M.MUS., U.O.L.M., A.R.C.M., Music
VAN DER MERWE, I. R., M.ED., D.ED., Physical Education
VAN ROOY, C. A., M.A., D.LITT., Greek
VENTER, E. A., M.A., PH.D., D.D., Philosophy
WAHL, J. R., D.PHIL., English

Faculty of Science:
ALBERTS, L., M.SC., D.SC., Physics
BOK, L. D. C., M.SC., DR.RER.NAT., Physical and Applied Chemistry
BRINK, C. V. D. M., M.SC., D.SC., Organic and General Chemistry
DE WIT, J. J. D., PHIL.NAT.D., Zoology
KRIEL, R. G., M.SC., M.ED., D.PHIL., Psychology
LAY, G. Q., D.ARG., A.R.I.B.A., A.M.T.P.I., L.I.A.
MALAN, A. P., M.SC., Mathematics
REITSMA, A., M.SC., PH.D., Statistics
VAN BILJOHN, W. J., M.SC., PH.D., Geology
VAN PLETZEN, R., D.SC., Zoology
VAN WYK, C. B., M.SC., PH.D., Applied Mathematics
VAN ZINDEREN BAKKER, E. M., PHIL.NAT.D., Botany

Faculty of Social Sciecne:
KEYTER, J. D. W., M.A., D.PHIL., Sociology

Faculty of Education:
FOURIE, J. J., D.ED., Pedagogy
PRETORIUS, J. L., M.ED., D.ED., History of Education
(Vacant—Administration)

Faculty of Economic and Administrative Science:
DU PLESSIS, C. V. H., M.A., M.SC., D.PHIL., Economics
FAUL, M. A., B.COM., B.ED., C.A., Accountancy
FOURIE, F. C. V. N., B.A., B.COM., Commerce
FOURIE, P. C., M.ADMN., Public Administration
JOUBERT, W. A., B.COM., C.A., Accountancy

Faculty of Agriculture:
BURGER, R. DU T., M.SC., PH.D., Soil Conservation
CLAASENS, J. W., M.SC., PH.D., Dairy Industry
COETZEE, W. H. K., M.SC., PH.D., Biochemistry
DE VILLIERS, G. D. B., M.SC., D.SC., Agronomy
ELOFF, G., M.A., D.SC., Genetics
HARTWIG, E. K., M.SC., D.SC., Plant Pathology
HOFMEYR, J. H., M.SC., D.SC., Agronomy
LATEGAN, P. M., M.SC., D.SC., Microbiology
LUITINGH, H. C., M.SC., D.SC., Animal Husbandry
NEL, J. A., M.SC.(AGRIC.), Animal Husbandry
VON HEEVEN, D. F. I., M.SC., PH.D.

Faculty of Law:
VAN RHYN, J. N. R., DIP.PROC., D.R.S., Public Law
VAN TONDER, S. I. E., B.A., LL.B., Private Law

UNIVERSITY OF PORT ELIZABETH

P.O. BOX 1600, PORT ELIZABETH
Telephone: 2-7961.
Founded 1964.
Bilingual: Afrikaans and English.

Vice-Chancellor and Principal: Dr. E. J. MARAIS, D.SC.
Registrar: Mnr. H. VAN HUYSSTEEN, B.A., LL.B.
Librarian: J. G. KESTING, M.A., DIP.LIB.

Number of teachers: 32.
Number of students: 357.

DEANS:

Faculty of Arts: T. T. CLOETE, M.A., U.E.D., D.LITT. ET PHIL.
Faculty of Science: H. J. SCHUTTE, M.SC., DR.MATH.
Faculty of Education: S. J. SCHOEMAN, M.A., D.PHIL., D.ED.
Faculty of Commerce and Administration: D. J. J. BOTHA, M.COMM., EC.DR.

PROFESSORS:

BOTHA, D. J. J., M.COMM., EC.DR., Economics
BRUWER, J. P. VAN S., M.A., D.PHIL., Anthropology
CLOETE, T. T., M.A., U.E.D., D.LITT. ET PHIL., Afrikaans and Nederlands
COETZEE, J. A., M.A., D.PHIL., Geography
CRAUSE, H. L., M.A., D.PHIL., Sociology and Social Work
DAVIS, E., M.A., English
DE CONING, D., D.COMM., Business Economics
DE WET, J. F., D.SC., Physical and Inorganic Chemistry
DU PLESSIS, P. G. W., M.A., D.PHIL., Philosophy
ERASMUS, H. J., M.A., D.LITT., Classics
GARBERS, J. G., D.LITT. ET PHIL., D.ED., Educational Psychology
GOOSEN, A., M.SC., PH.D., Organic Chemistry
KRITZINGER, L., C.A., Accounting
SCHOEMAN, S. J., M.A., D.PHIL., D.ED., Philosophy of Education
SCHUTTE, H. J., M.SC., DR.MATH. Mathematics
STRÜMPFER, D. J. W., M.SC., PH.D., Psychology
SWART, M. J., M.A., D.PHIL., History
VAN DER MERWE, J. H., M.SC., PH.D., Applied Mathematics

POTCHEFSTROOM UNIVERSITY FOR CHRISTIAN HIGHER EDUCATION

(Formerly Potchefstroom University College for C.H.E.)

POTCHEFSTROOM, TRANSVAAL
Telephone: Potchefstroom 3361

Founded 1869; incorporated in University of South Africa as Constituent College 1921; assumed full university status as Potchefstroom University for Christian Higher Education, March 1951.

Chancellor: The Hon. J. DE KLERK, LL.D.
Vice-Chancellor and Principal: Prof. H. J. J. BINGLE, M.ED., D.PHIL.
Vice-Chairman of the Senate: Prof. J. S. VAN DER MERWE, M.SC., M.A.
President of Convocation: Prof. H. C. VAN ROOY, M.A.
Registrar and Treasurer: G. P. SCHOEMAN, B.A., B.COMM.
Librarian: Prof. H. C. VAN ROOY, M.A., F.S.A.L.A.

Library, *see* Libraries.

Number of lecturers: 169, including 58 professors.
Number of students: 2,350.

DEANS:

Faculty of Arts: Prof. W. N. COETZEE, M.A., M.ED., D.PHIL.
Faculty of Science: Prof. W. P. ROBBERTSE, M.SC., DR.SC.T.
Faculty of Theology: S. DU TOIT, M.A., M.DIV., D.D.
Faculty of Education: Prof. B. C. SCHUTTE, M.SC., D.ED.
Faculty of Economic Sciences: Prof. D. J. VILJOEN, D.COMM.

PROFESSORS:

Faculty of Arts:
BRANDT, P. A., M.A., D.PHIL., German
BREED, J., M.A., Bantu Languages
COETZEE, J. H., M.A., D.PHIL., Socia Anthropology and Native Administration
COETZEE, W. N., M.A., M.ED., D.PHIL., Latin
DU PLESSIS, J. S., M.A., D.LITT., History
DU PLESSIS, S. J., M.A., M.DIV., TH.M., D.D., D.LITT., Semitic Languages
HATTINGH, J. M., M.A., D.PHIL., Psychology
KRÜGER, D. W., M.A., D.LITT., History
POSTMA, A., M.A., Greek
ROBBERTSE, W. P., M.SC., DR.SC.T., Mathematics and Applied Mathematics
ROODE, M. C., B.MUS., Music
SMITH, D. P. J., M.ED., D.PHIL., Physical Education

SWANPOEL, H. L., LL.D., Law
TALJAARD, J. A. L., M.A., D.PHIL., Philosophy
VAN DER MERWE, J. S., M.SC., M.A., Geography
VAN DER WALT, C. P., D.PHIL., Politics
VAN DER WALT, P. D., M.A., D.LITT., Dutch and Afrikaans
VAN DER WALT, J. J. A., M.MUS., D.PHIL., Music
VAN DER WALT, J. P., M.A., D.PHIL., Sociology
VAN ROOY, H. C., M.A., Librarianship
VENTER, H., M.A., D.LITT., Dutch and Afrikaans
VENTER, J. A., M.A., D.LITT., English

Faculty of Science:
ACKERMANN, P. B., M.SC., Geology
BOTHA, P. J., M.SC., PH.D., Botany
DE WET, J. M., M.SC., D.I.C., PH.D., Statistics
GERRITSMA, K. W., DR.SC., DRS.FARM., Pharmacy
HAMERSMA, P. J., D.SC., Physiology
HATTINGH, J. M., M.A., D.PHIL., Psychology
LIGHTHELM, S. P., M.SC., PH.D., Industrial Chemistry
MEYER, M. A. DU T., M.SC., D.SC., Physics
POTGIETER, Mrs. M. M., M.SC.(DOM.SC.), Domestic Science
ROBBERTSE, W. P., M.SC., DR.SC.T., Mathematics and Applied Mathematics
RYKE, P. A. J., M.SC., D.S.C., Zoology
SCHOEMAN, C. F., M.A., D.PHIL., Commercial Psychology
SCHUTTE, B. C., M.SC., D.EDUC., Education
SMITH, D. P. J. ,M.ED., D.PHIL., Physical Education
STOKER, P. H., M.SC., D.SC., Physics
TIEDT, J., M.SC., PH.D., Chemistry
VAN DER MERWE, J. S., M.A., M.SC., Geography
VAN EEDEN, J. A., D.SC., Zoology

Faculty of Theology:
DU PLESSIS, H., M.A., Missiology
DU TOIT, S., M.A., M.DIV., D.D., Old Testament Exegesis
JOOSTE, J. P., D.D., Church Law and History
SNYMAN, W. J., B.D., THEOL.DRS., New Testament Exegesis
VAN DER WALT, S. J., M.DIV., D.D., Dogmatics
VAN DER WALT, S. P., M.A., D.PHIL., Apologetics, Ethics

Faculty of Education:
COETSEE, A. G., M.A., M.ED., D.PHIL., Education
PRELLER, S. J., B.SC., D.ED. Education
SCHUTTE, B. C., M.SC., D.ED., Education
SNYMAN, J. J., M.A., M.ED., D.ED., Education

Faculty of Economic Sciences:
COETZEE, F. J. J., M.COMM., D.ECON., Economics
DE WET, J. M., M.SC., D.I.C., PH.D., Statistics
ELS, J. H., D.COMM., C.A., Accounting
ERAMUS, D. P., D.COMM., Commerce
SORGDRAGER, A. J. E., M.COMM., D.ECON., A.C.W.A., A.M.B.I.M., A.I.C.B., Cost Accounting
VILJOEN, D. J., D.COMM., Commerce and Industrial Organisation

ATTACHED TO THE UNIVERSITY:

Africa Seminar.
Director: Prof. J. H. COETZEE, M.A., D.PHIL.

Calvinistic Foundation.
Director: (Vacant).

Conservatoire for Music.
Head: Prof. M. C. ROODE, B.MUS.

RESEARCH INSTITUTES:

Plant Physiology.
Head: Prof. P. J. BOTHA, M.SC., PH.D.

Economics.
Head: D. P. ERASMUS, D.COMM.

Music.
Head: J. J. A. VAN DER WALT, M.MUS., D.PHIL.

Zoology.
Head: P. A. J. RYKE, D.SC.

Physics.
Head: M. A. DU T. MEYER, M.SC., D.SC.

Cooperatives.
Head: F. J. J. COETZEE, M.COMM., D.ECON.

Automation.
Head: Prof. A. J. E. SORGDRAGER, D.ECON., B.A., A.C.W.A., M.B.I.M., F.C.M.A., A.I.C.B., A.S.A.I.M.

Retail Distribution.
Head: Prof. D. J. VILJOEN, D.COMM.

INSTITUTIONS IN CO-OPERATION WITH THE UNIVERSITY:

Theological School of the Reformed Church in South Africa.
Rector: Prof. S. P. VAN DER WALT, M.A., D.PHIL.

Potchefstroom College of Education.
Rector: Prof. J. H. JOOSTE, D.ED.

UNIVERSITY OF PRETORIA

BROOKLYN, PRETORIA
Telephone: 74-6071.
Telegraphic Address: Puniv, Pretoria.

Founded as Transvaal University College 1908. Granted Charter as University of Pretoria 1930.

Chancellor: The Hon. Dr. H. MULLER, M.A., D.LITT.
Vice-Chancellor and Rector: Prof. C. H. RAUTENBACH, M.A., D.PHIL., HON. D.U.
Head, Academic Administration and Registrar: Prof. E. M. HAMMAN, LL.D.
Head, Financial and Business Administration and Registrar: M. SMUTS, M.COM. (B. & A.).

Library, see Libraries.
Number of teachers: 551.
Number of students: 10,177.

DEANS:

Faculty of Arts: Prof. A. N. P. PELZER, M.A., D.PHIL.
Faculty of Science: Prof. H. L. DE WAAL, M.SC., DR.PHIL., D.SC.
Faculty of Agriculture: Prof. P. C. J. OBERHOLZER, M.SC. (AGRIC.), PH.D.
Faculty of Law: P. VAN WARMELO, LL.D.
Faculty of Theology: Section A, Prof. E. S. MULDER, THEOL.DRS., D.D.; Section B, Prof. E. P. GROENEWALD, M.A., TH.D.
Faculty of Commerce and Public Administration: Prof. H. J. J. REYNDERS, M.B.A., D.COM.
Faculty of Veterinary Science: Assoc. Prof. B. C. JANSEN, D.V.SC.
Faculty of Education: Prof. B. F. NEL, M.ED., LITT. ET PHIL.D., D.PHIL., HON. DR.LITT. ET PHIL., DRS.PED.
Faculty of Medicine: Prof. H. W. SNYMAN, M.B., B.CH., M.D.
Faculty of Dentistry: Prof. C. L. DE JAGER, B.A., B.D.S.
Faculty of Engineering: Prof. C. A. DU TOIT, B.SC., B.SC.(ENG.).

PROFESSORS:

Faculty of Arts:
BUNING, TJ., M.A., M.ED., D.LITT., Dutch
COERTZE, P. J., M.A., D.PHIL., Ethnology
CRONJÉ, G., M.A., LITT.ET.PHIL.DR., Sociology and Dramatic Art
GEY V. PITTIUS, E. F. W., M.A., PH.D. (ECON.), Political Science
GONIN, H. L., M.A., LITT.D., Latin
GROVÉ, A. P., M.A., D.LITT., Afrikaans and Dutch Literature
LEUE, J. A. E., D.PHIL., German
LOMBARD, J. A., M.A., PH.D., Economics
LOUW, S. A., M.A., D.LITT., LITT.DOCTS., Afrikaans, Dutch, and Germanic Linguistics
MALAN, J. P., D.PHIL., Music
MOSTERT, L. C., PH.D., German
OBERHOLZER, C. K., M.A., D.PHIL., D.ED., Philosophy
PELZER, A. N. P., M.A., D.PHIL., History
PIENAAR, P. DE V., M.A., PH.D., Speech Science and Logopædics
PISTORIUS, P. V., M.A., D.LITT., LITT.ET. PHIL.DR., Greek
REYNDERS, H. J. J., M.COM., M.B.A., D.COM., Economics
SABBAGHA, N. J. G., M.A., English
SCHEEPERS, G. H., M.SC., DR.RER.NAT., Geography
SCHLEBUSH, B. J., M.A., D.PHIL., Psychology
SMIT, C., DIPL.PHYS.ED., Physical Education
STOKER, D. J., M.SC., MATH.ET.PHYS.DR., Statistics
VAN ALPHEN, G., D.LITT., History of Afrikaans and Netherlands Culture
VAN DER MERWE, N. J., LL. D., Roman Dutch Law
VAN DER WESTHUYSEN, H. M., M.A., D.LITT., History of Art
VAN SELMS, A., TH.D., Semitic Languages
VAN WARMELO, P., LL.D., Roman Law and Jurisprudence
VAN WYK, E. B., M.A., D.LITT., Bantu Languages
VENTER, H. J., M.A., D.PHIL., Criminology
ZIETSMAN, P. J., M.SC., Mathematics
(Vacant—English)

Faculty of Science:
ACKERMAN, Miss E. M., M.SC., M.A., Domestic Science
BEEZHOLD, W. F., M.SC., MATH.ET.PHYS. DR., Applied Mathematics
DE WAAL, H. L., DR.PHIL., D.SC., Organic Chemistry
ELOFF, F. C., D.SC., Zoology
GROBBELAAR, N., M.SC., PH.D., Plant Physiology and Plant Biochemistry
LIEBENBERG, C. J., D.SC., Inorganic and Analytical Chemistry

MATTHEE, J. J., M.SC., PH.D., Entomology
MEIRING, A. L., B.ARCH., F.R.I.B.A., L.I.A., Architecture
MEYER, B. J., M.B., CH.B., D.SC., Physiology
MULLER, Mrs. T., M.B., CH.B., Anatomy
PRETORIUS, V., D.PHIL., Physical Chemistry
SCHEEPERS, G. H., M.SC., DR.RER.NAT. Geography
VERLEGER, H., DR.PH., DR.RER.NAT., Physics
WILLEMSE, J., M.SC., PH.D., Geology
VAN DER MERWE, J. H., M.SC., PH.D., Physics
VAN DER SCHIJFF, H. P., D.SC., Botany
ZIETMANS, P. J., M.SC., Mathematics

Faculty of Agriculture:
BONSMA, J. C., M.SC.(AGRIC.), Animal Husbandry
FÖLSCHER, W. J., M.SC., PH.D., Soil Science
HAYLETT, D. G., M.SC., PH.D., Agronomy
HOFMEYR, J. D. J., M.SC.(AGRIC.), PH.D., D.PHIL., Genetics
JANSE, A. J. T., F.E.S., D.SC. (Hon. Prof.), Systematic Entomology
KOLBE, F. F. H., D.SC.(AGRIC.), Agricultural Education and Extension
LE ROUX, P. M., M.SC.(AGRIC.), PH.D., Plant Pathology and Microbiology
LOMBARD, S. H., M.SC.(AGRIC.), PH.D., Dairying
MATTHEE, J. J., M.SC., PH.D., Entomology
OBERHOLZER, P. C. J., M.SC., PH.D., Horticulture
POTGIETER, D. J. J., M.SC.(AGRIC.), PH.D., Biochemistry
SMITH, D. J. G., M.S., D.SC.(AGRIC.), Agricultural Economics
(Vacant—Pasture Research and Agricultural Engineering, Sheep and Wool Husbandry)

Faculty of Law:
SCHMIDT, C. W. H., LL.D., Criminal, Constitutional, Administrative, Public International Law
VAN DER MERWE, N. J., LL.D., Roman Dutch Law, Private International Law
VAN WARMELO, P., LL.D., Roman Law and Juriprudence
(Vacant—Commercial and Industrial Law, Bantu Law)

Faculty of Theology (Section A):
ENGELBRECHT, B. J., D.D., Dogma and Christian Ethics
MULDER, E. S., THEOL.DRS., D.D., Old Testament Exegesis and Theology
PONT, A. D., M.A., D.D., History of Christianity
VAN RENSBURG, S. P. J. J., D.D., New Testament Exegesis and Theology
VAN ZYL, F. J., D.D., Philosophy of Religion and Missions
(Vacant—Practical Theology)

Faculty of Theology: (Section B):
DU PREEZ, A. B., M.A., TH.D., Philosophy of Religion, Dogma and Christian Ethics
DU TOIT, H. D. A., TH.D., D.D., Philosophy of Religion and Missions
GROENEWALD, E. P., M.A., TH.D., D.D., New Testament Exegesis and Theology
MARAIS, B. J., M.A., M.TH., D.PHIL., History of Dogma and Canon Law
VAN ZYL, A. H., M.A. D.D., Old Testament Exegesis and Theology
(Vacant—Practical Theology)

Faculty of Commerce and Public Administration:
DU PLESSIS, F. J., D.ECON., Money and Banking
GEY VAN PITTIUS, E. F. W., M.A., PH.D., Political Science
LOMBARD, J. A., M.A., PH.D., Economics
REYNDERS, H. J. J., M.COM., M.B.A., D.COM., Industrial Economics
STOKER, D. J., M.SC., MATH.ET.PHYS.DR., Statistics
(Vacant—Commercial and Industrial Law)

Faculty of Veterinary Science:
CLARK, R., D.V.SC., Veterinary Pharmacology and Physiology
DE BOOM, H. P. A., B.V.SC., Anatomy
DU TOIT, R. M., D.V.SC., Veterinary Parasitology
HOFMEYR, C. F. B., B.V.SC., Veterinary Surgery
JANSEN, B. C., D.V.SC., Bacteriology
OSTERHOFF, D. R., DR.(AGRON.), Zootechnics
SMIT, J. D., B.V.SC., Veterinary Pathology
VAN DER WALT, K., B.V.SC., Veterinary Medicine
VAN HEERDEN, J. S., B.V.SC., Genesiology and Artificial Insemination

Faculty of Education:
CRONJÉ, G., M.A., LITT.ET.PHIL.D., Sociology
NAUDE, Miss H. J., M.ED., U.T.L.M., L.T.C.L.
NEL, B. F., M.ED., LITT.ET.PHIL.D., D.PHIL., HON.DR.LITT.ET.PHIL.DRS.PED. Educational Psychology and Educational Sociology
OBERHOLZER, C. K., M.A., D.PHIL., D.ED., Educational Ethics
PELZER, A. N. P., M.A., D.PHIL., History of Education in South Africa
SMIT, C., DIP.PHYS.ED., Physical Education
VAN DER STOEP, F., D.ED., General History of Education and Pedagogics

Faculty of Medicine:
BARNETSON, J., M.B.CH.B., M.D., D.T.M. AND H., F.C.C.P., Pathological Anatomy
BOTHA, D., M.B., CH.B., M.MED., Pharmacology
COETZEE, J. N., M.B.GIL.B., M.D., Microbiology
DERKSEN, C., M.B., CH.B., M.CH., Surgery
FICHARDT, T., M.R.C.S., M.R.C.P., D.M.R.E., D.SC., M.D., Radiotherapy
GELDENHUYS, F. G., M.B., CH.B., M.D., M.R.C.O.G., Gynæcology and Obstetrics
KOK, O. V. S., M.B., CH.B., D.T.M., F.F.A.R.C.S., Anæsthetics
LAMONT, A. McE., M.B., CH.B., M.D., Psychiatry
LOUBSER, C. J. N., B.SC., B.A., M.B., CH.B., D.P.H., M.D., Forensic Medicine
MEYER, B. J., M.B., CH.B., D.SC., Physiology
MULLER, Mrs. T., M.B., CH.B., Anatomy
OOSTHUIZEN, S. F., M.D., D.SC., F.R.C.P., D.M.R., F.C.C.P., F.A.C.R., F.F.R., Radio-Diagnosis
PRETORIUS, P. J., M.D., Children's Diseases
SNYMAN, H. W., M.B., CH.B., M.D., Medicine

Faculty of Dentistry:
BARROWMAN, T. R., B.A., B.D.S., Prosthetics and Dental Mechanics
DE JAGER, C. L., B.A., B.D.S., Dental Pathology and Histo-Pathology
SCHOEMAN, P. J., B.SC., B.D.S., Conservation
SNYMAN, P. C., B.D.S., F.D.S.R.C.S., Oral Surgery

Faculty of Engineering:
DE VOS, D. W., B.SC.(ENG.), A.M.I.C.E., Civil Engineering
DU TOIT, C. A., B.SC.(MECH.ENG.), Mechanical Engineering
HEYMANN, F. G., M.SC.(ENG.), A.M.I.E.E. (S.A.), A.M.I.E.E. (LOND.), A.M.I.C.E., Electrical Engineering
LAMBRECHTS, J. DE V., D.SC., Mining Engineering
MARÉ, W., M.SC., Surveying and Town Planning
SCHOEMAN, D. T., M.SC. (ENG.), PH.D., Chemical Engineering
VAN ROOYEN, G. J., D.SC., M.COMM. (B. & A.), Metallurgical Engineering

RHODES UNIVERSITY

(Formerly Rhodes University College)

GRAHAMSTOWN

Telephone: Grahamstown 2004.

Telegraphic Address: Rhodescol.

Founded 1904.

Chancellor: P. J. DU TOIT, PH.D., DR.MED.VET., D.SC., D.VET.SC., LL.D., F.R.S.

Chairman of the Council: The Hon. Mr. Justice J. D. CLOETE, B.A., LL.B., Q.C., S.C.

Principal and Vice-Chancellor: J. M. HYSLOP, M.A., PH.D., D.SC., F.R.S.E.

Registrar: R. MARTIN, O.B.E., M.C.

Librarian: F. G. VAN DER RIET, M.A., DR. DE L'UNIV. DE PARIS, A.B.L.S.

Library, *see* Libraries.

Number of teachers: 134, including 32 professors.

Number of students: 1,647.

DEANS:

Faculty of Arts: D. H. HOUGHTON, M.A.(OXON.).
Faculty of Science: E. S. TWYMAN, M.SC., PH.D.
Faculty of Education: D. M. MORTON, M.A., ED.B.
Faculty of Commerce: H. H. SMITH, M.COM., PH.D.
Faculty of Divinity: W. D. MAXWELL, T.D., PH.D., D.D.
Faculty of Law: R. G. MCKERRON, M.A., D.C.L., Q.C.
Faculty of Social Science: J. IRVING, M.A., D.PHIL.

PROFESSORS:

ALLANSON, B. R., PH.D., Zoology and Entomology
ANTONISSEN, R. K. J. E., D.PHIL., D.LIT., Afrikaans-Nederlands
BRAAE, R., M.SC.(ENG.), M.S.A.I.E.E., M.I.E.E. Applied Mathematics
BRADSHAW, R., A.R.C.A., A.R.E., Fine Arts
BUTLER, F. G., M.A. (S.A.), M.A. (OXON.), English
CATTANEO, J. L., M.A. (S.A.), B.ÈS.L., French
CRUISE, S. E., M.A., Pure Mathematics
DIETRICH, B. C., PH.D., Classics
ERBE, H. E. W., PH.D., S.O.D., F.S.T.I., German
GERBER, J. J., M.ED., Education
GLEDHILL, J. A., M.SC., PH.D., Physics
GRUBER, G., D.PHIL., Music
HAMMOND-TOOKE, W. D., M.A., PH.D., Social Anthropology
HEWSON, L. A., M.A., PH.D., New Testament Studies
HINCHCLIFF, P. D., M.A., PH.D., P.D., Ecclesiastical History
HOUGHTON, D. H., M.A., Economics and Econonmic History
IRVING., J, M.A., D.PHIL., Sociology

McKerron, R. G., M.A., D.C.L., Q.C., Law
Maxwell, Mrs. W. A., M.A., B.LITT., History
Maxwell, W. D., T.D., PH.D., D.D., Divinity
Morton, D. M., M.A., Education
Mountain, E. D., M.A., D.SC., Geology
Nunn, J. R., M.SC., PH.D., Organic Chemistry
Oosthuizen, D. C. S., M.A., PHIL.DRS., Philosophy and Politics
Price, H., F.P.S., PH.C., F.R.I.C., M.P.S. (S.A.), Pharmacy
Prout, E. G., M.SC., PH.D., Chemistry
Rennie, J. V. L., M.A., PH.D., F.R.S. (S.A.), Geography
Roberts, H. M., B.COM., C.A. (S.A.), Accounting
Shuttleworth, S. G., M.SC., PH.D., F.R.I.C., F.B.S.I., Leather Industries Research
Smith, H. H., M.COM., PH.D., Commerce
Smith, J. L. B., M.SC., PH.D., F.R.S. (S.A.), Ichthyological Research
Twyman, E. S., M.SC., PH.D., Botany
Veldsman, D. P., M.SC., D.SC., Wool Textile Research
Wild, E. H., M.SC., PH.D., Psychology

UNIVERSITY OF SOUTH AFRICA

P.O. BOX 392, PRETORIA

Telephone: 33621, Pretoria.
Telegraphic Address: Unisa, Pretoria.

Founded 1873, Royal Charter 1877.

Since 1951 the University has been a correspondence and examining institution, accepting only external students; multi-racial, bilingual.

Chancellor: Dr. F. J. de Villiers, M.SC., PH.D., D.SC., F.R.I.C.
Vice-Chancellor and Principal: Prof. S. Pauw, M.A., D.PHIL.
Chairman of the Council: Prof. S. P. E. Boshoff, M.A., LITT.D., D.LITT. ET PHIL. h.c. (O.F.S.) and (S.A.).
Registrar: B. F. J. van Rensburg, M.COM.
Librarian: H. O. K. Zastrau, H.DIP.LIB.

Number of lecturers: 155.
Number of students: 17,907.
Publications: *Communications of the University of S. Africa, Mousaion, University Calendar and Prospectus, Unisa, Codicillus.*

Deans:

Faculty of Arts: Prof. H. J. J. M. van der Merwe, M.A., D.LITT.
Faculty of Commerce and Administration: Prof. H. S. Steyn, M.SC., D.SC., PH.D.
Faculty of Education: Prof. D. H. Cilliers, M.A., M.ED., D.PHIL.
Faculty of Law: Prof. W. A. Joubert, M.A., LL.D.
Faculty of Science: Prof. J. H. van der Merwe, M.SC., PH.D.
Faculty of Social Science: Prof. I. J. J. van Rooyen, M.A., D.PHIL.
Faculty of Divinity: Prof. J. A. Lombard, D.D.

Professors:

Battiss, W., B.A.(F.A.), F.R.S.A., F.I.A.L., History of Art and Fine Arts
Beeton, D. R., M.A., D.LITT.ET.PHIL., English
Blignaut, F. W., M.A., D.LITT ET PHIL., Psychology
Cilliers, D. H., M.A., M.ED., D.PHIL., Education; Method and Administration
Cilliers, H. S., LL.D., C.A. (S.A.), Accounting
Cilliers, J. A., M.COM., C.A. (S.A.), Accounting
de Vleeschauwer, H. J., PHIL.D., CAND.HIST., LL.D., Philosophy and Bibliography
du Toit, L. M., M.COM., C.A. (S.A.), Auditing
Eybers, I. H., M.A., TH.D., PH.D., Theology
Geerling, R., M.D., Psychology
Haffter, P., D.PHIL., French and Italian
Hosten, W. J., B.A., LL.B., Roman Law and Comparative Law
Jonker, W. D., M.A., TH.D., Theology
Joubert, W. A., M.A., LL.D., Private Law
Krogh, D. C., M.A., EC.DRS., D.PHIL., Economics and Economic History
Lombard, J. A., D.D., Theology
Louw, M. H. H., M.A., PH.D., Political Science and Public Administration
Marais, G., M.COM., PH.D., Business Economics
Meyer, A. M. T., M.A., D.PHIL., Philosophy
Moolman, J. H., M.A., D.PHIL., Geography
Muller, C. F. J., M.A., D.PHIL., History
Myburgh, A. C., D.PHIL., Anthropology and Bantu and Native Law
Naude, C. P. T., M.A., D.LITT. ET PHIL., Classical Languages
Nienaber, P. M., PH.D., Private Law
Posthumus, M. A., D.LITT., Afrikaans-Nederlands
Radel, F. E., DIPL.RER.OEC., D.COM., Business Economics
Roux, A. S., M.A., D.PHIL., Psychology
Rund, H., PH.D., DR.HABIL., Mathematics and Applied Mathematics
Schneider, B. A. T., M.A., D.LITT. German
Steenkamp, W. F. J., ECON.DRS., Economics and Economic History
Steyn, H. S., M.SC., D.SC., PH.D., Mathematical Statistics
Steyn, J. L., M.A., D.LITT., Afrikaans-Nederlands
Strauss, S. A., LL.D., Public Law
van den Bogaerde, D.COM., Economics and Economic History
van der Merwe, H. J. J. M., M.A., D.LITT., Afrikaans-Nederlands
van der Merwe, J. H., M.SC., PH.D., Mathematics and Applied Mathematics
van der Walt, J. A., M.A., D.PHIL., Sociology
van der Walt, P. J., M.A., D.PHIL., Criminology
van Jaarsveld, F. A., M.A., LIT. ET PHILOS. DR., History
van Rooyen, I. J. J., M.A., D.PHIL., Social Work
van Wijk, T., M.A., History
Venter, E. H., D.ED., Empirical Education
Venter, I. S. J., D.ED., History of Education
Ver Loren van Themaat, DRS.JUR., Public Law
Viljoen, G. van N., M.A., D.LITT. ET PHIL., Classical Languages
Viljoen, S. P. du T., PH.D., Economics and Economic History
Ziervogel, D., M.A., D.LITT., Bantu Languages

Affiliated Colleges:

University College Durban: Durban; *see* following pages.

University College of Fort Hare: Fort Hare; *see* following pages.

University College of the North: Pietersburg; *see* following pages.

University College of Zululand: Ngoye; *see* following pages.

University College of Western Cape: Bellville, Cape Town; *see* following pages.

UNIVERSITY OF STELLENBOSCH

STELLENBOSCH

Telephone: 2222.
Telegraphic Address: University.

Founded 1918.

Chancellor: T. E. Dönges, M.A., LL.D., HON.D. PHIL.
Vice-Chancellor: Rev. J. S. Gericke, B.A.
Principal: H. B. Thom, M.A., D.PHIL.
Registrar: S. J. Pretorius, M.SC., PH.D.
Librarian: G. V. Marais, M.A.

Number of teachers: 400.
Number of students: 6,000.
Publications: *Annals of the University, Calendar.*

Deans:

Faculty of Arts and Philosophy: Prof. F. Smuts, M.A., D.LITT.
Faculty of Science: Prof. C. A. du Toit, M.SC., PH.D.
Faculty of Education: Prof. C. G. G. Gunter, M.A., D.ED., D.PHIL.
Faculty of Agriculture: Prof. I. S. Perold, M.SC., D.SC.(AGRIC.).
Faculty of Law: Prof. J. C. de Wet, LL.D.
Faculty of Theology: Prof. J. C. G. Kotzé, TH.D.
Faculty of Commerce: Prof. C. A. Smith, B.COMM., C.A.
Faculty of Engineering: Prof. R. Truter, B.A., B.SC.(ENG.), A.M.INST.C.E., L.K.INST.ENG.
Faculty of Medicine: Prof. F. D. du T. van Zijl, M.B., CH.M., F.R.C.S.
Faculty of Forestry: Prof. C. L. Wicht, DR.ING.
Faculty of Military Science: Prof. P. J. G. de Vos, M.SC., D.SC.

Professors:

Faculty of Arts and Philosophy:
Behrens, R. H., B.A., B.MUS., Music
Cilliers, S. P., M.A., D.PHIL., Sociology
De Villiers, M., M.A., PH.D., German Philology
Du Toit, J. M., M.SC., PH.D., Psychology
Engelen, A. P. F. L., DIPL.CONSERV., Antwerpen, Dramatic Art
Erlank, W. J., du P., D.LITT., Dutch
Fensham, F. C., M.A., D.D., PH.D., Semitic Languages
Harvey, C. J. D., M.A., English
Kempen, W., M.A., D.LITT., Afrikaans
Kirsten, J. F., M.A., D.PHIL., Philosophy
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Schröder, O., Fine Arts
Schüler, G. M. D., M.A., D.PHIL., Bantu
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Theron, Erika, M.A., D.PHIL., Social Work

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VAN DER MERWE, P. J., M.A., LITT.D., History
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GARBERS, C. G., M.SC., PH.D., Organic Chemistry
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MOUTON, W. L., M.SC., DR.MATH.SCI., Physics
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VAN ZIJL, F. D. DU T., M.B., CH.M., F.R.C.S., Surgery
WEBER, H. W., DR.MED., Pathology

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KAHN, E., B.COM., LL.B., Law

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NICOLSON, J. C., M.B., CH.B., D.A., R.C.P. & S., Anæsthesia
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STEIN, H. B., M.D., M.SC., B.CH., D.P.H., D.C.P., Chemical Pathology
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(Vacant—Pharmacology, Preventive and Social Medicine)

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Number of teachers: 57, including 13 professors.
Number of students: 390.

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Faculty of Commerce: Dr. J. G. SMAL, D.COMM.

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COETZEE, G. C., D.PHIL., History
DAVIDSON, J. T., M.SC., Physics
GALLOWAY, A. S., PH.D., F.R.I.C., Chemistry
GIFFEN, M. H., M.A., M.SC., Botany
GREEN, J. T., M.A., PH.D., English
JACOBS, K., LIT.HUM.DRS., D.LITT., Classics
JOUBERT, H. L. N., M.A., M.TH., D.D., Divinity
LIDDELL, R. H. R., M.A., D.D., Theology
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PONT, D., DR.JUR., Law
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SEBONI, M. O. M., D.ED., Education

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Number of students: 243.

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Faculty of Education: Prof. G. J. ACKERMANN, M.ED., D.ED., T.E.D.

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DU PLESSIS, D. J., M.SC., D.PHIL., Chemistry
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LOTZ, J. D. N., M.A., T.E.D., Zulu
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PETERS, F. K., M.SC., DR.ING., Physics
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Number of teachers: 54.
Number of students: 390.

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Faculty of Mathematics and Natural Sciences: Prof. A. J. B. WIID, M.SC., D.SC.

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SMUTS, M. W., M.A., D.LITT., English
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VAN DYK, T. A., M.A., Psychology
VAN HERRDEN, C., M.A., D.LITT., Afrikaans-Nederlands
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Faculty of Education:
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KGWARE, W. M., M.A., M.ED.

Faculty of Mathematics and Natural Sciences:
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Number of teachers: 57.
Number of students: 389.

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Faculty of Education: Prof. D. I. DE VILLIERS, M.SC., M.ED., PH.D.(LOND.).
Faculty of Science: Prof. C. M. VAN DER WESTHUIZEN, D.SC.

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GOUWS, J. B., D.SC., Botany
HEESE, K. W., M.A., D.PHIL., Psychology
LATEGAN, F. V., M.A., D.LITT., Afrikaans and Dutch
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Number of students: 898.

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EAST LONDON

Founded 1926.

Principal: R. T. Clark, M.A., F.I.A.C.

Number of staff: 94 full-time, 52 part-time.

Number of students: 1,130 full-time, 1,300 part-time.

Departments of Art, Commerce, Home Science, Music, Physical Education, Speech and Drama, Technology.

THE M.L. SULTAN TECHNICAL COLLEGE

CENTENARY ROAD, DURBAN

Founded 1946, for Indian students.

Principal: A. Pittendrigh, A.M., I.E.E., A.M.R. & E.I.

Number of teachers: 208.

Number of students: 3,472, including part-time.

The College has branches at Stanger, Verulam, Tongaat, Mount Edgcombe, Clairwood, Pinetown, Port Shepstone, and Pietermaritzburg.

NATAL TECHNICAL COLLEGE

P.O. BOX 953, DURBAN

Founded 1907.

President of Council: G. G. Campbell, LL.D.(Edin.), M.B., F.R.C.S.(Edin.), Hon.F.R.S.S.A.
Principal: Aston R. Williams, Ph.D., M.Sc., B.A., B.Ed.

Number of teachers: 100 full-time, 300 part-time.

Number of students: 8,000.

PIETERMARITZBURG TECHNICAL COLLEGE

PIETERMARITZBURG

Principal: M. H. C. Le Page, M.Sc., N.B.Dip.

Departmental Heads:

Commerce: C. E. Axelson, M.Com.
Technology: G. S. Stewart, M.Sc.
Technical High School: T. C. Nel, Natal Educ. Dip.

THE TECHNICAL COLLEGE, PORT ELIZABETH

P.O. BOX 794, PORT ELIZABETH.

Founded 1925.

Principal: Prof. M. N. S. Immelman, M.Sc.
Division of Technology: J. L. Goedhals, B.Sc.(Eng.).
Division of Commerce: F. E. Drennan, B.Comm., B.Ed., F.I.A.C.
Division of Chemistry: J. E. Potgieter, M.Sc., M.Comm.
Division of Art: D. Brink, B.A.
Division of Leather Trades: A. H. Gregory, F.B.S.I.

Number of students: 4,003.

PRETORIA TECHNICAL COLLEGE

CHURCH STREET EAST, PRETORIA
Telephone: 2-5231, 2-1136.
Telegraphic Address: Teknikol.

Founded 1906.

Chairman: J. H. Pretorius.
Vice-Chairman: Dr. H. J. Terblanche.
Principal: A. J. van Zyl, M.Ed., Ph.D.
Registrar: J. Botha, M.Com., A.S.A.I.M.

Number of teachers: 157 full-time, 273 part-time.

Number of students: 11,092.

Department of Technology consisting of Divisions of Mechanical, Electrical, Building and Civil Engineering, Science and Pharmacy, Basic Training Centre Lyttelton, Central Technical High School; Departments of Commerce, Languages and Professional Courses, Home Economics, Adult Education, Physical Education, Health and Recreation; Schools of Music and Art; Secretarial School.

WITWATERSRAND TECHNICAL COLLEGE

ELOFF STREET, JOHANNESBURG
Telephone: 23-1141 Johannesburg.

Founded 1925.

President: C. T. Long.
Vice-President: E. P. Drummond.
Principal: Dr. A. W. Rowe.
Registrar: D. Smart, B.Com., A.C.W.A.
Librarian: Mrs. G. M. Willey.

Number of teachers: 120 full-time, 250 part-time.

Number of students: 850 full-time, 9,000 part-time, 15,000 correspondence.

SPAIN

Population 30,430,700

ACADEMIES

The official Spanish Academies of Science, Literature and Art were reorganised by governmental decree in 1939, when their title of "Real" was restored to them in recognition of their historical origin. This decree ordains their incorporation with the Instituto de España (*q.v.*), thus forming a "Senado de la Cultura Española".

Madrid

Real Academia Española (*Royal Spanish Academy*): Calle de Felipe IV 4; Tel. 2 39 46 05; f. 1713, Charter granted 1714 by Philip V when various privileges were allowed to the Academy and the Academicians; first in order of precedence among the Royal Academies; library of 53,000 vols.; publs. *Diccionario de la Lengua Española, Gramática de la Lengua Española*, etc.

President: Ramón Menéndez Pidal.

Permanent Secretary: Rafael Lapesa.

Censor: Gerardo Diego.

Librarian: Vicente García de Diego.

Treasurer: Luis Martínez Kleiser.

Committee Member: Melchor Fernández Almagro.

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Alonso, Dámaso
Alonso Cortés, Narciso
Calvo Sotelo, Joaquín
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Cela, Camilo José
Cossío y Martínez-Fortún, José María de
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Sáinz Rodríguez, Pedro
Sánchez Mazas, Rafael
Zunzunegui y Loredo, Juan Antonio

Corresponding members: Spanish, 28; Spanish-American, 10; foreign, 36.

Real Academia de la Historia (*Royal Academy of History*): León 21, Madrid XIV; f. 1738; 2nd in order of precedence among the Royal Academies; library of 350,000 vols., 18,000 MSS.; publs. *Memorias, Memorial Histórico, Boletín*, historical works.

Director: Francisco J. Sánchez Cantón.

Permanent Secretary: Julio Guillén y Tato.

Censor: Luis Redonet y López Dóriga.

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Vega, Fr. Angel Custodio
Zabala y Lera, Pío

Real Academia de Bellas Artes de San Fernando (*San Fernando Royal Academy of Fine Arts*): Alcalá 13; f. 1744; 3rd in order of precedence among the Royal Academies; publs. *Boletín*; works on Fine Arts; has affiliated museums of paintings and sculpture; library of 24,600 vols., including 127 rare editions and 1,770 MSS.

Director: José Eugenio de Baviera y Borbón.

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Corresponding members: Spanish, 193; Prizewinners: *Premio de la Raza*, 43; foreign, 11; Spanish-American, 32.

Real Academia de Ciencias Exactas, Físicas y Naturales (*Royal Academy of Exact, Physical and Natural Sciences*): Valverde 22 and 24; f. 1847; 4th in order of precedence among the Royal Academies; publs. *Memorias, Revista, Anuario.*

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Corresponding members: Spanish, 36; foreign, 78.

Real Academia de Ciencias Morales y Políticas (*Royal Academy of Moral and Political Sciences*): Casa de los Lujanes, Plaza de la Villa 2; f. 1857; 5th in order of precedence among the Royal Academies; publs. historical and scientific works; library of 53,398 vols., 260 MSS., 300 periodicals.

President: JOSÉ DE YANGUAS MESSIA, Vizconde de Sta. Clara de Avedillo.

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PALACIOS RODRÍGUEZ, LEOPOLDO EULOGIO
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PERPINA, ANTONIO
VEGAS LATAPIE, EUGENIO

Corresponding members: Spanish, 21; foreign, 39.

Real Academia Nacional de Medicina (*Royal National Academy of Medicine*): Arrieta 12; f. 1732 as a group of famous court physicians, surgeons and pharmacists; present name 1917; 6th in order of precedence among the Royal Academies; 40 mems.; corresponding mems.: 93 Spanish, 57 foreign; publs. *Anales, Biblioteca Clásica de la Medicina Española* (16 volumes).

President: JOSÉ ALBERTO PALANCA Y MARTÍNEZ-FORTÚN.

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Librarian: CÉSAR GONZÁLEZ GÓMEZ.

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CORRAL Y GARCÍA, JOSÉ MARÍA DE
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VARA LÓPEZ, RAFAEL
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FERNÁNDEZ-GALIANO Y FERNÁNDEZ, DIMAS

Elected:
PIEDROLA GIL, GONZALO

Real Academia de Jurisprudencia y Legislación (*Royal Academy of Jurisprudence and Legislation*): Marqués de Cubas 13; f. 1730.

President: ESTEBAN DE BILBAO Y EGUÍA, Marqués de Bilbao y Eguía.

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Secretary: JOSÉ ANTONIO UBIERNA Y EUSA.

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Roca Sastre, Ramón María
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Elected:
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Alvarez Suárez, Ursicino
Hernández Gil, Antonio
Iturmendi Bañales, Antonio
Lapuerta y de las Pozas, José María
Navasqüés y Ruiz de Velasco, Emilio de, Conde de Navasqüés
Pemán y Pemartín, José María
Rosal Fernández, Juan del
Ruíz Jarabo Baquero, Francisco
Sanz-Orrio y Sanz, Fermín

Real Academia de Farmacia (*Royal Academy of Pharmacy*): Calle de Campoamor 18; f. 1589 as Congregación de San Lucas, 1737 as Real Colegio de Farmacéuticos, 1931 as Academia de Farmacia; library of 12,000 vols., 40 mems.; publ. *Anales* (monthly).

Director: Dr. Ricardo Montequi y Díaz de Plaza.
Vice-Director: Dr. José Ranedo Sánchez-Bravo.
Permanent Secretary: Toribio Zúñiga Sánchez-Cerrudo.
Deputy Secretary: Luis Blas Alvárez.
Censor: Salvador Rivas Goday.
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Ipiens Lacasa, Antonio
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Vega Portilla, José
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Academia de Cirugía de Madrid (*Madrid Academy of Surgery*): Avenida de José Antonio 34; f. 1931.

President: Dr. Tomás Rodríguez de Mata.

Academia Española de Dermatología y Sifilografía (*Spanish Academy of Dermatology and Syphilography*): Sandoval 7; f. 1909; library of 900 vols.; publ. *Actas Dermosifiliográficas.*

Members, 435; hon., 51; corresponding, 3.

Honorary Presidents: Prof. José Gómez Orbaneja, Prof. José Gay Prieto.
President: Dr. Enrique Alvarez Sáinz de Aja.
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Secretary-General and Editor-in-Chief: Dr. Luís de la Cuesta Almonacid.
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Treasurer: Dr. F. Daudén Valls.
Librarian: Dr. Julio Rodríguez Puchol.
Sections: Andaluza, Catalana, Valenciana, Vasco-Navarro-Aragonesa.

Academia Médico-Quirúrgica Española (*Spanish Academy of Medicine and Surgery*): Colegio de Médicos, Esparteros 11; f. 1891; 400 mems.; publ. *Anales.*

President: Manuel de Quadros Tejeiro.
Secretary: Vicente Pozuelo Escudero.

Academia Iberoamericana y Filipina de Historia Postal (*Spanish-American and Philippine Academy of Postal History*): Palacio de Comunicaciones, Dirección General de Correos y Tele-comunicación; f. 1930; publ. *Boletín* (quarterly).

President: Aníbal Martín García.
Secretary-General: José Jusdado Martín.

Members, 60; hon., 30; foreign, 28.

Barcelona

Real Academia de Bellas Artes de San Jorge (*Royal Academy of Fine Arts*): Casa Lonja, Paseo de Isabel II, Piso 2°; f. 1849; library of 1,500 vols.; publs. historical, literary and artistic works.

President: Federico Marés Deulovol.
Secretary-General: Antonio Ollé Pinell.
Treasurer: Amadeo Llopart Vilalta.
Librarian: Juan Subías Galter.

Members:

Painting Section:
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Real Academia de Ciencias y Artes de Barcelona (*Barcelona Royal Academy of Science and Arts*): Rambla de Estudios 115; f. 1764; library of 25,000 vols.; publs. *Nómina, Memorias.*

President: Dr. D. José Pascual Vila.
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Fontseré, Eduardo
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Ras Oliva, Enrique
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Santomá, Luis
Solé, Luis
Torroja, Antonio
Vidal L., José Maria
Vives, José Luis

Has affiliated:

Observatorio Astronómico Meteorológico y Sismico Fabra: Tibidabo, Barcelona; f. 1905.
Director: Dr. E. Fontseré.

Academia de Buenas Letras de Barcelona (*Barcelona Academy of Belles Lettres*): Calle de Casador 3; f. 1729; 24 mems.; publ. *Boletín*.
President: Ramón de Abadal y de Vinyals.
Secretary: Martín de Riquer.
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Academia de Ciencias Médicas de Barcelona (*Barcelona Academy of Medicine*): Via Layetana 31; f. 1878; publ. *Anales de Medicina*.
President: Prof. Juan Gibert-Queraltó.
Secretary: Dr. Federico Corominas Beret.
Members: 3,000.

Bilbao

Academia de la Lengua Vasca (*Academy of the Basque Language*): Ribera 6; f. 1919; 18 mems.; publ. *Euskera* (periodical).

Academia de Ciencias Médicas de Bilbao (*Academy of Medicine*): Concha 20-3°; f. 1897; 500 mems.; library of 4,000 vols.; publ. *Gaceta Médica del Norte*.
President: Dr. Enrique de Miguel y L. de Montenegro.
Secretary-General: A. Pascual Santamera.
Publication: *Gaceta Medica del Norte*.

Cadiz

Real Academia Hispano-Americana (*Royal Spanish-American Academy*): Plaza de San Francisco 3, Apdo. 16; f. 1910; 29 mems.; publ. *Boletín*.
Director: José María Pemán y Pemartín.
Secretary-General: Manuel Antonio Rendón y Gómez.

Córdoba

Real Academia de Ciencias, Bellas Letras y Nobles Artes (*Royal Academy of Science, Literature and Fine Arts*): Diputación Provincial; f. 1810; 28 mems., 28 corresponding mems.; publs. *Boletín* (half- yearly), scientific, historical and literary works.
Director: Dr. Rafael Castejón.
Secretary: Rafael Aguilar Priego.

Corunna

Real Academia Gallega (*Royal Galician Academy*): Palacio Municipal; f. 1905; 40 mems.; library of 20,000 vols., including valuable collection of books on Galicia; publs. *Boletín, Diccionario Gallego-Castellano*.
President: Sebastían Martínez Risco.
Secretary: Francisco Vales Villamarín.
Treasurer: Leandro Carré Alvarellos.
Librarian: Juan Naya Pérez.

Málaga

Real Academia de Bellas Artes de San Telmo (*Royal Academy of Fine Arts*): f. 1849; 28 mems.
President: José Luis Estrada Segalerva.
Secretary: Baltasar Peña Hinojosa.

Seville

Real Academia Sevillana de Buenas Letras (*Seville Royal Academy of Belles Lettres*): Plaza del Museo 8; f. 1751; 30 mems., including 2 elected; library of 5,000 vols.; publ. *Boletín de Buenas Letras* (quarterly).
Director: Pbro. José Sebastián y Bandarán.
Deputy Director: Rafael Laffon y Zambrano.
Censor: R.P. Francisco de la Hoz, s.d.b.
Secretaries: Juan Rodríguez Mateos, Francisco Alvarez Scisidor.
Librarian: Gabriel Sánchez de la Cuésta.
Treasurer: Manuel Beca Matios.

Real Academia de Bellas Artes de Santa Isabel de Hungria (*Royal Fine Arts Academy*): Plaza del Museo 8; f. 1660; 30 mems.; library of 1,327 vols.; publ. *Boletín* (annually).
President: José Hernández Díaz.
Secretary-General: Antonio Sancho Corbacho.
Treasurer: Manuel Lerdo de Tejada y Sánchez.
Librarian: Francisco Collantes de Terán.
Councillors: Santiago Martínez Martín, José Sebastián y Bandarán, Pedro Armero Manjón.

Real Academia de Medicina de Sevilla (*Royal Academy of Medicine of Seville*): Plaza de España; f. 1697; 28 mems.; corresponding mems.: Spanish 100, foreign 50; library of 6,000 vols.
President: Dr. D. Antonio Cortes Llado.
Secretary: Ildefonso Camacho Baños.
Librarian: Dr. Antonio González-Meneses.
Treasurer: Dr. José P. del Pobil.

Toledo

Real Academia de Bellas Artes y Ciencias Históricas de Toledo (*Toledo Royal Academy of Fine Arts and Historical Sciences*): f. 1916; 9 mems., 5 elected mems.; publ. *Boletín*.
Director: Julio Pascual Martín.
Secretary: Enrique Vera Sales.
Treasurer: José Gómez Luengo.
Archivist-Librarian: Emilio García Rodríguez.
Censor: Clemente Palencia Flores.

Valladolid

Real Academia de Bellas Artes de la Purisima Concepción (*Royal Academy of Fine Arts*): Calle del Rastro, Casa de Cervantes; f. 1746.
President: Dr. D. Nicomedes Sanz y Ruiz de la Peña.
Secretary: Dr. D. Nemesio Montero Pérez.
Members, 30.

Zaragoza

Real Academia de Nobles y Bellas Artes de San Luis (*Royal Academy of Fine Arts*): Plaza de José Antonio 6; f. 1792; library of 4,517 vols.; composed of 28 Academicians, 84 Spanish and 28 foreign corresponding members and variable number of delegates; comprises 5 sections (architecture, sculpture, painting, music, literature) and 3 permanent committees; publs. *Boletín* (irregularly), catalogues, works.
President: Teodoro Rios Balaguer.
Secretary-General: Joaquín Albareda Piazuelo.
Librarian: Mariano Burriel Rodrigo.

Academia de Ciencias Exactas, Fisico-Químicas y Naturales (*Academy of Exact, Physicochemical and Natural Sciences*): Facultad de Ciencias, Ciudad Universitaria; f. 1916; comprises sections on Exact Sciences, Physics and Chemistry, and Natural Sciences; publs. *Revista, Memorias, Conferencias*.
President: Francisco Pascual de Quinto.
Secretary: Julián Bernal Nievas.
Treasurer: Celso Gutiérrez Losa.
Librarian: Juan Martín Sauras.
Members 30: corresponding: Spanish 30, foreign 30.

Palma de Mallorca

Real Academia de Medicina y Cirugía de Palma de Mallorca (*Royal Academy of Medicine and Surgery*): 19 mems.
President: José Sampol Vidal.
Secretary: Santiago Forteza Forteza.

Academia Científico-Deontológica de La Hermandad Médico-Farmacéutica de San Cosme y San Damián: Calle Almudaina 28; f. 1932; 200 mems.; publ. *Actas*.
President: Dr. Santiago Forteza Forteza.
Secretary: Dr. Juan Gil Xamena.

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Madrid

Asociación Española de Bibliófilos (*Spanish Association of Bibliophiles*): Av. de José Antonio 31; f. 1945; membership limited to 300; edits fine editions for mems. only; Hon. Pres. EDUARDO AUNÓS; Pres. R.P. LUIS FULLANA.

Asociación de Escritores y Artistas Españoles (*Writers' and Artists' Association*): Calle del Rollo 2; f. 1872; Pres. MARQUÉS DE LOZOYA.

Asociación de Escritores Médicos (*Association of Medical Writers*): Fuencarral 113, Pral; f. 1929; 50 mems. in Madrid, 150 provincial corresponding; Dir. Dr. JUAN FERNÁN PÉREZ; publs. and lectures on history, art and literature as related to medicine.

Asociación de Pintores y Escultores de España (*Association of Spanish Artists and Sculptors*): Infantas 30; f. 1910; Pres. RAMIN FERREIRO; Perm. Sec. JOSÉ PRADOS LÓPEZ; annual autumn exhibition in Palacio del Retiro; publ. *Gaceta de Bellas Artes.*

Asociación Española para el Progreso de las Ciencias (*Spanish Association for the Development of Science*): Calle de Valverde 24; f. 1908; Pres. Prof. MANUEL LORA-TAMAYO; Sec. Prof. JOSÉ M. TORROJA; publs. *Las Ciencias* (6 times yearly), *Tomos de los Congresos, Tomos de los Coloquios, Historia de la Filosofía Española* (7 vols.).

Asociación Nacional de Químicos de España (*National Association of Chemists*): Lagasca, 81, 1° Madrid-6; f. 1945; 3,500 mems.; Pres. Dr. ANGEL VIAN ORTUÑO; Sec. ADELARDO SANCHIS BATALLA; publs. *Quimica e Industria* (bi-monthly), technical and professional works.

Ateneo Científico, Literario y Artístico (*Scientific, Literary and Artistic Athenæum*): Calle del Prado 21, Apdo. 272; f. 1820; 2,700 mems.; library of 180,000 vols. of modern works; Pres. JOSÉ MARÍA DE COSSÍO; Libr. ANTONIO LUENGO; publ. *Alteneo.*

Inspección General de Excavaciones Arqueológicas (*General Commission for Archæological Excavations*): Apdo. 1039; f. 1939; library of 3,200 vols. and 160 periodicals; Dir. Prof. GRATINIANO NIETO GALLO; Sec. FRANCISCO J. PRESEDO VELO; publs. *Acta Arqueológica, Informes y Memorias, Noticiario Arqueológico Hispánico, Excavaciones Arqueológicas en España.*

Consejo General de Colegios Oficiales de Peritos Agrícolas de España (*College of Agricultural Experts*): Plaza de Santo Domingo 13-1°-B; f. 1947; formerly Asociación Nacional de Peritos Agrícolas, f. 1880; 2,402 mems.; library of 2,300 vols.; Pres. JOSÉ LUIS LINAZA DE LA CRUZ; Sec. CONSTANTINO LAGARON YAÑEZ.

Consejo Superior de Investigaciones Científicas (C.S.I.C.) (*Council for Scientific Research*): Headquarters of the Council: Serrano 117; f. 1940; the object of the Council is to develop, direct and co-ordinate research in the fields covered by the universities, the various research institutes, schools and scientific bodies throughout the country, while endeavouring, at the same time, to preserve scientific initiative and encourage the contribution of the individual worker; it also sponsors systematic investigation in new branches of learning, or where work has hitherto been neglected or hindered by lack of financial support; library of 1,000,000 vols.; 11 Regional Delegations.

Librarian: AMADEO TORTAJADA FERRÁNDIS.

The C.S.I.C. is composed of eight *patronatos* (short descriptions of which are given below), covering the various branches of knowledge. It has a plenary council whose members are the honorary councillors of the organisation, and 180 ordinary members chosen from the *patronatos*; and an Executive Council composed of two representatives from each of the eight *patronatos* and of the following:

Honorary President: THE MINISTER OF NATIONAL EDUCATION.

Executive President: JOSÉ IBÁÑEZ MARTÍN.

First Vice-President: JOSÉ LÓPEZ ORTIZ, Bishop of Túy.

Second Vice-President: ANTONIO RÍUS MIRÓ.

Third Vice-President: GONZALO CEBALLOS Y FERNÁNDEZ DE CORDOBA.

Secretary-General: JOSÉ MARÍA ALBAREDA HERRERA.

Assistant Secretary-General: ANDRÉS PÉREZ-MASIÁ.

Patronato "Raimundo Lulio": Theological, Philosophical, Juridical Sciences; is composed of the following organistions:

Instituto "Francisco Suárez" de Teología.
Instituto "San Raimundo de Peñafort" de Derecho Canónico.
Instituto "Luis Vives" de Filosofía.
Instituto "San José de Calasanz" de Pedagogía.
Instituto "Francisco de Vitoria" de Derecho Internacional.
Instituto "Balmes" de Sociología.
Instituto Nacional de Estudios Jurídicos.
Departamento de Filmología.
Maioricensis Schola Lullística de Palma de Mallorca.
Centro de Estudios Económicos, Jurídicos y Sociales de Barcelona.
Seminario de Estudios Internacionales "Alvaro Pelayo".
Seminario de Estudios Internacionales "Jordan de Asso" de Zaragoza.
Consejo de Estudios de Derecho Aragonés.
Instituto Jurídico Español, en Roma.
Junta de Estudios Económicos, Jurídicos y Sociales.

Patronato "Marcelino Menéndez Pelayo": History, Philology and Art; library of 28,000 vols.; Librarian NICOLÁS FERNÁNDEZ VICTORIO; is composed of the following organisations:

Instituto "Antonio de Nebrija" de Filología Clásica: Escuela de Filología de Barcelona; Colegio Trilingüe de Salamanca; Seminario de Estudios Papirológicos, Madrid.
Instituto "Miguel de Cervantes" de Filología Hispánica: Department of Dialects and Popular Traditions, Madrid; Department of Geographical Linguistics and Dialects, Granada.
Instituto "Miguel Asín" de Estudios Arabes (*Arabic Studies*): schools in Madrid and Granada.
Instituto "Benito Arias Montano" de Estudios Hebraicos y Oriente Próximo (*Hebrew and Near East Studies*): schools in Madrid and Barcelona.
Seminario Filológico "Cardenal Cisneros".
Instituto "Jerónimo Zurita" de Historia.
(*a*) Escuela de Estudios Medievales.
(*b*) Escuela de Historia Moderna.
Instituto "Gonzalo Fernández de Oviedo" de Historia Hispano-Americana.
Escuela de Estudios Hispano-Americanos de Sevilla.
Instituto Histórico de Marina.
Instituto "Padre Enrique Flórez" de Historia Eclesiástica.
Instituto "Diego de Velázquez" de Arte.
Instituto "Antonio de Agustín" de Numismática.
Instituto Español de Arqueología "Rodrigo Garo".
Instituto Español de Musicología de Barcelona.
Instituto "Padre Sarmiento" de Estudios Gallegos.
Institución "Alfonso el Magnánimo", Valencia.

Escuela Española de Historia y Arqueología de Roma.
Instituto "Reyes Católicos", Granada.
Centro de Estudios e Investigación "San Isidoro", de León.
Centro de Estudios Jacobeos, Santiago de Compostela.
Centro de Etnología Peninsular de Barcelona (with a section in Madrid).
Instituto Español de Prehistoria.
Instituto "Luis de Salazar y Castro", Corporación Española de Estudios Genealógicos, Heráldicos y Nobiliarios.
Instituto Internacional de Cultura Románica.
Instituto de Estudias Sefardíes.

Patronato "Santiago Ramón y Cajal": Medicine and Animal Biology; is composed of the following organisations:

Instituto "Bernardino de Sahagún" de Antropología y Etnología.
Museo Etnológico.
Laboratorio de Genética de Investigación Biológica.
Instituto Español de Entomología.
Instituto "Santiago Ramón y Cajal" de Biologia.
Departamento de Anatomía de Zaragoza.
Instituto de Medicina Experimental.
Instituto de Farmacología Experimental.
Instituto "Gregorio Marañón".
Instituto de Cirugía Experimental.
Instituto de Investigaciones Médicas y Clínicas de la Universidad de Madrid.
Instituto Médico de Post-graduados de la Casa Salud "Valdecilla" de Santander.
Instituto "López-Neyra" de Parasitología de Granada.
Instituto Español de Medicina Tropical.
Departamento de Investigaciones Bromatológicas.
Instituto Español de Fisiología y Bioquímica.
Departamento de Farmacia Galénica.
Departamento de Fisio-Patología de la Reproducción Humana.
Instituto "Arnaldo de Vilanova" de Historia de la Medicina y de las Ciencias Naturales.
Centro de Genética Animal y Humana de Barcelona.
Departamento de Medicina Psicosomática.
Centro de Investigaciones de la Facultad de Farmacia.
Departamento de Química Física Biológica.
Instituto de Investigaciones Clinícas de la Facultad de Medicina de Salamanca.

Patronato "Alonso de Herrera": Agricultural Sciences and Plant Biology; is composed of the following organisations:

Instituto "Antonio José de Cavanilles" de Botánica.
Instituto "José de Acosta" de Zoología.
Instituto Botánico Municipal de Barcelona.
Instituto "José Celestino Mutis" de Farmacognosia.
Instituto Nacional de Edafología y Agrobiología.
- Instituto de Edafología y Biología Vegetal.
- Estación Experimental del Zaidín, Granada.
- Centro de Edafología y Biología Aplicada de Salamanca-Léon.
- Centro de Edafología y Biología Vegetal de Santiago.
- Centro de Edafología y Biología Aplicada del Segura.
- Centro de Edafología y Biología Aplicada del Cuarto de Sevilla.
- Centro de Edafología y Biología Aplicada de Tenerife.
- Centro Experimental Económico-Agrario "La Mayora".
- Departamento de Productividad y Economía Agraria.
- Departamento de Sedimentología y Suelos de Zaragoza.
- Estación Agrícola Experimental de León.
- Estación Experimental y de Enseñanza "La Poveda".
- Estación Experimental de "Aula Dei" de Zaragoza.

Instituto de Orientación y Asistencia Técnica del Sureste.
Instituto de Orientación y Asistencia Técnica del Oeste.
Instituto de Orientación y Asistencia Técnica del Ebro.
Misión Biológica de Galicia.
Instituto de Aclimatación de Almeria.
Instituto "Jaime Ferrán" de Microbiología.
Instituto de Investigaciones Geológicas "Lucas Mallada".
Centro Pirenaico de Biología Experimental.
Sección de Genética Experimental y Agrícola de Barcelona.
Instituto de Estudios Biológicos de Galicia.
Instituto de Hidrología.
Centro de Investigación Agrícola de Badajoz.
Departamento de Zootecnía de Córdoba.
Instituto de Investigaciones Veterinarias.

Patronato "Alfonso el Sabio": Mathematics, Physics and Chemistry; is composed of the following organisations:

Instituto Nacional de Matemática.
Instituto "Jorge Juan" de Matemáticas.
Instituto de Investigaciones Estadísticas.
Seminario Matemático de Barcelona.
Seminario Matemático de Zaragoza.
Consejo Nacional de Física.
Instituto "Alonso de Santa Cruz" de Física.
Instituto "Antonio de Gregorio Rocasolano" de Química Física.
Instituto Nacional de Geofísica.
Observatorio de Física Cósmica del Ebro de Tarragona.
Observatorio de Cartuja de Granada.
Observatorio Astronómico de Santiago de Compostela.
Unión Nacional de Astronomía y Ciencias Afines (U.N.A.C.A.).
Departamento de Cristalografía-Física.
Departamento de Química Inorgánica y Geoquímica.
Departamento de Química Analítica.
Departamento de Cálculo Electrónico.
Departamento de Física de Zaragoza.
Instituto de Ciencias Físicas.
Servicio de Microscopia Electrónica.
Centro de Cálculo Electrónico.

Patronato "Juan de la Cierva": Technical Research; **is composed of the following organisations:**

Instituto "Alonso Barba" de Química.
- Departamento de Plásticos.
- Departamento de Fermentaciones Industriales.
- Departamento de Química Vegetal.
- Sección de Lipoquímica.

Instituto "Daza de Valdés" de Óptica.
Instituto de Electricidad y Automática.
Instituto "Leonardo Torres Quevedo" de Instrumental Científico.
Instituto del Combustible.
Instituto del Carbón, Oviedo, subsidiary at Zaragoza.
Instituto "Eduardo Torroja" de la Construcción y del Cemento.
Instituto de Investigaciones Técnicas de Barcelona (Co-ordinating Centre).
Instituto de la Grasa y sus derivados (*Fats and By-products*).
Instituto Nacional de Racionalización del Trabajo (*Rationalisation of Labour*).

Centro Nacional de Investigaciones Metalúrgicas.
Instituto Nacional de Electrónica.
Centro Experimental del Frío (*Refrigeration*).
Instituto de Investigaciones Pesqueras (*Fishing Research*).
Asociación Electrotécnica Española (Co-ordinating Centre).
Laboratorio de Investigaciones Electroacústicas "Laffon-Selgas" (Co-ordinating Centre).
Instituto de Cerámica y Vidrio.
Delegación del Patronato "Juan de la Cierva" en Barcelona.
Centro de Información y Documentación.
Comisión Nacional de Energías Especiales.

Patronato "José María Quadrado": Local Studies and Researches:
Institución "Fernando el Católico" de Zaragoza.
Instituto de Estudios Ilerdenses, Lérida.
Instituto de Estudios Gerundenses, Gerona.
Instituto de Estudios Asturianos, Oviedo.
Instituto de Estudios Riojanos, Logroño.
Centro de Estudios Montañeses, Santander.
Instituto de Estudios Canarios, La Laguna.
Museo Canario, Las Palmas.
Junta de Cultura de Vizcaya.
Real Sociedad Vascongada de Amigos del País, de San Sebastián.
Institución "Fernán González", Burgos.
Academia "Alfonso X, el Sabio", Murcia.
Centro de Cultura Valenciana, Valencia.
Sociedad Castellonense de Cultura, Castellón.
Real Academia de Ciencias, Bellas Letras y Nobles Artes de Córdoba.
Institución de Servicios Culturales Extremeños de Badajoz.
Instituto de Estudios Malagueños, Málaga.
Instituto de Estudios Turolenses, Teruel.
Instituto "Diego de Colmenares", Segovia.
Institución "Tello Téllez de Meneses", Palencia.
Instituto de Estudios Ibicencos, Ibiza.
Museo de Pontevedra.
Instituto de Estudios Manchegos, Ciudad Real.
Instituto de Estudios Oscenses, Huesa.
Consejo de Cultura de Alava, Vitoria.
Instituto de Estudios Madrileños, Madrid.
Instituto de Estudios Jienenses, Jaén.
Instituto de Estudios Sorianos, Soria.
Institución Principe de Viana de Pamplona.
Museo Arqueológico de Linares.
Centro de Estudios Históricos Jerezanos.
Casa de la Cultura, de Cáceres.
Instituto de Estudios Tarraconenses "Ramón Berenguer IV".
Institución "Alonso de Madrigal", Avila.

Patronato "Diego Saavedra Fajardo": Geographical, Bibliographical and Economic Research and research on subjects affecting more than one *Patronato:*
Instituto "Juan Sebastián Elcano" de Geografía.
Instituto "Sancho de Moncada", de Economía, Biblioteconomía.
Departamento de Geografía Aplicada, Zaragoza.
Instituto "Nicolás Antonio" de Bibliografía.
Instituto de Estudios Africanos, Madrid.
Universidad Hispano-Americana de Santa María de la Rábida, Huelva.
Instituto de Estudios Pirenaicos, Zaragoza.
Instituto de Estudios Hispano-Mejicanos de Investigaciones Científicas, Madrid.

Other Cultural Centres:
Residencia de Investigadores: Pinar 21, Madrid.
Escuela-Residencia Femenina de Auxiliares de la Investigación: Jorge Manrique 27, Madrid.
Servicio de Defensa del Patrimonio Artístico Nacional: Ministerio de Educación Nacional; f. 1929; department for the protection of buildings and historic ruins; Dir. Francisco Iñiquez Almech; publs. catalogues and guides.

British Council, The (*El Consejo Británico*): Calle Almagro 5, Madrid 4; Rep. J. G. Bruton, O.B.E.

Consejo General de Colegios Médicos de España (*General Council of Medical Colleges*): Villanueva 11; f. 1930; 21 mems.; Pres. Dr. Antonio Crespo Alvárez; publ. *Boletín Cultural e Informativo* (monthly).

Consejo General de Colegios Oficiales de Farmacéuticos (*General Council of Official Colleges of Pharmacists*): Villanueva 11-4°; f. 1938; Pres. Alberto García Ortíz; publ. *Boletín de Información.*

Consejo Nacional de Colegios Oficiales de Doctores y Licenciados en Filosofía y Letras y en Ciencias (*National Council of Official Colleges of Doctors and Licentiates in Philosophy, Letters and Science*): f. 1944; 11,020 mems.; Pres. Eugenio Lostau Román; Sec.-Gen. Ezequiel Puig Maestro-Amado; publs. *Boletín* (official), *Educación y Cultura* (Zaragoza Univ.), *Minerva* (Valladolid Univ.), *Boletín Informativo* (Madrid Univ.), etc.

Deutsches Archaeologisches Institut (*German Archaeological Institute*): Serrano 159; Dir. Prof. Dr. Helmut Schlunk.

Deutsches Kulturinstitut (*German Cultural Institute*): Plaza del Marqués de Salamanca 4, Madrid-6; also at Barcelona-7, Avda. de José Antonio, 591.

Dirección General de Arquitectura (*Dept. of Architecture*): Amador de los Rios 5; f. 1940; Dir. Francisco Prieto Moreno; publs. *Revista Nacional de Arquitectura* (monthly), *Boletín* (quarterly).

Dirección General de Relaciones Culturales (*Cultural Relations Department*): Ministerio de Asuntos Exteriores, Plaza de la Provincia 1, Madrid 12; f. 1926; exhibitions, exchange of professors and lecturers, scholarships, etc.; Dir.-Gen. Alfonso de la Serna Gutiérrez-Répide; publs. *Indice Cultural Español* (in English, French, Spanish and German), facsimiles of rare works, modern cultural works.

Estación de Fitopatología Agrícola (*Plant Pathology and Entomology Research Station*): Avda. Puerta de Hierro; f. 1888; attached to the Instituto Nacional de Investigaciones Agronomicas; Dir. Francisco Domínguez García-Tejero; publs. *Boletín de Patología Vegetal y Entomología Agrícola.*

Federación Española de Religiosos de Enseñanza (FERE) (*Spanish Federation of Religious Teaching*): Claudio Coello, 32, Apto. 1267; f. 1958; groups all the centres of elementary, secondary and higher education of the Catholic Church; there are 2,500 centres; publs. *Educadores* (Teachers' Review), *Boletín de la FERE.*

Federación Internacional Veterinaria de Zootecnia: Isabel la Católica 12, Apdo. 1200; 30 countries are members; Pres. A. de Vuyst (Louvain, Belgium); Sec.-Gen. Prof. Dr. C. L. de Cuenca (Madrid); publs. *Zootechnia* (*Acta Societatis Internationalis Veterinariorum Zootechnicorum*) (from 1952).

Fundación Juan March: Nunez de Balboa, 68; f. 1955; awards monetary prizes to Spanish professors and scholars in the arts and sciences; Sec. Alejandro Bergamo.

Institut Français (*French Institute*): 10 Marqués de la Ensenada; Dir. P. Guinard; also at Barcelona.

Instituto Alemán: Plaza de Salamanca, 4; f. 1962; Dir. Dr. W. Bruggemann.

Instituto Arqueológico del Ayuntamiento de Madrid (*Archæological Institute of the City of Madrid*): Parque de la Fuente del Berro; conducts research into the archæology of Madrid and environs; library (10,600

vols.), laboratory and museum; Dir. Prof. Dr. JULIO MARTÍNEZ SANTA-OLALLA; Council Delegate BLAS PÉREZ MARTÍN; Chief Archaeologist BERNARDO SÁEZ MARTÍN; Archives Curator ESTHER BACHILLER LÓPEZ; publ. *Anuario de Arqueología Madrileña.*

Instituto de España (*Institute of Spain*): Amor de Dios 2; f. 1938; mems. of the Institute are Academicians of the Reales Academias (Española, de la Historia, de Bellas Artes, de Ciencias Exactas, Físicas y Naturales, de Ciencias Morales y Políticas, de Medicina); Pres. LEOPOLDO EIJO GARAY, Patriarch of the Indies and Bishop of Madrid-Alcalá; 1st Vice-Pres. JOSÉ MARÍA PEMÁN Y PEMARTÍN; 2nd Vice-Pres. Marques DEL SALTILLO; Sec. VICENTE CASTAÑEDA Y ALCOVER; Vice-Sec. TORIBIO ZÚÑIGA SÁNCHEZ-CERRUDO; Censor JOSÉ ANTONIO UBIERNA EUSA; Auditor LUIS CEBALLOS; Chancellor BALDOMERO ARGENTE; Treas. SANTIAGO CARRO GARCÍA; Librarian JOSÉ FRANCÉS; publs. *Anuario*, related works, educational text-books.

Instituto "Antonio de Nebrija" de Filologia (*Philological Institute*): Calle Duque de Medinaceli 4; Dir. MANUEL FERNÁNDEZ-GALIANO; Vice-Dir. MARIANO BASSOLS; Sec. FRANCISCO RODRÍGUEZ ADRADOS; attached to C.S.I.C.; publ. *Emerita.*

Instituto Botánico "Antonio José Cavanilles" (*Botanical Institute*): Jardín Botánico, Plaza de Murillo 2; f. 1945; Dir. Dr. SALVADOR RIVAS GODAY; Sec. Dr. E. F. GALIANO; publ. *Anales*; is a Department of the Consejo Superior de Investigaciones Científicas.

Instituto Cajal (*Santiago Ramón y Cajal Institute of Biological Research*): Velázquez, 138, Madrid 6; f. 1906; library of 16,000 vols.; Dir. ALFREDO CARRATO IBÁÑEZ; Sec. Dr. FERNANDO MARÍN GIRÓN; a Department of the C.S.I.C.; publs. *Trabajos.*

Instituto de Cultura Hispánica (*Institute of Hispanic Culture*): Avenida Reyes Católicos, Ciudad Universitaria; f. 1941; the Institute aims at promoting cultural understanding between Spain and America by helping university students, organising conferences, cultural exchanges, maintaining an information department and a department of technical co-operation, by arranging exchanges between university teachers, and by organising congresses and cultural exhibitions; there is a large library open to students and a radio, cinema and theatre unit; the Institute also includes a centre for Latin American juridicial studies and there is the Christopher Columbus Council which co-ordinates activities concerned with the discovery of America; Dir. GREGORIO MARAÑÓN; Sec.-Gen. ENRIQUE SUÁREZ DE PUGA; publs. include *Fuentes del Derecho Indiano, Incunables Americanos, Historia y Geografía, Ambos Mundos, Colección Jurídica, Constituciones de Hispanoamérica, Códigos civiles iberoamericanos* and periodicals *Mundo Hispánico* (monthly), *Cuadernos Hispanoamericanos* (monthly).

Instituto de Estudios Africanos (*Institute of African Studies*): Castellana 5; f. 1945; 20 mems.; Dir. JOSÉ DIAZ DE VILLEGAS Y BUSTAMENTE; Sec. JOAQUÍN VENTURA BAÑARES Y LUÍS SAEZ DE GOVANTES; publs. *Africa* (monthly), *Archivos.*

Instituto de Estudios de Administración Local (*Institute for the Study of Local Government*): J. Garcia Morato 7; f. 1940; library of 20,371 vols.; Dir. CARLOS RUIZ DEL CASTILLO Y CATALÁN DE OCÓN; Librarian VICENTE SÁNCHEZ MUÑOZ.

Instituto de Estudios Políticos (*Institute of Political Studies*): Plaza de la Marina Española 8; f. 1939; the Institute organises lectures and seminars on political, economic, administrative and social questions.

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Library of 20,000 vols., access to the Senate Library of 100,000 vols.

Publications: *Revista de Estudios Políticos* (every 2 months), *Política Internacional* (every 2 months), *Revista de Administración Pública* (every 4 months), *Cuadernos de Política Social, Revista de Economía Política* (quarterly).

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Instituto de Ingenieros Civiles de España (*Institute of Civil Engineers*): General Goded 38; f. 1905; 5,000 mems.; Pres. GREGORIO LÓPEZ BRAVO DE CASTRO; Sec. FÉLIX GALLEGO Y QUERO; publs. various; comprises the following associations:

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Servicio de Inseminación Artificial Ganadera del Patronato de Biología Animal (*Artificial Insemination Service for Livestock*): Dirección General de Ganadería, Ministerio de Agricultura, Avenida de Puerta de Hierro; f. 1947; Head of Service Dr. DOMINGO CARBONERO BRAVO, Heads of Sections Dr. JOSÉ CRESPO GARCÍA, Dr. TOMÁS PÉREZ GARCÍA.

Instituto Español de Hematología y Hemoterapia (*Institute of Hæmatology and Hæmotherapy*): Gral. Oraá 15; f. 1940; Dir. Dr. CARLOS ELÓSEGUI; publ. *Anales*.

Instituto Español de Oceanografía (Ministerio de Comercio-Subsecretaria de la Marina Mercante): (*Spanish Institute of Oceanography*): Alcalá 27; f. 1919; comprises Physics, Chemistry and Marine Biology sections in Madrid, coastal laboratories at San Sebastián, Santander, Vigo, Málaga, Barcelona, Santa Cruz de Tenerife, and Palma de Mallorca; library of 6,000 vols.; research vessel "Xauen" (750 tons); 35 scientific mems.; 22 auxiliary; Dir.-Gen. Capitán D. DÁMASO BERENGUER Y DE ELIZALDE; Sub. Dir. J. CUESTA URCELAY; publs. *Boletín, Trabajos* (both irregular).

Instituto Forestal de Investigaciones y Experiencias (*Institute of Forestry Research*): Puerta de Hierro, Carretera de la Coruña, Km. 7, Apdo. 8111: f. 1922; library of 13,590 vols.; Dir. PLÁCIDO VIRGILIO SORRIBES; Sec.-Gen. MIGUEL AULLO URECH; publs. *Anales, Boletín* and *Comunicación*.

Instituto Geográfico y Catastral (*Geographical and Cadastral Institute*): Calle del General Ibáñez de Ibero 3; f. 1870; library of 11,000 vols.; Director-General VICENTE PUYAL GIL; comprises the following sections:

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Instituto Geológico y Minero de España (*Spanish Geological and Mining Institute*): Ministry of Industry, Rios Rosas 23; f. 1874; library of 40,000 vols.; Dir. Dr. ANTONIO ALMELA-SAMPER; Sec. LUIS BADILLO DIEZ; Sections: Geology, Mining Research, Geophysics, Subterranean Hydrology, Laboratories, Museum; publs. *Memoria General* (yearly), *Boletín, Notas y Comunicaciones* (quarterly), *Memorias del Instituto Geológico.*

Instituto Germano-Español de Investigación (*German-Spanish Research Institute for History*): Serrano 123.

Instituto Histórico de Marina (*Naval History Institute*): Ministerio de Marina, Montalbán 2; f. 1942; associated with the Consejo Superior de Investigaciones Científicas; for library *see* entry under Museo Naval; Dir. Cap. JULIO F. GUILLÉN.

Instituto Llorente (*Institute of Medicine*): Ferraz 9; f. 1894; library of 1,500 vols.; Dir. Dr. GABRIEL MEGÍAS; publs. *Anales*, monographs.

Instituto Nacional de Estadística (*National Statistics Office*): Ferraz 41; f. 1945; library of 27,450 vols.; Dir. FRANCISCO TORRAS HUGUET; publs. *Anuarios, Censos de la Población de España, Censo Electoral, Movimiento de Población, Boletines de Estadística, Estadísticas Especiales, Estadística Española*, etc.

Instituto Nacional de Geofísica (*National Institute of Geophysics*): Serrano 123; f. 1941; 26 mems.; Dir. LUIS LOZANO CALVO; Sec. GUILLERMO SANS HUELIN; publ. *Revista de Geofísica* (quarterly), *Boletín de Radioactividad* (yearly).

Instituto Nacional de Investigaciones Agronómicas (*National Institute of Agronomical Research*): Ministerio de Agricultura, Avda. Puerta de Hierro; f. 1940; library of 10,000 vols.; 105 mems.; Pres. Ing. Agr. MIGUEL ECHEGARAY ROMEA; Sec. Ing. Agr. MANUEL BATANERO MASEDA; Librarian MIGUEL OROZ PÉREZ DE LANDA; publs. *Boletín* (bi-annual), *Anales* (quarterly).

Instituto Nacional de Medicina y Seguridad del Trabajo (*National Institute of Medicine and Safety in Industry*): Pabellón 8, Facultad de Medicina, Ciudad Universitaria, Madrid 3; Dir. Prof. MANUEL BERMEJILLO MARTÍNEZ.

Instituto Nacional de Psicología Aplicada y Psicotecnía (*National Institute of Applied Psychology and Psychotechnics*): C. Juan Huarte de San Juan, Ciudad Universitaria, Madrid 3; f. 1929; Dir. Dr. JOSÉ GERMAIN; Sec. Dr. ENRIQUE GARCÍA MORENO; publ. *Revista de Psicología General y Aplicada* (quarterly; Ed. Dr. JOSÉ GERMAIN).

Instituto Nacional de Reeducación de Inválidos (*National Institute for Training Physically Handicapped*): Carabanchel Bajo, Madrid 19; f. 1922; Dir. AGUSTIN LOZANO AZULAS; publ. *Memorias y películas.*

Instituto Nacional del Libro Español (I.N.L.E.) (*National Institute of Spanish Books*): Ferraz 13; f. 1939; Dir. JULIÁN PEMARTÍN SANJUAN; publs. *El Libro Español* (monthly), *Catálogo General de la Librería Española; Guía de Editores y de Libreros.*

Istituto Italiano di Cultura (*Italian Cultural Institute*): Calle Mayor 86; Dir. Prof. ARNALDO BASCONE.

Jardín Botánico (*Botanical Gardens*): Plaza de Murillo 2; f. 1781; Dir. Dr. F. BELLOT; Sec. Dr. E. F. GALIANO; is a department of the Institute Botánico "A. J. Cavanilles" of the C.S.I.C.

Junta de Energía Nuclear: Ciudad Universitaria, Avenida Complutense 22, Madrid 3; f. 1951; controls and directs research and study in all application of nuclear energy to national purposes; 1,695 mems.; library of 8,500 vols., 35,000 reports, 40,000 microcards, 900 periodicals; Pres. JOSÉ MARIA OTERO NAVASCUES; Technical Sec.-Gen. FRANCISCO PASCUAL MARTÍNEZ; publs. *Energía Nuclear* (quarterly) and JEN reports.

Observatorio Astronómico de Madrid (*Madrid Astronomical Observatory*): Calle de Alfonso XII 3; f. 1854; attached to the Instituto Geográfico y Catastral; library of approx. 10,000 vols.; Dir. RAFAEL CARRASCO GARRORENA; publs. *Anuario Astronómico, Boletín Astronómico.*

Patrónato de Biología Animal: Embajadores 68; f. 1933; library of 3,000 vols.; 200 periodicals; Chiefs of sections: Dr. CARLOS L. DE CUENCA, Dr. GABRIEL COLOMO DE LA VILLA, Dr. DOMINGO CARBONERO BRAVO, Dr. CARLOS SÁNCHEZ BOTIJA; Dir. Dr. ANGEL CAMPANO LÓPEZ; publ. *Revista del Patronato de Biología Animal* (quarterly).

Real Sociedad Española de Física y Química (*Royal Spanish Society of Physics and Chemistry*): Facultad de Ciencias, Ciudad Universitaria; f. 1903; Pres. Prof. A. DURÁN MIRANDA; Sec. Prof. J. MORCILLO RUBIO; publ. *Anales* (monthly, in 2 parts: physics, chemistry).

Real Sociedad Española de Historia Natural (*Royal Spanish Natural History Society*): Museo Nacional de Ciencias Naturales; Pres. Prof. FRANCISCO HDEZ.-PACHECO; Sec. JOAQUIN TEMPLADO; publ. *Boletín* (quarterly).

Real Sociedad Fotográfica Española (*Royal Spanish Photographic Society*): Calle del Príncipe 16; f. 1899; 320 mems.; Pres. IGNACIO BARCELO VIDAL; Sec. RAFAEL ROMERO.

Real Sociedad Geográfica (*Royal Geographical Society*): Calle de Valverde 24, f. 1876; Pres. Lt.-Gen. ANGEL GONZÁLEZ DE MENDOZA; Perm. Sec. Dr. JUAN BONELLI Y RUBIO; publ. *Boletín.*

Real Sociedad Matemática Española (*Royal Spanish Mathematical Society*): Serrano 123; Pres. ALBERTO DOU MAS DE XEXAS; Sec. JULIO FERNÁNDEZ BIARGE.

Seminario de Astronomía y Geodesía de la Universidad de Madrid (*Research Centre of Astronomy and Geodesy of the University of Madrid*): Ciudad Universitaria; f. 1948; Dir. Prof. J. M. TORROJA; publs. *Publicaciones del Seminario de Astronomia y Geodesía* (irregular).

Seminario de Historia Primitiva (*Seminary of Primitive Cultures*): Jorge Juan 51; f. 1939; affiliated to UNESCO; library of 31,517 vols. and 513 periodicals; Museum of prehistoric and ethnological exhibits from Spain, Sudan, Morocco, Iran and the Sahara and Islamic pottery to 13th century (Dir. BERNARDO SÁEZ MARTÍN); brs. in Universities of La Laguna (Canary Islands) (Dir. Prof. Dr. E. SERRA RÁFOLS), Santiago (Dir. Prof. Dr. C. ALONSO DEL REAL), and Valencia (Dir. Prof. Dr. J. SAN VALERO APARISI); Dir. Prof. Dr. JULIO MARTÍNEZ SANTA OLALLA; publs. *Cuadernos de Historia Primitiva* (half yearly), *Disertaciones Matritenses, Notas, Monografías.*

Servicio Meteorológico Nacional (*National Meteorological Service*): Parque del Retiro, Apdo. 285; f. 1893; library of 12,000 vols.; 408 mems., 3,000 correspondents; Dir. LUIS AZCÁRRAGA; Dir. of Central Office PIO PITA; 4,000 stations; publs. *Boletín diario, Boletín mensual climatológico, Resúmenes anuales, Memorias, Textos, Instrucciones, Estadísticas, Calendario Meteorofenológico.*

Sociedad de Pediatria de Madrid (*Paediatrics Society*): Villanueva 11; f. 1913; 516 mems.; Pres. Prof. Dr. C. LAGUNA; Sec.-Gen. Dr. M. NAVARRO; publ. *Boletín de la Sociedad de Pedriatria de Madrid* (6 numbers annually).

Sociedad Española de Antropología, Etnografía y Prehistoria (*Spanish Society of Anthropology, Ethnography and Prehistory*): Apdo. 1014; f. 1921; 543 mems; library 7,050 vols. and 217 journals; Pres. José Luis de Arrese; Vice-Pres. Manuel Maura Salas; Sec. (Life) Dr. Julio Martínez Santa-Olalla; publs. *Actas y Memorias*, related works.

Sociedad Española de Patología Digestiva y de la Nutrición (*Society of Digestive and Nutritional Diseases*): Almagro 38; f. 1933; 800 mems.; Pres. Dr. Heliodoro G. Mogena; publ. *Revista Española de las Enfermedades del Aparato Digestivo y de la Nutrición*.

Sociedad Española de Radiología y Electrología Médicas y de Medicina Nuclear: Villanueva 11; f. 1946; 452 mems., 209 founder mems.; Pres. Dr. Fernando Manchón Azcóna; publ. *Boletín de la Sociedad Española de Radiología y Electrología Médicas y de Medicina Nuclear*.

Sociedad General de Autores de España (*General Society of Spanish Authors*): Fernando VI, 4, Apdo. 484; f. 1932; library of 20,000 vols., relating to the theatre and cinema only; Pres. Joaquín Calvo-Sotelo; Vice-Pres. Federico Moreno-Torroba; Adviser Jesús Ma. de Arozamena; Dir.-Gen. Guillermo Fernández Shaw; Sec.-Gen. Carlos Galiano de Prados; publ. *Boletín*.

Sociedad Veterinaria de Zootecnia de España (*Spanish Veterinary Society of Zootechnics*): Apdo. 1200; f. 1945; 250 ord. mems., 3,500 corresp. mems.; Pres. Dr. R. Diaz Montilla; Technical Sec.-Dir. Prof. Dr. C. L. de Cuenca; publs. *Proceedings of the First and Second International Veterinary Congresses of Zootechnics* (Madrid, 1947 and 1951), *Zootechnia* (quarterly).

Unión Nacional de Astronomía y Ciencias Afines (*National Union of Astronomy and Related Sciences*): Serrano 123; f. 1946; Sec. Rev. A. Romaña, s.j.; publs. *Urania* (quarterly, with Soc. Astronómica de España y América), Affiliations: *Observatorio Geofísico de Cartuja* (Granada), *Observatorio de Física Cósmica del Ebro, Observatorio Astronómico de la Univ. de Santiago, Seminario de Astronomía y Geodesia de la Univ. de Madrid.*

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Archivos de Enfermedades del Corazón y Vasos (*Archives of Diseases of the Heart and Vessels*): Mallorca 180, 2°, 1a; f. 1922; Dir. Dr. Manuel Martínez-González; publ. Spanish edition of *Zeitschrift für Kreislaufforschung*.

Archivos Españoles de Medicina Interna (formerly Archivos del Instituto de Medicina Práctica): Mallorca 180, 2°, 1a; Dir. Prof. Dr. Juan Gibert-Queraltó.

Asociación Amigos de los Museos (*Friends of the Museums' Association*): Palacio de la Virreina; f. 1933; 1014 mems., 16 hon., 79 associates, 48 protecting; Pres. Vizconde de Guell; Vice-Pres. Federico Marés; Sec.-Gen. Francisco de P. Fábregas; publs. *Historiales*, monographs.

Ateneo Barcelonés (*Barcelona Athenæum*): Calle Camuda 6; f. 1860; library of 115,100 vols.; 2,000 mems.; governed by a Directorate; Pres. Pedro Gual Villalbí; Libr. Felipe Mateu Llopis.

British Institute: Avd. Generalíssimo Franco 530; Dir. N. S. Whitworth.

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Colegio Notarial (*College of Notaries*): Calle Notariado 4, Barcelona 1; 192 mems.; Pres. Ramon Faus Esteve; Sec. Francisco Virgili Sorribes.

Colegio Oficial de Arquitectos de Cataluña y Baleares (*College of Architects of Catalonia and the Balearic Is.*): Plaza Nueva 5, Barcelona 2; f. 1931; Sec. Narciso de Prat; publs. *Cuadernos de Arquitectura, Indice de Artículos en Publicaciones Periódicas, Legislación para Arquitectos.*

Comisaría Provincial de Excavaciones Arqueológicas (*Provincial Commission of Archæological Excavations*): Puerto Príncipe 31; f. 1946; Pres. Baron d'Esponella; Dir. of Excavations Prof. J. de C. Serra Ráfols; publs. *Memorias, Ampurias* (monthly).

Comisión Provincial de Monumentos Históricos y Artísticos de Barcelona (*Barcelona Provincial Commission for the Preservation of Historical and Artistic Monuments*): Calle del Obispo Cassador 3, Plaza de San Justo; f. 1844; Pres. Pedro Mayoral Parracia; Sec. Felipe de Salvador y de Sola.

Instituto Agrícola Catalán de San Isidro (*Catalan Agricultural Institute*): Plaza de San José Oriol 4; f. 1851; Pres. Marqués de Alfarras; Sec.-Gen. Francisco Boldu Tomas; Librarian Mercedes Suaña Pons; publs. *Revista* (monthly), *Calendario del Payés* (yearly).

Instituto Alemán de Cultura: Avda. José Antonio 591; f. 1962; Dir. H.-R. Picard.

Instituto Amatller de Arte Hispánico (*Institute of Hispanic Art*): Paseo de Gracia 41; f. 1941; Dir. Prof. José Gudiol Ricart; Sec. Dr. Santiago Alcolea.

Instituto Antituberculoso "Francisco Moragas" (*Antituberculosis Institute*): Paseo de San Juan 20; f. 1932; library of 5,550 vols., 68 periodical publs.; Dir. Dr. Conrado Xalabarder; publ. *Publicaciones del Instituto* (biannually).

Institut d'Estudis Catalans (*Institute of Catalan Studies*): Carrer de París 150, Apartat 1146; f. 1907; first installed in the Palau de la Generalitat, 1932 in the ancient Casa de Convalescència of the Hospital de la Santa Creu; the Pres. of the three Sections preside in turn for four months each year; Sec.-Gen. R. Aramon i Serra; publs. *Anuari, Memories de la Secció Històrico-Arqueològica, Arxius de la Secció de Ciències, Butlletí de Dialectologia Catalana, Estudis Romànics, Biblioteca Filològica, Flora i Fauna de Catalunya, Butlletí de la Biblioteca de Catalunya, Publicacions del Departament de Música de la Biblioteca de Catalunya*, related works.

Members:

Secció Històrico-Arqueològica:
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Moll, Francesc de B.

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Alsina i Bofill, Josep
Bolos, Oriol de
Esteve, Antoni
Solé i Sabarís, Lluís

Associates:
Corresponding members in Spain, 21; foreign, 42

AFFILIATED SOCIETIES:

Institució Catalana d'Història Natural.
Societat Catalana de Biologia.
Societat Catalana de Ciències Físiques, Químiques i Matemàtiques.
Societat Catalana de Geografia.
Societat Catalana d'Estudis Històrics.
Societat Catalana d'Estudis Jurídics, Econòmics i Socials.
Biblioteca de Catalunya: library of 250,000 vols.

Instituto del Teatro (*Theatrical Institute*): Calle Elisabets 12; f. 1913; exhibitions of scenery, lectures, etc.; Dir. Dr. GUILLERMO DÍAZ-PLAJA; Sec. MONSERRATE GALMÈS MELIS; publs. works on the theatre.

Instituto Municipal de Historia de la Ciudad: Calle de Santa Lucía 1, Casa del Arcediano; f. 1943; the Institute has taken over and added to the activities of the former Archivo Histórico de la Ciudad; it organises excavations in Barcelona, lectures, exhibitions, visits to places of historical interest, and a series of weekly broadcast talks; library of 100,000 vols. Archives of Municipal records and local press; Dir. Dr. PEDRO VOLTES; publs. include *Barcelona: Divulgación Histórica, Estudios y Documentos.*

Instituto Químico de Sarriá (*Chemical Institute of Sarriá*): Calle Planella. (*See under* Colleges).

Instituto y Jardín Botánico de Barcelona (*Botanical Institute*): Parque de Montjuich, Avenida de Montañans. (*See under* Museums—Barcelona.)

Istituto Italiano di Cultura: Pasaje Mendez Vigo 5; Dir. Prof. MARIO FORTE.

Sociedad Astronómica de España y América (*Spanish and American Astronomical Society*): Av. del Generalísimo 377; f. 1911; 370 mems.; library of 2,425 vols.; lectures, courses, etc.; Acting Pres. Dr. JOACHIM FEBRER; Sec. ANTONIO PALUZIE-BORRELL; publs. *Urania* (quarterly), *Suplemento de Urania* (twice monthly).

Cadiz

Instituto y Observatorio Astronómico de Marina (*Naval Institute and Astronomical Observatory*): San Fernando; f. 1953; library of 21,500 vols., 8,000 maps and plans; Dir. VICENTE PLANELLES RIPOLL; Libr. DAVID ALMORZA; collaborates with the British and the American Nautical Almanac Offices, Le Bureau des Longitudes and Das astronomische Recheninstitut; publs. *Almanaque Náutico* (annual), *Efemerides Astronómicas* (annual), *Almanaque Aeronáutico* (quarterly), *Anales, Boletín.*

Granada

Observatorio de Cartuja (*Observatory of Cartuja*): Apdo. 32; f. 1902; Dir. R.P. ANTONIO DUE ROJO, S.J.; publs. *Boletín Mensual* (monthly), *Trabajos Científicos,* Series A and B (A, Astronomy; B, Geophysics).

Málaga

Sociedad Malagueña de Ciencias (*Málaga Scientific Society*): Rodríguez Rubí 3; f. 1872; Pres. Prof. Dr. MODESTO LAZA PALACIOS; publs. *Boletín* (interrupted), *Anales.*

Oviedo

Instituto de Estudios Asturianos (*Institute of Asturian Studies*): Plaza de Porlier 5; f. 1946; 50 mems.; Dir. JOSE VIRGILI VINADÉ; publs. *Boletín,* related works.

San Sebastián

Real Sociedad Vascongada de los Amigos del País (*Royal Society of Friends of the Basque Country*): Museo de San Telmo; f. 1764, the first of such societies in Spain; 24 mems.; organised Museo de San Telmo and Museo Naval, also Conservatorio Municipal de Música; f. Editorial de Libros Vascongados *Books in Basque*; collaborated in archæological exploration of the prehistoric cave dwellings of the district; is the Guipuzcoan Office of the Consejo Superior de Investigaciones Científicas, Madrid (*see above*); Dir. Dr. MANUEL DE ARANEGUI; publs. *Boletín* (quarterly), *Egan* (literary supplement), *Munibe* (natural sciences supplement), *Boletín de la Confradía Vasca de Gastronomía.*

Seminario de Filología Vasca "Julio de Urquijo" (*"Julio de Urquijo" Seminary of Basque Philology*): Palacio de la Diputación de Guipúzcoa; f. 1953 to encourage the use and scientific study of the Basque language; attached to the University of Valladolid; Dir. LUIS MICHELENA.

Sociedad de Estudios Vascos Eusko-Ikaskuntza (*Society for Basque Studies*): Palacio de la Diputación de Guipúzcoa, f. 1918; Pres. JULIÁN ELORZA; Gen. Sec. PEDRO DE GARMENDIA; Sec. ANGEL DE APRAIZ.

Grupo de Ciencias Naturales "Aranzadi": Museo de San Telmo; f. 1947; attached to the Real Sociedad Vascongada de los Amigos del País; aim: to encourage interest in the various branches of natural science; 1,520 mems.; Pres. EDUARDO CHILLIDA; Sec. JESUS ELOSEGUI; publs. *Munibe* (quarterly), *Eusko-Folklore* (annual), *Aranzadiana.*

Tarragona

Real Sociedad Arqueológica Tarraconense (*Archæological Society*): Mayor 39; f. 1844; 440 mems.; Pres. MIGUEL ALEU PADRENY; Sec. ANTONIO ADSERA MARTORELL; publ. *Boletín Arqueológico* (quarterly).

Tortosa

Observatorio del Ebro (*Ebro Observatory*): Apdo. 9; f. 1904; library of 16,000 vols., rare works dating from 1499; Dir. Rev. P. Dr. ANTONIO ROMAÑÁ, S.J.; Chiefs of Sections: Rev. P. J-O. CARDÚS, S.J., Rev. P. ED. GALDÓN, S.J.; Rev. P. J. CASANOVAS, S.J.; publs. *Boletín* in five series: (*a*) Heliophysics; (*b*) Meteorology; (*c*) Seismology; (*d*) Terrestrial Magnetism, Telluric Currents, Atmospheric Electricity; (*e*) Ionosphere; publs. *Memorias, Miscelanea,* etc.

Valencia

Instituto Aula de "Mediterráneo": Universidad de Valencia; f. 1942; 545 mems.; Dir. Dr. F. SÁNCHEZ-CASTAÑER; publ. *Mediterráneo, Guión de Literatura* (quarterly).

Instituto de Estudios Ibéricos y Etnología Valenciana (*Institute of Iberian Studies and Valencian Ethnology*): Diputación Provincial, Caballeros 2; f. 1950; Spanish mems. 22, foreign mems. 5; Dir. Prof. Dr. JULIAN SAN VALERO APARISI; Sec. Prof. JOSÉ CANO MARQUÉS; publs. *Estudios Ibéricos* (4 vols.), *Etnología Valenciana* (3 vols.).

Servicio de Investigación Prehistórica de la Excelentísima Diputación Provincial: Caballeros 2; f. 1927; palæolithic, neolithic, Bronze and Iron Ages, Iberian and colonial exhibits, Prehistoric Americana; specialized library of approx. 8,500 vols.; Dir. DOMINGO FLETCHER VALLS; publs. *La Labor del S.I.P. y su Museo, Trabajos Varios, Archivo de Prehistoria Levantina* (annual).

Zaragoza

Institución "Fernando el Católico" de la Excma. Diputación Provincial (C.S.I.C.): Palacio Provincial, Plaza de España; f. 1943; Sections: Philology, Literature, Art, Archæology and Numismatics, Folklore, History, Medicine, Geography, Economic and Social Studies, Exhibitions and Films, Architecture, culture, religion and agricultural studies; Pres. ANTONIO ZUBIRI VIDAL; Sec. ANTONIO SERRANO MONTALVO; Council of 14 representing the Church, University, Academies, Learned Societies and Municipal Corporations; mems.: 30 ordinary, 11 ex-officio, 31 hon., 69 corresp.; includes the Colegio de Aragón, whose Hon. Pres. JOSÉ IBÁÑEZ

Martín; Dean José Gascón y Marín; 40 mems.; periodical publs. *Archivo de Filología Aragonesa, Cesaraugusta, Seminario de Arte Aragonés, Estudios Pedagógicos, Archivos de Estudios Médicos Aragoneses, Cuadernos de Historia "Jerónimo Zurita", Cuadernos de Historia Diplomática, Zaragoza.*

Instituto de Arte (*Art Institute of the University of Zaragoza*): f. 1953; Dir. Prof. Julio Martínez Santa-Olalla; Sec. Prof. Milagros Navarro Pérez; Librarian Ma. Pilar Figueras Ucelay.

Mahón, Minorca, Balearic Is.

Ateneo Científico, Literario y Artístico (*Scientific Literary and Artistic Athenaeum*): Calle Cifuentes 25; f. 1905; library of 14,000 vols.; 420 mems.; Pres. Juan Victory de Febrer; Secs. Andrés Murillo, Lorenzo Lafuente Hernández; publ. *Revista de Menorca* (quarterly).

Palma de Mallorca, Balearic Is.

Centro Meteorológico de Baleares (*Meteorological Station*): Calle Antonio Planas 23; f. 1934; library of 300 vols.; Dir. José Ma. Jansá Guardiola; publ. *Boletín* (monthly).

Sociedad Arqueológica Luliana (*Archæological Society*); Almudaina 8; f. 1880; 208 mems.; library; museum; Pres. Juan Pons y Marqués; Sec.-Librarian Juan Muntaner; publ. *Boletín* (quarterly).

Las Palmas, Canary Is.

El Museo Canario (Sociedad de Ciencias, Letras y Artes) (*Scientific, Literary and Art Society*): Dr. Chil 33; f. 1879; incorporated with the Consejo Superior de Investigaciones Científicas; museum of Archæology, Ethnography, Anthropology and Natural Sciences; laboratories; important library (40,000 vols.), archives and periodicals relating to the history and primitive peoples of the Canaries; Pres. Dr. Juan Bosch Millares; Sec. Juan Rodríguez Doreste; Dir. Dr. Rafael O'Shanaham; Curator Simón Benítez Padilla; patronises the "Escuela Luján Pérez"; publ. *El Museo Canario* (quarterly).

Tenerife, Canary Is.

Real Sociedad Económica de Amigos del País de Tenerife (*Royal Economic Society of Friends of Tenerife*), La Laguna de Tenerife, Calle San Agustín 23; f. 1777: sections: *Intereses Morales, Intereses Materiales; Intereses Culturales, Intereses Económicos*; Dir. Coronel José Zamorano Lomelino; publs. works relating to the Canary Islands; library of 10,200 vols.; museum.

LIBRARIES

Madrid

Archivo Histórico Nacional (*National Historical Archives*); Calle Serrano 115; f. 1866; Dir. L. Sánchez Belda; Sec. Carmen Crespo Nogueira; publs. catalogues, indexes, historical documents, private library, 8,000 vols.

Biblioteca Central de Marina (*Central Naval Library*): Ministerio de Marina, Montalbán 2; f. 1856; 42,585 vols.; Dir. José María Guitián Vieito.

Biblioteca Central Militar (*Army Library*): Calle Martires de Alcalá 9; f. 1932; 186,021 vols. on military history; rare books, engravings, photographs, maps and plans; Dir. Col. José Mateos Rebollo.

Biblioteca Central del Ministerio del Aire (*Central Library of the Air Ministry*): Plaza de la Moncloa; f. 1927; reorganised 1942; 30,000 vols. on aeronautics, engineering, meteorology, chemistry, mathematics and military subjects; Dir. Luis Cuadra.

Biblioteca Central del Ministerio de Hacienda (*Central Library of the Ministry of Finance*): Calle de Alcalá 11; f. 1852; 16,931 vols. on economics, finance and Government legislation; Librarian Antonio Matilla Tascón.

Biblioteca de la Asociación Nacional de Ingenieros Industriales, Agrupación de Barcelona (*Library of the National Association of Industrial Engineers, Barcelona Group*): Layetana 39-30; f. 1863; 1,500 mems.; 17,000 vols.; Pres. Manuel García Madurell; Librarians Isabel Trabal, Gemma Batlle.

Biblioteca Ducal de Lerma: Genova 28; 14,500 vols., 600 MSS.; Librarian Pedro Longas.

Biblioteca del Ministerio de Asuntos Exteriores (*Library of the Ministry of Foreign Affairs*): Plaza de la Provincia 2, f. 1900; 35,094 vols.; works on history, geography; literature, international law, political and civil law; Dir. Luis García Rives.

Biblioteca del Ministerio de Educación Nacional (*Library of the Ministry of National Education*): Alcalá 34; f. 1900; reorganised 1941; 30,000 vols.; Dir. Luis de la Cuadra Escrivá de Romaní; publs. *Catálogo General con Apéndices (1944-53), Catálogo de la Sección de Educación y Enseñanza* (4 vols. 55, 59, 60, 65), *Catálogo de Materias.*

Biblioteca del Ministerio de Información y Turismo (*Library of the Ministry of Information and Tourism*): Zurbarán 1; f. 1942; 28,384 vols., and a newsprint collection of 11,710 vols., and 172,000 pamphlets; Dir. Ramón Fernández Pousa.

Biblioteca Nacional (*National Library*): Av. de Calvo Sotelo 20; f. 1712 as Royal Library; over 2,173,000 vols., 26,122 vols. of MSS., 3,000 incunabula, 45,000 rare books, prints, music, maps, reviews; magnificent Sala de Cervantes; Research Room; photographic and recording laboratories; loan service for specialists and students; Dir. Miguel Bordonau Más; Sec. José Almudevar Lorenzo (acting); publs. catalogues bibliographies, classics.

Biblioteca de la Escuela Técnica Superior de Ingenieros de Caminos Canales y Puertos (*Library of Special School for Road, Canal and Port Engineers*): Alfonso XII 3; f. 1799; 49,489 vols.; Dir. Luis Martín de Vidales; Librarian Tomás García Diego.

Biblioteca de la Escuela Técnica Superior de Ingenieros Industriales (*Library of the Special School for Industrial Engineers*): Paseo de la Castellana 86; f. 1905; 10,400 vols.; Dir. Fernando Rodríguez Avial; Librarian Maria Moliner Ruiz.

Biblioteca del Palacio Real (*Library of the Royal Palace*): Palacio Real; f. 1716; 300,000 vols.; fine collections of MSS., incunabula, music, rare editions dating from the 16th century, engravings and drawings; research library exclusively; Dir. Matilde López Serrano publs. historical works, catalogues.

Biblioteca de la Dirección General de Plazas y Provincias Africanas (*Library of the Department for African Provinces*): Paseo de la Castellana 5; f. 1949; works on Africa and Moorish Spain; Librarian María Asunción del Val.

Biblioteca de la Universidad de Madrid (*Madrid University Library*): f. 1341; second in importance in Madrid; one of the most complete in Spain; 631,605 vols., 270,000 pamphlets; Dir. Cesareo Goicoechea.

Biblioteca Hispánica (del Instituto de Cultura Hispánica): approx. 180,000 vols. ,includes library of Spanish and

Latin American incunabula, press and periodicals; Dir. JOSÉ IBÁÑEZ CERDÁ; Chief Publications Exchange Division, EL BARON DE COBAS DE BELCHITE.

Hemeroteca Municipal de Madrid (*Madrid Library of Spanish and Foreign Periodicals*): Plaza de la Villa 3; f. 1918; 18,000 bound vols., 3,600 periodicals; the library maintains a microfilm service and organises the exchange of scientific literature; Dir. Dr. EULOGIO VARELA HERVIAS.

Servicio de Publicaciones del Ministerio de Trabajo (*Publication Service of the Ministry of Labour*): Plaza Nuevos Ministerios; library with 65,000 vols. excluding pamphlets and newspapers; publs. *Revista de Trabajo* (quarterly), *Boletín Oficial del Ministerio de Trabajo* (monthly), *Jurisprudencia Social* (twice monthly), etc.

El Escorial

Real Biblioteca de San Lorenzo de El Escorial (*The Escorial Library*): El Escorial; f. 1575; 50,000 vols., 650 incunabula; MSS.: 2,000 Arabic, 2,090 Latin and vernacular, 72 Hebrew, 580 Greek; many rare and unique editions, including complete copy of the *Biblia Poliglota Complutensis* and of the *Biblia Poliglota* of Antwerp on parchment, and *Epítome de Anatomía*, by Vesalius, also on parchment; 10,000 engravings and prints; Dir. P. GREGORIO DE ANDRÉS.

Barcelona

Archivo de la Corona de Aragón (*Royal Archives of Aragon*): Condes de Barcelona 2; f. 9th century; auxiliary library of 7,280 vols.; Dir. FEDERICO UDINA MARTORELL; Vice-Dir. ANTONIO-M. ARAGÓ CABAÑAS; Sec. MERCEDES COSTA PARETAS; Chiefs of Sections: MARTA LLOVET SANZ, JOAQUÍN BLANCO MONTESDEOCA; publs. several works on the Royal House of Aragon, Guides, Catalogues and Indexes.

Archivo Diocesano (*Diocesan Archives*): Palacio Episcopal; f. 11th century, registers (1,200) from 1302; Diocesan Archivist Pbro. JOSÉ SANABRE SANROMÁ; publ. *El Archivo Diocesano de Barcelona* (1947).

Biblioteca Central de la Diputación Provincial de Barcelona (Biblioteca de Cataluña): Apdo. 1077, Carmen 47, Barcelona 15; f. 1914; 470,000 vols.; 14 special sections: Bibliografía Española de Italia (Colección Toda); Cervantina (Colección Bonsoms); Clásicos Griegos y Latinos; Raros (16th to 18th centuries); Bibliografía de Mosén Jacinto Verdaguer; Ediciones del Kempis (Colección Janer); Libros de Ajedrez (chess) (Colección Paluzie); Bibliografía de San Juan de la Cruz (Colección Soler); incunabula; Grabados, Mapas y Planos; Hemeroteca antigua; MSS., Documentos (Archivo de la Junta de Comercio); Música (Colecciones Carreras, Pedrell, Peña, etc.); Dir. Dr. FELIPE MATEU Y LLOPIS; Sec. Srta. ENRIQUETA CASAS; Honor. Keeper of Music Mons. HIGINO ANGLÈS; Keeper D. J. LLORENS; Keeper of MSS. Dr. PEDRO BOHIGAS; Keeper of the *Sección Cervantina* LUIS M. PLAZA; publ. *Catálogo de publicaciones* of the Central Library.

Dirección de Bibliotecas Populares y Especiales (*Barcelona Central Administration of Popular and Specialised Libraries*): Carmen 47, Apdo. 1077; f. 1914; Dir. Dr. FELIPE MATEU Y LLOPIS; Chief Srta. JUSTA BALLÓ; publs. *Anuario de la Biblioteca Central y de las Populares y Especiales*.

Biblioteca Balmes (*Balmes Library*): Durán y Bas 9-11; f. 1923; 25,000 vols.; Dir. JOSÉ VIVES; publs. *Analecta Sacra Tarraconensia*.

Biblioteca de la Asociación Nacional de Ingenieros Industriales (*Library of Nat. Asscn. of Industrial Engineers*): Layetana 39-3°; f. 1863; 1,200 mems.; 13,000 vols.; Pres. MANUEL GARCÍA MADURELL; Librarian ISABEL DE P. TRABAL TALLADA.

Biblioteca de la Cámara Oficial de Comercio y Navegación de Barcelona (*Library of Chamber of Commerce and Navigation*): Casa Lonja del Mar, Paseo de Isabel II; specialises in economic and commercial literature; 42,124 vols.; Dir. MERCEDES MASVIDAL COLL.

Biblioteca de la Cámara Oficial de la Industria de Barcelona (*Library of Barcelona Chamber of Industry*): Calle General Primo de Rivera 11; f. 1912; 18,703 vols.; Sec.-Gen. JOSÉ DAURELLA; Librarian JOSÉ BOFILL; publs. *Anuario Industrial de Cataluña Boletín Informativo* (monthly), *Noticiario de Commercio Exterior, Boletín Estadístico Coyuntutal.*

Biblioteca de la Delegación en Barcelona del Institute Nacional del Libro Español (I.N.L.E.) (*Library of the National Book Institute, Barcelona Office*): Via Layetana 158; f. 1930; 8,500 vols. on bibliography, copyrights, history and technology of books, etc.

Biblioteca de la Delegación Provincial de Barcelona de la Organización Nacional de Ciegos (*Braille Library*): Calle Ancha 2; f. 1939; 3,995 vols.; loan service.

Biblioteca del Centro Excursionista de Cataluña (*Library of the Mountaineering Centre*): Paradis 10: f. 1876; 3,000 mems.; *ca.* 17,000 vols., mostly on mountaineering; Lib.-Dir. JOSÉ GIRONA; publ. *Montaña* (every two months).

Biblioteca del Colegio de Abogados de Barcelona (*Barcelona College of Lawyers' Library*): Mallorca 283; f. 1832; 3,347 mems.; 85,122 vols.; Dean FEDERICO RODA VENTURA; Librarian JUAN RAVENTÓS PASCUAL; publ. *Revista Jurídica de Cataluña*.

Biblioteca del Colegio Notarial de Barcelona (*Library of College of Notaries*): Notariado 4; f. 1862 in present form, though in existence before 1395; 4,500 vols., 48,600 protocols from 13th century; Dean RAMÓN FAUS; Sec. FRANCISCO VIRGILI.

Biblioteca del Colegio Oficial de Farmacéuticos de Barcelona y su Provincia (*Library of Barcelona Province College of Pharmaceutists*): Via Layetana 94; f. 1926, reorg. 1942; 6,304 vols.; Dir. JOSÉ MARIA CALZADA BADÍA; publs. *Circular Farmacéutica, Boletín anexo.*

Biblioteca del Fomento del Trabajo Nacional (*Library of Dept. of Trade Development*): Via Layetana 32 and 34; f. 1889; 66,087 vols.; Librarian JUAN F. PALOMAR SAEZ; publ. *El Trabajo Nacional* (monthly).

Biblioteca del Instituto Municipal de Historia de la Ciudad: Casa del Arcediano, Calle de Santa Lucía 1; 100,000 vols., includes the collections of the Archivo Histórico de la Ciudad and the auxiliary library; the latter is divided into four sections: general and miscellaneous works published in Barcelona from the 16th century; the Massana Library, containing works on iconography and the history of costume; and a manuscripts section. The newspaper section has a collection of 6,000 periodicals dating from the earliest Spanish origins.

Biblioteca del Seminario de Química de la Universidad de Barcelona: f. 1940; 8,590 vols., 580 chemical and pharmaceutical periodicals; chemical and information and reference library; Dir. Dr. JOSE PASCUALVILA; Chief Librarian MARIA SERRALLACH; publ. *S.Q.U.B.*

Biblioteca Luis Faraudo de Saint-Germain (*Private Library*): Ali Bey 15, Piso 3; 6,000 vols.; specialises in works relating to Catalonia, Valencia, Balearic Is., Roussillon and Sardinia.

Biblioteca Universitaria y Provincial: Av. José Antonio 585; f. 1847; 350,000 vols., of which more than 5,000 are of the 16th century, 914 incunabula, 2,000 MSS. dating from 10th century; Dir. IGNACIO RUBIO CAMBRONERO.

Biblioteca y Colección Cervantina Sedó Peris-Mencheta (*Cervantes Collection*): Ronda San Pedro 23; f. 1926; 1,350 eds. of *Don Quijote de la Mancha* in some 50

languages; 538 eds. of other works by Cervantes, largest being *Viaje del Parnaso*; Founder and Propr. JUAN SEDÓ PERIS-MENCHETA.

Colección Teatral de Don Arturo Sedó (*Theatrical Library, owned by Arturo Sedó Guichard*): Gerona 89; f. 1940; 100,000 works, including Catalonian, Valencian and foreign theatres, MSS., autographs, rare eds., music, correspondence, theatrical history, programmes, etc.

Asociación Nacional de Archiveros y Bibliotecarios y Arqueólogos (Delegación de Cataluña y Baleares) (*National Association of Archivists and Librarians*): Biblioteca Central de la Diputación Provincial de Barcelona, Carmen 47 y Hospital 56, Apdo. 1077; Archivo de la Corona de Aragón, Calle Condes de Barcelona 2; Sec. FRANCINA SOLSONA CLIMENT.

Granada

Archivo de la Real Chancillería de Granada (*Archives of the Royal Chancery of Granada*): Palacio de la Audiencia Territorial, Plaza Nueva; f. 1505 by Ferdinand and Isabella; consists of 20,231 files of documents and 304 printed books of lawsuits settled by the *Tribunal de la Real Chancillería* from 1490 to 1830, covering the territory south of the Tagus; Dir. ELADIO DE LAPRESA MOLINA.

Jerez de la Frontera, Cadiz

Biblioteca, Archivo y Colección Arqueológica Municipal (*Town Library and Archæological Museum*): Plaza de la Asunción 1; library f. 1873 museum; 1933 27,000 vols.; historical series neolithic to Renaissance; important coin collection, Hispanic, Roman, Arab, ancient Spanish; increased by collections of objects recovered from excavations in Asta Regia relating to the Mediterranean Bronze Age I; archives include documents dating from the reconquest of Jérez by Alfonso El Sabio; Dir. MANUEL ESTEVE GUERRERO.

La Coruña

Archivo Regional de Galicia (*Regional Archives of Galicia*): f. 1775; comprise a total of 34,000 bundles of documents dating back to 1480, concerning 800,000 disputes and lawsuits relative to the clergy, the nobility and private persons; library of 3,500 vols. closely related to the archives and of special interest for research; Dir. Dr. ANTONIO GIL MERINO.

Pereleda (Gerona)

Biblioteca del Palacio de Pereleda (*The Palace of Pereleda Library*): f. 1882 by the Count of Pereleda; contains 55,000 vols., 200 incunabula, 20,000 pamphlets and 6,000 parchments on History and Art; Librarian Don MARTÍN COSTA.

Sabadell

Archivo Histórico de la Ciudad (*Historical Archives*): f. 1793 documents date from 1200; MS. of *El Libro de Privilegios y Formularios Notariales*, one dating from the 14th century; collection of local journals and reviews dating from 1853; Dir. ERNEST MATEU VIDAL.

Santander

Biblioteca de Menéndez Pelayo (*Menéndez Pelayo Library*): Rubio 6; comprises: (1) the private library of this writer, 45,000 volumes, not to be increased in number, left by him to the town; opened to the public 1915; (2) **Biblioteca de Menéndez Pelayo—Sección de Fondos Modernos** (*Section of Modern Works*) now housed in an adjacent building; opened to the public 1908; 70,000 vols.; both sections of Menéndez Pelayo Library inaugurated 1923 by Alfonso XIII; Dir. IGNACIO AGUILERA SANTIAGO; Sec. NICANOR DE LA OCEJA; publ. *Boletín* (quarterly).

Segovia

Archivo General Militar (*Military Archives*).

Seville

Archivo de la Casa de Medinaceli y Camarasa (*Medinaceli and Camarasa Archives*): Plaza de Pilatos 1; archives of IX-XX centuries; 8,000 files; Archivist JOAQUIN GONZALES MORENO; publ. *Histórica*.

Archivo General de Indias (*Archives of the Indies*): f. 1785; over 20,293 vols., 38,903 files; Dir. JOSÉ DE LA PEÑA; publs. include *Catálogo de Pasajeros a Indias durante los siglos* XVI, XVII and XVIII, *Catálogo de Documentos de la Sección Novena, Archivo General de Indias de Sevilla, Guía del Visitante Madrid* 1958.

Biblioteca Capitular Colombina: The Cathedral; f. 1450; 83,100 vols.; Dir. Dr. FRANCISCO ALVAREZ S.; Asst. Dir. FRANCISCO GUERRERO.

Simancas, Valladolid

Archivo General de Simancas (*Simancas General Archives*): f. 1545; 61,505 filed documents and 5,196 vols. of documents; library of 6,479 vols. on history; Dir. RICARDO MAGDALENO REDONDO; publs. *Guía del Investigador, Guia del Visitante* and 23 catalogues of 32 volumes each.

Toledo

Archivo y Biblioteca Capitulares (*Archives and Library of the Cathedral Chapter*): Catedral de Toledo; the *Archivo Capitular* contains 10,000 documents and files dating from 1086; the library contains 3,000 manuscripts dating from the 8th and 9th centuries, and 1,500 printed books; Dir. JUAN FRANCISCO RIVERA RECIO (*Canónigo Archivero Bibliotecario*).

Valencia

Archivo del Reino de Valencia: Plaza de Galicia; f. 1419; 47,228 manuscripts book (13th to 19th centuries), 7,317 files of manuscripts, 51,553 charters, deeds, etc., from the 13th century onwards; Dir. ROSA RODRÍGUEZ TRONCOSO.

Palma de Mallorca, Balearic Is.

Archivo Histórico de Mallorca (*Historical Archives of Majorca*): Palma, Lulio 5; f. 13th century; 17,630 vols.; *Códice de los Reyes*, dated 1334; Dir. JUAN PONS Y MARQUÉS.

MUSEUMS

Madrid

Casa de Sorolla (*Sorolla's House*): General Martínez Campos 37; f. 1932; permanent exhibition of some 350 of the artist's works, including drawings, water-colours, portraits, and his own art collections; Pres. of Com. Juan Contreras y López de Hagala, Marqués de Lozoya; del. mem. Francisco Pons Sorolla, Jr.

Instituto de Valencia de Don Juan (*Don Juan Institute of Valencia*): Fortuny, 43; f. 1916; historical archives, historical and art library of 10,024 vols.; illuminated MS. *Les Statuts de la Toison d'Or* with miniatures; museum of ancient Spanish industrial arts; Dir. Pedro Longás Bartibás.

Museo Arqueológico Nacional (*National Archæological Museum*): Serrano 13; f. 1867; library of 15,600 vols., medieval MSS. include Huesca Bible of 12th century, Cardeña *Beato* of 12th or 13th century, *Regla de San Benito* and *Calendario* of the Abbey of Las Huelgas de Burgos of 13th century; most notable archæological library in Spain; very rich collections relating to national prehistory, Iron Age, Roman Spain, medieval and modern times, numismatics, ivory carvings, Spanish pottery, Islamic pottery, brocades, tapestries; Dir. Dr. Joaquín M. de Navascués y de Juan; Librarian Dr. Luis Vázquez de Parga.

Museo Cerralbo: Ventura Rodríguez 17; f. 1924; the late Marquis of Cerralbo left his house to the nation as a Museum, together with his collection of paintings, drawings, engravings, porcelain, arms, carpets, coins, furniture; the paintings include pictures by El Greco, Ribera, Titian, Van Dyck, Tintoretto; Dir. Consuelo Sanz-Pastor Fz. de Piérola.

Museo de Arte Contemporáneo: Paseo de Recoletos 20; f. 1959; Spanish and foreign contemporary art; Dir. Fernando Chueca Goitia.

Museo Nacional de Ciencias Naturales (*Natural Science Museum*): Paseo de la Castellana 84; f. 1771 as Gabinete de Historia Natural by Carlos III; based on the valuable collections of Pedro Franco Dávila; mineral section noteworthy for rich exhibits from the Americas sent by the Viceroys; Dir. Dr. Francisco Hernández-Pacheco de la Cuesta.

Museo del Ejército (*Army Museum*): Méndez Núñez 1; f. 1804; some 8,000 exhibits; Dir. Gustavo Urrutia Gonzalez; publ. *Guía del Visitante*.

Museo Nacional de Etnológia (*National Anthropological and Ethnological Museum*): Alfonso XII 68; f. 1875; some 4,000 exhibits and about 1,000 skulls; famous collections from Spanish Guinea and the Philippines, and a complete collection of Chiu-Chiu mummies from Bolivia; library of 8,000 vols.; Dir. Prof. Claudio Esteva-Fabregat; publ. *Anuario de Estudios del Museo Nacional de Etnología*.

Museo Nacional de Ciencias Naturales (*Geological Museum*): Avda. del Generalísimo 84; f. 1771; sections of Geology, Physical Geography, Mineralogy, Palæontology; notable exhibits from the Americas; Dir. Francisco Hernández-Pacheco; publs. *Anales del Museo, Boletín de la Real Sociedad Española de Historia Natural* (*Sección Geológica*).

Museo de Historia Primitiva: Jorge Juan 51; Dir. Julio Martínez Santa-Olalla; Curator Bernardo Saez Martín (*See under* Seminario de Historia Primitiva.)

Museo Municipal de Madrid (*Madrid Museum*): Calle Fuencarral 787, Madrid-4; f. 1928; portraits, paintings, designs, engravings, plans, silversmiths' work, coins, ceramics, porcelain, paintings by Bayeu and Castillo for the Royal Madrid Looms, theatrical and bull-fighting relics, all showing history of Madrid; Dir. Enrique Pastor Mateos.

Museo Nacional de Artes Decorativas (*National Museum of Decorative Arts*): Montalbán 12; f. 1912; ceramics, glass, textiles, embroidery, fans, stamped leather, furniture, wood, iron, carpets, *nacimentos* (representations of the Nativity); Dir. Pilar Fernández Vega.

Museo Nacional de Arte Moderno (*National Museum of Modern Art*): Paseo de Recoletos 20; f. 1894; collections show Spanish art from 1800, including paintings by Anglada, Sorolla, Zuloaga, Solana and Regoyos; Dir. Enrique Lafuente Ferrari.

Museo Naval (*Naval Museum*): Ministerio de Marina, Montalbán 2; f. 1843; library of 10,500 vols.; engravings of sea battles; 1,202 vols. of manuscripts; some 12,000 original maps of the Americas and the Philippines dating from 1600; files containing over 17,800 photographs; Dir. Admiral Julio F. Guillén.

Museo del Prado (*National Museum of Paintings and Sculpture*): Calle de Felipe IV; f. 1819; paintings by Botticelli, Rembrandt, Velazquez, El Greco, Goya and Murillo, Reynolds, Holbein, Tiepolo, Ribalta, Rubens, Titian, Veronese, Tintoretto, Moro, Juanes, Menendez, Poussin, Ribera, etc.; Renaissance sculpture and silver-work; Dir. Francisco J. Sánchez Cantón; publs. *Dibujos de Goya*, Catalogues.

Museo de Pintura y Salas de Escultura: Alcalá 13.

Museo del Pueblo Español (*Museum of the Spanish People*): Plaza de la Marina 9; f. 1934; 15,000 exhibits, with special reference to folklore; Dir. Pedro Herrera Calvo; Sec. José Pérez Vidal; publs. Catalogues.

Museo de Reproducciones Artísticas (*Reproductions of Works of Art*): Alfonso XII 28; f. 1878; library of 5,958 vols.; 3,219 reproductions of Oriental, Greek, Roman and Hispano-Roman statuary, medieval and Renaissance art, classical and medieval decorative arts; Dir. Dr. Enrique Lafuente; Sec. Francisco Rocher Jorda; Librarian Francisca Ruiz Pedroviejo.

Museo Romántico (*Museum of the Romantic Epoch*): San Mateo 13; paintings, furniture, books and decorations of the Spanish romantic period; Dir. María Elena Gómez-Moreno; Sec. Raúl-Alberto Díez Gómez.

Patrimonio Nacional: Calle de Bailén s/n.; f. 1940 to administer former Crown property; it is responsible for all the Museums situated in Royal Palaces and properties and is governed by an Administrative Council presided over by Luis Carrero Blanco; publs. Guides to all the Museums, *Reales Sitios* (quarterly).

The Museums in the following places are dependent on the Patrimonio:

Palacio Real de Madrid: special rooms devoted to 16th to 20th century tapestries, clocks, paintings and porcelain from the Royal Palaces and Pharmacy; there is also an Armoury and a Coach Museum and the Library of more than 300,000 volumes is second in importance in Spain and contains many rare books and incunabula; the archives date from the 12th century.

Palacio Real de Aranjuez: Aranjuez; former Royal Palace.

Monasterio de San Lorenzo de El Escorial: El Escorial; built by Juan de Herrera; contains many famous works by international artists.

Alcázar de Sevilla: Seville; Royal residence.

Monasterio de las Huelgas: Burgos; founded by Alfonso VIII in the 9th century.

Monasterio de Tordesillas: Valladolid; 14th century.

Museo de la Encarnación: Madrid; monastic life in the 16th and 17th centuries.

Museo de las Descalzas Reales: Madrid; showing monastic life in the 16th and 17th centuries.

Palacio de Riofrió: Segovia; founded in 18th century; notable furniture and paintings of Spanish romantic movement.

Palacio de la Granja de San Ildefonso: Segovia; gardens in imitation of Versailles.

Museo de Pedralbes: Barcelona; replicas of modern Royal residences.

Castillo de Bellver: Majorca; small museum of the 18th century.

Barcelona

Instituto Municipal de Ciencias Naturales (*Municipal Institute of Natural Science*): Parque de la Ciudadela, Apdo. de Correos 593; f. 1882; Acting Dir. FRANCSICO ESPAÑOL COLL; publ. *Trabajos*. Affiliated institutions:

Museo de Geología (*Museo Martorell*): Parque de la Ciudadela; f. 1882; Curator (Petrography) and acting Dir. Prof. Dr. ALFREDO SAN MIGUEL ARRIBAS; Curator (Mineralogy) JOAQUÍN GRACIA LORES.

Museo de Zoología: Parque de la Ciudadela; f. 1882; Curators: Entomology: FRANCISCO ESPAÑOL COLL; publs. *Trabajos* and *Miscelanea Zoológica*.

Instituto y Jardín Botánico de Barcelona: Parque de Montjuich, Avda. de Montañans; f. 1917; Curator Prof. Dr. ORIOL DE BOLÓS CAPDEVILA; publs. *Collectánea Botánica*, *Memorias*, *Iconografia*, and other works.

Museo Etnológico y Colonial: Parque de Montjuich; f. 1948; Curator AUGUSTO PANYELLA GÓMEZ.

Museo de Arte de Cataluña (*Museum of Ancient Art*): Palacio Nacional, Parque de Montjuich; f. 1934; collections of Catalan Romanesque and Gothic paintings and sculpture; Renaissance and Baroque paintings; Dir. JUAN AINAUD DE LASARTE.

Museo de Arte Moderno: Palacio de la Ciudadela; Dir. JUAN AINAUD DE LASARTE; publs. *Boletín y Anales de los Museos de Barcelona*, catalogues; library of 25,000 vols. on art (f. 1946).

Museo Arqueológico de Barcelona (*Archæological Museum*): Parque de Montjuich; f. 1932; collections of prehistoric, Greek, Phoenician, Visigothic and Roman art; library of 18,000 vols.; Dir. E. RIPOLL PERELLO; publ. monographs.

Museo Etnológico-Sección Hispánica (*Spanish Section of the Ethnographical Museum*): Pueblo Español, Parque de Montjuich; Dir. AUGUSTO PANYELLA GÓMEZ; Curator (Vacant).

Museo de Historia de la Ciudad: Casa Padellás (mansion del s. XV) Real Capilla y Salon del Trono ("Tinell") (s.XIV); f. 1943; Roman and Visigothic sections with remains *in situ*; sculpture, funeral remains, Jewish and Arabic rooms, etc.; Dir. FEDERICO UDINA; Curators F.-P. VERRIÉ, ANA M. ADROER, JOAQUINA SOL, MARGARITA TINTÓ.

Museo del Arte Escénico del Instituto del Teatro (*Museum of Scenic Arts of the Theatre Institute*): Conde del Asalto No. 3; f. 1954 exhibits to show the evolution of the theatre, plane and solid scenery, fashions, costumes, pictures, posters, personal mementoes, etc.; Dir. GUILLERMO DIAZ-PLAJA, Curator MONSERRATE GALMES MELIS.

Museo Marítimo de Barcelona (*Maritime Museum*): Reales Atarazanas; f. 1941; Dir. JOSÉ M. MARTÍNEZ-HIDALGO Y TERÁN.

Museo de Música: Bruch 110; f. 1946; valuable collections of antique instruments; Founder Dr. TOMÁS CARRERA ARTAU; Dir. J. RICART MATAS.

Bilbao

Museo de Bellas Artes y de Arte Moderno de Bilbao: Parque de Doña Casilda Iturriza; f. 1913; 1,923 exhibits of paintings, sculpture, furniture; famous works by E. Greco, Goya, Velázquez, Jordaens, Teniers, Ribera, Gauguin and many others; Dir. CRISANTO LASTERRA.

Burgos

Museo Arqueológico de Burgos: Casa de Miranda, Calle de la Calera, No. 25; f. 1871; collections of ivories, enamels, pictures and sculpture; notably an enamel of Christ and the Apostles (7 ft. × 2 ft.), an Arabic ivory case (10th century) from the workshop of Medina Azahara, the statue of Don Juan de Padilla praying, and a 16th-century painting, "Ecce Homo"; Dir. BASILIO OSABA Y RUIZ DE ERENCHUN; publ. *Anales*.

Cartagena

Museo Arqueológico Municipal: Calle de Canales; f. 1943; important collections of Roman remains, including mining exhibits; Dir. Dr. FRANCISCO JORDÁ CERDA; publs. *Publicaciones de la Junta Municipal*, *Boletín Arqueológico del Sudeste Español*, *Crónicas de los Congresos Arqueológicos*.

Chipiona, Cadiz

Museo Misional de Nuestra Señora de Regla: Colegio de Misioneros Franciscanos; f. 1939; about 600 exhibits of early Roman Christian relics, ancient Egyptian and other North African objects, antique coins, etc.; Dir. R. P. RECTOR DEL COLEGIO.

Córdoba

Museo Arqueológico Provincial de Córdoba: f. 1898; 10,470 archæological and historical exhibits; Dir. Dr. SAMUEL DE LOS SANTOS JENER.

Gerona

Museo Diocesano: Plaza de España 2 (Palacio de Carles); f. 1942; antiquities of Iberian, Hellenistic and Roman art; paintings, sculpture, ceramics, glass, gold and silverwork, ironwork, furniture, textiles, manuscripts and books, numismatics and other collections; Dir. Dr. JAIME MARQUÉS CASANOVAS.

Ibiza

Museo Arqueológico de Ibiza: Plaza de la Catedral 3; f. 1907; 5,000 exhibits, almost exclusively Carthaginian; Dir. JOSÉ MA. MANÁ DE ANGULO.

La Escala, Gerona

Museo Monográfico de Ampurias (*Ampurias Monographic Museum*): f. 1946; collection of excavations of the Greco-Roman city; Dir. M. ALMAGRO.

Lérida

Colección Provincial Arqueológica: Prehistoric and ancient art; attached to the Instituto de Estudios Ilerdenses, in the old Hospital de Santa María de Lérida.

Gabinete Numismático de Lérida: Instituto de Estudios Ilerdenses; Roman, Iberian exhibits, local collections.

Museo de la Paherra de la Ciudad de Lérida: Historical documents and objects belonging to the municipality; archæological finds of Lérida.

Museo Diocesano: carpets, medieval paintings and sculpture.

Museo Morera: housed in the Old Hospital of Santa María, Avda. de Blondel; museum of modern paintings, including works by Morera, C. Haes and others.

Mérida, Badajoz

Museo Arqueológico de Mérida (*Archæological Museum*): Plaza de Santa Clara 5; f. before 1838, in present form 1929; pre-Roman and Roman, early Christian, Visigothic, Arab; heraldry, etc.; Dir. José Alvarez Sáenz de Buruaga.

Pontevedra

Museo de Pontevedra: Calle de la Pasantería, Apdo. 104; f. 1927, opened 1929; library of 11,000 vols. on art and archæology of Galicia; ancient industrial and naval history of Galicia; prehistoric jewellery and jet ornaments; Dir. José Filgueira Valverde; publs. *El Museo de Pontevedra, Cancionero Musical de Galicia, Archivo de Mareantes, Grabados Compostelanos, Materiales para la Carta Arqueológica de la Provincia de Pontevedra* and many others; series of drawings, monographs.

Sabadell, Barcelona

Museo de la Ciudad de Sabadell: San Antonio 13; f. 1931; palæontological, prehistoric, archæological, numismatic collections, native handicrafts; Dir. Luis Más Gomis; Sec. Pedro Roca Garriga; publs. *Anuario, Arrahona, Comunicaciones, Circulares, Boletín Informativo* (European activity in Vertebrate Palæontology).

San Roque, Cadiz

Museo Histórico de San Roque: Ayuntamiento, San Roque, Prov. Cadiz; f. 1956; documents of Gibraltar and museum of Carteyan excavations; Dir. José Domingo de Mena; Chief of Archæological Section Julio Martinez Santa-Olalla.

San Sebastián, Guipúzcoa

Museo Municipal de San Telmo: housed in an ancient Convent dating from the reign of Charles V; inaug. 1902 by Alfonso XIII; prehistoric, archæological, anthropological, numismatics; paintings by Vicente López, El Greco, Goya, etc., and moderns; the ancient chapel decorated with 11 famous murals by José Ma. Sert; Museo Vasco, Ethnographical Section, shows the rural life of the Basques; weapons, history of San Sebastián; Dir. Gonzalo Manso de Zúñiga, governed by a Junta de Patronato.

Museo Naval y Aquarium (*Naval Museum*): Sociedad de Oceanografía de Guipúzcoa, Muelle; f. 1914; models of famous ships, portraits of navigators, local fishing tackle, and aquarium; oceanographic museum and marine laboratory.

Santander

Museo de Prehistoria y Arqueología (*Prehistoric and Archaeological Museum*): Palacio de la Excma. Diputación Provincial; f. 1926; important paleolithic and neolithic collections from the caves of Altamira, Pendo, El Castillo, El Rey, El Juyo, La Chora, La Pasiega; collection relating to the Bronze Age in Spain; celtic stelae connected with sun worship; Roman collection; gallery of prehistoric art with 115 reproductions of paleolithic pictures; offers research facilities, seminars on prehistoric archaeology; laboratory collection of photographs; direct tracings of prehistoric rock paintings; Dir. Dr. Miguel Angel García Guinea; Vice-Dir. Joaquín González Echegaray; publ. *Investigaciones Prehistóricas*.

Seville

Museo Arqueológico Provincial: Plaza de América (Parque de María Luisa); f. 1880; *c.* 10,000 exhibits; Roman statues, lead coffins; incorporates the municipal collections; Dir. Concepción Fernández-Chicarro y de Dios; Asst. Dir. Juan María Vázquez; publs. *Guía, Catálogo de los Retratos Romanos del Museo, Catálogo del Museo Arqueológico de Sevilla, Trajano el Militar*, and various monographs.

Museo Provincial de Bellas Artes: Plaza del Museo 8; f. 1835; housed in the old Convento de la Merced; collections include works by Zurbarán, Murillo, Valdes Leal, Pacheco, Esquivel, etc.; Pres. of the Patronato del Museo José Hernández Diaz; Dir. Alfonso Grosso Sánchez.

Sitges

Museo del "Cau Ferrat": f. 1893; ironwork, glass, painting; Dir. J. Ainaud de Lasarte.

Soria

Museo Celtibérico (*Celtiberian Museum*): Calle de los Caballeros 17; f. 1932; prehistoric, proto-historic and Roman archæological collections, comprising 2,505 objects; Dir. Dr. Ricardo de Apraiz.

Museo Numantino (*Numancio Museum*): Paseo del General Yagüe; f. 1906; neolithic iron age and Roman archæological collections, comprising 13,815 objects excavated at Numancia; Dir. Dr. Ricardo de Apraiz.

Tarragona

Museo Arqueológico Provincial (*Archæological Museum*): Plaza del Rey; f. 1834; archæological, historical, local Roman exhibits; Dir. Samuel Ventura Solsona; publ. *Boletín Arqueológico*.

Museo Paleocristiano: Carretera de Alcolea 34; f. 1930; objects discovered during excavation of the Roman-Christian necropolis; Dir. Samuel Ventura Solsona.

Toledo

Casa del Greco: Fundaciones Vega Inclán (*El Greco's House*): the artist's house, furniture of the period, and a collection of the artist's paintings and those of his followers; 16th-century furniture; Curator María Elena Gómez-Moreno.

Museo del Greco: El Greco's paintings, including portraits of Christ and the Apostles and other paintings of the sixteenth and seventeenth centuries.

Museo Parroquial de San Vicente (*San Vicente Parish Museum*): f. 1929; Church vessels in precious metals, sculptures, paintings (El Greco), carpets; Dir. S. Hernández Pérez.

Sinagoga del Tránsito: Fundaciones Vega-Inclán: Jewish synagogue built in the 14th century by Samuel Ha-Levi, treasurer to King Don Pedro I, "The Cruel"; converted into Christian church of Sta. María del Tránsito 1494; national monument; Sephardic Museum.

Valencia

Museo de Bellas Artes (*Museum of Fine Arts*): housed in an old Palace; Calle de San Pio V 9; f. 1839; more than 1,000 paintings, sculpture and archæology sections; Dir. Felipe Garín Ortiz de Taranco.

Valladolid

Casa de Cervantes (*Cervantes' House*): furniture and possessions of the writer; Dir. Narciso Alonso Cortés; Dir of the Library N. Sanz y Ruiz de La Peña.

Museo Arqueológico: Dir. M. del Socorro G. de Madrid.

Museo Nacional de Escultura Policromada: Cadenas de San Gregorio 1; f. 1933; housed in the old Colegio de San Gregorio, dating from end of 15th century; works by Gregorio Fernández, Alonso Berruguete, Juan de Juni, and others; Dir. D. Federico Wattenberg; Sub-Dir. D. Esteban García Chico.

Vich, Barcelona

Museo Arqueológico Artístico Episcopal de Vich (*Archæological and Artistic Episcopal Museum*) f. 1891; medieval arts, provincial Romanesque, Gothic precious metal-

work, textiles, embroideries, liturgical vestments, forged iron, etc.; Curator Dr. EDUARDO JUNYENT.

Zamora

Museo Provincial de Bellas Artes: Calle de Sta. Clara 57; f. 1877; paintings, sculpture, models, etc.; pictures by Carducci, Madrazo, Padró, Melgosa, Ramón Zaragoza, Acosta, Esquivel, Miguel Flamenco, Mateo Milano, Nani, Van de Parc; sculptures by Berruguete, Benlliure, R. Alvarez, Quintin de Torre; photographs and plastic reproductions of historic and artistic monuments of the province; metalwork, ceramics, coins; archæological exhibits of the 6th-11th centuries; armorial bearings; fossils of the Tertiary Period; Dir. VICTORIANO VELASCO RODRÍGUEZ; publ. *Catálogo-Inventario Anual.*

Zaragoza

Museo Provincial de Bellas Artes: Plaza de José Antonio 6; f. 1880; archæological; prehistory, Roman, Arab; Gothic, Moorish, Romanesque and Renaissance exhibits; primitive arts and crafts, paintings from 14th to 19th centuries, contemporary Aragonese artists; Dir. JOAQUÍN ALBAREDA PIAZUELO; Asst. Dir. Dr. ANTONIO BELTRÁN MARTÍNEZ; Sec. Dr. JUAN GONZÁLEZ NAVARRETE.

Las Palmas, Canary Islands

El Museo Canario: Dr. Chil 33; f. 1879; library of 40,000 vols.; especially on the Canary Islands; section of the Museum devoted to local archæology and anthropology; Curator SIMÓN BENÍTEZ PADILLA; Dir. Dr. RAFAEL O'SHANAHAM; publ. *El Museo Canario* (quarterly).

UNIVERSITIES

UNIVERSIDAD DE BARCELONA

BARCELONA

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Colegio Mayor "San Jorge": Maestro Nicolau 13, Barcelona; f. 1952; Dir. PABRO MARTÍN CABALLERO.

Colegio Mayor Universitario "Monterols": Corinto 3, Barcelona; f. 1951; Dir. RAFAEL SOLÍS GARCÍA.

Colegio Mayor Femenino "Santa Eulalia": Pasaje Mercader 11-13 y 15, Barcelona; f. 1950; Dir. PILAR RODRÍGUEZ GARCÍA.

Collegio Mayor Femenino "Mater Salvatoris": Ganduxer 59, Barcelona; f. 1946; Dir. MARÍA FÉLIX TORRES.

Colegio Mayor Femenino "Virgen Inmaculada": Brusi 61, Barcelona; Dir. CONCEPCIÓN RODRÍGUEZ RODRÍGUEZ.

Colegio Mayor Universitario "Nuestra Señora de Montserrat": Plaza de Pio XII (Ciudad Universitaria); Dir. CARMEN LÓPEZ DEL PECHO.

Colegio Mayor "Loyola": Dr. Amigant 31, Sarriá-Barcelona 17; Dir. R.P. Dr. PEDRO FERRER, S.J.

Colegio Mayor "Alfonso Sala": Colón, 2 Tarrasa; Dir. MIGUEL CAMARASA ALONSO.

Colegio Mayor Femenino "Lestonnac": Aragón, 284B; f. 1962.

Colegio Mayor de Medicina de la Sta. Cruz y San Pablo: Avda. José Ma Claret 167; f. 1962; Dir. FRANCISCO MARSÁ GÓMEZ.

Colegio Mayor "San Raimundo de Peñafort": Ciudad Universitaria, Pedralbes; Dir. FRANCISCO VELEZ CANTARELL.

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The library contains 160,000 volumes.

Publications: *Sal Terrae* (monthly), *Miscelánea Comillas* (half-yearly), *Biblioteca Comillensis* (collections of texts), *Unión Fraternal* (four issues a year), *Humanidades* (three issues a year), etc.

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GARCÍA NIETO, P. MANUEL, Pastoral Theology
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RODRIGO, P. LUCIO, Canon Law
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WAHNER, P. GODEHARDUS, History of Canon Law, International Law

Faculty of Philosophy:
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DIEGO, P. TEOFANES DE, Theodicy

GONZÁLEZ, P. IRENIO, Ethics, Sociology, Methodology
MUÑOZ, P. JESÚS, Rational and Experimental Psychology
PARDO, P. PABLO, Cosmology
RIAZA, P. JESÚS M., Scientific Problems connected with Philosophy
SACO, P. JOSÉ, Ontology
SOLA, P. JOSÉ, Texts of Aristotle and St. Thomas
TEJERINA, ANGEL, Ontology
VALVERDE, P. CAROLUS, History of Philosophy
ZULUETA, P. ADRIAN, Biology, Anthropology, Philosophy

There are other Theological and Philosophical Faculties in Spain conferring degrees, which are partly associated with the Pontifical Universities, as follows:

Colegio de S. Francisco de Borja: San Cugat del Vallés, Barcelona; Jesuit College for the Province of Tarragona; f. 1863; Tel. 259.
Chancellor: M.R.P. PEDRO ARRUPE, S.J.
Vice-Chancellor: R.P. PEDRO RIBAS, S.J.
Rector: R.P. ANTONIO QUERALT, S.J.
Registrar: P. CRISTÓBAL ESTEBAN, S.J.
Librarian: P. JOSÉ MA. FONDEVILA, S.J.

Number of teachers: 34.
Number of students: 191.

Publications: *Pensamiento, Estudios Eclesiásticos, Manresa, Selecciones de Teología, Unitas (versión española), studia Papyrologica, Selecciones de Libros.*

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Faculty of Theology:
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CUYÁS, EMMANUEL, Moral Theology
DALMAU, IOSEPHUS, Oriental Theology and History of Dogmas
FONDEVILA, IOSEPHUS, Theological Dogma
MONDRÍA, ALFREDUS, Moral Theology
PÉREZ ACOSTA, FERDINANDUS, Theological Dogma
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COLOMER, EUSEBIUS, History of Philosophy
LAMOLLA, ALOISIUS, Logic
PALMES, FERDINANDUS, Rational and Experimental Psychology
PUIGREFAGUT, RAIMUNDUS, Cosmology
ROIG, IOANNES, Ontology
SAURET, IOSEPHUS, Natural Theology
VILA, PETRUS, Ethics and Natural Law

Colegio Máximo (*Jesuit College*): Apdo. 32, Granada; f. 1939.
Grand Chancellor: A.R.P. PEDRO ARRUPE, S.J.
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Secretary: RICARDO FRANCO, S.J.
Librarian: R.P. AUGUSTO SEGOVIA, S.J.

Library: 82,495 volumes.

Number of professors: 25.
Number of students: 201.

Publications: *Archivo Teológico Granadino* (*Anuario de Teología Postridentina*) (once yearly), *Biblioteca Teológica Granadina* (collection of textbooks and theses), *Centro de Cultura Religiosa Superior* and *Cuadernos de Teología* (textbooks), *Proyección;* in collaboration with other Spanish Jesuit reviews: *Estudios Eclesiásticos, Manresa, Razón y Fe, Sacrae Teologiae Summa* (4 vols.), *La Sagrada Escritura* (Text and Commentary) (4 vols.).

PROFESSORS:

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BARÓN, ENRIQUE, Fundamental Theology
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COLLANTES, JUSTO, Fundamental Theology
CRIADO, RAFAEL, Scripture
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DUE, ANTONIO, Fundamental Theology, Hebrew
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Colegio Máximo de San Francisco Javier: Oña, Burgos; f. 1880.
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Library: over 100,000 volumes.
Teaching personnel: 19.
Number of students: 150.

Publications: *Razón y Fe* (monthly), *Pensamiento* (philosophical quarterly), *Estudios Eclesiásticos* (theological quarterly), *Manresa* (quarterly), *Estudios Onienses* (series of historical, theological and philosophical volumes).

Facultad Filosófica Complutense S.J. (*Complutensian Faculty of Philosophy*): Campo del Angel, Alcala de Henares; Tel. Madrid 293 07 40; f. 1894.
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Number of teachers: 9.
Number of students: 140.

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University Library: 76,083 volumes, 35 incunabula, 14th-century MS. *Historia Natural de Alberto Magno;* Faculty libraries: 171,253 volumes.

Number of teachers: 421.
Number of students: 8,209.

Publications include: *Boletín de la Universidad de Granada* (Editor Dr. ANTONIO GALLEGO MORELL, Director

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Secretary-General: EULOGIO ALONSO-VILLAVERDE Y MORIS.
Librarian: EMILIO GONZÁLEZ DÍAZ DE CELIS.

Library: 61,372 volumes.
Number of professors: 21.
Number of students: 911.
Publications: *Revista de Historia* (quarterly), *Biblioteca Filológica, Anales de la Universidad de La Laguna.*

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Faculty of Sciences: Dr. BENITO RODRIGUEZ RIOS.
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MADRID

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Secretary-General: ISIDORO MARTÍN MARTÍNEZ.
Librarian: JAVIER LASSO DE LA VEGA.

Number of students: 25,000.
Library: second in importance in Madrid; 407,984 volumes, 208,000 pamphlets; comprises the libraries of the different Faculties and Institutes.
Publications: *Revista de la Universidad de Madrid* (quarterly).

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Escuela Especial de Ingenieros Agrónomos: Dir. Ramón Beneyto Sanchez.

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Library: f. 1916; general library 27,316 volumes, specialised libraries 21,655 volumes.

Number of teachers: 5 professors and 60 lecturers.

Number of students: 1,800.

Publications: *Anales de la Universidad de Murcia* (four issues a year).

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Vice-Rector: Dr. FELIPE LUCENA CONDE.
Secretary: Dr. LUIS SÁNCHEZ GRANJEL.
Librarian: Dr. CÉSAR REAL DE LA RIVA.

Library: 190,150 volumes and MSS.; the Faculty libraries have an additional 50,500 volumes.

Number of teachers: 146, including 48 professors.

Number of students: 3,109 men, 487 women.

Publications: *Acta Salmanticensia*, 4 series (Letters, Law, Sciences, Medicine), *Theses et Studia Philologica Salmanticensia* (Classical Philology), *Tesis y Estudios Salmantinos* (Romance Philology and Literature), *Discursos Académicos, Cuadernos de la Cátedra Miguel de Unamuno* (Faculty of Philosophy and Letters), *Zephyrus* (Archæology), *Boletín del Seminario de Derecho Político, Cuadernos de Historia de la Medicina Española* (Faculty of Medicine).

DEANS:

Faculty of Philosophy and Letters: Dr. MARTÍN SÁNCHEZ RUIPÉREZ.
Faculty of Law: Dr. ESTEBAN MADRUGA JIMÉNEZ.
Faculty of Science: Dr. JOAQUÍN DE PASCUAL TERESA.
Faculty of Medicine: Dr. FERNANDO CUADRADO CABEZÓN.

PROFESSORS:

Faculty of Philosophy and Letters (Catedraticos):
ARTOLA, MIGUEL, Spanish History
CARRETER, FERNANDO L., Spanish Grammar and Literature
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DÍAZ, MANUEL, Latin Philology
ESPINOSA, RICARDO, Greek Philology
GARCÍA BLANCO, MANUEL, History of the Spanish Language
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REAL, CÉSAR, History of Spanish Language and Literature
SÁNCHEZ RUIPÉREZ, MARTÍN, Greek Philology
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ZAMORA, ALONSO, Romance Philology
(The Chairs of Ancient History, Archæology, Hebrew and Arabic are at present vacant)

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DELGADO, JOSÉ, Philosophy of Law
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ESPÍN, DIEGO, Civil Law
FUENTESECA, PABLO, Roman Law
GORDILLO, MANUEL, Judicial Procedure
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MENÉNDEZ, AURELIO, Mercantile Law
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Faculty of Science:
CUESTA, NORBERTO, Mathematics
FERRANDO, FERNANDO RAMÓN, Experimental Physics
GALÁN, FERNANDO, Biology
GONZÁLEZ IBEAS, JOSÉ, Industrial Physics
GUTIÉRREZ DE CELIS, MAXIMILIANO, Inorganic Chemistry
LUCENA CONDE, FELIPE, Analytical Chemistry
MATO VÁSQUEZ, FIDEL, Technical Chemistry
NOGAREDA DOMENECH, CARLOS, Physical Chemistry
PASCUAL TERESA, JOAQUIN DE, Organic Chemistry

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BALCELLS GORINA, ALFONSO, Pathology
BARTOLOZZI, RAFAEL, Ophthalmology
BAYO, JOSÉ M., Pharmacology and Therapeutics
CUADRADO, FERNANDO, Surgery
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MORAZA, MIGUEL, Surgery
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Colegio Mayor Universitario Fray Luis de León: f. 1954.
Rector: Miguel Cruz Hernández.

Colegio Mayor Universitario San Miguel Arcángel.
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Seminario de Historia de la Medicina Española.
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Colegio Trilingüe: Salamanca Section of the Consejo Superior de Investigaciones Científicas.
Director: The Dean of the Faculty of Philosophy and Letters.

UNIVERSIDAD DE SANTIAGO

COMPOSTELA

Telephone: 1620.

Founded 1501.

Rector: Dr. Angel Jorge Echeverri.
Vice-Rector: Dr. Carlos Miguel y Alonso.
Secretary: Dr. Manuel Lucas Alvarez.
Governing Body: The Rector (Pres.), the Vice-Rector, the Deans of the five Faculties, the Chief of S.E.P.E.S., the Chief of S.E.U., the Secretary-General of the University and, on occasion, the Administrator and Interventor, and the Directors of the Publications Section, the General Library and the Colegio Mayor "Generalísimo Franco".

General Library: 100,000 volumes, over 100 incunabula, prayer book of Fernando I of Castile (11th century); other special libraries in the faculties; Librarian Salvador Parga y Pondal.
Director, Publications Section: Dr. Carlos Fernández-Novoa.

Number of students: 3,200.

Publications: *Boletín, Archivos de Anatomía, Publicaciones de la Cátedra "Vázquez de Mella", Anales, Memoria, Publicaciones del Jardín Botánico,* catalogues.

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Faculty of Law: Dr. Manuel García Garrido.
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Faculty of Medicine: Dr. Alejandro Novo González.
Faculty of Pharmacy: Dr. Aniceto Charro Arias.

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Eiras Roel, Antonio, Modern Spanish History
Fernández Rodríguez, Manuel, Modern and Universal History
Higueras Arnal, Antonio, Geography
Jourdain de Gippini, Françoise, French Literature
Lucas Alvarez, Manuel, Palæography and Diplomatics
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Montero Moliner, Fernando, Philosophy
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Moreno Báez, Enrique, Spanish Language and Literature, Universal Literature, Modern Spanish and American History
Otero Túñez, Ramon, History of Art
Parga Pondal, Salvador, Archæology, Epigraphy, Numismatics
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Sainz Sainz-Pardo, Hilario, Grammar, General
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Miguel Alonso, Carlos, Procedural Law
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Pedret, Casado, Paulino, Canon Law
Sainz Cantero, José A., Penal Law

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Llecha Ferrer, Alfredo, Geology
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Ribas Marqués, Ignacio, Organic Chemistry
Vidal Abascal, Enrique, Mathematics

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Echeverri, Angel J., Anatomy
Fontán Maquieira, Gumersindo, Anatomy
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Núñez Puertas, Dr. Adolfo, Pathology
Oya Salgueiro, José C., Pathology and Clinical Medicine
Peña Guitian, Dr. José, Pædiatrics
Pérez y López-Villamil, José, Forensic Medicine, Psychiatry
Puente Domínguez, José L., Pathology and Clinical Surgery
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Sánchez Salorio, Dr. Manuel, Ophthalmology
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Cabezas Fernando del Campo, José A., Biochemistry
Cadórniga Carro, Rafael, Galenic Pharmacy
Casaseca Mena, Bartolomé, Botany—Cryptogams and Phanerogams
Charro Arias, Aniceto, Chemical Analysis and Bromatology
Gómez-Serranillos Fernández, Manuel, Pharmacognosy and Plant Physiology
González Carreró, Jaime, Inorganic and Analytical Chemistry
Larralde Berrio, Jesús, Applied Animal Physiology
Montañes del Olmo, José M., Organic Chemistry
Regueiro Varela, Benito, Microbiology
Sanz Pedrero, Pablo, Applied Physics and Physiochemistry
Vieitez Cortizo, Ernesto, Vegetal Physiology

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Colegio Mayor Femenino "El Pilar".

Colegio Mayor Femenino "Virgen del Portal".
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Director: TOMÁS BATUECAS MARUGAN.

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Director: Dr. CAMILO BARCIA TRELLES.

Hospital Clinico.
Director: Dr. ALFONSO DÍAZ CARDAMA.

Catedra de Alta Cultura Naval "Arzobispo Gelmirez".
Director: Dr. CAMILO BARCÍA TRELLES.

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Secretariado de Publicaciones, Intercambio Cientifico y Extensión Universitaria.
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UNIVERSIDAD DE SEVILLA

SEVILLE

Telephone: 22860.

Founded 1502.

Rector: Dr. JOSÉ ANTONIO CALDERÓN QUIJANO.
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General Secretary: Dr. MANUEL PÉREZ RODRÍGUEZ.
Librarian: JUAN TAMAYO FRANCISCO.

Number of professors: 194.
Number of students: 4,227.

Director, Publications Department: Dr. ANTONIO MURO OREJÓN.

Publication: *Anales de la Universidad Hispalense* (quarterly).

DEANS:

Faculty of Philosophy and Letters: TOMÁS MARÍN MARTÍNEZ.
Faculty of Science: FRANCISCO GONZÁLEZ GARCÍA.
Faculty of Law: Dr. FAUSTINO GUTIÉRREZ-ALVIZ ARMARIO.
Faculty of Medicine: Dr. JOSÉ MARÍA CAÑADAS BUENO.
Faculty of Medicine, Cadiz: Dr. JOSÉ LUIS MARTÍNEZ ROVIRA.
Faculty of Veterinary Sciences: Córdoba: Dr. GUMERSINDO APARICIO SÁNCHEZ.

PROFESSORS:

Faculty of Philosophy and Letters:
ALCINA FRANCH, JOSÉ, Pre-Hispanic South American History
ARELLANO CATALÁN, JESÚS, Philosophy
BLANCO FREIJEIRO, ANTONIO, Archæology, Epigraphy and Numismatics
BOZAL PÉREZ, ANGEL, Political and Descriptive Geography
CALDERÓN QUIJANO, JOSÉ, American History
CARRIAZO, JUAN DE MATA, Ancient and Medieval Spanish History
CÉSPEDES DEL CASTILLO, GUILLERMO, Modern History
COMELLAS Y GARCÍA LLERA, JOSÉ-L., Contemporary Spanish History
GARCÍA CALVO, AGUSTÍN, Latin Language and Literature
GIL MUNILLA, OCTAVIO, Universal History
HERNÁNDEZ DÍAZ, JOSÉ
LÓPEZ ESTRADA, FRANCISCO, Spanish Language and Literature (*Vice-Dean*)
MARDO DORTA, ENRIQUE, History of Spanish American Art
MURO OREJÓN, ANTONIO, History of American Law
RODRÍGUEZ CASADO, VICENTE, Modern and Contemporary History

Faculty of Science:
ALASTRUE DEL CASTILLO, EDUARDO, Geology
CASTRO BAREA, PEDRO, Biology
CASTRO BRZEZICKI, ANTONIO, Mathematics
CIVIT BREU, ANTONIO, Electricity and Magnetism
GANDIA GOMAR, VICENTE, Physics
GARCÍA GONZÁLEZ, FRANCISCO, Organic Chemistry
GONZÁLEZ GARCÍA, FRANCISCO, Inorganic Chemistry
MARTÍNEZ MORENO, JUAN, Technical Chemistry
PÉREZ RODRÍGUEZ, MANUEL, General Physics
PINO PÉREZ, FRANCISCO, Analytical Chemistry
RODRÍGUEZ VELASCO, JULIÁN, Physical Chemistry

Faculty of Law:
CLAVERA AREVALO, MANUEL, Administrative Law
COSSÍO CORROL, ALFONSO DE, Civil Law
ELIAS DE TEJADA Y SPÍNOLA, FRANCISCO, Natural Law and Philosophy of Law
GIMÉNEZ FERNÁNDEZ, MANUEL
GUTIÉRREZ-ALVIZ ARMARIO, FAUSTINO, Law of Procedure
JORDANO BAREA, JUAN, Civil Law
LOJENDIO IRURE, IGNACIO MA., Political Law
MARTÍNEZ GIJÓN, JOSÉ, History of Spanish Law
OLIVENCIA RUIZ, MANUEL, Mercantile Law
PELSMARKER E IBÁÑEZ, FRANCISCO DE, Roman Law
RODRÍGUEZ PIÑERO Y BRAVO-FERRER, MIGUEL, Labour Law
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TEJADA SPÍNOLA, FRANCISCO E. DE

Faculty of Medicine:
AZNAR REIG, ANTONIO, Pathology and Clinical Medicine
BALEN GARCÍA, JOSÉ, Hygiene
BEDOYA GONZÁLEZ, JOSÉ, Gynæcology and Obstetrics
BULLÓN RAMÍREZ, AGUSTÍN, Histology and Embryology
CAÑADAS BUENO, JOSÉ M., Descriptive Anatomy (*Vice-Dean*)
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GUIJA MORALES, EDUARDO, Forensic Medicine
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LEÓN CASTRO, JOSÉ, Medical Pathology
LÓPEZ MARTÍNEZ, BERNARDO, Dermatology
MARCO CLEMENTE, JAIME, Oto-Rhino-Laryngology
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ZARAPICO ROMERO, MANUEL, Clinical and Surgical Pathology

Faculty of Medicine in Cadiz:
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CORRAL SALETA, JOSÉ M. DE, Physiology and Biochemistry
CRUZ CARO, FELIPE DE LA, Pathology and Clinical Surgery
CRUZ HERNÁNDEZ, MANUEL, Pediatrics
DÍAZ GONZÁLEZ, FRANCISCO, Pathology
DOMÍNGUEZ MARTÍNEZ, JOSÉ M., Forensic Medicine
FERRER Y FERNÁNDEZ DE LA RIVA, DIEGO, Histology, Embryology and Anatomy
LÓPEZ RODRÍGUEZ, ANTONIO, Anatomy
MARTÍN CALDERÓN, ANTONIO, Oto-Rhino-Laryngology
MARTÍNEZ ROVIRA, JOSÉ L., Anatomy
ORTIZ VÁZQUEZ, JULIO, Pathology and Clinical Medicine
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PIÑERO CARRIÓN, ANTONIO, Ophthalmology
VARELA NÚÑEZ, RAMÓN, Histology, Embryology, Pathological Anatomy

Faculty of Veterinary Sciences (Cordoba):
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- CASTEJÓN CALDERÓN, FRANCISCO, Physiology and Biochemistry
- GÓMEZ CÁRDENAS, GASPAR, General Pathology
- JORDANO BAREA, DIEGO, Biology, Botany and Zoology
- MARTÍN RIBES, JOSÉ, Anatomy (*Vice-Dean*)
- MEDINA BLANCO, MANUEL, Agriculture and Agrarian Economy
- MIRANDA ENTRENAS, SEBASTIÁN, Bacteriology
- PÉREZ CUESTA, MANUEL, Zootechnics
- SALDAÑA SICILIA, GERMÁN, Histology and Pathological Anatomy
- SANTISTEBAN GARCÍA, FRANCISCO, Surgical Pathology

UNIVERSIDAD DE VALENCIA

VALENCIA

Telephone: 21 73 80.

Founded 1500.

Rector: JOSÉ CORTS GRAU.

Vice-Rector: VICENTE BELLOCH MONTESINOS.

Secretary: MANUEL GITRAMA GONZÁLEZ.

Librarian: PILAR GÓMEZ.

The University Library contains 125,000 volumes and 2,431 manuscripts. Libraries are also attached to each faculty.

Number of teachers: 150.

Number of students: 4,000.

Publications: *Anales, Saitabi, Catalogus Seminumin Horto Botanico Univ. Val.*

DEANS:

Faculty of Philosophy and Letters: MIGUEL DOLÇ DOLÇ.

Faculty of Law: EFRÉN BORRAJO DACRUZ.

Faculty of Science: FRANCISCO DE A. BOSCH ARIÑO.

Faculty of Medicine: TOMÁS SALA SÁNCHEZ.

PROFESSORS:

Faculty of Philosophy and Letters:
- DOLÇ DOLÇ, MIGUEL, Classical Philology
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VALLADOLID

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Librarian: Dr. NIEVES ALONSO-CORTES.

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- ARRIBAS ARRANZ, FILEMÓN, Palæography and Diplomatics
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- CORRAL CASTANEDO, ALFONSO, Spanish History
- ESTEFANIA MARTÍNEZ, JOSÉ, Greek
- GARCÍA FERNÁNDEZ, JESÚS, Geography
- GARCÍA GARCÍA, ELOÍSA, Modern World History
- PALOL SALELLAS, PEDRO, Archæology
- PÉREZ VILLANUEVA, JOAQUÍN, Modern and Contemporary History
- REPRESA RODRÍGUEZ, AMANDO, Ancient and Medieval Spanish History
- SUÁREZ FERNÁNDEZ, LUIS, Ancient and Medieval History

Faculty of Medicine:
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- BADELL SURIOL, MARIANO, Physical Therapeutics

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BELTRÁN DE HEREDIA ONÍS, JOSÉ MA., Surgical Pathology
BRAÑEZ CEPERO, ENRIQUE, Histology
CANDAU PARIAS, ALFONSO, Semeiology
DURÁN SACRISTÁN, HIPÓLITO, Pathological Surgery
FERNÁNDEZ CABEZAS, JESÚS, Legal Medicine
GARCÍA-CONDE, FRANCISCO J., Medical Pathology
GARCÍA DE JALÓN Y HUETO, PERFECTO, Pharmacology
GÓMEZ BOSQUE, PEDRO, Anatomy
MARTÓN CALDERÓN, ANTONIO, Oto-Rhino-Laryngology
PÉREZ CASAS, ANTONIO, Anatomy
ROMO ALDAMA, EMILIO, Physiology
SALAZAR GARCÍA, EVELIO, Pediatrics
SÁNCHEZ LÓPEZ, ARCADIO, Obstetrics and Gynæcology
SEBASTIÁN HERRADOR, MIGUEL, Medical Pathology
VELASCO ALONSO, RAMÓN, General Pathology
VILLACIÁN REBOLLO, JOSÉ M., Psychiatry
ZAPATERO BALLESTEROS, EMILIO, Hygiene

Faculty of Political, Economic and Commercial Sciences:
BAÑALES BARANDA, RAMIRO, Public Finance and Fiscal Law
ECHEVARRIA GANGOITI, JUAN M., Economic Theory
FLORES GÓMEZ, TEODORO, Comparative Economic Structures
JIMÉNEZ BLANCO, JOSÉ, Sociology
LOZANO LÓPEZ, VICENTE, Econometrics and Statistical Methods
MARTÍN GUZMÁN, ENRIQUE, Political Economy
REBATO ALEMANY, JULIÁN, Accountancy
RUÍZ MARTÍN, FELIPE, Economic History
SÁNCHEZ ASIAIN, JOSÉ A., Public Economy
SÁNCHEZ CALERO, FERNANDO, Mercantile Law
TOÑA BASAURI, IGNACIO, Economics of Management

AFFILIATED SCHOOLS AND INSTITUTES:

Colegio Mayor Femenino "María de Molina" (*Graduate School for Girls*).

Colegio Mayor Universitario de Santa Cruz (*Graduate School for Boys*): publ. *Santa Cruz.*

Colegio Mayor "Reyes Católicos" (*Graduate School for Boys*).

Colegio Mayor "Santa María del Castillo" (*Graduate School for Girls*).

Colegio Mayor "San Juan Evangelista" (*Graduate School for Boys*).

Colegio Mayor "Menéndez Pelayo" (*Graduate School for Boys*).

Colegio Mayor "La Salle" (*Graduate School for Boys*).

Colegio Mayor "Monferrant" (*Graduate School for Girls*).

Seminario de Arte y Arqueología: publ. *Boletín.*

Seminario de Historia Moderna: publ. *Simancas.*

Seminario de Literatura Española: publ. *Castilla.*

Seminario de Derecho Penal: publ. *Revista de Estudios Penales.*

Seminario de Estudios Internacionales: publs. *Estudios Americanistas, Cuadernos de la cátedra "Dr. J. B. Scott".*

Instituti Anatómico "Sierra".

Instituto de Idiomas.

UNIVERSIDAD DE ZARAGOZA

ZARAGOZA

Telephone: 50 4 06.

Founded in 1542 by the Emperor Carlos I.

Rector: Dr. JUAN CABRERA FELIPE.
Vice-Rector: Dr. FRANCISCO YNDURAIN HERNÁNDEZ.
Secretary-General: Dr. ANTONIO BELTRÁN MARTÍNEZ.
Librarian: PILAR MONERA DE ORO (*a.i.*).

The library contains 181,102 volumes.

Number of teachers: 397, including 75 professors.

Number of students: 4,209.

Office of Publications, Scientific Exchange and University Extension: Dir. Dr. FERNANDO SOLANO COSTA.

Publications: *Universidad* (quarterly), *Temis, Archivos de la Facultad de Medicina.*

DEANS AND VICE-DEANS:

Faculty of Philosophy and Letters: Dr. JOSÉ M. LACARRA DE MIGUEL, Dr. FERNANDO SOLANO COSTA.
Faculty of Law: Dr. AGUSTÍN VICENTE GELLA, Dr. JOSÉ ORLANDIS ROVIRA.
Faculty of Science: Dr. JUAN MARTÍN SAURAS, Dr. ANTONIO PLANS SANZ DE BREMOND.
Faculty of Medicine: Dr. ENRIQUE DE LA FIGUERA DE BENITO, Dr. LUIS GIMÉNEZ GONZÁLEZ.
Faculty of Veterinary Science: Dr. FÉLIX PÉREZ PÉREZ, Dr. JESÚS SAINZ SAINZ-PEDRO.

PROFESSORS:

Facuty of Philosophy and Letters:
ABBAD, FRANCISCO, Arts
BELTRÁN MARTÍNEZ, ANTONIO, Archæology
BLANCO, VICENTE, Latin Grammar and Literature
CANELLAS, ANGEL, Palæography
CASAS, JOSÉ, Geography
CORONA, CARLOS, Modern Universal History
DE LA GRANJA, FERNANDO, Arabic Language and Literature
FRUTOS, EUGENIO, Philosophy
LACARRA DE MIGUEL, JOSÉ M., Medieval Spanish History
MENSUA, SALVADOR, Geography
SOLANO, FERNANDO, Modern Spanish History
YNDURAIN, FRANCISCO, Spanish Grammar and Literature

Faculty of Law:
GARCÍA ARIAS, LUIS, International Law
GELLA VICENTE, AGUSTÍN, Commercial Law
GUAITA MARTORELL, AURELIO, Administrative Law
GUALLART Y LÓPEZ DE GOICOECHEA, JOSÉ, Penal Law
HERCE, VICENTE, Procedural Law
HERVADA, FRANCISCO-J., Canon Law
LACRUZ, JOSÉ L., Civil Law
MARTÍN-BALLESTRO, LUIS, Civil Law
ORLANDIS, JOSÉ, History of Spanish Law
RAMIRO, NICOLÁS, Political Law
SÁNCHEZ DEL RIO, CARLOS, Roman Law

Faculty of Science:
BERNAL NIEVAS, JULIAN, Analytical Chemistry
CABRERA, JUAN, Electricity and Magnetism
CASAS, JUSTINIANO, Optics
CID PALACIOS, RAFAEL, Astronomy
GALINDO TIXAIRE, ALBERTO, Physics
GÓMEZ, VICENTE, Organic Chemistry
GONZÁLEZ-SALAZAR GALLART, GONZALO, Thermology
GUTIÉRREZ, CELSO, Physical Chemistry
IÑIGUEZ, JOSÉ M., Special Mathematics, Chemistry Section
MARTÍN, JUAN, Inorganic Chemistry
PLANS SANZ DE BREMOND, ANTONIO, Analytical Geometry and Topography
RIBA ARDERIU, ORIOL, Physical Geography
RODRÍGUEZ-MUÑOZ, CRUZ, Biology
RODRÍGUEZ-SALINAS, BALTASAR, Mathematics
RODRÍGUEZ-VIDAL, RAFAEL, Mathematical Analysis, Higher Algebra
SANCHO DE SAN ROMÁN, JUAN, Geometric Projection
TOMEO, MARIANO, Technical Chemistry
VIVIENTE MATEO, JOSÉ L., Descriptive Geometry

Faculty of Medicine:
AZUA, LUIS, Dermatology
CIVEIRA OTERMIN, FERNANDO, Medical Pathology
DE LA HIGUERA ROJAS, JOSÉ, Pathology
ESCOLAR, JOSÉ, Anatomy
GÓNZALEZ FUSTÉ, FRANCISCO, Hygiene
JIMÉNEZ, LUIS, Anatomy
LA FIGUERA, ENRIQUE, Medical Pathology
LORENTE, ANTONIO, Pædiatrics
LOZANO, RICARDO, Surgical Pathology
MARTÍNEZ, RAMÓN, Histology and Pathological Anatomy
MATEO, MARIANO, Pharmacology
PALOMAR, ALEJANDRO, Ophthalmology
PIÉ, ANDRÉS, Physiology
RECASÉNS MENDEZ, EUGENIO, Obstetrics
ROMERO AGUIRRE, FRANCISCO, Urology

Faculty of Veterinary Science:
BASTERO, JUAN, Experimental Physics and Chemistry
HERNANDO, INDALECIO, Bacteriology
LÓPEZ, PASCUAL, Pharmacology
OCAÑA, MANUEL, Agriculture
PÉREZ, FÉLIX, Surgical Pathology
RESPALDIZA, EDUARDO, Nutrition
SAINZ, JESÚS, Physiology
SÁNCHEZ FRANCO, ANGEL, Parasitology
ZARAZAGA, ISAIAS, Zootechnics

PRIVATE UNIVERSITIES

UNIVERSIDAD DE NAVARRA

PAMPLONA

Telephone: 25600.

An Opus Dei Foundation, founded 1952.

Grand Chancellor: Mgr. JOSÉ MARÍA ESCRIVA DE BALAGUER.
Vice-Chancellor: FLORENCIO SÁNCHEZ BELLA.

Rector: José María Albareda Herrera.
Vice-Rector: Ismael Sánchez Bella.
Secretary-General: J. A. Paniagua.
Librarian: Alvaro D'Ors.

Number of teachers: 342.
Number of students: 3,374.
Publications: *Revista de Medicina, Ius Canonicum,* Civil Law, Canon Law and History Series.

Deans:

Faculty of Law: Francisco Sancho Rebullida.
Faculty of Philosophy and Letters: A. Fontán.
Faculty of Medicine: E. Ortiz de Landázuri.
Faculty of Canon Law: J. Orlandis.
Faculty of Pharmacy: F. Alvarez de la Vega.
Faculty of Sciences: Julio Rodríguez.

Directors of Affiliated Schools and Institutes:

Institute of Journalism: A. Benito.
Institute of Business Administration: A. Valero.
Institute of Liberal Arts: M. Ferrer Regales.
Institute of Languages: Rafael Benítez Claros.
Institute of Administration: María Luisa González.
School of Nursing: Carmen Adalid.
School of Industrial Engineering: Ing. Joaquín Casellas.
School of Social Studies: Carmen Baquerizo.
School of Architecture: Ignacio Araujo.

Professors:

Faculty of Law:
Aparicio, Julián, Mercantile Law
Carreras, Jorge, Procedural Law
D'Ors, Alvaro, Roman Law
Gómez Antón, Francisco, Administrative Law
Lombardía, Pedro, Canon Law
López Jacoisti, José J., Civil Law
Martínez Doral, José M., Philosophy of Law
Sánchez Bella, Ismael, History of Law
Sancho Rebullida, Francisco, Civil Law

Faculty of Philosophy and Letters:
Barandiarán, José M., Ethnology
Benítez Claros, Rafael, Spanish Language and Literature
Contreras y López de Ayala, Juan de, History of Art
Ferrer, Manuel, Descriptive Geography
Floristán, Alfredo, General Geography
Fontán, Antonio, Latin Language and Literature
García López, Jesús, Metaphysics
Marcos Pous, Alejandro, Archæology
Martín Duque, Angel, History of the Middle Ages
Peñalver, Patricio, History of Philosophy
Polo Berrena, Leonardo, Anthropology
Smith, Richard, English Language and Literature
Strobl, Wolfgang, Natural Philosophy
Suárez Verdeguer, Federico, Modern History
Wilhelmsen, Frederick, Theodicy

Faculty of Medicine:
Conill Serra, Víctor, Obstetrics and Gynæcology
de Federico Antrax, Alfredo, Surgical Pathology
Evangelista, Manuel, Social Medicine
Gálvez Montes, José, Ophthalmology
Herranz, Gonzalo, Histology and Pathological Anatomy
Jiménez Vargas, Juan, Physiology
Olivares, Carlos, Dermatology
Ortiz de Landázuri, Eduardo, Medical Pathology
Reinoso, Fernando, Anatomy
Soria Ruiz, José, Psychology

Faculty of Canon Law:
de la Hera, Alberto, Public Ecclesiastical Law
García Dorronsoro, Angel, Religious Training
Hervada, Javier, Canon Law Texts
Orlandis, José, History of Canon Law

Faculty of Pharmacy:
Albareda, José M., Edaphology
Alvarez de la Vega, Félix, General Chemistry
Iñiguez, Jaime, Analytical Chemistry
Losa, Mariano, Botany

Faculty of Sciences:
Del Amo, Alvaro, Biology
González Ibeas, José, General Physics
Rodríguez, Julio, Geology

School of Architecture: 3 professors
School of Industrial Engineers: 11 professors
Institute of Journalism: 3 professors
Institute of Business Administration: 5 professors

ESTUDIOS UNIVERSITARIOS Y TECNICOS DE GUIPÚZCOA

SAN SEBASTIÁN

Founded 1956.

Rector: R.P. Francisco Ibiricu, s.j.
Vice-Rector: R.P. Ignacio Errandonea Goicoechea, b.litt. (oxon.).
Secretary-General: R.P. José Antonio Berra, s.j.
Librarian: María Dolores Montero.

University-Level Schools:

Escuela Superior de Técnica Empresaria (E.S.T.E.) (*School of Business Administration*): f. 1956; 5-year courses in business administration, including psychology and sociology, productivity studies, accounting, economics, business law, operational research and modern languages.
Director of Studies: R.P. José María Ostolaza, s.j.
Number of teachers: 31.
Number of students: 228.

Filosofía y Letras (*Philosophy and Letters*): f. 1960.
Director of Studies: R.P. Angel Goenaga, s.j.
Number of teachers: 10.
Number of students: 20.

Derecho (*Law*): f. 1939.
Director of Studies: R.P. José Antonio Ezcurdia, s.j.
Number of teachers: 11.
Number of students: 54.

Ciencias Económicas (*Economic Sciences*).
Director of Studies: R.P. José Antonio Ezcurdia, s.j.
Number of teachers: 12.
Number of students: 102.

Ciencias (*Science*): f. 1940.
Director of Studies: Dr. Carlos Santamaría.
Number of teachers: 7.
Number of students: 75.

Ingeniería (*Engineering*).
Number of teachers: 4.
Number of students: 30.

Turismo (*Tourism*): f. 1964.
Director of Studies: Lic. José Luis Pérez.
Number of teachers: 15.
Number of students: 69.

Technical Schools:

Escuela de Teología (*Theology School*).
Director of Studies: R.P. Alfredo Tamayo Ayestarán, s.j.
Number of teachers: 9.
Number of students: 95.

Escuela de Idiomas (*School of Languages*): f. 1963.
Director of Studies: R.P. Francisco Altuna, s.j.
Number of teachers: 6.
Number of students: 120.

Instituto de Sociología y de Estudios Económicos (*Institute of Sociology and Economics*).
Director of Studies: R.P. Emeterio Isasti, s.j.

Escuela de Mandos Intermedios (E.M.I.) (*School of Intermediate Studies*).
Technical Section: 1,063 students.
Administration Section: 148 students.

There are also three private foundations of University status. Students attending them sit at the Public University if they wish to take a degree.

REAL COLEGIO DE ESTUDIOS SUPERIORES (Universidad "María Cristina")

SAN LORENZO DE EL ESCORIAL, MADRID

Founded 1892. Private university of the Augustinian Fathers.

Rector: Licinio A. González, o.s.a.
Secretary: Jacinto Alarez Díez, o.s.a.
Dean of the Faculty of Law: José M. López Riocerezo, o.s.a.
Dean of the Faculty of Economics: Bonifacio Díez Fernández, o.s.a.
Librarians: César González, Angel Díaz, o.s.a.

Number of teachers: 28.
Number of students: 150.
Publications: *Anuario Jurídico Escurialensea, La Ciudad de Dios, Nueva Etapa.*

UNIVERSIDAD COMERCIAL DE DEUSTO

AVENIDA DE LAS UNIVERSIDADES, 26, APARTADO 153, BILBAO

Founded 1961. Private university, directed by the Jesuits.

Rector: JESÚS DIAZ DE ACEBEDO.
Dean: LUIS BERNAOLA.
Librarian: DEMETRIO IPARRAGUIRRE.

Library of 35,000 volumes.

Number of students: 300.

Publication: *Boletín de Estudios Económicos.*

PROFESSORS:

ARANGUREN, PEDRO J.
ASPICHUETA, IGNACIO
ATARÉS, ALBERTO
BADIOLA, JOSÉ L.
BAÑALES, RAMIRO
BERRIATÚA, EDUARDO
BILBAO, FÉLIX
CEBALLOS, CARLOS
CHACÓN, ENRIQUE
DELCLAUX, CARLOS
DÍEZ DE ULZURRUN, ANGEL
FERNÁNDEZ DE AGUIRRE, JOSÉ F.
GAMINDE, MIGUEL
GARCÍA ECHEVARRÍA, SANTIAGO
GAVIRIA, PEDRO
GÓMEZ, JUAN M.
GORRÍA, CARLOS
IPARRAGUIRRE, DEMETRIO
LANDA, JESÚS
LÓPEZ DE MATURANA, JUAN J.
MARCAIDA, JOSÉ L.
MARTÍNEZ LALANA, MANUEL
MESEGUER, JOSÉ A.
ORTEGA, JULIO
PUENTE, FERNANDO DE LA
RINCÓN, JOSÉ M.
RODRÍGUEZ SAHAGÚN, PEDRO
RODRÍGUEZ SAHAGÚN, TOMÁS
SIGÜENZA, MANUEL
TOLEDO, PEDRO
TOLOSA, EDUARDO
UNZURRUNZAGA, ALBERTO
URIARTE, PEDRO
URQUIJO, JOSÉ L.

Sacromonte: directed by a "Patronato"; attached to the University of Granada.

COLLEGES

TECHNOLOGY

Escuela Especial de Ingenieros de Caminos, Canales y Puertos (*School of Road, Canal and Port Engineers*): Calle de Alfonso XII, Madrid 3; attached to the Ministry of Public Works; Pres. of the Governing Body THE MINISTER OF PUBLIC WORKS; Dir. of the School CARLOS BENITO HERNÁNDEZ; Sec.-Gen. JOAQUÍN SERRANTO TORMO; library of 47,644 vols.; publ. *Anuario, Revista de Obras Públicas.*

Escuela Técnica Superior de Ingenieros Agrónomos (*Agricultural School*): Valencia; f. 1959.

Escuela Técnica Superior de Ingenieros de Minas (*Mining College*): Oviedo; f. 1949.

Escuela Técnica Superior de Ingenieros de Telecomunicación (*School of Telecommunication Engineers*): Calle Conde Peñalver, 17 & 6, Madrid; Dir. EMILIO NOVOA GONZÁLEZ.

Escuela Técnica Superior de Ingenieros Industriales (*College for Industrial Engineers*): Urgel 187, Barcelona; Dir. DAMIAN ARAGONES PUIG.

Escuela Técnica Superior de Ingenieros Industriales (*College for Industrial Engineers*): Plaza de Calvo Sotelo 3, Bilboa; f. 1898.

Escuela Técnica Superior de Ingenieros Industriales (*College for Industrial Engineers*): Calle J. Gutiérrez Abascal 2, Madrid; library of 9,618 vols.
Director: FERNANDO RODRÍGUEZ AVIAL.
Secretary: LUIS RUIZ-CASTILLO BASALA.

Escuela Técnica Superior de Ingenieros Industriales: Sección Textil, Tarrasa: Barcelona; f. 1904.
Director: F. LÓPEZ-AMO.
Vice-Director: C. MAS.
Secretary: V. GALCERÁN.

Escuela Técnica Superior de Ingenieros de Minas (*School of Mining Engineers*): Rios Rosas 7, Madrid; f. 1777 in Almadén; number of teachers 45; number of students 444; library of 40,000 vols.; Dir. of School MARCELO JORISSEN; Sec. JOSÉ ANTONIO BRIS; Librarian JUAN ANTONIO COMBA.

Instituto Católico de Artes e Industrias (I.C.A.I.) (*Catholic Institute of Arts and Industries*): Alberto Aguilera 23, Madrid 15; f. 1908; Rector JESÚS MARANÓN, S.J.

Faculty of Mechanical and Electrical Engineering:
- *Undergraduate College:* Director of Studies FÉLIX SÁNCHEZ BLANCO, S.J.; 370 students.
- *Technical School:* Director of Studies RICARDO DE GOICOECHAE, S.J.; 330 students.

Faculty of Law and Business Management:
- *Graduate College:* Director of Studies MARIANO SÁNCHEZ GIL, S.J.; 520 students.
- *Undergraduate College:* Director of Studies JUAN MARTÍN DE NICOLÁS, S.J.; 613 students.
- *Directors' School:* Director of Studies MARIANO SÁNCHEZ GIL, S.J.; 104 students.

CHEMISTRY

Instituto Químico de Sarriá (*Sarriá Institute of Chemistry*): Calle Planella, Barcelona 17; f. 1916; number of teachers 32; number of students 355; library of 12,000 vols.; publ. *Afinidad* (bi-monthly).
Director: Dr. PEDRO FERRER PI, S.J.
Secretary: JUAN JOSÉ MUÑOZ FERNÁNDEZ.
Directors of Teaching and Research Sections:
- *Analytical Chemistry:* Dr. MIGUEL MONTAGUT BUSCÁS, S.J.
- *Organic Chemistry:* Dr. MANUEL SANZ BURATA, S.J.
- *Physical Chemistry:* Dr. LUIS CONDAL BOSCH.
- *Chemical Engineering:* Dr. PEDRO RIBOSA ARNÓ.

MILITARY SCIENCE

Escuela de Estado Mayor (*Military Staff School*): Santa Cruz de Marcenado 9, Madrid; f. 1842; number of lecturers 52; number of students 189; library of 117,866 vols.; Dir. Brig.-Gen. ABEL GONZÁLEZ DE MENDOZA Y DORVIER; Librarian Major CARLOS ALVÁREZ ZALBA.

SOCIAL STUDIES

Escuela de Estudios Hispánicos Contemporáneos (*School of Contemporary Hispanic Studies*): Avenida de los Reyes Católicos, Ciudad Universitaria, Madrid; attached to the Instituto de Cultura Hispánica (*q.v.*); f. 1951; courses on "Contemporary Man" under various aspects (literature, art, economics, medicine, politics, philosophy, etc.), with special relation to the study of Spain and the Hispanic countries; Dir. JOSÉ Ma. SOUVIRÓN.

Escuela Social de Madrid (*School of Social Studies*): Amador de los Ríos 7, Madrid; f. 1925; Dir. FRANCISCO AGUILAR Y PAZ; Sec. GABRIEL GÓMEZ GARCÍA. Similar schools are located in Barcelona (Amadeo Vives 3), Valencia, Granada, Salamanca, Oviedo, Zaragoza and Santiago, the six last named being attached to the universities of those towns.

SCHOOLS OF ART, ARCHITECTURE AND MUSIC

Madrid

Escuela de Arte Dramático (*School of Dramatic Art*): Calle del Pez 38; Dir. FERNANDO FERNÁNDEZ DE CÓRDOBA.

Escuela Nacional de Bellas Artes de San Fernando (*Madrid School of Fine Arts*).

Escuela Nacional de Artes Gráficas (*Madrid School of Graphic Arts*): Calle de la Libertad 15; f. 1911.

Number of teachers: 32.
Number of students: 223.
Publication: *Bolétin*.

Escuela Técnica Superior de Arquitectura de Madrid (*Madrid School of Architecture*): 4 Avenida de Juan de Herrera, Ciudad Universitaria; f. 1845; teaching personnel 150; students 1,800; Dir. Prof. Dr. L. MOYA; Deputy Dir. RAFAEL FERNÁNDEZ-HUIDOBRO PINEDA; Sec. ANTONIO CAMUÑAS PARADES.

Real Conservatorio de Música de Madrid (*Royal Academy of Music*): San Bernardo 44; f. 1832; 2,712 registered students and 3,029 free students; Dir. JOSÉ MARÍA FRANCO Y DE BORDONS; publ. *Anuario*.

Barcelona

Escuela Superior de Bellas Artes de San Jorge (*Barcelona School of Fine Arts*).

Escuela Técnica Superior de Arquitectura de Barcelona (*School of Architecture*): Avda. Generalísimo Franco 1,001, Zona Universitaria; f. 1874; library, 5,000 vols.; Dir. ROBERTO TERRADAS VÍA; Sec. LEOPOLDO GIL NEBOT; Librarian SANTIAGO DE VILLALONGA GUSTÁ; 28 mems.

Conservatorio Superior de Música de Barcelona: Calle Bruch 110; f. 1885; incorporates the Conservatorio Superior Municipal de Música (formerly the Escuela Municipal de Música) and the Conservatorio de Música del Liceo (formerly Conservatorio del Liceo Isabel II); teaching staff of 35 full-time and 40 part-time; Dir. JUAN PICH SANTASUSANA; Sec. ENRIQUE FOGE FERRER.

Cadiz

Conservatorio de Música (*Academy of Music*).

Córdoba

Conservatorio Profesional de Música y Escuela de Arte Dramático (*Academy of Music and School of Dramatic Art*): Angel de Saavedra 2; f. 1862; 690 students; Dir. JOAQUÍN REYES CABRERA.

Málaga

Conservatorio Profesional de Música y Escuela de Arte Dramático: number of students (1962-63) 450; Dir. JOSÉ ANDREU NAVARRO.

Murcia

Conservatorio Profesional de Música y Escuela de Arte Dramático: Plaza Romea; f. 1916; 400 students; Dir. MANUEL MASSOTTI LITTEL.

San Sebastián

Conservatorio Profesional Municipal de Música.

Seville

Conservatorio Profesional de Música y Declamación: Dir. NORBERTO ALMANDOZ.

Escuela Superior de Bellas Artes de Santa Isabel de Hungria de Sevilla (*Seville School of Fine Arts*): Gonzalo Bilbao 7-9; f. 1940; 106 students; Dir. JOSÉ HERNÁNDEZ DÍAZ; Vice-Dir. ANTONIO SANCHO CORBACHO; private specialised library.

Escuela Técnica Superior de Arquitectura (*School of Architecture*): Av. de la Victoria (Pabellón del Brasil); f. 1959; Dir. ALBERTO BALBONTÍN; Sec. EMILIO DIEZ MARTÍNEZ.

Valencia

Escuela Superior de Bellas Artes de San Carlos (*Valencia School of Fine Arts*): Calle del Museo 2; f. 1756; library 1,950 vols.; teaching personnel 26; students 220; Dir. FELIPE MARÍA GARÍN ORTIZ DE TARANCO; Sec. ENRIQUE GINER CANET.

Conservatorio de Música: Dir. JOSÉ ROCA COLL; Sec. LUIS BLANES ARQUES.

THE SUDAN

Population 12,650,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council: Central Office, 32 Baralaman Street, Khartoum (P.O. Box 1253, Khartoum); cultural activities, library and reading-room; centre at Wad Medani (P.O. Box 274); reading-rooms at Atbara and El Obeid; Rep. Dr. N. A. Daniel.

Centre Culturel Français: Khartoum; Dir. B. G. Marchand.

Goethe Institut: P.O. Box 1866, Khartoum; f. 1960; Dir.: Dr. Wolfgang Vollmer; br. at Omdurman.

Ministry of Animal Resources, Department of Animal Production, Research Division: P.O. Box 293, Khartoum, Sudan.

Director of Research: Dr. Gaafar Karrar, B.V.SC., D.T.V.M., PH.D.

Senior Veterinary Research Officers: Dr. Mohamed El Tahir Abdel Ragiz, DIP.VET.SC., Dr. Amin Mahmoud Eisa, B.V.SC.

Veterinary Research Officers: Dr. Mohamed Tawfik-Fawi Abdu, DIP.VET.SC., M.SC., PH.D., Dr. Ahmed Ali Mustafa, DIP.VET.SC., M.SC., PH.D., Dr. Abdullah Adlan, B.V.SC.

Veterinary Officers: Dr. El Amin El Mubarak Dalil, B.V.SC., Dr. Hamid Mahmoud Abdulla, B.V.SC., Dr. Omer Fadl Idris, B.V.SC., Dr. Babiker El Hag Ali, B.V.SC., D. Abdu El Dawi, B.V.SC., Dr. Hassan Abu Sheiba, B.V.SC., Dr. Faisal Ibrahim El Dirdiri, B.V.SC.

Entomologist: Sayed Ali Ibrahim Yagi, B.SC., M.SC.

Philosophical Society: Khartoum; covers many subjects, including archæology, ethnology, and natural history; publs. *Sudan Notes and Records, Proceedings of Annual Conferences.*

Research Division, Ministry of Agriculture: P.O. Box 126, Wad Medani; f. 1929; 101 specialists; includes the following sections: Agronomy and Plant Physiology; Botany and Plant Pathology; Entomology (pest control, etc.); Cotton Breeding; Cereal Breeding; Soil Science; Plant Propagation; Horticultural Research; also directs four Regional Research Stations at Wad Medani (Gezira), Ed Damer (Hudeiba), Abu Naama (Kenana), and Yambio (Equatoria); and six sub-stations.

Chief, Research Division: Hussein Idris, B.SC., A.R.C.S., DIP.AGRIC., PH.D.

Library (*see* below).

Stack Medical Research Laboratories: Khartoum; f. 1935;

Director: Mansour Ali Haseeb, D.K.S.M., DIP.BACT.
Bacteriologist: (Vacant).
Government Analyst: D. N. Grindley, F.R.I.C.
Pathologist: (Vacant).
Chemist: E. H. W. J. Burden.
Medical Entomologist: D. J. Lewis, M.A.
Biologist: S. B. Markowski.

Library (*see* below).

U.S. Information Center: Sharia Mek Nimer, Khartoum.

LIBRARIES

Bakht er Ruda Institute of Education Library: Khartoum; central library, postal library for teachers.

Flinders Petrie Library: Sudan Antiquities Service, P.O. Box 178, Khartoum; f. 1946; number of vols. 4,854.

Geological Survey Library: P.O. Box 410, Khartoum; f. 1904; 2,000 volumes; publs. *Annual Report, Bulletin.*

Library of the University of Khartoum: Khartoum; contains 78,000 volumes and receives 1,550 periodicals and journals; includes a special Sudan and African collection; acts as a depository library for U.N., F.A.O., I.L.O., W.H.O. and U.N.E.S.C.O. publications; both are under the general charge of the University Librarian (Vacant).

Omdurman Public Library: Omdurman; f. 1951; 17,650 vols.

Research Division Library: Ministry of Agriculture, Wad Medani; f. 1931; approx. 6,500 vols., 13,710 pamphlets, 250 current journals; Librarian S. A. Mohd.

Stack Medical Research Laboratories Library: Khartoum; f. 1904 (as part of Wellcome Tropical Research Laboratories); 7,000 pamphlets, 6,000 vols.

Wellcome Chemical Laboratories Library: Khartoum; f. 1904; Librarian, Government Analyst; 1,300 pamphlets, 1,080 vols.

MUSEUMS

Halfa Museum: Wadi Halfa; antiquities (ethnological).

Khalifa's House Museum: Omdurman; historical relics of the Mahdi; Curator Sadik Nur, F.R.I.A., A.M.A.

Merowe Museum: Merowe, Northern Province; antiquities and general.

Sudan Natural History Museum: University of Khartoum, P.O. Box 321, Khartoum; f. 1920; transferred from the Ministry of Education to the University of Khartoum, and reorganised 1956; Keeper Prof. J. L. Cloudsley-Thompson, M.A., PH.D., D.SC., F.L.S.; Curator Ahmed Mohammed El Sayed.

Sudan Museum: P.O. Box 178, Khartoum; f. 1905; Departments of Antiquities and Ethnology; Dir. Sayed Thabit Hassan; Commissioner for Archæology; Curator Sayed Mubarak el Rayih; publs. *Report on the Antiquities Service and Museums, Kush* (annually), occasional papers, museum pamphlets, etc.

UNIVERSITIES

THE UNIVERSITY OF KHARTOUM

P.O.B. 321, KHARTOUM

Telephone: 72271

The University of Khartoum came into being on July 24th, 1956, having developed immediately from the University College of Khartoum which had, in turn, been established in 1951 by the fusion of the Gordon Memorial

College (f. 1903), and the Kitchener School of Medicine (f. 1924). The University grants its own degrees in all Faculties. The language of instruction is English except in the departments of Arabic and Sharia Law.

Chancellor: SAYED FARIK IBRAHIM ABBOUD.

Vice-Chancellor: Prof. EL NAZEER DAFALLA, DIP.VET.SC., DIP.BACT.

Chairman of the Council: SAYED MOHAMED IBRAHIM EL NUR.

Registrar: AHMED EL MARDI GOBARA, B.A., B.SC.

Administrative Secretary: AHMED EL SAYED OSMAN, M.A.

Academic Secretary: MOHAMED OMER BESHIR, B.SC. (Econ.)

Librarian: ABDEL RAHMAN EL NASRI, M.A., DIP.LIB.

Number of teachers: 202.
Number of students: 2,086.

DEANS:

Agriculture: Dr. MOHAMMED ABDALLA NOUR, B.SC., PH.D.

Arts: Prof. ABDALLA EL TAYEB.

Economic and Social Studies: Dr. OMER MOHAMED OSMAN, B.COM., M.A., PH.D.

Engineering: Prof. B. O. KUZMANOVIC, DIP.ENG., DR.SCI.TECH.

Law: E. TENENBAUM, M.A., B.C.L.

Medicine: Prof. H. BUTLER, M.A., M.D.

Science: Dr. MUSTAFA HASSAN ISHAG, B.SC., PH.D.

Veterinary Science: A. A. EL KARIB, DIPL.VET.SC.

PROFESSORS:

ABDALLA EL TAYEB, PH.D. (Arabic).
ADAM, K. R., B.SC., PH.D. (Biochemistry).
BUTLER, H., M.A., M.D.,.B.CHIR. (Anatomy).
CLOUDSLEY-THOMPSON, J. L., M.A., PH.D., D.SC., F.L.S. (Zoology).
D'ARCY, P. F., B.PHAR., PH.D. (Pharmacy).
DE LA CHARD, F., B.SC., M.SC. (History).
DROVER, D. P., B.SC., PH.D. (Agricultural Chemistry and Pedology)
DUNBAR, J. M., B.SC., M.B., CH.B., M.D. (Bacteriology).
HUDSON, J. P., B.SC., M.SC., PH.D. (Horticulture).
KUZMANOVIC, B. O., DIP.ENG., DR.SCI.TECH. (Civil Engineering).
LUMSDEN, J. F. W., M.B., CH.B. (Obstetrics and Gynæcology).
LYNCH, J. B., M.D., CH.B., F.R.C.S. (Pathology).
MACLEAY, K. N. G., B.SC., PH.D., F.L.S. (Botany).
MEKKI, EL TAYIB SHEIBEIKA, PH.D. (History).
MORGAN, H. V., M.A., B.M., B.CHIR., P.R.C.P. (Medicine).
MURRAY, W. A., M.A. (English).
NICHOLLS, M. F., C.B.E., M.CHIR., F.R.C.S. (Surgery).
O'BRIEN, P. A., B.SC., M.SC., PH.D. (Physics).
OLIVER, J., B.A., F.R.MET.SC., F.R.G.S. (Geography).
POTTER, J. A., B.A., F.R.I.B.A. (Architecture).
RADOJOCOC, M., DR.SCI. (Mathematics).
SANDERSON, G. N., M.A., PH.D. (History).
TIMMER, W. J., M.SC., PH.D. (Agricultural Organisation).
TORENBOHM, H., F.K., F.M., F.L., F.D. (Philosophy).
WHITEMAN, A. J., B.SC., PH.D. (Geology).

VISITING PROFESSORS:

BOSWORTH, T. J., M.A., B.SC., M.R.C.V.S., D.V.S.M. (Veterinary Science).
KLONTZ, H. E., B.A., PH.D. (Economics and Commerce).
LAMB, G. G., B.SC.(ENG.), M.S.(ENG.), PH.D. (Engineering).
SAHYOUN, PHILIP F., M.D. (Medicine).
TURNER, H. A. (Political Science).
WILLIAMS, F. A., M.A., PH.D. (Rural Economy).

ATTACHED INSTITUTES:

Arid Zone Research Unit: f. 1961; scientific investigations into problems of the fauna, flora and geology of the arid regions of the Sudan; Sec. Prof. A. J. WHITEMAN.

Hydrobiological Research Unit: f. 1951; scientific investigations into the problems of the hydrobiology of the Nile, with special reference to inland fisheries; financed by the Government; Sec. L. BERRY.

University Farm: Shambat; experimental agriculture; Dir. Dr. M. S. BAYOUMI.

CAIRO UNIVERSITY—KHARTOUM BRANCH

KHARTOUM

Founded October 1955, as a branch of Cairo University.

Number of students: 1,138.

Faculties of Arts, Law and Commerce.

COLLEGES AND INSTITUTES

KHARTOUM TECHNICAL INSTITUTE

Founded 1950

Principal: SIRR EL KHATIM EL KHALIFA.

Vice-Principal (Technical): KAMAL EL JACK.

Vice-Principal (Administration): FARAH MOHD FARAH.

Chief Inspector of Technical Intermediate Schools: ABDALLA RABIH.

Registrar: HASSAN MECCAWI.

Administration Assistant: (Vacant).

HEADS OF SCHOOLS AND DEPARTMENTS:

Secondary Technical School: M. A. EL MAGHRABI.

School of Engineering: J. G. THORN, A.M.I.MECH.E.

School of Building: YOUSIF IBRAHIM ANDRAWIS, B.SC.

School of Fine and Applied Arts: BASTAWI BAGHDADI, N.D.D.

School of Commerce: MOHD. ABU BAKR.

Department of English and Extra-Curricular Studies: J. R. B. VANSTONE.

Department of Mathematics and Science: AHMED SALIM SAIDAN.

Department of Further Education: WADIE SHIHATA.

Number of students:
Post Secondary Education: 1,097 (full-time).
Further Education: 2,264 (part-time).
Technical Intermediate and Post Intermediate: 2,025 (full-time).

Number of lecturers: 100 (approx.).

Courses are offered to the level of Higher National Certificate and K.T.I. Advanced Diploma.

HIGHER TEACHERS' TRAINING INSTITUTE

KERRERI

Founded 1961

Number of students: 51 men, 9 women; total 60.

Four-year courses in Arabic, Arabic Literature and Islamic Studies; English Language and Literature; History; Geography; Chemistry; Physics; Biology and Mathematics.

SHAMBAT AGRICULTURAL INSTITUTE

SHAMBAT

Number of teachers: 13.
Number of students: 60.

SWEDEN

Population 7,626,978

PRIZE FOUNDATIONS

THE NOBEL PRIZE FOUNDATION

Nobelstiftelsen (*The Nobel Foundation*): was established in 1900 in pursuance of the provisions of the will of Alfred Nobel (1833-96), by which the whole of his fortune (more than 30 million Kronor) was bequeathed to a fund, the interest of which should be annually paid out to those who during the preceding year "have conferred the greatest benefit on mankind." The interest is divided into five equal parts, to be allotted as follows: "One part to the person who shall have made the most important discovery or invention in the domain of *physics*; one part to the person who shall have made the most important *chemical* discovery or improvement; one part to the person who shall have made the most important discovery in the domain of *physiology* or *medicine*; one part to the person who shall have produced in the field of *literature* the most distinguished work of an idealistic tendency; and one part to the person who shall have done most to promote the *fraternity of nations*, the abolition or diminution of standing armies, and the formation and propagation of a Peace Congress."

The funds and other moneys of the Foundation are administered by a Board: Prof. ULF VON EULER-CHELPIN (Pres.); N. K. STÅHLE (Exec. Dir.), E. G. RUDBERG, J. WALLENBERG, S. A. FRIBERG; Deputies K. R. GIEROW, O. FROSTMAN (Nobel House, Sturegatan 14, Stockholm).

Prizes are distributed annually (for the first time in 1901) on the festival day of the Foundation, i.e. Dec. 10th, and are awarded by the following:

Physics: The Royal Swedish Academy of Sciences.

Chemistry: The Royal Swedish Academy of Sciences.

Medicine: The Royal Caroline Medico-Chirurgical Institute.

Literature: The Swedish Academy.

Peace: Nobel Committee of the Norwegian Parliament.

(For winners of the Peace Prize, *see under* Norway.)

Publs. *Les Prix Nobel* (annual), *Nobelstiftelsens Kalender* (biennial), *Code of Statutes, Alfred Nobel och Hans Släkt* (English Edition: *Life of Alfred Nobel* (1929)), *Nobel: the Man and His Prizes* (1950, n.ed. 1962), *Alfred Nobel: The Man and His Work* (1962), *Nobel Lectures* (1964-), *Publications de l'Institut Nobel Norvégien.*

THE HAMMARSKJÖLD FOUNDATION

Dag Hammarskjöld Foundation: Box 342, Stockholm 1; f. 1963; set up to provide supplementary short-term training of national leaders and technicians in under-developed countries; administered by an international Board of Directors.

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

Svenska Akademien (*Swedish Academy*): Börshuset, Stockholm; f. by Gustavus III in 1786 on the model of the French Academy; the Academy annually awards the Nobel Prize in Literature; Pres. changed every six months; there are eighteen members; publs. *Svenska Akademiens Handlingar* (annually) and a dictionary of the Swedish language.

Permanent Secretary: Dr. KARL RAGNAR GIEROW.

MEMBERS:

EKEBERG, BIRGER.	WESSÉN, ELIAS.
ANDERSSON, INGVAR.	LAGERKVIST, PÄR.
NYBERG, HENRIK.	JOHNSON, EYVIND.
SIWERTZ, SIGFRID.	EKELÖF, GUNNAR.
OLSSON, HENRY.	MARTINSON, HARRY.
HEDBERG, OLLE.	JOHANNISSON, TURE
BERGMAN, BO.	GIEROW, KARL RAGNAR
ÖSTERLING, ANDERS.	LINDEGREN, ERIK.
JOSEPHSON, RAGNAR.	LÖNNROTH, ERIK.

Secretary of the Nobel Committee: Dr. UNO WILLERS.

Kungl. Vitterhets Historie och Antikvitets akademien (*Royal Academy of Letters, History and Antiquities*): Storgatan 41, Stockholm; f. 1753 to promote the study of the humanities, history and archæology; approx. 90 Swedish, 50 foreign mems.; Pres. Prof. B. KARLGREN; Sec. and Dir.-Gen. of the Central Office and of the Museum of National Antiquities (Riksantikvarie) G. SELLING; publs. *Fornvännen* (journal), *Handlingar* (memoirs), *Arkiv* (archives), *Årsbok* (yearbook), monographs and catalogues of Museum of National Antiquities; library and archives; *see under* Libraries.

Göteborgs Kungl. Vetenskaps- och Vitterhets-Samhälle (*Royal Society of Arts and Sciences*): Universitetsbiblioteket, Göteborg; f. 1778; Sec. Dr. J. E. HOLMBERG; publ. *Göteborgs K. Vetenskaps- och Vitterhets-Samhälles Handlingar*; 125 Swedish and 67 foreign mems.

AGRICULTURE

Kungl. Skogs- och Lantbruksakademien (*Royal Swedish Academy of Agriculture and Forestry*): Hovslagargatan 2, Stockholm C.; f. 1811 to apply science to the development and improvement of agriculture and forestry; Pres. THORWALD BERGQUIST; Perm. Sec. Prof. KÅRE FRÖIER; 15 hon., 165 working mems.; 75 foreign mems.; 65,000 vols. in library; publs. *Kungl. Skogs- och Lantbruksakademiens Tidskrift* (6 numbers yearly), *Acta Agriculturae Scandinavica* (4 numbers yearly).

ARCHITECTURE

Svenska Arkitekters Riksförbund (*National Assen. of Swedish Architects*): Odengatan 3, Stockholm; f. 1936; objects are "to promote the art of building and to watch over the general interests of architects"; 1,500 mems.; Chair. ANDERS TENGBOM; Sec. RAGNAR UPPMAN; Sec.-Gen. BO FRITZELL; publs. *Arkitekten* (fortnightly), *SAR:s Tävlingsblad* (six times yearly).

Svenska Arkitektföreningen (*Swedish Architects' Society*): Brunkebergstorg 20, Stockholm; f. 1888; 383 mems.; Chair. GÖRAN SIDENBLADH; Sec. BERNT SAHLIN; publs. *Byggmästaren*, *Arkitektur* (both monthly).

ART

Kungl. Akademien för de fria Konsterna (*Royal Academy of Fine Arts*): Fredsgatan 12, Stockholm; f. 1735 to promote the development of painting, sculpture, architecture and allied arts; the Academy superintends the Kungl. Konsthögskolan; 66 mems., 12 hon. mems.; Pres. P. HEDQVIST; Vice-Pres. STELLAN MÖRNER; Sec. S. KARLING; publ. *Meddelanden från Kungl. Akademien för de fria Konsterna* (*yearly*).

Svenska Slöjdföreningen (*Swedish Society for Industrial Design*): Nybrogatan 7, Stockholm 7; f. 1845; 17,000 mems.; Pres. ARTHUR HALD; Man. Dir. DAG WIDMAN; publs. *Form* (10 a year); *Kontur/Swedish Design Annual*.

Sveriges Allmänna Konstförening (*Swedish General Art Assn.*): Stora Nygatan 5, P.O.B. 2151, Stockholm 2; f. 1832; approx. 20,000 mems.; Pres. JOHAN NORDENFALK; Dir. Konstnären MAGNUS CREUTZ; Sec. Direktör KJELL HÄGGLÖF; publ. *Sveriges Allmänna Konstförenings årspublikation* (Swedish General Art Association's annual publication).

INTERNATIONAL CULTURAL INSTITUTES

British Centre: Kommendörsgatan 30, Stockholm Ö, f. 1954; object: to spread knowledge of the English language and England; employs 75 British teachers of English in provincial towns throughout the country; also has its own school of English in Hove, Sussex, England; Dir. IAN DUNLOP, M.A.

British Council: c/o The British Embassy, Strandvägen 82, Stockholm NO; f. 1941; Rep. A. D. THOMAS, O.B.E.

Centre Français: Artillerigatan 26, Stockholm; f. 1947; object: to further knowledge of the French language in Sweden; employs 30 French teachers in provincial towns; Dir. MARCEL BOUVIER.

Deutsches Kulturinstitut (Goethe Institut): Deutsche Bibliothek, Hovslagergatan 2, Stockholm.

Deutsches Zentrum: Grevturegatan 9, Stockholm; object: to stimulate interest in German language and culture; employs 40 German teachers stationed in provincial towns; Dir. GUNNAR ROSÉN.

Ibero-American Institute: Vasagatan 3, Gothenburg; f. 1939; information, research, courses; library of 25,500 vols.; Dir. NILS HEDBERG; publ. regular cultural series, monographs, five-year reports.

Institut Français: Strandvägen 5a, Stockholm; f. 1937; object: to encourage cultural relations between France and Sweden; Dir. JEAN-FRANÇOIS MIQUEL.

Istituto Italiano di Cultura "C. M. Lerici": Gärdesgatan 14, Stockholm; Dir. Prof. SERGIO PONZANELLI.

Stiftelsen Wenner-Gren Center for Scientific Research: Sveavägen 166, Stockholm VA; f. 1962; residence and meeting place for foreign visiting scientists.

Svenska Institutet för Kulturellt Utbyte med Utlandet (*The Swedish Institute for Cultural Relations*): Kungsgatan 42, Stockholm 3. f. 1945; object: to promote a wider knowledge of Sweden abroad; Pres. Dr. GUNNAR SUNDBLAD; Man. Dir. PER-AXEL HILDEMAN.

Sverige-Amerika Stiftelsen (*The Sweden-America Foundation*): Grevturegatan 14, Stockholm; f. 1919 to increase understanding between Sweden and the United States and, since 1950, Canada; awards fellowships for Swedes to study in the United States and Canada and advises students from those countries about studies in Sweden; Chair. BENGT PETRI; Dir. ADÈLE HEILBORN; publs. *Resor och Studier i U.S.A.*, *Travel, Study and Research in Sweden*.

U.S. Information Center: Norrmalmstorg 1, Stockholm.

ENGINEERING

Ingeniörsvetenskapsakademien (*Royal Swedish Academy of Engineering Sciences*): Box 5073, Stockholm 5; f. 1919 to promote technical research; 200 mems.; Dir. Prof. SVEN BROHULT; Asst. Dir. G. LJUNGBERG; publs. *Meddelanden*, Swedish contributions to *Acta Polytechnica Scandinavica* (monographs), *TVF*, *Teknisk-vetenskaplig forskning* (periodical, 8 issues per year).

Svenska Teknologföreningen (*Swedish Association of Engineers and Architects*): Brunkebergstorg 20, Stockholm C; f. 1861; 14,300 mems.; Pres. BENGT WIJKMAN; Man. Dir. BERTIL SJÖGREN; publ. *Teknisk Tidskrift* (weekly).

Svenska Konsulterande Ingenjörers Förening (*Swedish Association of Consulting Engineers*): Linnégatan 12-14, Stockholm Ö; f. 1910; 355 mems.; Pres. BENGT O. M. OLSON; Man. Dir. RAGNAR WIDEGREN.

ETHNOLOGY

Kungl. Gustav Adolfs Akademien (*Royal Gustavus Adolphus Academy*): Uppsala: f. 1932; Pres. Prof. DAG STRÖMBÄCK; Vice-Pres. Prof. GÖSTA BERG; Sec. Prof. JÖRAN SAHLGREN.

GEOGRAPHY AND GEOLOGY

Geologiska Föreningen (*Geological Society*): Stockholm 50; f. 1871; 600 mems.; Pres. Fil. Dr. GUNNAR KAUTSKY; Sec. Fil. lic. E. ÅHMAN; Editor Fil. Dr. A. MARTINSSON; publ. *Geologiska Föreningens i Stockholm Förhandlingar* (quarterly).

Kungl. Fysiografiska Sällskapet i Lund (*Royal Physiographical Society of Lund*): Lund; f. 1772; 178 mems., 78 foreign correspondents; Pres. Prof. CARL-HERMAN HJORTIGÖ; Sec. Prof. G. GLIMSTEDT; publs. *Fysiografiska Sällskapets Årsbok*, *Acta Universitatis Lundensis*, *Pectio II* (both annually).

Svenska Sällskapet för Antropologi och Geografi (*Swedish Society for Anthropology and Geography*): Stockholms Universitet, Stockholm; f. 1880; aims: to forward the development of anthropology and geography in Sweden, to communicate with foreign societies with the same objectives, and to support investigations into anthropology and geography; 1,100 mems.; library of 10,000 vols.; Pres. GUNNAR HOPPE; Sec. BERTIL HEDENSTIERNA; publs. *Geografiska Annaler*, *Ymer*, *Atlas of Sweden*.

INTERNATIONAL AFFAIRS

Utrikespolitiska Institutet (*The Swedish Institute of International Affairs*): Birger Jarlsgatan 20, Stockholm; f. 1938; object: to promote the studies of international affairs; Pres. Prof. HILDING EEK; Man. Dirs. Dr. KARL E. BIRNBAUM, E. HOLM.

LAW

International Law Association: Swedish Branch; f. 1922; Pres. Judge ALGOT BAGGE, STURE PETRÉN; Council: BERTIL AHRNBORG, NILS BERGLUND, SIGURD DENNEMARK, HILDING EEK, TORSTEN GIHL, EMANUEL HÖGBERG, ALVAR LINDENCRONA, HÅKAN NIAL, STEN RUDHOLM, G. VON SYDOW, LARS HJERNER, HUGO WIKANDER, CLAES PALME; Hon. Sec. and Treas. C. PALME, Wahrendörffsgatan 1, Stockholm.

LITERATURE

Samfundet de Nio (*Nine Swedish Authors' Society*): Villagatan 14, Stockholm; f. 1913; Pres. OLLE HOLMBERG (professor); Sec. ANDERS R. ÖHMAN (lawyer); mems. JOHN LANDQUIST, ALGOT WERIN, (professors), KARL

VENNBERG (poet and essayist), MARGIT ABENIUS, ELSA BJORKMAN-GOLDSCHMIDT (essayists), ASTRID LINDGREN (novelist), EVA ANDEN (lawyer); publ. *Svensk Litteraturtidskrift* (quarterly).

Sveriges Författareförening (*Swedish Authors' Society*): Författargården Lilla Hornsberg, Stockholm K; f. 1893; to protect the intellectual and economic interests of authors; 543 mems.; Pres. JAN GEHLIN; Sec. KARL OTTO ZAMORE; publ. *Medlemsblad för Sveriges Författareförening* (journal for members).

MATHEMATICS

Matematiska Föreningen, Universitetet, Uppsala (*Mathematical Society*): The University, Uppsala; f. 1853; 30 mems.; Sec. ARNE NORDLANDER.

Lunds Matematiska Sällskap (*Lund Mathematical Society*): Matematiska Institutionen, Lund; f. 1923; 180 mems.; Sec. and Treas. MARIANNE ESKILSSON.

MEDICINE

Kungl. Medicinalstyrelsen (*National Board of Health*): Vallingatan 2, Stockholm; public health and hospital administration; f. 1663; Gen. Dir. ARTHUR ENGEL, M.D.; publs. *Allmän Hälso-och Sjukvård* (Official Statistics of Sweden: Public Health in Sweden), annual report on the state of public health, *Cancer Incidence in Sweden* (Report of the Board's Cancer Registry).

Svenska Läkaresällskapet (*Swedish Medical Society*): Box 558, Stockholm 1; f. 1807; 3,500 mems.; Chair. Prof. G. VON BAHR, M.D.; Sec. JOHN LUNDQUIST, M.D.; publs. *Hygiea, Svenska Läkaresällskapets Förhandlingar.*

MILITARY SCIENCE

Kungl. Krigsvetenskaps Akademien (*Royal Military Academy*): Ostermalmsgatan 87, Stockholm; f. 1796 to advance military science and disseminate knowledge in the services; 330 mems.; Pres. Lieut.-Gen. I. B. T. CARPELAN; Sec. Maj.-Gen. C. H. JENTZEN.

MUSIC

Kungl. Musikaliska Akademien (*Royal Academy of Music*): Stockholm; f. 1771 for the promotion and protection of the art and science of music; approx. 170 mems.; library; Pres. Prof. C.-A. MOBERG; Sec. STIG WALIN; publ. *Kungl. Musikaliska Akademiens Årsskrift* (year book) (*see also under* Universities).

Musikaliska Konstföreningen (*Musical Art Association*): Post Box 16,265, Stockholm 16; f. 1859 for the publication of Swedish music; Chair. G. MORIN; Sec. C. GENETAY.

Svenska Samfundet för Musikforskning (*Swedish Society for Musicology*): Stockholm; f. 1919; approx. 465 mems.; Pres. Prof. I. BENGTSSON, Uppsala University; Sec. Dr. Phil. A. HELMER, Infanterigatan 1, Solna; publs. *Svensk Tidskrift for Musikforskning* (year book), *Monumenta Musicae Svecicae.*

NATURE STUDY

Svenska naturskyddsföreningen (*The Swedish Society for the Conservation of Nature*): Riddargatan 9, Stockholm; mem. of IUCN; 45,000 mems.; publ. *Sveriges Natur* (bi-monthly) and a yearbook.

SCIENCE

Kungl. Svenska Vetenskapsakademien (*Royal Swedish Academy of Science*): Stockholm 50; f. 1739 by a society among whose members was Carl Linnaeus, for the promotion of mathematics and natural sciences; 150 mems., 108 foreign corresps.; Pres. OTTO FROSTMAN; Perm. Sec. ERIK RUDBERG; publs. *Kungl. Svenska Vetenskapsakademiens Handlingar, Arkiv för matematik, Arkiv för astronomi, Arkiv för fysik, Arkiv för geofysik, Arkiv för kemi, Arkiv för mineralogi och geologi, Arkiv för botanik, Arkiv för zoologi, Stockholms Observatoriums Annaler, K. Vetenskapsakademiens Årsbok* (year book), etc.; library: *see* Libraries.

Kungl. Vetenskaps-Societeten (*Royal Society of Sciences at Uppsala*): St. Larsgatan 1, Uppsala; f. 1710; 130 mems., 100 foreign corresps.; Pres. Prof. SVEN HÖRSTADIUS; Sec. Prof. GUNNAR MALMQUIST; Libr. Fil. Lic. ÅKE DINTLER; publs. *Nova Acta Regiæ Societatis Scientiarum Upsaliensis, Kungl. Vetenskaps Societetens Årsbok* (annually).

STATISTICS

Statistiska Föreningen (*Statistical Society*): Linnégatan 87, Fack, Stockholm 27; f. 1901; forms a link between practising statisticians and laymen interested in statistics, and by means of lectures, discussions and reports contributes to the analysis of problems in this field of science; 400 mems.

RESEARCH COUNCILS AND RESEARCH INSTITUTES

RESEARCH COUNCILS

Statens råd för Atomforskning (*Swedish Atomic Research Council*): Stockholm; f. 1945; objects are to co-ordinate and lead the activities concerning nuclear research within the country and to promote the work in this field, *inter alia* by grants to scientists and scientific institutions; 12 mems.; Pres. Governor MATS LEMNE, Vänersborg; Sec.-Gen. Dr. GÖSTA FUNKE, Stockholm.

Statens råd för Byggnadsforskning (*Swedish National Council for Building Research*): Linnégatan 81, Stockholm Ö; f. 1960; aim is to follow and promote technical research in the building industry; 9 mems.; Pres. HJALMAR OLSON, DR.TECH.; Dir. MEJSE JACOBSSON, DR.TECH.; publs. *Handlingar* (Transactions), *Rapporter* (Reports), *Smdskrifter* (Pamphlets).

Statens medicinska forskningsråd (*Swedish Medical Research Council*): Uppsala; f. 1945; the Medical Research Council was established under the Ministry of Ecclesiastical Affairs and Public Instruction to administer funds provided annually by the Swedish Parliament for the promotion of scientific research in medicine: in the fiscal year of 1964-65 the fund amounted to 12,360,000 Swedish Kr.; 17 mems.; Chair. B. PETRI, Governor of the Administrative District of Kristianstad; Sec. Prof. BENGT E. GUSTAFSSON, M.D.

Statens naturvetenskapliga forskningsråd (*Swedish Natural Science Research Council*): Stockholm; f. 1946; object is to promote, by grants and in other ways, scientific research work within the country, and also to further co-operation between this work and investigations within kindred fields of learning; 12 mems.; Pres. Dir. Gen. MARTIN FEHRM, Stockholm; Sec. Dr. GÖSTA FUNKE, Stockholm; publ. *Svensk naturvetenskap.*

Statens råd för Samhällsforskning (*The Swedish Council for Social Science Research*): Wenner-Gren Center, Sveavägen 166, Stockholm Va; f. 1947; encourages and promotes scientific research in the fields of social science, legal science, psychology and education; Chair. Prof. TORGNY SEGERSTEDT; Secs. ÅKE BRUHN-MÖLLER and ESKIL BJORKLUND; library *see under* Statens Psykologisk-Pedagogiska Bibliotek.

RESEARCH INSTITUTES

Agriculture, Forestry

Jordbrukstekniska Institutet (*Swedish Institute of Agricultural Engineering*): Ultuna, Uppsala 7; f. 1945; 2,000 vols. in library; Dir. Gustaf Aniansson, m.sc.agr.; publ. *Meddelanden* (bulletins on the various investigations), at irregular intervals.

Träforskningscentrum (*Swedish Wood Research Centre*): 53-67 Drottning Kristinas väg, Stockholm; f. 1944; carries out investigations of forest products, their development and use; trains scientists and engineers; approx. 250 mems.

Svenska Träforskningsinstitutet (*Swedish Forest Products Research Laboratory*): Head of Wood Technology Dept. B. Thunell, dr.techn.; Head of Wood Chemistry Dept. B. Lindberg, dr.sc.; Head of Paper Technology Dept. B. Steenberg, dr.sc.; Sec. E. Westberg; Librarian Mrs. M. Haeggström.

Centrallaboratorier (*Central Laboratories*): Heads: Cellulose Industry Laboratory L. Stockman, dr.techn.; Graphic Arts Research Laboratory Gösta Carlsson, chem.eng.; Paper Mills Laboratory O. Brauns, chem.eng.; Wood Industry Laboratory B. Thunell, dr.techn.; Fibre Board Industry Laboratory E. Back, dr.techn.

Publications: *Meddelanden fran: Svenska träforskningsinstitutet, Träteknik, Träkemi och Papperssteknik, Cellulosaindustriens Centrallaboratorium, Grafiska Forskningslaboratoriet, Pappersbrukens Centrallaboratorium, Trätekniska Centrallaboratoriet, Wallboardindustriens Centrallaboratorium.*

Statens Växtskyddsanstalt (*National Institute for Plant Protection*): Solna 7; f. 1932; research into diseases and pests of cultivated plants; number of scientists 40; the library contains 9,000 vols.; Dir. of the Inst. and Head Advisory Dept. I. Granhall, ph.d.; Head Dept. of Botany D. Lihnell, ph.d.; Head Dept. of Zoology E. Sylvén, ph.d.; Head Dept. of Supervision and Plant Quarantine H. von Rosen, d.agr.; Head Dept. of Chemistry S. Renvall, m.a.; Head Branch Station at Alnarp, Åkarp. J. Mühlow, b.a.; Head Branch Station at Linköping B. Wahlin, m.a.; Head Branch Station at Skara Å. Borg, m.a.; Head Branch Station at Teg H. Hellqvist, m.agr.; Head Branch Station at Kalmar U. Haegermark, m.agr.; publs. *Meddelanden från Statens Växtskyddsanstalt, Flygblad från Statens Växtskyddsanstalt* (irregular), *Växtskyddsnotiser* (6 times a year).

Economics

Industriens Utredningsinstitut (*The Industrial Institute for Economic and Social Research*): Box 5037, Stockholm 5; f. 1939; 20 research fellows; Pres. Ragnar Bentzel, ph.d.; English summaries of most publications available.

Företagsekonomiska Forskningsinstitutet vid Handelshögskolan i Stockholm (*The Business Research Institute at the Stockholm School of Economics*): *see under* Handelshögskolan i Stockholm (below).

Geology

Oceanografiska Institutionen vid Universitet i Göteborg (*Dept. of Oceanography at the University of Gothenburg*): Stigbergstorget 8, Box 1038, Göteborg 4; f. 1939; investigation of physical and chemical oceanography, deep-sea deposits, radioactive elements in ocean waters, etc.; acts as centre of research on material from the Swedish Deep-Sea Expedition, and editorial office for its reports; library of 3,000 vols.; Dir. Prof. B. Kullenberg; Sec. and Librarian Miss Stina Mellgren; Chief Scientist Dr. N. Jerlov; 12 mems.; publs. *Meddelanden från Oceanografiska Institutionen i Göteborg, Reports of the Swedish Deep-Sea Expedition.*

Sveriges Geologiska Undersökning (*Geological Survey of Sweden*): Stockholm 50; f. 1858; Government institute for scientific and practical research on the geology of Sweden; library of 40,000 vols.; Dir. K. A. Lindbergson; publs. geological maps, *Årsbok* (yearbook).

Medicine

Statens Institut för Folkhälsan (*The National Institute of Public Health*): Stockholm 60; f. 1938; objects are to prepare and promote preventive measures designed to preserve and improve public health; 220 mems.; library of 5,000 vols.; Dir. Prof. E. Brunius; publs. *Vår Föda, Berättelse över verksamheten vid statens institut för folkhälsan.*

Statistics

Kungl. Statistiska Centralbyrån (*Central Bureau of Statistics*): Linnégatan 87, Stockholm NO; postal address: Fack, Stockholm 27; f. 1858; Chief Dir. Dr. Ingvar Ohlsson; five sections for special statistical branches: (1) Vital and Electorial Statistics, Population Census, Dir. Ture Widstam; (2) Agriculture, Fisheries, Dir. Knut Medin; (3) Local Government Finance, Tax Assessment Income and Property, Economy of Manufacturing and Commercial Enterprises, Local Savings Banks, State and Local Government Employees, Dir. John Bredal-Bauer; (4) Judicial and Criminal Statistics, Road Traffic Accidents, Dir. Cecil Hammarberg; (5) Educational Statistics, Dir. Klas Wallberg. Other sections: Chancellery, Dir. Sten Högberg; Library, Archives, Statistical Abstract and Statistical Review, Dir. Margit Vinge; Division of Civil Registration, Dir. Alf Olsson; Machine Tabulation Services (with Register of Motor Vehicles), Dir. Åke Pernelid; Survey Research Centre, Dir. Gunnar Jacobsson; publs. include *Statistical Abstract of Sweden, Statistical Review*; library: *see* Libraries.

Technology

Institutet för metallforskning (*Swedish Institute for Metal Research*): Drottning Kristinas väg 48, Stockholm Ö; f. 1919, reorganised 1943 and 1962; institute is equipped with furnaces for high-frequency melting and for heat-treatment of metals, apparatus for gas analysis, spectral analysis, optical and electronic microscopy, X-ray and micro X-ray investigations, electron probe analyser, etc.; 2,000 monographs and 120 periodicals; Pres. Prof. Roland Kiessling, d.sc.; Sec. Mrs. G. Bergman; Librarian B. Bergman, Air Commodore (retd.).

Statens Provningsanstalt (*The National Institute for Materials Testing*): Stockholm O; f. 1920 (Testing Institute of the Royal Institute of Technology, 1896-1920); object is to carry out, on behalf of Government institutions and private firms, impartial expert tests of raw products and manufactured articles, and to investigate and report on their mechanical, physical and chemical properties and their commercial utilisation; 230 mems.; library of 8,000 vols.; Dir. L. Simonsson; publs. *Meddelanden* (Proceedings), *Cirkulär* (Circulars).

Svenska Textilforskningsinstitutet (*Swedish Institute for Textile Research*): Gibraltargatan 5F, Göteborg S; f. 1943; technical and scientific research on textile materials and processes; library of 2,500 vols.; Dir. Prof. Nils Gralén; publ. *Meddelanden från Svenska Textilforskningsinstitutet.*

Statens Skeppsprovningsanstalt (*Swedish State Shipbuilding Experimental Tank*): Göteborg 24; f. 1940; testing and research work; library of 1,150 vols.; Dir. Dr. Hans Edstrand; publ. *Meddelanden från Statens Skeppsprovningsanstalt* (in English or English summary).

Statens Geotekniska Institut (*Swedish Geotechnical Institute*): Banérgatan 16, Stockholm NO; f. 1944; staff of 70; research and consulting work in soil mechanics and foundation engineering; Dir. B. Broms; Research and consulting Dept. (*a*) G. Lindskog; (*b*) A. Ekström; (*c*) R. Pusch; Mechanical Dept. L. Hellman; Laboratory Dept. R. Karlsson; Technical Secretariat N. Flodin; publs. *Meddelanden, Proceedings, Reprints and Preliminary Reports.*

Flygtekniska försöksanstalten, FFA. (*The Aeronautical Research Institute of Sweden*): Ranhammarsvägen 12, Box 11021, Bromma 11; f. 1940; 280 mems.; Dir.-Gen. Bo Lundberg; Chief of Aerodynamics Dept. G. Drougge; Chief of Structures Dept. G. Wallgren; Chief of Physics Dept. K. Fristedt; Chief of Engineering Dept. C. Nelander; Chief of Secretary's Office C.-E. Ullman; Librarian Mrs. B. Berg; publ. *FFA Meddelanden* (Reports).

Stiftelsen för Skeppsbyggnadsteknisk Forskning (*The Swedish Shipbuilding Research Foundation*): Gustaf Dalénsgatan 8, Gothenburg H; f. 1955; research on ship mechanics and hydrodynamics; Pres. N. Holström; Dir. of Research G. Backman.

Veterinary Science

Statens veterinärmedicinska anstalt (*State Veterinary Medical Institute*): Stockholm 50; f. 1911 (reorganised 1944); research, diagnostic work, preparation of sera and vaccines, consultative work concerning control and prophylaxis of animal diseases; consists of six departments: Bacteriological, Pathological, Serological, Parasitological, Chemical and Consultative; library of 10,000 vols.; Dir. H.-J. Hansen, v.m.d.; Sec. R. Jobson; Librarian K. Isaksson; scientific staff 36, technicians and other employees 130; publ. *Collected Papers of the State Veterinary Medical Institute* (issued annually).

LIBRARIES AND ARCHIVES

PRINCIPAL PUBLIC LIBRARIES

Bibliotekskonsulenterna i Kungl. Skolöverstyrelsen (*The Library Advisers to the National Board of Education*): Fack, Stockholm 8 (office at Sveavägen 21); f. 1913; supervises and advises public libraries; runs a library school and courses for part-time librarians; staff of 15; library of 6,000 vols. (books on librarianship, bibliographies, reference books, and a basic collection of books for public and school libraries); Dir. Bengt Hjelmqvist.

Borås stadsbibliotek (*City Library and County Library of Älvsborgs län*): Sturegatan 36, Borås; f. 1860; 152,000 vols.; Chief Librarian Jörgen Elgström.

Eskilstuna stadsbibliotek (*City Library and County Library of Södermanlands län*): Kriebsensg., 4 Eskilstuna; f. 1925; 170,000 vols.; Chief Librarian Gunborg Nyman.

Gävle stadsbibliotek (*City Library and County Library of Gävleborgs län*): S. Strandgatan 6, Gävle; f. 1907; 146,000 vols.; Chief Librarian Thord Plænge Jacobson.

Göteborgs stads folkbibliotek (*City Library and County Library of Göteborgs och Bohus län*): S. Allégatan 4, Göteborg SV; f. 1861; 700,000 vols.; Chief Librarian Sigurd Möhlenbrock.

Halmstads stadsbibliotek (*City Library and County Library of Hallands län*): Fredsgatan 2, Halmstad; f. 1922; 106,000 vols.; Chief Librarian Nils Roth.

Jämtlands läns bibliotek (*City Library of Östersund and County Library of Jämtlands län*): Rådhusgatan 25, Östersund; f. 1833; 183,000 vols.; Chief Librarian Ingemar Kalén.

Jönköpings stadsbibliotek (*City Library and County Library of Jönköpings län*): V. Storgatan 35, Jönköping; f. 1916; 140,000 vols.; Chief Librarian Herluf af Trolle.

Kalmar stadsbibliotek (*City Library and County Library of Kalmar län*): Slottsvägen 1, Kalmar; f. 1922; 112,000 vols.; Chief Librarian Brita von Zweigbergk.

Luleå stadsbibliotek (*City Library and County Library of Norrbottens län*): Köpmangatan 17, Luleå; f. 1903; 126,000 vols.; Chief Librarian Stig Kågerman.

Malmö stadsbibliotek (*City Library and County Library of Malmöhus län*): Regementsgatan 3, Malmö; f. 1905; 520,000 vols.; Chief Librarian Bengt Holmström.

Örebro stadsbibliotek (*City Library and County Library of Örebro län*): Fabriksgatan 2, Örebro; f. 1862; 213,500 vols.; Chief Librarian Karl Gustav Wirde.

Stifts- och landsbiblioteket i Linköping (*State County Library, Östergötlands län*): Ågatan 65, Linköping; f. 1926; 315,000 vols.; Chief Librarian Åke Vretblad.

Stifts- och landsbiblioteket i Skara (*State County Library, Skaraborgs län*): Biblioteksgatan, Skara; f. 1938; 178,000 vols.; Chief Librarian Bengt Stenberg.

Stifts- och landsbiblioteket i Västerås (*State County Library, Västmanlands län*): Domkyrkoesplanaden 12-14, Västerås; f. 1952; 290,000 vols.; Chief Librarian Helga Lindsten.

Stifts- och landsbiblioteket i Växjö (*State County Library, Kronobergs län*): Västra Esplanaden 7B, Växjö; f. 1954; 210,000 vols.; Chief Librarian Eric Eilert.

Stockholms stadsbibliotek (*City Library of Stockholm*): Sveavägen 73, Stockholm; f. 1927; 967,000 vols.; Chief Librarian Gert Hornwall.

Umeå stadsbibliotek (*City Library and County Library of Västerbottens län*): Kungsgatan 80, Umeå; f. 1903; 215,000 vols.; Chief Librarian Sven-Ola Hellmér.

Uppsala stadsbibliotek (*City Library and County Library of Uppsala län*): Ö. Ågatan 19, Uppsala; f. 1906; 151,000 vols.; Chief Librarian Paul Harnesk.

OTHER LIBRARIES

Stockholm

Riksarkivet (*Public Record Office*): Arkivgatan 3, Stockholm 2; f. 1618; National Archivist Dr. Åke Kromnow; publ. *Meddelanden från Svenska riksarkivet.*

Handelshögskolans Bibliotek (*Library of the Stockholm School of Economics*): Sveavägen 65, Stockholm Va; f. 1909; 125,000 vols.; economic subjects; Chief Librarian Hans Baude.

Kungl. Biblioteket (*Royal Library*): Stockholm 5; f. early 17th century; 900,000 vols., 14,000 MSS., including the *Codex aureus*, a Latin book of Gospels written in Canterbury about A.D. 750, and the celebrated "Devil's Bible" (*Gigas librorum*), a parchment MS. of Bohemian origin dating from about the year 1200; also very valuable collections of old Icelandic MSS. and Elzevir books; Japanese collection of A. E. Nordenskiöld; Goethe and Wagner collection of Vult von Steyern; Chief Librarian Uno Willers; publs. *Accessionskatalog*

(since 1886), comprising the titles of all books not printed in Sweden acquired by the greater libraries of Sweden (annual), *Svensk bokförteckning* (Swedish National Bibliography), *Handlingar* (Publications), *Acta*.

Kungl. Karolinska Mediko-Kirurgiska Institutets Bibliotek (*Royal Caroline Medico-Surgical Institute Library*): Stockholm 60; f. 1810; 149,000 vols., 124,000 theses, 855 MSS.; Chief Librarian Dr. E. J. KNUDTZON; publs. quarterly book list, list of current periodicals.

Kungl. Krigsarkivet (*Royal Swedish Military Record Office*): f. 1805; documents and maps from military authorities and regiments; Chief Keeper Dr. BERTIL BROOMÉ.

Kungl. Musikaliska Akademiens Bibliotek: Nybrokajen 11, P.B. 16265, Stockholm 16; f. 1771; about 39,000 books on music, 600,000 scores of music, 22,500 MSS. and about 23,000 letters; the library is especially rich in 18th century music; Chief Librarian G. MORIN.

Kungl. Tekniska Högskolans Bibliotek (*Royal Institute of Technology Library*): Valhallavägen 79, Stockholm 70; f. 1826; 150,000 vols.; Chief Librarian BJÖRN V. TELL; publs. monthly book lists.

Kungl. Svenska Vetenskapsakademiens Bibliotek (*Library of the Royal Swedish Academy of Science*): Stockholm 50; f. 1739; 250,000 vols., 400,000 pamphlets, chiefly devoted to natural sciences, 4,000 MSS., including the valuable Bergius and Swedenborg collections; open to the public; Chief Librarian Dr. WILHELM ODELBERG.

Kungl. Utrikesdepartementets Arkiv och Bibliotek (*Archives and Library of The Royal Swedish Ministry for Foreign Affairs*): Gustav Adolfs torg 1, Stockholm 16; the archives contain documents relating to Swedish foreign affairs from 1900; the library contains works on modern history and politics, law, international law, economy and statistics; not open to the public; Head of Division ÅKE KROMNOV; First Archivist Dr. WILHELM CARLGREN; First Librarian IVAR BESKOW.

Kungl. Vitterhets Historie och Antikvitets Akademien Bibliotek och Arkiv (*Library and Archives of the Royal Academy of Letters, History and Antiquities*): Storgatan 41, Stockholm; f. 1786; 130,000 vols., 3,060 MSS., 20,000 maps and drawings, 360,000 photographs, 20,000 slides; special collection of antiquarian-topographical material; open to the public; Librarian S. RINMAN; Archivist Dr. S. STENSTROM.

Riksdagsbiblioteket (*Parliamentary Library*): Stockholm; f. 1851; central administrative library intended to serve the Riksdag and the administrative services; 250,000 vols.; chiefly devoted to law, political science, administration and social science; Chief Librarian LARS FRYKHOLM; Librarian BROR-GÖSTA CEDERSTRÖM; publs. *Årsberättelse* (Annual Report), *Förteckning över nyförvärv* (Annual list of acquisitions), *Årsbibliografi över Sveriges offentliga publikationer* (Annual bibliography of the official publications of Sweden), *Riksdagsregister* (Annual Index of parliamentary papers).

Skogsbiblioteket (*Library of Royal School of Forestry*): Stockholm 51; f. 1918; 95,000 vols.; Librarian Miss INGRID MATÉRN; publ. *Meddelanden från Skogsbiblioteket* (Reports of the Forestry Library) printed in *Svenska skogsvårdsföreningens tidskrift*.

Stadsarkivet i Stockholm (*Stockholm City Archives*): f. 1930; City Archivist Dr. NILS STAF.

Statens Psykologisk-Pedagogiska Bibliotek (*State Library of Psychology and Education*): Hagagatan 23 A, Stockholm; 125,000 vols.; Librarian ELIN EKMAN.

Statistiska Centralbyråns Bibliotek och Arkiv (*Library and Archives of the Central Bureau of Statistics*): Fack, Stockholm 27; f. 1858; library 108,000 vols.; archives, 4,000 metres; statistics, specially official statistics and international statistical surveys; Dir. of Documentation Unit MARGIT VINGE; Librarian S. SÖDERMAN.

Sveriges Radio, Dokumentarkivet (*Archives of the Swedish Broadcasting Corporation*): Box 955, Stockholm; f. 1963; documents relating to Swedish broadcasting and television; Archivist JON PETER WIESELGREN.

University of Stockholm Libraries:

- **Humanistiska Biblioteket:** f. 1922; 178,000 vols., 25,000 pamphlets; Librarian N. MOLIN, Odengatan 59, Stockholm 6.
- **Juridiska Biblioteket:** f. 1907; 55,000 vols., 10,500 pamphlets; Librarian Miss G. BODMAN, Norrtullsgatan 2, Stockholm Va.
- **Matematisk-naturvetenskapliga Biblioteket:** f. 1943; 16,000 vols.; Librarian A. KÅRE, Kungstensgatan 45, Stockholm Va.

Utrikesdepartementet (*Library of The Royal Swedish Ministry of Foreign Affairs*): Gustav Adolfs torg 1, Stockholm; works on modern history and politics, law, international law, economy and statistics; not open to the public; First Archivist IVAR BESKOW.

Gothenburg

Chalmers Tekniska Högskolas Bibliotek (*Chalmers University of Technology Library*): Storgatan 43, Göteborg; f. 1829; 150,000 vols. in library; Chief Librarian ERIK HEMLIN.

Göteborgs Universitetsbibliotek (*Gothenburg University Library*): General Section, Göteborg 5; Medical Section, Medicinaregatan 4, Göteborg SV; f. 1861; 800,000 vols. 350,000 pamphlets; Chief Librarian G. OTTERVIK; publs. *Acta Bibliothecae Gothoburgensis*.

Lund

University Library of Lund: f. 1671; 900,000 vols.; brochures, maps, etc.; Chief Librarian KRISTER A. GIEROW; publs. include *Lunds Universitets Årsskrift*.

Nykpöing

AB Atomenergis Bibliotek (*Library of the Atomic Energy Co.*): Studsvik, Nyköping; f. 1947; 80,000 vols.; Librarian J. CLAESSON; Chief Manager B. TELL; publ. *AE-Reports*, *Atomdokumentation*.

Umeå

University Library of Umeå: f. 1963; 50,000 vols.; Chief Librarian P. SJÖGREN.

Uppsala

Lantbrukshögskolan Bibliotek et i Uppsala (*Agricultural College of Sweden, Uppsala Library*): Uppsala 7; f. 1932; 135,000 vols. in library; Librarian L. E. SANNER.

University Library of Uppsala: f. 1620; over 1,200,000 vols. (including more than 2,300 incunabula); 27,000 MSS., including the famous *Codex argenteus*, the "Silver Bible" of the 6th century, a translation of the Gospels into the Gothic language, Swedish and Icelandic medieval MSS., the *Bibliotheca Walleriana* (medical books), a collection of old music books, etc.; Librarian T. KLEBERG; publs. include *Uppsala Universitets Årsskrift*, *Acta Bibliothecae R. Universitatis Upsaliensis*, *Bibliotheca Ekmaniana*, *Årsberättelse* (Annual Report), etc.

MUSEUMS AND ART GALLERIES

Nationalmuseum: Stockholm 16; f. 1792; 8,000 paintings and miniatures, 4,145 sculptures, inc. antiquities, 180,900 drawings and prints, 25,000 numbers of arts and crafts; library with 100,000 vols.; administers also collections of several royal castles with 5,450 works of art; Supt. C. NORDENFALK; Heads of Depts.: Paintings and Sculptures B. WENNBERG; Print Room (also with the drawings) G. JUNGMARKER; Arts and Crafts C. HERNMARCK; Lending Dept. Mrs. G. SERNER-PETRÉN; Education B. DAHLBACK; Royal Castles Collection B. VON MALMBORG; Librarian Miss G. OSTERMAN; publs. *Annual Report*, monographs and catalogues.

Moderna Museet (*Dept. for Contemporary Art*): Stockholm 100; f. 1958; Dir. K. G. HULTÉN.

Statens Etnografiska Museum: Stockholm NO; f. 1874; foreign ethnography; collection Sparrman (Cook's 1st and 2nd exped. South Seas); Thunberg (Japan, 1775-76), Fouché d'Otrante (Prairie Indians, 1842), A. E. Nordenskiöld ("Vega" circumnavigation of Asia, 1880-82), Sven Hedin; Dir. Prof. S. LINNÉ; publs. *Ethnos* (illustrated journal), books and monographs.

Nordiska Museet: Stockholm, NO; f. 1873; ethnological and industrial art collections; about 1,000,000 exhibits; Dir. HANS HANSSON, PH.D.; Keeper of Cultural History and Architecture ERIK ANDRÉN, PH.D., Keeper of Trade, Industry and Crafts ALBERT ESKEROD, PH.D., Keeper of Textiles ANNA-MAJA NYLÉN, PH.D.; Keeper of Cultural Field Research MARSHALL LAGERQUIST, PH.D.; Librarian SAM OWEN JANSSON; publs. *Acta Lapponica*, *Fataburen* (year book), *Nordiska museets handlingar*, *Svenskt liv och arbete*, books on industrial art and architecture, ethnology and folklore.

Skansen: Stockholm NO (open-air dept. of Nordiska Museet); f. 1891; ancient buildings, zoological garden; Dir. Prof. GÖSTA BERG, PH.D.; Keeper of Buildings ARNE BIÖRNSTAD, PH.L.; Keeper of Natural History KAI CURRY-LINDAHL; publs. *Acta Vertebratica*, daily programmes, guides, yearbook, etc.

Statens Historiska Museum: Storgatan 41, Stockholm; f. 1630, refounded 1847; collections of prehistoric and medieval antiquities, Swedish and foreign coins and medals; Dir.-Gen. GÖSTA SELLING; publ. *Statens Historiska Museum och Kungl. Myntkabinettet, Samlingarnas tillväxt*; the museum also publishes illustrated surveys of special groups of objects belonging to the museum and catalogues of temporary exhibitions.

Kungl. Livrustkammaren (*The Royal Armoury*): Stockholm NO; f. during reign of Gustavus Vasa (1523-1560); arms, costumes, coaches, etc., of Swedish royal personages; Dir. Dr. BRYNOLF HELLNER; Curators Dr. SVANTE SVÄRDSTRÖM, Miss GUDRUN EKSTRAND; Librarian Mrs. AINA RUNNBECK; publ. *Livrustkammaren* (Journal of the Royal Armoury).

Naturhistoriska Riksmuseet (*Swedish Museum of Natural History*): Stockholm 50; f. 1819; Heads of Depts.: Vertebrate, Prof. J. A. G. JOHNELS; Entomology, Prof. L. Z. BRUNDIN; Invertebrate, Prof. K. G. H. LANG; Palæozoology, Prof. A. E. V. JARVIK; Botany, Prof. N. T. NORLINDH; Palæobotany, Prof. O. H. SELLING; Mineralogy, Prof. F. E. WICKMAN; the Royal Academy of Science acts as Board of Directors; primarily a scientific institution, but also has exhibitions for the public; publs. *Annual Report* and scientific papers.

Göteborgs Kontsmuseum (*Gothenburg Art Gallery*): Götaplatsen, Göteborg S.; f. 1861; European paintings, sculpture, prints and drawings from 1500, special collections of Scandinavian art and post-impressionist French painting; art library of 7,000 vols.; Dir. ALFRED WESTHOLM, PH.D.; publs. *Artstryck* (annual reports), catalogues.

Göteborgs Museum (*Gothenburg Museum*): N. Hamngatan 12, Göteborg; f. 1861; Chair. Gov. Dr. PER NYSTRÖM-Dir. Historical Museum, Dr. ALLAN T. NILSON; Ethnographical Museum, Prof. Dr. KARL GUSTAF IZIKOWITZ; Archæological Museum, Prof. Dr. CARL-AXEL MOBERG; Museum of Natural History, Dr. BENGT HUDENDICK; Museum of Fine Arts, Dr. ALFRED WESTHOLM; Fortress "Kronan" (Military Museum attached to Historical Museum), Capt. H. WARFRINGE; publ. *Årstryck* (annual).

Kulturhistoriska Museet (*Cultural History Museum*): Lund; f. 1882; ethnography, cultural history; 350,000 exhibits (ceramics, textiles, archæological finds from medieval Lund); Ostarp, old farm with inn, 30 km. from Lund; Dir. Dr. BENGT BENGTSSON; publ. *Kulturen* (since 1935, yearbook).

Kungl. Armémuseum (*Royal Army Museum*): Riddargatan 13, Stockholm 7; f. 1879; about 37,000 exhibits, 15th-20th century; library with 15,000 vols.; open daily; Dir. Dr. H. SEITZ; Curators ERIK BELLANDER, ARNE DANIELSSON, CURT BELFRAGE; Librarian Miss KARIN HERMANSSON; publs. *Meddelanden från Armémuseum* (from 1938), *Kungl. Armémuseums Handbocker* (Handbooks, 1953, 1955).

Musikhistoriska Museet: Stockholm; f. 1899, rebuilt 1962; over 2,000 exhibits incl. Benjamin Franklin's glass harmonica.

Ösasiatiska Museet (*Museum of Far Eastern Antiquities*): Skeppsholmen, Stockholm 100; f. 1959; art section containing mainly Chinese and Japanese paintings, sculptures and ceramics; archæological section containing pottery and bronze objects; Dir. B. GYLLENSVÄRD; Curator Dr. JAN WIRGIN; publ. *Bulletin of the Museum of Far Eastern Antiquities.*

Sjöfartsmuseet (*The Maritime Museum and Aquarium*): Göteborg V; f. 1913 by the Nautical Society of Gothenburg; illustrates Swedish maritime history, as exemplified by the work of the Royal Navy, Merchant Navy, Fishing Fleets and yachtsmen; the collection includes models, marine paintings, portraits, drawings, maps and a library of books and prints; Dir. Capt. STIG NOTINI, R.SW.N.R.; publ. *Unda Maris* (year book).

Statena sjöhistoriska museum (*National Maritime Museum*): Stockholm NO; f. 1938; the oldest part of the Royal Naval Section originates from the Royal Chambers in 1752; collections give a view of Swedish naval and merchant history, vessels of the past and of today; Dir. PER LUNDSTRÖM; publ. *Sjöhistorisk årsbok.*

Wasavarvet (*Warship Wasa Museum*): f. 1962; the oldest fully preserved ship in the world; lost 1628, raised 1961.

Stockholms Stadsmuseum (*City Museum*): Götgatan 1, Stockholm; f. 1942; approx. 20,000 exhibits (including the "Lohe treasure", the Bellman Dept., paintings of Josabeth Sjöberg and an armed 15th-century vessel); approx. 500,000 photographic negatives, 30,000 drawings, sketches and engravings; Dir. BO LAGERCRANTZ; Dir. Building Dept. HANS BESKOW; Dir. Archæological Dept. HENRIK AHNLUND; Dir. Museums Dept. (Vacant); Dir. Instruction Dept. OLOF BYSTRÖM; publs. *Annual Report*, guides in Swedish and English, catalogues.

Tekniska Museet (*Technical Museum*): Museivägen 7, Stockholm; f. 1924; 30,000 old machines, models, tools, etc.; open daily; Dir. SIGVARD STRANDH; publ. *Daedalus* (year book).

UNIVERSITIES

UNIVERSITETSKANSLERSÄMBETET
(Office of the Chancellor of the Universities of Sweden)

SVEAVÄGEN 166, BOX 23133, STOCKHOLM 23

Chancellor of the Universities: N. G. Rosén.
Board: L. Brising, J. Garpe, C. H. Nordlander, H. Olsen, B. Olsson, J. Wallander, U. Willers, R. Woxén.
Heads of Divisions:
Administration: B. E. Fogelberg.
Education: H. Berg.
Planning: H. Poppius.
Rationalisation: (Vacant).
Secretaries of Faculty Planning Boards:
Theology, Arts: H. Häggqvist.
Technology: G. Hagbergh.
Medicine, Odontology, Pharmacy: G. Wennström.
Mathematics, Science: U. Åhgren-Lange.
Law, Social Science: (Vacant).
Information Officer: B. Hultin.

GÖTEBORGS UNIVERSITET
(Gothenburg University)

VASAPARKEN, GÖTEBORG C.

Telephone: 031 810400.

Founded 1891.

Rector: H. Frisk.
Vice-Rector: Bo E. Ingelmark.
Secretary: S. Ströberg.

Library: *see* Libraries.
Number of teachers: 600, including 87 professors.
Number of students: 6,200.

Deans:

Faculty of Arts: B. Lewin.
Historical-Philosophical Section: L. Breitholtz.
Language Section: B. Lewin.
Faculty of Social Science: A. Attman.
Faculty of Science: T. Ganelius.
Faculty of Medicine: S. Ranström.

Professors:

Faculty of Arts:
Historical-Philosophical Section:
Breitholtz, L., History of Literature and Poetics
Hamberg, P. G., History of Art
Holmberg, Å., Modern History
Izikowitz, K. G., Ethnography
Lönnroth, E., History
Moberg, C.-A. A. Northern and Comparative Archæology
Segelberg, I., Philosophy
Törnebohm, H., Theory of Science
Åkerström, Å., Classical Archæology

Language Section:
Dahlberg, T., German Language
Düring, I., Greek
Ellegård, A., English Language and Literature
Frisk, H., Comparative Philology and Sanskrit
Jacobsson, G., Slavonic Languages
Johannisson, T., Northern Languages
Lewin, B., Semitic Languages
Nilsson-Ehle, H., Romance Languages
Wistrand, E., Latin

Faculty of Social Science:
Attman, A., Economic History
Dahlström, E., Sociology
Elmgren, J., Psychology
Godlund, S., Cultural and Economic Geography
Hyrenius, H., Statistics
Härnqvist, K., Pedagogy
Kragh, B., Political Economy
Westerståhl, J., Political Science

Faculty of Science:
Aniansson, G., Physical Chemistry
Dyrssen, D., Analytical Chemistry
Eriksson, K.-E., Theoretical Physics
Fänge, R., Zoophysiology
Ganelius, T., Mathematics
Hanner, O., Mathematics
Harling, G., Systematic Botany
Jerlov, N., Physical Oceanography
Kullenberg, B., Oceanography
Levring, T., Marine Botany
Lundgren, G., Inorganic Chemistry
Malmström, B., Biochemistry
Melander, L., Organic Chemistry
Rudberg, S., Natural Geography
Virgin, H., Plant Physiology
(Vacant—Zoology)

Faculty of Medicine:
Benner, S., Medical Radiophysics
Birath, G., Phthisiology
Brattgård, S.-O., Histology
Brånemark, P.-I., Anatomy
Brody, S., Obstetrics and Gynæcology
Broman, T., Neurology
Carlsson, A., Pharmacology
Carlsten, A., Clinical Physiology
Clemedson, C. J., Hygiene
Ekholm, R., Anatomy
Folkow, B., Physiology
Forssman, H., Psychiatry
Gelin, L.-E., Surgery
Herberts, G., Oto-Rhino-Laryngology
Hirsch, C., Orthopædics
Hydén, H., Histology
Inglemark, B. E., Anatomy
Jungner, G., Clinical Chemistry
Karlsberg, P., Pædiatrics
Kjellberg, S. R., X-ray Diagnostics
Lagerkvist, U., Medical Chemistry
Landgren, S., Physiology
Lindberg, B., Psychiatry
Lindegard, B., Social Medicine
Lundberg, A., Physiology
Lundholm, L., Pharmacology
Mellander, O., Medical Chemistry
Mellgren, J., Pathology
Moberg, E. A., Extremity Surgery
Norlén, G., Neurosurgery
Ouchterlony, Ö., Bacteriology
Ranström, S., Pathology
Romanus, R., Surgery
Rosengren, B., Ophthalmology
Seeberg, G., Dermatology and Venereal Diseases
Sourander, P., Pathology
Stenhagen, E., Medical Biochemistry
Stenhagen, S., Medical Chemistry
Strandqvist, M., Radio-Therapeutics
Vahlne, G., Clinical Bacteriology
Wassén, E., Medicine
Werkö, L., Medicine
Zettergren, L., Pathology
(Vacant—Hygiene, Histology)

LUNDS UNIVERSITET
(University of Lund)

LUND 1

Telephone: Lund 24100.

Founded 1666.

Rector: P. Sandblom.
Vice-Rector: P. Nilsson-Stjernquist.
Head of Administration: S. Hammar.

Library: *see* Libraries.
Number of teachers: 646, including 117 professors.
Number of students: 10,700.

Deans:

Faculty of Theology: Prof. G. Wingren.
Faculty of Law: Prof. F. Lejman.
Faculty of Medicine: Prof. G. Lindgren.
Faculty of Humanities:
Prof. B. Malmberg (Philologic Section).
Prof. K. Hanell (Historic-Philosophic Section).
Faculty of Political and Social Sciences: Prof. N. Våsthagen.
Faculty of Mathematics and Natural Sciences:
Prof. Å. Pleijel (Mathematics and Physics Section).
Prof. I. Leden (Chemical Section).
Prof. E. Dahl (Biological-Geographical Section).
Faculty of Odontology: Prof. G. Nyquist.

Professors:

Faculty of Theology:
Ehnmark, E., History and Psychology of Religion
Gerleman, G., Old Testament Exegesis
Kjöllerström, S., Practical Theology and Ecclesiastical Law
Lyttkens, H., Philosophy of Religion
Normann, C. E., Ecclesiastical History
Persson, P. E., Systematic Theology
Wingren, G., Systematic Theology

Faculty of Law:
Bolding, P. O., Judicial Procedure
Hafström, G., History of Law
Lejman, F., Civil Law
Lögdberg, Å., Civil and International Civil Law
Nelson, A., Criminal Law
Strömberg, H., Administration and Public Law
Strömberg, T., Philosophy of Law
Welinder, C., Finance Law, Taxation Law

Faculty of Medicine:
Ahlström, C. G., Pathological Anatomy and Legal Medicine
Alwall, N., Practical Medicine, especially Nephrology
Borgström, B., Medical and Physiological Chemistry
Emmelin, N., Physiology
Essen-Möller, E., Psychiatry
Glimstedt, G., Histology
Grubb, R., Bacteriology
Hagerman, G., Dermatology and Venereal Diseases
Hjortsjö, C.-H., Anatomy
Holmberg, C. G., Clinical Chemistry

Kahlson, G., Physiology
Koch, H., Oto-Rhino-Laryngology
Kullander, S., Obstetrics and Gynæcology
Liden, K., Medical Radiophysics
Lindgren, G., Social Medicine
Lindgren, M., Radiotherapy
Lindqvist, C., Pædiatrics
Linell, Folke, General Pathology
Lundberg, N., Neurosurgery
Müller, R., Neurology
Nyman, E., Psychiatry
Olsson, O., X-ray Diagnostics
Palm, E., Ophthalmology
Ronge, H., Hygiene
Sandblom, P., Surgery
Sjövall, A., Obstetrics and Gynæcology
Söderström, N., Practical Medicine
Thesleff, S., Pharmacology
Waldenström, J., Clinical Medicine
Welín, S., X-ray Diagnostics
Wiberg, G., Orthopædics
Winblad, S., Clinical Bacteriology
Wulff, H., Surgery

Faculty of Humanities:
Ahldén, T., German Language
Arbman, H., Prehistory and Medieval Archæology
Arngart, O., English Language
Axelson, B., Italian Language and Literature
Björck, S., History of Literature
Falk, K.-O., Slavonic Languages
Fehrman, C., History of Literature
Gjerstad, E., Classical Archæology and Ancient History
Halldén, S., Theoretical Philosophy
Hanell, Krister, Classical Archæology and Anceint History
Holm, G., Scandinavian Philology
Holmer, N., Comparative Philology
Ljunggren, K. G., Swedish Languages
Lombard, A., Romance Languages
Malmberg, B., Phonetics
Moritz, M., Practical Philosophy
Reutersvärd, O., Art and Art Theory
Rosén, J., History
Schaar, C., English Language
Svensson, S., Folklore
(Vacant—Greek Language, History)

Faculty of Political and Social Sciences:
Arvidsson, G., Political Economy
Bjurling, O., Economic History
Carlsson, G., Sociology
Edlund, S., Pedagogics
Henell, O., Business Economics
Hägerstrand, T., Geography
Kant, E., Economic Geography
Kihlstedt, C., Business Economics
Quensel, C.-E., Statistics
Smith, G., Psychology
Stjernquist, N. N., Political Science
Vahlén, L., Commercial Law
Västhagen, N., Business Economics
(Vacant—Economic Geography)

Faculty of Mathematics and Natural Sciences:
Agrell, I., Zoophysiology
Bergsten, K. E., Geography
Brinck, P., Zoology
Burström, H., Botany
Dahl, E., Zoology
Edlén, B., Physics
Ehrensvärd, G., Biochemistry
Friesen, S. von, Physics
Fronæus, S., Chemistry
Gårding, L., Mathematics
Gustafson, T., Mechanics and Mathematical Physics
Hjelmquist, S., Geology and Mineralogy
Källén, G., Theoretical Physics
Larsson, E., Chemistry
Leden, I., Chemistry
Levan, A., Cytology
Lindroth, C., Entomology
Müntzing, A., Heredity
Pleijel, Å., Mathematics,
Regnéll, G., Geology
Schalén, C., Astronomy
Thunmark, S. G., Limnology
Weimarck, H., Botany

Faculty of Odontology:
Björn, H., Oral Surgery
Gustafson, G., Dental Histopathology
Nyquist, G., Prosthetics
Omnell, K.-A., Dental X-ray Diagnosis
Seipel, C. M., Orthodontics
Sellman, S., Cariology
Syrrist, A., Pædodontics

STOCKHOLMS UNIVERSITET
(University of Stockholm)

DROTTNINGGATAN 116, STOCKHOLM

Telephone: 34 08 60.

Founded 1877 as College, became University 1960.

Rector: Prof. H. Nial.
Vice-Rector: Prof. I. Svennilson.
Secretary: A. Hellstrand.

Library: *see* Libraries.
Number of teachers: 715, including 75 professors.
Number of students: 12,600.

Deans:

Faculty of Law: Prof. O. Westerberg.
Faculty of Humanities: Prof. Ö. Lindberger.
History-Philosophy Section: Prof. Ö. Lindberger.
Language Section: O. Brattö.
Faculty of Social Sciences: Prof. G. Boalt.
Faculty of Natural Sciences: Prof. O. Frostman.
Mathematics-Physics Section: Prof. O. Frostman.
Chemistry Section: Prof. A. Magnéli.
Biology-Geography Section: Prof. G. Hoppe.

Professors:

Faculty of Law:
Agge, I., General Jurisprudence
Eek, Hilding, International Law
Hellner, J., Insurance Law
Hellner, Å., Financial Law, Finance
Ljungman, S., Civil Law
Nial, H., Civil Law and Private International Law
Schmidt, F., Civil Law
Svennilson, I., Political Economy with Finance
Thornstedt, H., Criminal Law
Wallén, P.-E., Legal History
Welamson, L., Procedure
Westerberg, O., Public Law
(Vacant—General Criminology)

Faculty of Humanities:
History-Philosophy Section:
Arwidsson, Greta, Scandinavian and Comparative Archæology
Bergman, G., Theatre History
Granlund, J., Scandinavian and Comparative Ethnology
Hultkrantz, Å., History of Religions
Jansson, S., Runology
Karling, S., Art History and Art Theory
Lindberg, F., History
Lindberger, Ö., Literary History with Poetics
Linné, S., General and Comparative Ethnography
Ofstad, H., Moral Philosophy
Palme, S. U., History
Säflund, G., Classical Archæology and Ancient History
Tigerstedt, E. N., General and Comparative Literature
Tuulse, A., Scandinavian and Comparative Art History
Wedberg, A., Theoretical Philosophy
Westin, G., History

Language Section:
Arumaa, P., Slavonic Languages
Brattö, O., Romance Languages
Korlén, G., German Language
Lindblad, G., Scandinavian Languages
Löfvenberg, M., English Language
Maler, B., Romance Languages, with emphasis on the Ibero-Romance Languages
Malmquist, G., Sinology, with emphasis on the modern Chinese Language
Norberg, D., Latin Language and Literature
Rynell, A., English Language
Ståhle, C. I., Scandinavian Languages with emphasis on the Swedish Language
(Vacant—Finnish Language and Culture)

Faculty of Social Sciences:
Boalt, G., Sociology
Ekman, G., Psychology
Hannerberg, D., Cultural and Economic Geography
Heckscher, G., Political Science
Husén, T., Pedagogics
Johansson, A., Political Economy with emphasis on Housing Market Research
Malmquist, S., Statistics
Myrdal, G., International Economics
Söderlund, E., Economic History
Trankell, A., Pedagogics
Östlind, A., Political Economy and Social Politics
(Vacant—Business Economics and Political Economy)

Faculty of Natural Sciences:
Mathematics-Physics Section:
Bolin, B., Meteorology
Ekspong, G., Physics
Fischer-Hjalmars, I., Theoretical Physics
Frostman, O., Mathematics
Grenander, U., Actuarial Science
Lagerqvuist, A., Physics
(Vacant—Mathematics and Astronomy)

Chemistry Section:
Magnéli, A., Inorganic Chemistry
Myrbäck, K., Biochemistry
Ölander, A., Physical Chemistry
(Vacant—Organic Chemistry)

Biology-Geography Section:
Brundin, L., Entomology
Ehrenberg, L., Radiation Biology
Fagerlind, F., Morphological Botany
Gavelin, S., Mineralogy and Petrography
Hemberg, T., Physiological Botany
Hessland, I., General and Historical Geology
Hoppe, G., Physical Geography
Lindberg, O., Experimental Zoology and Cytology
Lüning, K. G., Genetics
Silén, L., Zoology

Stockholm University Institute for English-Speaking Students.
Dean: Dr. N. Andrén.

The International Graduate School.
Dean: Dr. N. Andrén.

The Stockholm Junior Year.
Dean: Fil. mag. B. Svensson.

KUNGLIGA UNIVERSITETET I UMEÅ
(Royal University of Umeå)
UMEÅ

Telephone: 090/25680.

Founded 1963.

Rector: Prof. L.-G. Larsson, M.D.
Vice-Rector: Prof. E. G. S. L. Lysell, ODONT.D.
Secretary: L. O. Mårdell, LL.B.
Chief Librarian: P. Sjögren, PH.D.

Library: *see* Libraries.
Number of teachers: 111 including, 28 professors.
Number of students: 1,050.

DEANS:

Faculty of Medicine: Prof. P. Lundström.
Faculty of Odontology: Prof. L. Lysell.
Faculty of Philosophy: Prof. G. Kulldorff.

PROFESSORS:

Faculty of Medicine:
Borgström, S. J. H., Surgery
Cedergren, E. L. C., Anatomy
Diamant, H., Oto-Rhino-Laryngology
Edström, J.-E., Histology
Fajers, C.-M., Pathology
Falkmer, S. E., Pathology
Hollström, E., Dermato-Venereology
Hollunger, G., Pharmacology
Huggert, A., Ophthalmology
Hult, L., Orthopædics
Larsson, L.-G., Radiotherapy
Linderholm, H., Clinical Physiology
Lundström, P., Obstetrics and Gynæcology
Ottosson, J.-O., Psychiatry
Paul, K.-G., Medical Chemistry
Saltzman, G.-F., X-ray Diagnosis
Sjölin, S., Pædiatrics
Törnblom, N., Medicine
Welander, L., Neurology

Faculty of Odontology:
Arwill, T., Histopathology
Axelsson, B., Technology
Grahnén, H., Pedodontics
Lysell, L., Orthodontics
Strålfors, A., Cariology
Sörenmark, R., Prosthetics
Thilander, H., Oral Surgery

Faculty of Social Science:
Hegeland, H., National Economy
Kulldorff, G., Statistics

UNIVERSITET I UPPSALA
(University of Uppsala)
UPPSALA

Telephone: 018/49120.

Founded 1477.

Chancellor: N. G. Rosén.
Rector: Prof. T. Segerstedt, PH.D.
Vice-Rector: Prof. J. A. Nannfeldt, PH.D.
University Counsellor: G. Wijkman.
Treasurer: J. H. Löfberg.
Secretary: S. H. T. Kihlgren, LL.B.
Chief Librarian: J. V. B. Tönnes Kleberg, PH.D.

Library: *see* Libraries.
Number of teachers: 410, including 143 professors.
Number of students: 8,550 men, 6,188 women, total 14,738.

DEANS:

Faculty of Theology: Prof. G. Widengren.
Faculty of Law: Prof. Å. Malmström.
Faculty of Medicine: Prof. N. Thyresson.
Faculty of Arts: Prof. V. Jansson.
Historical-Philosophical Division: Prof. S. Lindroth.
Linguistic Division: Prof. V. Jansson.
Faculty of Social Science: Prof. K.-G. Hildebrand.
Faculty of Science: Prof. S. Claesson.
Mathematical-Physical Division: Prof. G. Liljequist.
Chemical Division: Prof. S. Claesson.
Biological-Geographical Division: Prof. H. Sjörs.

PROFESSORS:

Faculty of Theology:
Andrén, Å., Practical Theology
Göransson, S. L. M. G., Church History
Gyllenkrok, F. C. A., Dogmatic and Moral Theology
Olsson, O. H., Ethics and Philosophy of Religion
Riesenfeld, E. H., Exegesis
Ringgren, H., Exegesis
Sundkler, B. G. M., Church History
Widengren, G., History of Religions, Psychology of Religion

Faculty of Law:
Anners, E. G. E., History of Law
Bergström, S. B., Civil Law
Ekelöf, P. O., Judicial Procedure
Hessler, S. H., Civil Law
Hjerner, L. A. E., Administrative Law
Jägerskiöld, S. A. F., Public and Folk Law
Malmström, P. F. Å., Civil and International Private Law
Mutén, L. I., Financial Law
Nelson, A., Criminal Law
Palander, T. F., National Economy and Business Economics

Faculty of Medicine:
Annell, Anna-Lisa, Child Psychiatry
Agren, K. G., Medical and Physiological Chemistry
Ask-Upmark, K. E. F., Practice of Medicine
Bahr, G. O. A. von, Ophthalmology
Bárány, E. H., Pharmacology
Berfenstam, R. A. G., Social Medicine
Björk, V. O., Thoracic Surgery
Bohm, E., Neurosurgery
Böök, J.-A., Medical Genetics
Ekbom, K.-A., Neurology
Engfeldt, B. O., Pathology
Fichtelius, K. E., Histology
Frey, T. S., Psychiatry
Gemzell, C. A. H., Obstetrics and Gynæcology
Grönwall, A. J. T., Clinical Chemistry
Hiertonn, T. E. J., Orthopædics
Holmdahl, M., Anæsthesiology
Hultquist, G. T., Pathology
Knutsson, K. F., X-ray Diagnosis
Laurell, G., Clinical Bacteriology
Löfström, G., Bacteriology
Nohrman, B. A., Radiotherapy
Rexed, B. A., Anatomy
Sjöberg, A. A., Oto-Rhino-Laryngology
Skoog, T. G., Plastic Surgery
Ström, G. O. F., Clinical Physiology
Teorell, E. T. A., Physiology
Thorén, L., Surgery
Thyresson, N., Dermato-Venereology
Vahlquist, B. C., Pædiatrics
Wesslén, T. B., Virology
Ågren, G., Medico-Physiological Chemistry
(Vacant—Psychiatry)

Faculty of Arts:
I. Historical-Philosophical Division
Almgren, B., Scandinavian and Comparative Archæology
Bengtsson, L. I., Musicology
Brandell, L. G., Literary History
Carlsson, S. C. O., History
Edsman, C. M., History of Religions
Furumark, J. A. G., Classical Archæology and Ancient History
Hedenius, P. A. I., Philosophy
Lagercrantz, R. S., General and Comparative Ethnography
Lindroth, S. H., History of Ideas
Marc-Wogau, K., Philosophy
Nilsson, S. A., History
Säve-Söderbergh, T., Egyptology
Tideström, L. G. G., Literary History
Zeitler, R. W., Art History and Theory
(Vacant—Scandinavian and Comparative Archæology)

II. Linguistic Division
Donner, H. W., English Language and Literature
Gunnarsson, G. O. I., Slavonic Languages
Hammarström, G., Phonetics
Hasselrot, C. G. B. B., Romance Languages
Hermodsson L. F. H., German Language
Jansson, E. V., Scandinavian Languages
Lundström, S. G., Latin Language and Literature
Moberg, L. A., Scandinavian Languages
Palm, J. W. J., Greek Language and Literature
Rundgren, G. F., Semitic Languages
Ståhl, H. A. M., Scandinavian Languages
Strömback, D. A., Folklore
Söderlind, J., English Language
Wickman, Bo N. V., Finno-Ugric Languages
Wikander, O. S., Sanskrit and Comparative Indo-European Philology

Faculty of Social Sciences:
Carlsson, S. L., Business of Economics and Business Finance
Enequist, G. M., Cultural Geography
Hessler, C. A. G., Political Science
Hildebrand, K.-G. H., Economic History
Johansson, K. G. E., Psychology
Segerstedt, T., Sociology
Sjöstrand, B. H. W., Pedagogics
Wold, H. O. A., Statistics
(Vacant—National Economy)

Faculty of Science:
I. Mathematical-Physical Division:
Carleson, L. A. E., Mathematics
Domar, E. Y., Mathematics
Fröman, P. O., Theoretical Physics
Holmberg, E. B., Astronomy
Liljequist, G. H., Meteorology
Ohlin, P. J. M., Physics
Siegbahn, K. M. B., Physics
(Vacant—Experimental Electricity)

II. Chemical Division:
CLAESSON, S. M., Physical Chemistry
FREDGA, A., Organic Chemistry
HÄGG, G., Inorganic Chemistry
LÖWDIN, P.-O., Quantum Chemistry
NYDAHL, F., Analytical Chemistry
TISELIUS, A. W. K., Biochemistry

III. Biological-Geographical Division:
FRIES, N. T. E., Botany
HJULSTRÖM, H. F., Physical Geography
JÄGERSTEN, K. G. M., Zoology, Comparative Anatomy
LINDAHL, P. E. E. A., Zoophysiology
NANNFELDT, J. A. F., Botany
NYHOLM, K.-G., Zoology
RAMBERG, H., Geology
RODHE, C. O. W., Limnology
SJÖRS, H. M., Biology
THORSLUND, P. A., Geology

TECHNOLOGICAL UNIVERSITIES

CHALMERS TEKNISKA HÖGSKOLA
(Chalmers University of Technology)

SVEN HULTINS GATA,
GÖTEBORG S

Telephone: 81 01 00, 81 02 00.

Founded 1829.

Rector: Prof. L. RÖNNMARK.
Vice-Rector: Prof. N. GRALÉN.
Chief Administrative Officer: R. THUN.

Library: *see* Libraries.

Number of teachers: 197, including 65 professors.

Number of students: 3,188 men, 151 women, total 3,339.

Publication: *Transactions of the Chalmers University of Technology.*

DEANS:

School of Physics: Prof. B. HOLMBERG.
School of Mechanical Engineering: Prof. T. EEG-OLOFSSON.
School of Naval Architecture: Prof. O. FALKENDAL.
School of Electrical Engineering: Prof. C.-G. AURELL.
School of Civil Engineering: Prof. L. RAHM.
School of Chemical Engineering: Prof. E. ADLER.
School of Architecture: Prof. J. WALLINDER.

PROFESSORS:

School of Physics:
BERGSTRÖM, H., Mathematical Statistics
BROGREN, G., Physics
HOLMBERG, B., Mechanics
HULT, J., Strength of Materials
KREISS, H.-O., Numerical Analysis
LUNDQVIST, S., Mathematical Physics
MYERS, P., Solid State Physics
QVARNSTRÖM, B., Automatic Control
RYDE, N., Physics
SJÖSTRAND, N. G., Nuclear Physics
SVARTHOLM, N., Mathematical Physics
THOMÉE, V., Mathematics
(Vacant—Mathematics, Physics)

School of Mechanical Engineering:
EEG-OLOFSSON, T., Textile Mechanics
FISCHMEISTER, H., Constructional Materials, Metals and Alloys
FRÖSSLING, N., Applied Thermo- and Fluid Dynamics
JAKOBSSON, B., Machine Design
NILSSON, E., Turbomachines
NORDSTRÖM, L., Steam Engineering
SVAHN, O., Mechanical Technology
(Vacant—Constructional Material, Non-Metallic Materials, Industrial Organisation, Internal Combustion Engines, Transportation)

School of Naval Architectrue:
FALKEMO, C., Ship Hydromechanics
FALKENDAL, O., Marine Engineering
SVENNERUD., A Shipbuilding

School of Electrical Engineering:
AURELL, C.-G., Information Theory
BOLINDER, F., Circuit Theory
EKELÖF, S., Theoretical Electrical Engineering
KNUDSEN, N., Applied Electrical Engineering
OLVING, S., Electron Physics, Vacuum and Gas Electron Physics
RYDBECK, O., Electron Physics, Theoretical Electron Physics and Space Science
STEMME, E., Computer Technique
WALLMAN, H., Applied Electronics
WALLMARK, R., Electron Physics, Solid State Electron Physics
ZWEYGBERGK, S., Electrical Machinery
(Vacant—Electrical Measurement Technique)

School of Civil Engineering:
ASPLUND, S. O., Building Statics
BERGFELT, A., Structural Engineering, Steel and Wooden Constructions, Bridge Building
BESKOW, G., Geology and Mineralogy
ERIKSSON, R., Highway Engineering
HANSBO, S., Soil Mechanics and Foundation Engineering
LOSBERG, A., Structural Engineering, Concrete Constructions
RAHM, L., Hydraulic Engineering
RÖNNMARK, L., Building Economics and Management
WEIJMAN-HANE, G., Water Supply and Sewerage System Engineering
(Vacant—Building Acoustics, Building Technology)

School of Chemical Engineering:
ADLER, E., Organic Chemistry
BROSSET, C., Inorganic Chemistry
GRALÉN, N., Textile Chemistry
HEDSTRÖM, B., Chemical Engineering Equipment
ROSENBLAD, G., Heat and Power Technology
RYDBERG, J., Nuclear Chemistry
SAMUELSON, O., Engineering Chemistry
SCHJÅNBERG, E., Oil Chemistry
SVENSSON, H., Physical Chemistry

School of Architecture:
HOVING, G., House Building
KÄRRHOLM, G., Building Construction
LINDSTRÖM, S., Town Planning
WALLINDER, J., Architectural Design
ZIMDAL, H., Architecture
(Vacant—Architectural History and Theory, Humanities)

KUNGLIGA TEKNISKA HÖGSKOLAN
(Royal Institute of Technology)

STOCKHOLM 70

Telephone: 23 63 20.

Founded 1827.

President: Prof. L. STOCKMAN.
Vice-President: Prof. F. ODQVIST, FIL.D.
Chief Administrative Officer: H. BOLINDER, LL.B.

Library: *see* Libraries.

Number of teachers: 535, including 80 professors.

Number of students 1964/65: 4,310 men, 216 women, total 4,526.

Publication: *Kungl. Tekniska Högskolans Handlingar* (*Transactions of the Royal Institute of Technology*) (annual).

DEANS:

School of Physics: Prof. B. KJELLBERG, TEKN.L.
School of Mechanical Engineering: Prof. H. HALLENDORFF, TEKN.L.
School of Aeronautics and Naval Architecture: Prof. S. LUTHANDER.
School of Electrical Engineering: Prof. B. AGDUR, TEKN.D.
School of Civil Engineering: Prof. B. BJÖRKMAN.
School of Chemical Engineering: Prof. A. RASMUSSEN.
School of Mining and Metallurgy: Prof. M. HILLERT.
School of Architecture: Prof. P. CELSING.
School of Surveying: Prof. Y. GUSTAFSSON, AGR.D.

PROFESSORS:

School of Physics:
AGDUR, B., Microwave Engineering
ALFVÉN, H., Plasma Physics
ANDERSSON, B., Applied Hydromechanics
ÅSTROM, H., Solid State Physics
BERNDT, S., High Speed Aerodynamics
BJERHAMMAR, A., Geodesy
BOESTAD, G., Machine Element Design
BORG, G., Mathematics I
DAHLQUIST, G., Numerical Analysis
EKBERG, S., Communications Networks
ERIKSSON, A., Mechanics II
ESSEEN, C.-G. H., Mathematical Statistics
FORSSELL, H., Electrical Machinery
HALLÉN, E., Theoretical Electrical Engineering
VON HÁMOS, L., Automatic Control
HERLOFSON, N., Electron Physics
HILLERT, M., Metallography
HULTHÉN, L., Mathematical Physics I
INGLESTAM, E., Physics II
KJELLBERG, Bo, Mathematics II
LARSSON, K.-E., Reactor Physics
LINDHOLM, E., Physics I
NAGEL, B., Mathematical Physics II
ODQVIST, F., Strength of Materials, Applied Mechanics
WESTERMARK, T., Nuclear Chemtisry
(Vacant—Computing Sciences, Industrial Photography, Economics and Management)

School of Mechanical Engineering:
ANDERSSON, B., Applied Hydromechanics
BERNDT, S., High Speed Aerodynamics
BOESTAD, G., Machine Element Design
BORG, G., Mathematics
DAHLQUIST, G., Numerical Analysis

Esseen, C.-G. H., Mathematical Statistics
Hallendorff, H., Machine Tools
von Hámos, L., Automatic Control
Hillert, M., Metallography
Hulthén, L., Mathematical Physics
Ingelstam, E., Physics
Kjellberg, B., Mathematics
Larsson, K.-E., Reactor Physics
Norén, T., Welding Engineering
Odqvist, F., Strength of Materials and Applied Mechanics
Oledal, M., Hydraulic Engineering
Pierre, Bo, Applied Thermodynamics and Refrigeration
Rydberg, J., Heating and Ventilation
Steenberg, B., Paper Technology
Westermark, T., Nuclear Chemistry
Widell, T., Steam Engineering
(Vacant—Biochemistry, Industrial Economics and Management, Machine Design and Construction, Mechanical Technology, Mechanics, Photography)

School of Aeronautics and Naval Architecture:
Andersson, B., Applied Hydromechanics
Berndt, S., High Speed Aerodynamics
Björkman, B. E. T., Traffic and Transport Engineering
Boestad, G., Machine Element Design
Borg, G., Mathematics
Dahlquist, G., Numerical Analysis
Esseen, C.-G. H., Mathematical Statistics
von Hámos, L., Automatic Control
Hallendorff, H., Machine Tools
Hillert, M., Metallography
Hulthén, L., Mathematical Physics
Inglestam, E., Physics
Luthander, S., Aeronautics
Norén, T., Welding Engineering
Odqvist, F., Strength of Materials
Oledal, M., Hydraulic Engineering
Pierre, B., Applied Thermodynamics and Refrigeration
Rand, T., Airplane Structures
Rydberg, J., Heating and Ventilation
Steneroth, E., Naval Architecture
Widell, T., Steam Engineering
(Vacant—Industrial Economics and Management, Mechanical Technology, Mechanics, Machine Design and Construction)

School of Electrical Engineering:
Agdur, B., Microwave Engineering
Alfvén, H., Plasma Physics
Åström, H., Solid State Physics
Borg, G., Mathematics
Dahlquist, G., Numerical Analysis
Ekberg, S., Communication Networks
Eriksson, A., Mechanics
Esseen, C.-G. H., Mathematical Statistics
Forssell, H., Electrical Machinery
Hallén, E., Theoretical Electrical Engineering
von Hámos, L., Automatic Control
Hellgren, G., Applied Electronics
Herlofson, N., Electron Physics
Hulthen, L., Mathematical Physics
Larsson, K.-E., Reactor Physics
Lindholm, E., Physics
Nagel, B., Mathematical Physics
Norén, T., Welding Engineering
Odqvist, F., Strength of Materials and Applied Mechanics
Rusck, S., Applied Electrical Engineering
Westermark, T., Nuclear Chemistry
Zetterberg, L.-H., Telecommunication Theory
(Vacant—Industrial Economics and Management, Photography)

School of Civil Engineering:
Ahlberg, C. F., Town Planning
Bjerjhammar, A., Geodesy
Björkman, B., Traffic and Transport Engineering
Borg, G., Mathematics
Brosenius, H., Building Technology
Dahlquist, G., Numerical Analysis
Eriksson, A., Mechanics
Esseen, C.-G. H., Mathematical Statistics
Hallberg, S., Road Building
Hallert, B., Photogrammetry
Hulthén, L., Mathematical Physics
Inglestam, E., Physics
Kjellberg, B., Mathematics
Lindman, G., Town Planning
Norén, T., Welding Engineering
Nylander, H., Building Statics and Structural Engineering
Österberg, D., Building Economics and Organisation
Reinius, E., Hydraulics
Wästlund, G., Structural Engineering and Bridge Building
(Vacant—Photography)

School of Chemical Engineering:
Allander, C., Heating Engineering
Björling, G., Non-ferrous Metallurgy
Erdtman, H., Organic Chemistry
von Hámos, L., Automatic Control
Inglestam, E., Physics
Johansson, A., Analytical Chemistry
Kjellberg, B., Mathematics
Larsson, K.-E., Reactor Physics
Rånby, B., Polymer Technology
Rasmussen, A., Chemical Engineering Equipment
Sillén, L. G., Inorganic Chemistry
Steenberg, B., Paper Technology
Stelling, O., Chemical Technology
Stockman, L., Cellulose Technology
Westermark, T., Nuclear Chemistry
Wranglén, G., Applied Electro-Chemistry and Corrosion)
(Vacant—Biochemistry, Industrial Economics and Management, Physical Chemistry)

School of Mining and Metallurgy:
Åström, H., Solid State Physics
Bjerhammar, A., Geodesy
Björling, G., Non-ferrous Metallurgy
Boestad, G., Machine Element Design
Collin, R., Heating and Furnace Technology
Dahlquist, G., Numerical Analysis
Eketorp, S., Metallurgy of Iron and Steel
Esseen, C.-G. H., Mathematical Statistics
von Hámos, L., Automatic Control
Hillert, M., Metallography
Hulthen. L., Mathematical Physics
Inglestam. E., Physics
Janelid, I., Mining and Mine Surveying
Kihlstedt, P. G., Mineral Processing
Kjellberg, B., Mathematics
Larsson, K.-E., Reactor Physics
Norén, T., Welding Engineering
Odqvist, F., Strength of Materials
Ödman, O., Mineralogy and Geology
Sillén, L. G., Inorganic Chemistry
Strandell, P.-O., Working of Metals
Westermark, T., Nuclear Chemistry
Wranglén, G., Applied Electro-Chemistry and Corrosion
(Vacant—Industrial Economics and Managemant, Mechanics)

School of Architecture:
Ahlberg, C. F., Town Planning R.
Björkman, B., Traffic and Transport Engineering
Borg, G., Mathematics
Brosenius, H., Building Technology
Celsing, P., Architectrue II R
Dahlquist, G., Numerical Analysis
Esseen, C.-G. H., Mathematical Statistics
Hallert, B., Photogrammetry
Henriksson, G., Architecture I S
Larsson, G., Real Estate Technology
Lindman, G., Town Planning S
Nylander, H., Building Statics and Structural Engineering
Österberg, D., Building Economics and Organisation
Silow, S., Architecture II S
Uppman, R., Architecture I R
(Vacant—Structural Design)

School of Surveying:
Ahlberg, C.-F., Town Planning
Bjerhammar, A., Geodesy
Björkman, B., Traffic and Transport Engineering
Borg, G., Mathematics
Dahlquist, G., Numerical Analysis
Esseen, C.-G. H., Mathematical Statistics
Gustafsson, Y., Land Improvement and Drainage
Hallert, B., Photogrammetry
Inglestam, E., Physics
Larsson, G., Real Estate Technology
Lindman, G., Town Planning
Österberg, D., Building Economics and Organisation
(Vacant– Photography)

TEKNISKA HÖGSKOLAN I LUND
(The Lund Institute of Technology)

P.O. BOX 725, LUND 7
Telephone: 246 00.
Founded 1961.

Executive Member of the Organisation Committee: Dir.-Gen. R. Woxén.
Vice-President: Prof. B. Broberg.
Secretary of the Organisation Committee and Head of Administration: L. Ingvar, ll.b.

Number of teachers: 63, including 33 professors.

Number of students 1964/65: 564 men, 17 women, total 581.

DEANS:

School of Physics: Prof. L. Minnhagen.
School of Electrical Engineering: Prof. P.-O. Brundell.
School of Mechanical Engineering: Prof. B. Broberg.
School of Civil Engineering: Prof. O. Pettersson.
School of Architecture: Prof. O. Pettersson.
School of Chemical Engineering: (Vacant).

PROFESSORS:

School of Physics:
Åström, K.-J., Automatic Control
Blom, G., Mathematical Statistics
Johansson, S., Nuclear Physics
Minnhagen, L., Physics
Nilsson, S.-G., Mathematical Physics
Peetre, J., Mathematics
Tyllered, G., Applied Thermodynamics with Fluid Flow
Uhlhorn, U., Mechanics

School of Electrical Engineering:
BRUNDELL, P.-O., Theoretical Electrical Engineering
HERTZ, H., Electrical Measurements
LÖFGREN, L., Electrical Control Systems
STIGMARK, L., Applied Electronics
(Vacant—Information Transmission, Communication Systems)

School of Mechanical Engineering:
BORGLIN, S., Heat and Power Technology
BROBERG, B., Strength of Materials
FLOBERG, L., Machine Element Design
(Vacant—Fluid Machinery, Industrial Management, Machine Design and Construction, Mechanical Technology and Machine Tools, Industrial Transportations)

School of Civil Engineering:
BERGSTRÖM, S., Building Materials
ÖSTLUND, L., Building Technology
PETTERSSON, O., Building Statics and Structural Engineering)
(Vacant—Building Technology)

School of Architecture:
ACKING, C.-A., Theoretical and Applied Æsthetics
ADAMSON, B., Building Construction
BOALT, C., Functioning of Buildings
SAMUELSON, S., Architecture
(Vacant—Architecture)

School of Chemical Engineering:
(Vacant—Inorganic Chemistry, Technical Analytical Chemistry)

COLLEGES AND INSTITUTES

MEDICAL COLLEGES:

Kungliga Karolinska Institutet (*Royal Caroline Institute*): Stockholm 60; f. 1810.

Rector: S. FRIBERG.
Dean of Faculty of Odontology: Prof. A. LUNDSTRÖM.
Secretary: A. GUNNARSSON.
Librarian: E. J. KNUDTZON.

Library: *see* Libraries.
Number of teachers: 420, including 52 professors.
Number of students: about 1,400.
Publications: *Annual Report* (with list of papers published by the teaching staff of the Institute), *Curriculum, Students' Handbook.*

FULL-TIME PROFESSORS:

Faculty of Medicine:
ADAMS-RAY, J. F. E., Surgery
AHNSJO, S. O. R., Child Psychiatry
ÅLSTRÖM, C. H., Psychiatry
BERGSTRÖM, S. K. D., Chemistry
BERNHARD, C. G., Physiology
BERTANI, G., Microbiological Genetics
BIORCK, C. G. W., Medicine
BORELL, U. S. M., Obstetrics and Gynæcology
CASPERSSON, T. O., Medical Cell Research and Genetics
CRAFOORD, C., Thoracic Surgery
CRONHOLM, L. B., Psychiatry
ENGSTRÖM, A. V., Medical Physics
EULER-CHELPIN, U. S. VON, Physiology
FORSSBERG, A. G., Radiology
FRANKSSON, L. E. C., Surgery
FRIBERG, L. T., Hygiene
FRIBERG, S. A., Orthopædics
GARD, S., Virus Research
GOLDBERG, L., Alcohol Research
GORDH, T., Anesthesiology
GRANIT, R. A., Neuro-Physiology
GUSTAFSSON, B. E., Germ-Free Research
HAMBERGER, C. A., Oto-Rhino-Laryngology
HELLERSTRÖM, S. C. A., Dermatology and Venereology
INGELMAN-SUNDBERG, A. G. I., Obstetrics and Gynæcology
INGHE, P. G., Social Medicine
KARPE, G., Ophthalmology
KLEIN, G., Tumour-Biology
KUGELBERG, E. K. H., Neurology
LAGERLÖF, H. O., Medicine
LEKSELL, L. G. F., Neuro-Surgery
LIND, J., Pædiatrics
LINDGREN, E. A. M., X-ray Diagnostics and Neuro-Radiology
LUFT, R., Endocrinology
MALMGREN, B. R., Bacteriology
NILZÉN, Å., Clinical Dermatological Allergology
PETRÉN, T. E. A., Anatomy
REICHARD, P. A., Medical Chemistry
RINGERTZ, N. O. E., Pathology
RYLANDER, C. G., Forensic Psychiatry
SANTESSON, L. J. H., Radiopathology
SIEVERT, R. M., Radiophysics
SJÖSTRAND, O. T., Clinical Physiology
SJÖVALL, H. J., Forensic Medicine
THEORELL A. H. T., Biochemistry
THORELL, B. G., Pathology
UNVAS, B. K. M., Pharmacology
ZETTERSTRÖM, R. O. F., Pædiatrics

Faculty of Odontology (formerly Tandläkarhögskolan i Stockholm*):*
BERGMAN, G., Histopathology
ERICSSON, Y., Cariology
FORSBERG, A., Dental Roentgenology
HEDEGÅRD, B., Prosthetics
HERTZ, J., Oral Surgery
LUNDSTRÖM, A., Orthodontics
WELANDER, E., Pedodontics

Kungliga Farmaceutiska Institutet (*Royal Pharmaceutical Institute*): Kungstensgatan 49, Stockholm; f. 1837.

Rector: Prof. H. RYDIN.
Secretary: L. BYBERGER.

Number of teachers: 34, including 4 professors.
Number of students: 600.

PROFESSORS:
DALHBOM, J. R., Chemistry
RYDIN, H., Pharmacology and Toxicology
SANDBERG, F., Pharamacognosy
SANDELL, E., Galenic Pharmacy

Kungliga Veterinarhögskolan (*Royal Veterinary College of Sweden*): Stockholm 50; f. 1821.

Rector: Prof. C. G. SCHMITERLÖW.
Secretary: S. BRATT.
Librarian: A. MARGARETA ÅKESSON.

Number of volumes: 85,000.
Number of teachers: 87, including 12 professors.
Number of students: 256.
Publications: *Collected Papers* (annually), *Catalogue, Students' Handbook.*

PROFESSORS:
ÅKERBLOM, E. N., Hoof Diseases, Farriery, Study of Herds
BANE, B. A. W., Obstetrics and Gynæcology
DYRENDAHL, S. E. L., Breeding Biology and Hygiene of Domestic Animals
HEDSTRÖM, H. V., Bacteriology and Epizoology
HOFLUND, A. S., Medicine for Ruminants
LANNEK, N. G. V., Medicine for Non-Ruminants
LILLEENGEN, K., Foodstuffs Hygiene
NICANDER, L. V., Anatomy and Histology
OBEL, N. J., Surgery
RUBARTH, C. S., Pathological Anatomy
SCHMITERLÖW, C. G., Pharmacology
ZOTTERMAN, G. Y., Physiology

AGRICULTURAL COLLEGES:

Kungl. Lantbrukshögskolan (*Royal Agricultural College of Sweden*): Uppsala 7 and Ålnarp; f. 1932.

Rector: L. HJELM, AGR.D.
Vice-Rector: B. ÅBERG, PH.D.
Financial Superintendent: S. ROS, LL.B.
Secretary: C.-G. BRANDEL.

Library: *see* Libraries.
Number of teachers: 77, including 22 professors.
Number of students: 327 men, 67 women, total 394.
Publications: *Lantbrukshögskolans Annaler* (annual), *Lantbrukshögskolans meddelanden serie A och B, Aktuellt från Lantbrukshögskolan.*

PROFESSORS:
ÅBERG, A. E., Plant Husbandry
ÅBERG, K. V. B., Plant Physiology
BJÖRLING, K. J. E., Plant Pathology
ERIKSSON, S. S., Animal Nutrition
FRIBERG, P. A. A. J., Landscape Architecture
HALLGREN, E. G., Agricultural Hydrotechnics
HANSSON, N. E. A., Animal Breeding
HARALDSON, Å., Farm Mechanisation
HEINONEN, R., Soil Management
HELLSTRÖM, E. N. E., Organic Chemistry and Biochemistry
HJELM, K. G. L., Agricultural Economics
JANSSON, S. L. H., Soil Fertility
LAMM, R. L., Vegetable Growing
LINDQVIST, F. I., Inorganic Chemistry
MACKEY, J. F., Plant Breeding
NILSSON, F. V., Pomology
NILSSON, N. R., Microbiology
NORDFELDT, S. B. N., Animal Husbandry
ÖSTERGREN, S. G., Genetics
SPERBER, H. I. W., Animal Physiology
SVÄRDSTRÖM, K.-F., Agricultural Marketing
WIKLANDER, J. L., Pedology

Alnarps Lantbrucks-, Mejeri- och Trädgårdsinstitut (*Alnarp Agricultural Dairy and Horticultural Institute*): Alnarp; f. 1862.

Director: C. F. GELINDER.
Secretary: H. JEPPSSON.

Number of teachers: 37, including 3 professors.
Number of students: 196 men, 21 women, total 217.
Publication: *Milk and Dairy Research Report.*

PROFESSORS:

SJOSTROM, C. G. E., Dairy Chemistry and Bacteriology
SWARTLING, P. F., Dairy Research
THOMÉ, K. E., Dairy Technology

Kungl. Skogshögskolan (*The Royal College of Forestry*): Stockholm 50; f. 1828.

Rector: Prof. E. HAGBERG.
Vice-Rector: Prof. C. O. TAMM.
Registrars: A. ALLARD, B. DAMM.

Library: *see* "Skogsbiblioteket".
Number of teachers: 50, including 17 professors.
Number of students: 148 undergraduate, 41 graduate.
Publication: *Studia Forestalia Suedica* (irregular).

PROFESSORS:

BJÖRKMAN, E., Forest Botany
BUTOVITSCH, V., Forest Entomology
CARBONNIER, C., Forest Yield Research
EKLUND, B., Forest Mensuration and Management
GUSTAFSSON, Å., Forest Genetics
HAGBERG, E., Forest Economics (*Rector*)
LEKANDER, B., Forest Zoology (*acting*)
MATÉRN, B., Forest Biometry
NILSSON, N.-E., Forest Surveys
NORDSTRÖM, L., Silviculture
NYLINDER, P., Forest Products
SIREN G. Reafforestation
STAAF, A., Operational Efficiency I
STRIDSBERG, E., Forest Economy (*acting*)
SUNDBERG, U., Operational Efficiency
TAMM, C. O., Forest Ecology
TROEDSSON, T., Forest Soils

SCHOOL OF ECONOMICS:

Handelshögskolan i Stockholm (*Stockholm School of Economics*): Sveavägen 65, Stockholm Va.; f. 1909.

Rector: Prof. G. ARPI.
Secretary: L. BONDESON.
Librarian: H. BAUDE.

Number of teachers: 56, including 14 professors.

PROFESSORS:

ALEXANDERSSON, G., Economic Geography
ARPI, G., Economic Geography
BENTZEL, R., Economics
DAHMÉN, E., Economics, Economic and Social History
JOHANSSON, S.-E., Business Economics
KRISTENSSON, F., Business Economics
LINDBECK, A., Economics
OHLIN, B. G., Economics
PAULSSON FRENCKNER, T., Business Economics
RODHE, K., Legal Science
THORBURN, T., Business Economics
WESTERLUND, G., Social Psychology with Personal Administration
WILLIAM-OLSSON, W. F., Economic Geography
WÄRNERYD, K.-E., Economic Psychology

Affiliated Institutes:

Företagsekonomiska Forskningsinstitutet vid Handelshögskolan i Stockholm (*The Business Research Institute at the Stockholm School of Fconomics*): Sveavägen 65, Stockholm; f. 1929; scientific research in business administration, marketing and planning; 25 research fellows, 10 secs.; library in common with the School of Economics; Dir. Prof. JOHANSSON; publ. *Meddelanden från FFI* (Results of Scientific Investigations); all publs. in Swedish contain summaries in English.

Handelshögskolan i Göteborg (*The Gothenburg School of Economics and Business Administration*): Vasagatan 3, Göteborg; f. 1923.

Rector: Prof. K. GRÖNFORS.
Secretary: P.-A. BÄCKNER.
Librarian: T. VALLIN.

Number of teachers: 40, including 7 professors.
Number of students: 818.

PROFESSORS:

AF TROLLE, U., Business Administration
DAHL, S. G., Economic Geography
DICKSON, H. A. E., Social Economics
GRÖNFORS, K. G. W., Legal Science
TER VEHN, A. H., Business Administration
(Vacant—Two Professorships in Business Administration)

Institute of Economic History: Tegnérlunden 10, Stockholm Va.

Ibero-American Library and Institute: Stockholm School of Economics, Odengatan 61, Stockholm Va; f. 1951; library of 16,000 vols., information, courses, research; Dir. (Vacant); Chief Librarian a.i. G.. NUMMELIN-JERNÉR; publ. *Memorias* (every second year), monographs.

SCHOOLS OF SOCIAL SCIENCE:

Socialhögskolan i Stockholm (*Graduate School of Social Work and Public Administration*): Hagagatan 25A, Stockholm; f. 1920.

Socialhögskolan i Goteborg (*Graduate School of Social Work and Public Administration*): Ekmansgatan 3, Gothenburg; f. 1944.

Socialhögskolan i Lund (*Graduate School of Social Work and Public Administration*): Kiliansgatan 12, Lund; f. 1947.

Socialhögskolan i Umeå (*Graduate School of Social Work and Public Administration*): Storgatan 34A, Umeå; f. 1962.

COMMERCIAL COLLEGE:

Stockholms stads handelsgymnasium, Frans Schartaus handelsinstitut: Stigbergsgatan 26, Stockholm SO; f. 1965.

Principal: L. BJURHAMMER.

Number of teachers: about 100.
Number of students: 1,400.

COLLEGE OF PRINTING:

Grafiska Institutet (*Graphic Institute*): Valhallavägen 191, Stockholm; f. 1944; college education for the printing industry; includes a school of advertising; Pres. B. ZACHRISSON; Librarian L. OSTRAT; Sec. JANE OHLSÉN; Chair. of Board of Trustees U. WILLERS; publs. *Skriftserie, Handböcker i Offset, Calamus, Grafiska Uppsaster.*

SCHOOLS OF ART AND MUSIC

Kungl. Musikhögskolan (*Royal College of Music*): Valhallavägen 103, Stockholm NO; f. 1771; under supervision of Kungl. Musikaliska Akademien.

Principal: Prof. B. CARLBERG.

Number of teachers: 77, including 65 professors.
Number of students: 261 men, 148 women, total 409.
Publication: *Year Book.*

Kungl. Konsthögskolan (*Royal Academy Art School*): supervised by the Royal Academy of Fine Arts; Fredsgatan 12, Stockholm; f. 1735.

Director: Prof. H. BRUNNBERG.
Secretary: B. BERGMAN.
Librarian: R. SÖDERBERG, FIL.LIC.

Number of students: 166.
Publications: *Kungl. Konsthögskolan, Timplan; Kungl. Konsthögskolan, Elevkatalog.*

PROFESSORS:

ARLE, A., Sculpture
BRUNNBERG, H., Architecture
JONES, A., Sculpture
LINDAHL, G., History of Swedish Architecture, Comparative Architectural History
LUNDQUIST, E., Painting
MARKLUND, B., Drawing
MELANTON, E., Painting
RODHE, L., Painting
VON SCHANTZ, PH., Graphic Arts

Konstfackskolan (*Swedish State School of Arts, Crafts and Design*): Valhallavägen 191, Stockholm 27; f. 1844.

Principal: H. HULDT.
Headmaster of the Training College for Art Teachers: R. HÅRDE.

Number of teachers: 105.
Number of students: 1,100.

SWITZERLAND

Population 5,608,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

AGRICULTURE

Stations fédérales d'Essais Agricoles: Division de l'Agriculture, Laupenstrasse 25, 3003 Berne; Dir. WALTER CLAVADETSCHER. The centre for federal agricultural research, which is carried out by the following *Stations Agronomiques Fédérales:*

Station d'Essais Agricoles: 8050 Zürich-Oerlikon; Dir. Dr. R. SALZMANN.

Stations d'Essais Agricoles: Montagibert, 1000 Lausanne; Dir. Dr. R. GALLAY.

Station de Chimie Agricole: 3097 Liebefeld-Berne; Dir. Dr. L. GISIGER.

Station de Laiterie: 3097 Liebefeld-Berne; Dir. Dr. P. KASTLI.

Station d'Arboriculture, de Viticulture et d'Horticulture: 8820 Wadenswil; Dir. Dr. R. FRITZSCHE.

Administration du domaine et station d'essais agricoles: 3097 Liebefeld-Berne; Dir. H. GUTKNECHT.

ANTIQUITIES, ARCHÆOLOGY, HISTORY

Antiquarische Gesellschaft: Schweizerisches Landesmuseum, Zürich; f. 1832; 530 mems.; Pres. Prof. Dr. P. KLÄUI; Actuary Dr. H. C. PEYER; Sec. PAUL FRÜH; publs. *Mitteilungen der Antiquar. Gesellschaft, Urkundenbuch der Stadt und Landschaft Zürich.*

Historische und Antiquarische Gesellschaft zu Basel: Universitätsbibliothek, Schönbeinstrasse 20, Basle; f. 1836; 500 mems.; library contains 15,000 vols.; Pres. Dr. PETER BURCKHARDT; Sec. Dr. ANDREAS STAEHELIN; publ. *Basler Zeitschrift für Geschichte und Altertumskunde.*

Société d'Histoire de la Suisse Romande: University Library, Palais de Rumine, Lausanne; f. 1837; 400 mems.; Pres. JEAN-CHARLES BIAUDET; Sec. GUSTAVE VAUCHER; publs. *Mémoires* and *Documents.*

Société d'Histoire et d'Archéologie: c/o Bibliothèque Publique et Universitaire, Geneva; f. 1838; 300 mems.; library contains 10,000 vols.; 1,000 MSS.; Pres. Miss CHR. DUNANT; Sec. WALTER ZURBUCHEN; publs. *Bulletin* (annual), *Mémoires et Documents.*

Société Générale suisse d'histoire: Berne, Bibliothèque de la Ville; f. 1841; 880 mems.; Pres. Prof. Dr. O. VASELLA; publ. *Revue Suisse d'Histoire.*

Société vaudoise d'histoire et d'archéologie: Archives Cantonales, 47 rue du Maupas, Lausanne; f. 1902; 650 mems.; Pres. Prof. JEAN-JACQUES BOUQUET; publ. *Revue Historique vaudoise* (quarterly).

ARCHITECTURE

Bund Schweizer Architekten-Fédération des Architectes Suisses: Selnaustrasse 16, Zürich; 286 mems.; Pres. A. CAMENZIND; Sec. HANS VON MEYENBURG; publs. *Schweizer Baukatalog, Werk.*

Société Suisse des Ingénieurs et des Architectes: Beethovenstrasse 1, Zürich 2; f. 1837; 6,000 mems.; Pres. A. RIVOIRE; Sec.-Gen. G. WÜSTEMANN; publs. *Schweizerische Bauzeitung, Bulletin technique de la Suisse romande, Rivista tecnica della Svizzera italiana, Bulletin S.I.A.*

ARTS

Association Syndicale des Peintres, Sculpteurs, Dessinateurs et Artisans d'Art de Genève: Musée Rath, 14 rue Etienne Dumont, Geneva; Pres. LOUIS SCHWAIGER; Sec. CHARLES FONTANEZ.

Gesellschaft für Schweizerische Kunstgeschichte: Schwanengasse 4, Berne, and Steinenberg 6, Basle; f. 1880; 8,500 mems.; Pres. Prof. Dr. HANS R. HAHNLOSER; Chief Editor Dr. ERNST MURBACH; publs. *Die Kunstdenkmäler der Schweiz* (50 vols.), *Schweiz. Kunstführer* (7 series), *Mitteilungsblatt "Unsere Kunstdenkmäler"* (16 vols.).

Gesellschaft Schweizerischer Maler, Bildhauer und Architekten-Société des Peintres, Sculpteurs et Architectes Suisses: 8 Hirschengraben, Berne; f. 1865; 728 mems.; Pres. MARCEL PERINCIOLI; Vice-Pres. ALDO PATOCCHI; Sec. PETER KÄSER; publs. *Schweizer Kunst, Art Suisse.*

Schweizerischer Werkbund: Florastrasse 30, 8008, Zürich; f. 1913; 650 mems.; Dir. E. GOMRINGER; publ. *Werk* (monthly).

Société Académique: Université de Neuchâtel, Neuchâtel; f. 1889; 308 mems.; Pres. RAYMOND JEANPRETRE; Vice-Pres. FELIX FIALA; Treas. JEAN V. DEGOUMOIS.

Société des Arts: Athénée, Geneva; f. 1776; 1,400 mems. Pres. EUGENE NUSSBAUM.

Société des Femmes Peintres, Sculpteurs et Décorateurs: Unionstrasse 7, Z ürich 32; f. 1903; 480 mems.; Pres. LOUBA BUENZOD; Sec. GENEVIEVE SEIPPEL.

Verband Schweizerischer Grafiker: Chorgasse 18, 8001, Zürich; f. 1938; 200 mems.; Pres. HANS NEUBURG.

Wirtschaftsbund bildender Künstler: 8 Auf der Mauer, Zürich; f. 1933; 140 mems.; Sec. WA. KA. BUCHMANN; publ. *Mitteilungen des Wirtschaftsbundes bildender Künstler.*

BIOLOGY, HORTICULTURE, NATURAL SCIENCES

Bernische Botanische Gesellschaft: Berne; f. 1918; 130 mems.; Pres. Prof. Dr. M. WELTEN; Sec. Dr. HEINR. FREY.

Commission pour l'Encouragement des Recherches Scientifiques: Rue Fédérale 8, Berne; f. 1944; state subsidised to promote research work; Pres. FRITZ HUMMLER; Sec. HP. BRENNER.

Institut et Jardin Botaniques de l'Université: Altenbergrain 21, 3013 Berne; f. 1862; **Institut de Recherches:** f. 1951; microbiology and plant physiology; section on systematics, geo-botany, pollen analysis; Dir. Prof. U. LEUPOLD; publs. *Annual Report*, scientific publications.

Institut et Jardin Botaniques de l'Université: 6 Schönbeinstrasse, Basle; f. 1588; contains a herbarium comprising the collection of C. Bauhin (1576-1624), and others of the 17th and 18th centuries; Dir. Prof. Dr. MAX GEIGER-HUBER.

Naturforschende Gesellschaft Basel: Universitäts-Bibliothek, Basle; f. 1817; 463 mems.; library contains 48,520 vols.; Pres. Prof. Dr. H. ZOLLER; Sec. Dr. ALCIDE GERBER; publ. *Verhandlungen der Naturforschenden Gesellschaft* (twice yearly).

Naturforschende Gesellschaft in Zürich: 15 Fehrenstrasse, 8032 Zürich; f. 1746; 1,200 mems.; Editor Prof. Dr. E. A. THOMAS; publs. *Neujahrsblatt, Vierteljahrsschrift* (quarterly).

Physikalische Gesellschaft Zürich: Gloriastrasse 35, 8006 Zürich; f. 1887; 416 mems.; Pres. Prof. Dr. VERENA MEYER; Sec. Prof. Dr. H. GRÄNICHER.

Schweizerische Botanische Gesellschaft: Institut für Spezielle Botanik der Eidgensösischen Technischen Hochschule, Universitätstrasse 2, Zürich; f. 1890; 450 mems.; Pres. Prof. Dr. M. GEIGER-HUBER; publ. *Berichte der Schweizerischen Botanischen Gesellschaft.*

Schweizerische Entomologische Gesellschaft: Berne; f. 1858; 209 mems.; Pres. Dr. A. MUTHYS; Sec. Dr. W. MEIER; publ. *Mitteilungen der Schweizerischen Entomologischen Gesellschaft*; Library and Exchange Agency: Library of the Swiss Institute of Technology, Leonhardstrasse 33, Zürich.

Schweizerische Naturforschende Gesellschaft: Zentralsekretariat, c/o F. Hoffmann-La Roche and Co. A.G., 4002 Basle.

Schweizerische Stiftung für Alpine Forschungen: Bleicherweg 47, Zürich; f. 1939; Pres. KARL WEBER; Sec. ERNST FEUZ; publs. *The Mountain World, Berge der Welt*, Vols. I-XV.

Société Paléontologique Suisse: Peter-Rot-Strasse 106, Basle; 130 mems.; Pres. Dr. A. SCHNORF; Sec. and Treas. Dr. H. SCHAEFER.

Jungfraujoch Scientific Station: *see under* Section "Meteorology, Astronomy, Observatories".

Société de Physique et d'Histoire Naturelle: Bibliothèque publique et universitaire, Bastions, Geneva; f. 1790; 112 mems.; Pres. MARC VUAGNAT; Sec. E. LANTERNO; publs. *Archives des sciences, Mémoires.*

Société Vaudoise des Sciences Naturelles: Palais de Rumine, Lausanne; f. 1815; 480 mems.; 800 periodicals in the library reading-room; Sec. Mlle BOUET; publs. *Bulletin, Mémoires.*

GEOGRAPHY, ETHNOGRAPHY

Geographisch-Ethnographische Gesellschaft: Freiestrasse 30, Zürich 32; f. 1889; 450 mems.; Pres. Dr. H. BOESCH; Sec. Dr. K. SUTER; publs. *Mitteilungen 1899-1945, Geographica Helvetica.*

Geographisch-Ethnologische Gesellschaft Basel: Klingelbergstrasse 16, Basle; f. 1923; 530 mems.; Pres. G. BIENZ; Sec. Dr. G. BAER; publs. *Regio Basiliensis* (six-monthly), *Basler Beiträge zur Geographie und Ethnologie* (irregular).

Geographische Gesellschaft: Thunstrasse 36, 3000 Berne; f. 1873; 300 mems.; Pres. Dr. W. KUHN, Thunstrasse 36; Sec. Dr. M. HOHL; publ. *Jahresbericht der Geographischen Gesellschaft Bern.*

Société de Géographie de Genève: Athénée, Geneva; f. 1858; 300 mems.; Pres. G. LOBSIGER; Sec. PH. DUBOIS; publ. *Le Globe.*

INTERNATIONAL CULTURAL INSTITUTES

British Council, The: Rämistrasse 34, Zürich 1; Rep. W. J. PERRYMAN.

Istituto Italiano di Cultura (*Italian Cultural Institute*): Florastrasse 7, Zürich; Dir. Prof. PAOLO SOLDATI.

LITERATURE, LIBRARIANSHIP

Fondation Schiller Suisse: Stadthausquai 5, Zürich; f. 1905; 1,500 mems.; Pres. RUDOLF MEIER; Vice-Pres. Dr. JACQUES MERCANTON; publ. *Jahresbericht.*

Gesellschaft für deutsche Sprache und Literatur in Zürich: Deutsches Seminar der Universität Zürich, Zürichbergstrasse 8, Zürich; f. 1894; 154 mems.; Pres. Prof. Dr. St. SONDEREGGER; Sec. Dr. IRMA VOSER-HOESLI.

Institut et Musée Voltaire: Les Délices, Geneva; f. 1952; library of 20,000 vols. and MSS; Dir. THEODORE BESTERMAN; publ. *Studies on Voltaire and the Eighteenth Century* (41 vols.).

Basle Centre of the International P.E.N.: 186 Reservoirstrasse, Basle; f. 1932; 152 mems.; Pres. Prof. Dr. WALTER MUSCHG; Sec. HANS MOHLER; publ. *Annals.*

Mechanlizenz (*Swiss Society for Mechanical Rights*): 38 General Guisan-Quai, Zürich; f. 1923; 1,400 mems.; Pres. HEINRICH SUTERMEISTER; publ. *Schweizerische Musikzeitung* (bi-monthly).

Schweizerische Bibliophilen-Gesellschaft: 6 Zähringerplatz, Zürich; f. 1921; 700 mems.; Pres. Dr. PAUL SCHERRER; publs. *Stultifera Navis* 44-57, *Librarian* 58-.

Schweizerische Gesellschaft der Urheber und Verleger, "Suisa" (*Swiss Association of Authors and Publishers*): 38 General Guisan-Quai, Zürich; f. 1924; 2,000 mems.; Pres. CARLO HEMMERLING; Dir. Dr. U. UCHTENHAGEN; publ. *Schweizerische Musikzeitung* (bi-monthly).

Schweizerischer Schriftsteller-Verein (*Society of Swiss Writers*): 25 Kirchgasse, Zürich; f. 1912; 500 mems.; Sec. Dr. FRANZ W. BEIDLER.

Società Retorumantscha: c/o Dr. A. Schorta, Coire/Grisons; f. 1870; approx. 600 mems.; Pres. Dr. GION DEPLAZES.

Vereinigung Schweizerischer Bibliothekare (*Association of Swiss Librarians*): Pres. Dr. L. ALTERMATT, Zentralbibliothek, Solothurn.

MEDICINE

Institut Sérothérapique et Vaccinal Suisse: 79 Rehhagstrasse, Berne; f. 1898; Dir.-Gen. E. CARDINAUX.

Schweizerische Akademie der Medizinischen Wissenschaften: 13 Petersplatz 2, Basle; f. 1943; 44 mems.; Pres. Prof. Dr. A. FRANCESCHETTI; Sec.-Gen. Prof. Dr. A. GIGON; publs. *Bulletin der Schweiz. Akademie der medizinischen Wissenschaften, Bibliographia medica Helvetica.*

Schweizerische Gesellschaft für Balneologie und Bioklimatologie: f. 1902; 120 mems.; Pres. Dr. M. S. MEIER (Zürich and Vulpera); Sec. Dr. ZINN (Ragaz); publ. *Annalen.*

Schweizerische Gesellschaft für Geschichte der Medizin und der Naturwissenschaften: Berne; Pres. Prof. Dr. W. H. SCHOPFER; Sec. Prof. Dr. Med. HANS FISCHER, Zürich; publ. *Gesnerus* (quarterly).

Schweizerisches Forschungsinstitut für Hochgebirgsklima und Medizin: Davos; Dirs. Dr. Phil. E. SORKIN, P.D., Dr. Phil. W. MÖRIKOFER, P.D.

Schweizerisches Tropeninstitut (STI): Basle; f. 1943; Dir. Prof. R. GEIGY; publ. *Acta Tropica.*

Société Suisse de Pharmacie: 37 Sihlstrasse, Zürich; f. 1843; 1,541 mems.; Secs. Dr. J. BIDER, Dr. J. METZGER; publ. *Schweizerische Apothekerzeitung, Pharmaceutica Acta Helvetiae.*

Swiss Neurological Society: Zürichbergstrasse 88, Zürich.

METEOROLOGY, ASTRONOMY, OBSERVATORIES

Astrophysical Observatory: Arosa-Tschuggen; f. 1939; Dir. Prof. Dr. M. WALDMEIER.

Jungfraujoch Scientific Station: Secretariat, Bühlplatz 5, Berne; f. 1930; high-altitude research in astronomy, astrophysics, botany, geology, glaciology, hydrology, medicine, meteorology, physics and zoology; international foundation by scientific organisations of Austria, Belgium, France, Germany, Great Britain,

Netherlands, Switzerland; Pres. Prof. A. VON MURALT Asst. Dr. P. VON TAVEL; Treas. Dir. M. HÄNI; pub *Review on Activity*.

Observatoire: Geneva; f. 1772; Dir. Prof. M. GOLAY; Astronomer M. GOLAY.

Observatoire Cantonal: Neuchâtel; f. 1858; library contains 100,000 vols.; astronomical time service; chronometry department; Dir. J. BONANOMI; publs. time service bulletins, annual reports.

Observatoire Fédéral: 25 Schmelzbergstrasse, Zürich 6; f. 1864; Dir. Prof. Dr. M. WALDMEIER; publs. *Astronomische Mitteilungen*, *Publikationen*, *Quarterly Bulletin on Solar Activity*, *Report* (annual).

Observatoire Flammarion: Lucerne; Dir. Dr. E. DE KRUDY.

Schweizerische Meteorologische Zentralanstalt: Zürich; f. 1864; Dir. RAYMOND SCHNEIDER.

Specola Solare dell' Osservatorio Astronomico Federale: Locarno-Monti; f. 1957; Dir. Prof. Dr. M. WALDMEIER.

MUSIC

Société Suisse de Pédagogie Musicale: Sophienstr. 6. Zürich; f. 1893; 1,700 mems.; Pres. and Sec. OTTO UHLMANN.

Schweizerische Musikforschende Gesellschaft: 25 Passwangstrasse, Basle; f. 1916; 350 mems.; Pres. Dr. ERNST MOHR; Sec. Dr. HANS P. SCHANZLIN, Basle.

Schweizerischer Musikerverband: Talacker 35. Zürich; f. 1914; an organisation of Swiss professional musicians; branches in 9 localities; 1,350 mems.; Pres. A. DALLO; Sec. Dr. V. HAUSER; publ. *Schweizer Musikerblatt* (monthly).

Schweizerischer Tonkünstlerverein—Association des Musiciens Suisses: Avenue du Grammont 11 *bis*, Lausanne; f. 1900; 500 mems.; Pres. Prof. CONSTANTIN REGAMEY (Lausanne); Sec. JEAN HENNEBERGER; publ. *Schweizerische Musikzeitung* (bi-monthly review).

GENERAL

Association Suisse de Science Politique (*Swiss Political Science Association*): Case Genève 21 Sécheron; f. 1959; 200 mems.; Pres. Prof. R. RUFFIEUX; Exec. Sec. Y. COLLART.

Auslandschweizersekretariat (*Secretariat of Swiss Abroad*): Alpenstrasse 26, 3000 Berne; Dir. Dr. EDMOND MÜLLER.

Central Office of the Swiss Universities: Beckenhofstrasse 31, 8006 Zürich; f. 1920 as Swiss Central University Office; reorganised 1945; information service on Swiss and foreign universities, university teacher and student exchange, secretariat of the Conference of Swiss University Rectors and of the Federal Committee for Scholarships to Foreign Students; Dir. Dr. ANDREAS MILLER.

Eidgenössisches Statistisches Amt (*Federal Bureau of Statistics*): Hallwylstrasse 15, Berne; f. 1860; for production and publication of statistics; Dir. ANTON MELI; library of 200,000 vols.

Information Centre for Educational Matters: Palais Wilson, Geneva; f. 1962; to inform Swiss and foreign services on questions relative to teaching and education in Switzerland and also on scholarships.

Institut Africain de Genève: 2-4 route de Drize, Carouge-Genèva; f. 1960; lectures on African geography, history, culture, economic and sociological problems; introductory and advanced seminars, research, training programmes in private and public administration; social activities; Dir. PIERRE BUNGENER; Dir. of Studies RENÉ WADLOW; 14 teachers; library; publ. *Geneva-Africa* (half-yearly).

Institut National Genevois: rue de l'Athénée 42, Geneva; f. 1853; 600 mems.; Pres. A. JENTZER; Sec.-Gen. PAUL DESBAUMES; consists of Natural Science and Mathematics Section (Pres. Dr. G. NICOLAS), Moral and Political Sciences, Archæology and History Section (MAX HOCHSTAETTER), Literary Section (Pres. TH. BRUTSCH), Industry and Agriculture Section (P. ARDIZIO), Fine Arts Section (Pres. J. CHOMEL); publs. *Mémoires* and *Bulletin*.

Neue Helvetische Gesellschaft: Alpenstrasse 26, Berne; Man. THEO CHOPARD.

Schweizer Heimatschutz: Postfach, 8023 Zürich; Pres. Staatsanwalt ARIST ROLLIER; publ. *Heimatschutz* (French and German, quarterly).

Schweizerische Trachtenvereinigung: Heimethuus, Zürich; f. 1926; Pres. Staatskanzler R. BINZ; publ. *Heimatleben* (French edition: *Costumes et Coutumes* (3 a year)).

Sozial-und Betriebspädagogisches Institut (*Institute of Social and Industrial Pedagogy*): Obere Mühlemattstrasse 55, Zofingen; f. 1961; for consultation and training of managers and staff mems. in human and organisational integration, in problems of industrial development, etc.; Dir. Dr. W. BROKERHOF.

Stiftung Pro Helvetia (*Pro Helvetia Foundation*): 22 Hirschengraben, 8001 Zürich; f. 1939 for the promotion of cultural life in Switzerland, including exchanges between the linguistic regions of the country; supplies information on Swiss cultural activities to foreign enquirers and maintains a special Foreign Press Service for Science and the Arts (22 Hirschengraben, 8001 Zürich, Manager Dr. CARL DOKA) for this purpose; the Swiss Federal Council appoints the President and the 25 mems. of the Council of Foundation; Pres. MICHAEL STETTLER, PH.D.; Sec.-Gen. LUC BOISSONNAS.

Stiftung zur Förderung der mathematischen Wissenschaften in der Schweiz (*Foundation for the Promotion of Mathematical Sciences in Switzerland*): Genferstrasse 3. Zürich; publ. *Veröffentlichung der "Commentarii Mathematici Helvetici"*.

Swiss-American Society for Cultural Relations: f. 1942; lectures on cultural subjects; Pres. Dr. EMIL FRICK; Talacker 35, 8001 Zürich.

Swiss National Science Foundation: Wildhainweg 20, Berne; f. 1952 for the encouragement of research in the social, legal, economic, natural and medical sciences, humanities and technology; has a Council of Foundation, on which the Government, the universities and other cultural institutions are represented, and a National Research Council, consisting entirely of scientists; Pres. of the Council of Foundation Prof. A. LABHARDT; Pres. of the National Research Council Prof. ALEXANDER VON MURALT; Sec. Dr. C. LANG.

LIBRARIES AND ARCHIVES

Allgemeine Bibliotheken: 24 Gerbergasse, Basle; f. 1807; 9 branch libraries; 50,000 vols.; Dir. PETER MARTI.

Bibliothek des Museums für Völkerkunde: Augustinergasse 2, Basle; 15,000 vols. on ethnography of the world; Librarian Dr. G. BAER.

Öffentliche Bibliothek der Universität Basel (*Public University Library*): 20 Schönbeinstrasse, Basle; f. 1460; 1,775,000 vols.; scientific works, special collections of MSS., incunabula, maps, portraits; Pres. of Library Commission Prof. HARALD FUCHS; Chief Librarian CHRISTOPH VISCHER, PH.D.; publs. *Bericht über die Verwaltung der Öffentlichen Bibliothek der Universität Basel, Jahresverzeichnis der Schweizerischen Hochschulschriften, Die mittelalterlichen Handschriften der Universitätsbibliothek Basel.*

Schweizerisches Wirtschaftsarchiv—Archives Economiques Suisses: Kollegienhaus der Universität, Petersgraben, Basle; f. 1910; over 600,000 vols., including business reports, periodicals, statistical publications, reports on social institutions and international conferences, professional societies and law and economics; 750,000 newspaper cuttings; the library is open to the public; Dir. Dr. C. MENTHA; publ. *Schriften des Schweizerischen Wirtschaftsarchivs.*

Archives Fédérales: 24 rue des Archives, Berne; f. 1798; Dir. Dr. LEONARD HAAS; publ. *Aktensammlung der Helvetischen Republik* (1 vols.).

Bibliothek des Konservatoriums für Musik: 36 Kramgasse, Berne; Pres. Dr. MAX ZULAUF.

Bibliothèque Nationale Suisse—Schweizerische Landesbibliothek: 15 Hallwylstrasse, Berne; f. 1895; contains all publications issued in Switzerland and foreign publications if by Swiss authors or if concerning Switzerland; 1,000,000 vols., 100,000 engravings and photos, 20,000 maps, 10,000 posters; Swiss union catalogue; Dir. Prof. Dr. R. RUFFIEUX; Vice-Dir. Dr. W. VONTOBEL; publs. *Le Livre suisse, Répertoire méthodique des publications suisses ou relatives à la Suisse, 1901-47, Répertoire du livre suisse 1948-60, Répertoire des périodiques suisses, 1951-55, 1956-60, Répertoire des périodiques étrangers reçus par les bibliothèques suisses*, 4th edition 1955, *Bibliographia scientiae naturalis Helvetica, Bibliographie d'historique suisse, Bibliographia medica Helvetica* (with the Swiss Academy of Medical Sciences).

Bibliothèque de la Société Helvétique des Sciences Naturelles (*Bibliothèque de la ville et de l'université de Berne*): 41 Kesslergasse, Berne; f. 1901; publs. *Verhandlungen (Actes)* and *Denkschriften (Mémoires).*

Eidgenössische Zentralbibliothek: (*Library of the Federal Administration*): Bundeshaus-West, Berne; f. 1849; 86,000 vols.; the library is open to the public for reference only; Dir. Dr. HANS GUSTAV KELLER.

Pharmazeutische Zentralbibliothek: 10 Sahlistrasse, Berne; f. 1843.

Staatsarchiv des Kantons Bern: 4 Falkenplatz, 3000 Berne; contains the archives of the Canton of Berne; Archivist FRITZ HÄUSLER; publ. *Das Staatsarchiv des Kantons Bern.*

Stadt- und Universitätsbibliothek: 41 Kesslergasse, Berne; 800,000 vols.; Chief Librarian Dr. H. STRAHM, P.D.

Archives d'Etat: Hôtel de Ville, Geneva; Archivist G. VAUCHER.

Bibliothèque d'Art et d'Archéologie (annexe of Musée d'Art et d'Histoire): 5 Promenade du Pin, Geneva; 50,000 vols. and 60,000 slides; Librarian C. GEORG.

Bibliothèque Publique et Universitaire de Genève: Promenade des Bastions, Geneva; f. 1561; 1,100,000 vols. and pamphlets, 23,000 maps, 45,000 engravings, 10,000 MSS.; Dir. Dr. MARC-AUGUSTE BORGEAUD.

Bibliothèque des Nations Unies: Palais des Nations, Geneva; f. 1920; 500,000 vols.; Librarian A. C. BREYCHA-VAUTHIER; Deputy Librarian NORMAN S. FIELD; publs. *Monthly List of Selected Articles* and *Monthly List of Books Catalogued in the Library.*

International Labour Office Library: 154 Route de Lausanne, Geneva; f. 1920; 650,000 vols. and pamphlets; the library is open to the public on special request; Librarian JOSEPH W. HADEN.

Bibliothèque de L'Hospice du Grand Saint-Bernard: Grand Saint-Bernard, Canton de Valais (library of Austin Canons monastery, f. 1050); works on botany and numismatics, ancient MSS. and maps; over 30,000 vols. and many thousands of brochures.

Bibliothèque Cantonale et Universitaire de Lausanne: Palais de Rumine, 1000 Lausanne; f. 1537 as the Bibliothèque de l'Académie, Bibliothèque Cantonale et Universitaire since 1890; incorporates the libraries of the "Société vaudoise des sciences naturelles" and the "Société d'histoire de la Suisse romande"; 600,000 vols., 130 incunabula; the library is open to the public; Dir. JEAN-PIERRE CLAVEL; publ. *Liste des acquisitions récentes.*

Bibliothèque de la Faculté de Droit de l'Université: 5A Place de la Cathédrale, Lausanne; f. 1890; 96,000 vols.; Dir. Prof. FRANÇOIS GILLIARD; Librarian JUNE ROSSIER.

Zentralbibliothek: Sempacherstrasse 10, Lucerne; f. 1951; central library for cantonal and town libraries; 350,000 vols.; the largest public library in Central Switzerland; fiction and science books; Dir. Dr. W. SPERISEN.

Bibliothèque des Pasteurs: 3 Collégiale, Neuchâtel; f. *c.* 1552; theological; 55,000 vols., 16,000 pamphlets; Librarian PAUL-EUGÈNE VUILLEMIN.

Bibliothèque Publique de la Ville: Neuchâtel; f. 1788; 500,000 vols., including vols. of periodicals, an Encyclopædia Library, Swiss theses, many reviews received mostly by exchange; MSS. of J.-J. Rousseau (works and correspondence); Dir. E. BERTHOUD; publ. *Bulletin des acquisitions récentes.*

Stadtbibliothek (Vadiana): 22 Notkerstrasse, St. Gallen; f. 1551; 250,000 vols.; the library is open to the public; Dir. Dr. PETER WEGELIN.

Stifts-Bibliothek St. Gallen: St. Gallen (library of former Benedictine Abbey of St. Gall); f. about 720 A.D.; important collection of manuscripts and incunabula, some dating from Irish period; 100,000 vols.; Dir. Dr. JOHANNES DUFT.

Zentralbibliothek: 39 Bielstrasse, Solothurn; f. 1763 as town library; 300,000 vols., 2,000 MSS.; the library is open to the public; Dir. Dr. HANS SIGRIST; publs. *Jahresbericht, Veröffentlichungen.*

Stadtbibliothek: 52 Museumstrasse, Winterthur; f. 1660; 260,000 vols., also 430 current reviews; the library is open to the public; Dir. Dr. EMMANUEL DEJUNG; publ. *New Year's Report* (annually).

Bibliothek der Eidgenössischen Technischen Hochschule (*Library of the Swiss Federal Institute of Technology*): Leonhardstrasse 33, 8006 Zürich; f. 1855; 750,000 vols.; 3,500,000 patents, 4,500 current periodicals; university library specialising in natural and technical sciences, including: special department for architecture and fine arts with legacies of famous architects (e.g. Gottfried Semper) and the Swiss "Burgerhaus-Archiv"; MS. letters of Einstein and others; centre of Swiss technical documentation ("Technischer Literaturnachweis"); national atomic energy and space research library, service for microfilms and photostats; Dir. Dr. J.-P. SYDLER.

Schweizerisches Sozialarchiv: Neumarkt 28, Zürich; f. 1906; Swiss centre of social documentation; 40,000 vols. and over 100,000 brochures, pamphlets, etc.; 800 current newspapers and reviews in the lecture hall; newspaper cuttings; the library is open to the public; Librarian Dr. E. STEINEMANN.

Staatsarchiv des Kantons Zürich: 33 Predigerplatz, Zürich 1; f. 1837; contains the archives of the canton of Zürich and a specialised library (local publications and collections of statutes; 21,000 vols. and numerous pamphlets); Dir. Prof. Dr. H. C. PEYER.

Zentralbibliothek Zürich: Zähringerplatz 6, Zürich; f. 1917 (formerly Stadtbibliothek, f. 1629, and Kantonsbibliothek, f. 1835); city, cantonal and university library, incorporating also the libraries of Naturforschende Gesellschaft in Zürich, Antiquarische Gesellschaft in Zürich, Geographisch-Ethnographische Gesellschaft Zürich, Schweizerischer Alpenclub, Allgemeine Musikgesellschaft Zürich, Bibliotheca Fennica, etc. About 1,300,000 vols., 13,500 MSS., 1,500 incunabula, 100,000 maps, and special collections of graphic arts (160,000 items), genealogy, heraldry. Service for photostats, xerocopies, microfilms; Dir. Dr. PAUL SCHERRER.

Bibliothek des Kunstgewerbemuseums der Stadt Zürich: Zürich; f. 1874; 50,000 vols.; Librarian Dr. KURT AKERET.

Central English Library: Zürich; f. 1960; 10,000 vols.

MUSEUMS AND ART GALLERIES

Kantonale Kunstsammlung: Aarau; f. 1860; Swiss painting and sculpture from 1750 to the present day; considerable collection of paintings by Caspar Wolf (1735-1783), the first painter of the Alps, and by the landscape painter, Adolf Staebli, and by Auberjonois, Brühlmann, Amiet, G. Giacometti, Hodler, Meyer-Amden, Louis Soutter, Vallotton; Curator GUIDO FISCHER.

Oeffentliche Kunstsammlung: Kunstmuseum, St. Albangraben 16, Basle; f. 1662; from Amerbach-Kabinett's paintings of the 15th century to present day, notably by Witz, Holbein and contemporary painters; collection includes Grünewald, Caravaggio, Greco, Rembrandt, Cézanne, Gauguin and Van Gogh; sculptures by Rodin and 20th-century artists; American painting since 1945; Print Room with old Upper Rhine, German and Swiss masters; Dir. Dr. FRANZ MEYER.

Museum für Völkerkunde und Schweizerisches Museum für Volkskunde: Augustinergasse 2, Basle; f. 1892; ethnographical collections from all parts of the world, especially from Oceania, Indonesia, and Switzerland; Dir. Prof. Dr. A. BÜHLER; Curators J. BAER and Dr. R. WILDHABER; publs. *Annual Report, Basler Beiträge zur Geographie und Ethnologie*, and guides.

Kunstmuseum: 12 Hodlerstrasse, Berne; f. 1879, and enlarged 1936; contains Italian paintings from 14th and 16th centuries, works by Swiss masters from 15th to 19th centuries and modern works by Hodler and other Swiss, French and German masters; Paul Klee foundation; Hermann and Margrit Rupf foundation; the graphic art collection contains over 20,000 drawings and engravings; *c.* 25,000 vols.; Curator Prof. Dr. M. HUGGLER.

Naturhistorisches Museum: 15 Bernastrasse, Berne; f. 1694; collection includes dioramas of Swiss mammals and birds and big game (especially African), minerals of the Swiss Alps, Alpine fossils, insects, vertebrates, molluscs, corals, etc.; Dir. Dr. H. HUBER; Curator of Zoology Dept. Dr. H. SÄGESSER; Curator of Entomology Dept. Dr. H. D. VOLKART; Curator of Mineralogy and Geology Dept. Dr. H. A. STALDER; publ. *Jahrbuch des Naturhistorischen Museums.*

Museum Schwab: Biel-Bienne; f. 1865; contains prehistoric exhibits, especially of the lake-dwelling culture, the New Stone Age, the Bronze Age, and the second Iron Age; also a collection of the Roman period (Petinesca); Dir. WERNER BOURQUIN.

Bündnerische Kunstsammlung: Villa Planta, Chur; f. 1900; contains works by Swiss artists, principally Segantini, Giacometti and Angelica Kauffmann; Curator E. HUNGERBÜHLER.

Musée d'art et d'histoire: Fribourg; f. 1823; Curator Dr. MARCEL STRUB; the museum is housed in the following places:

(*a*) Hôtel Ratzé (16th century), rue Pierre-Aeby 227; antiques, furniture, stained glass, sculpture, portraits, Roman, Burgundian and prehistoric collections; Swiss painting and sculpture of the Middle Ages, and 16th and 17th centuries collection of the Duchess of Castiglione-Colonna.

(*b*) Université; gallery of Swiss painting and sculpture of the 19th and 20th centuries; lapidary museum.

(*c*) Bibliothèque cantonale et universitaire; collection of prints.

Collections Baur: 8 rue Munier Romilly, Geneva; founded by Alfred Baur 1944 (Fondation Alfred et Eugénie Baur-Duret Collections), opened to public 1964; ceramics and works of art from China and Japan; Pres. of Foundation GUSTAVE MARTIN; Curator P.-F. SCHNEEBERGER; publ. *Bulletin des Collections Baur.*

Musée d'Art et d'Histoire: rue Charles Galland, Geneva, f. 1910; comprises works by Swiss painters, Italian; French, German and Flemish Primitives, and a special collection of paintings by Hodler; historical section devoted to history and archæology of Geneva and district, and Classical, Egyptian and Near East archæology, plastic and decorative arts and numismatic collection; library of 50,000 vols.; Chief Curator M. PIANZOLA; Curator of Archaeological Collection C. DUNANT; Curator of Decorative Arts M. GAUTHEY; Curator of Numismatic Section N. DÜRR; Curator of Historical Section P. ROUSSET; Curator of Prints C. GEORG; publs. *Geneva* (quarterly), *Les Musées de Genève* (monthly).

Musée et Institut d'Ethnographie de la Ville de Genève: 65-67 Boulevard Carl Vogt, Geneva; f. 1901; contains exhibits from Africa, Asia, Americas, Australia and Oceania, collection of musical instruments and of popular pottery; library of 7,000 vols.; also houses the Société Suisse des Américanistes; Dir. Mme LOBSIGER-DELLENBACH; publs. *Bulletin* (annual) and *Bulletin de la Société suisse des Américanistes.*

Muséum d'Histoire Naturelle: Bastions, Geneva; f. 1811; Dir. Dr. E. DOTTRENS (General Zoology); Curators Dr. V. AELLEN (Vertebrates) Dr. C. BESUCHET (Entomology), Dr. J. J. CALAME (Mineralogy), Dr. ED. LANTERNO (Geology), Dr. G. DE BEAUMONT (Palæontology), Dr. H. GISIN (Arthropods), Dr. E. BINDER (Malacology and Invertebrates); publs. Catalogues des Invertébrés de la Suisse (18 fasc.); Catalogue Illustré de la collection Lamarck I (Fossiles); *Collembolenfauna Europas, Revue Suisse de Zoologie.*

Kunsthaus Glarus: Glarus; f. 1870; 200 mems.; works by Swiss artists, especially Hodler, Amiet, Soldenhoff, Steffan, Morgenthaler, Schynder, Auberjonois, Haller and Hubacher; contemporary sculpture; library of reproductions; Curator FRITZ BRUNNER.

Musée des Beaux-Arts: La Chaux-de-Fonds; f. 1864; comprises paintings and sculpture by Swiss artists, particularly of the Neuchâtel district, and modern European painting, sculpture and tapestries; Dir. PAUL SEYLAZ.

Musée Cantonal des Beaux-Arts: Palais de Rumine, Lausanne; f. 1841 by the painter Marc-Louis Arlaud; collection of works by artists from the canton de Vaud; also works by other Swiss artists, and artists of other European countries; Curator Dr. RENÉ BERGER.

Musée des Beaux-Arts: f. 1862; Le Locle; works by Swiss artists, particularly of the Neuchâtel district; Curator CH. B. JEANNERET.

Museo Vela: Ligornetto; f. 1896 by the Vela family, whose works comprise the basis of the collection, which also includes paintings from old and modern Italian schools (19th century), sketches and drawings; Curator UGO CLEIS.

Musée des Beaux Arts: Lucerne; f. 1872 and transferred to new building in 1933; Swiss art from ancient times to 20th century, with special collection of contemporary works; drawings and water-colours by Lucerne artists; Curator Dr. ADOLF REINLE.

Richard Wagner-Museum: Tribschen/Lucerne; f. 1933; home of Richard Wagner from 1866 to 1872; contains original scores of *Siegfried-Idyll, Schusterlied* (*Meistersinger*), etchings, paintings, busts and the Erard grand piano which accompanied Wagner throughout Europe; also collection of 200 old musical instruments; Pres. of Museum Commission PAUL KOPP; Curator Dr. ROBERT KAUFMANN; publs. *Katalog* (German, French and English), *Tribschener Blätter* (twice a year).

Verkehrshaus der Schweiz (*Swiss Museum of Transport and Communications*): Lidostrasse 5, Lucerne; f. 1960; Europe's largest transport museum; land, water and air, unique early vehicles, engines, working models, diagrams, photographs; headquarters of the Swiss Transport Research Association; Dir. ALFRED WALDIS.

Museo di Belle Arti Fondazione A. Caccia: Villa Ciani, Lugano; f. 1893 by Antonio Caccia; works by artists of the Ticino from 17th to 20th centuries, and by Italian artists including Tintoretto.

Musée des Beaux-Arts: Quai des Beaux-Arts, Neuchâtel; f. 1816; pictures, drawings, prints and sculpture by Neuchâtel and other Swiss artists; French works of 18th and 19th centuries by Courbet, Corot and others; Curator DANIEL VOUGA.

Musée d'Histoire: Neuchâtel; Curator PAUL DE PURY; Curator of Prehistorical Section S. PERRET.

Musée d'Ethnographie: 4, St. Nicolas, Neuchâtel; f. 1790; Curator JEAN GABUS; publ. *Rapport annuel des Musées et Bibliothèques.*

Musée d'Histoire Naturelle: 3 place Numa-Droz, Neuchâtel; f. 1835; Curator ARCHIBALD QUARTIER.

Kunst-und Martin-Disteli Museum: Olten; f. 1845; drawings and paintings by Martin Disteli; paintings, drawings and sculptures by Swiss artists; Curator PAUL MEIER.

Kunstmuseum St. Gallen: St. Gallen; f. 1877; works by 19th- and 20th-century Swiss, French and German painters, with special collection devoted to the art of Eastern Switzerland; Dir. RUDOLF HANHART.

Industrie- und Gewerbemuseum: Vadianstr. 2, St. Gallen; f. 1878; lace, embroideries and printed fabrics of four centuries; Coptic woven fabrics; period and modern textile and costume exhibition; library of 6,000 vols.; Dir. HANS STETTBACHER.

Sturzenegger'sche Gemäldesammlung der Stadt St. Gallen: f. 1926; fine collection of French paintings by Corot, Pissarro, Sisley and others; works by German artists, including Koch, Feuerbach and Spitzweg; representative collection of 19th-century Swiss painting.

Museum zu Allerheiligen: Klosterplatz, Schaffhausen; f. 1928; prehistory, history and art of the Canton of Schaffhausen and district; Dir. Dr. W. U. GUYAN; publ. *Jahresbericht.*

Museum der Stadt Solothurn: Solothurn; f. 1850; works by Swiss and foreign artists from early 15th century onwards, including Hans Holbein, junior, Ribera, Hodler and J. M. Turner; drawings, water-colours and engravings; Curator G. RUEFLI.

Musée Jenisch (*Beaux-Arts et sciences naturelles*), **Le Château** (*Musée historique du Vieux-Vevey*): Vevey; f. 1897; paintings and sculpture by Swiss and foreign artists, including Bocion, Courbet, Canaletto; large summer exhibitions; natural science collections of fauna, minerals, birds, shells, etc.; collection illustrating the folklore and history of the district.

Kunstmuseum: Winterthur; f. 1866; Swiss painting and sculpture from 18th century to present day; French, Italian and German painting and sculpture of 19th and 20th centuries, including Renoir, Bonnard, Maillol, Van Gogh, etc.; drawings; 16th-century stained glass; Curator Dr. HEINZ KELLER.

Kunsthaus: Heimplatz, Zürich; f. 1787; paintings and sculptures by Swiss and foreign artists from antiquity to present day; early German masters, French impressionists; extensive collection covering all branches of graphic art from 15th century onwards; library of 15,000 vols.; Dir. Dr. RENÉ WEHRLI.

Graphische Sammlung der Eidgenössischen Technischen Hochschule: Zürich; f. 1867; collection contains over 100,000 examples of the graphic art of all periods and schools, with special reference to the development of graphic art in Switzerland; Curator Prof. Dr. E. GRADMANN; publs. catalogues covering the work of individual artists and the exhibitions.

Musée et Jardin Botanique: Zürich; f. 1836; collection includes specimens of African flora and a large herbarium; Dir. Prof. Dr. F. MARKGRAF; Curators Dr. J. SCHITTLER, P.D., B. STÜSSI, Dr. O. ROHWEDER; publs. *Mitteilungen aus dem Botanischen Museum der Universität Zürich*, occasional papers, monographs on the flora of Switzerland and New Caledonia, ecology, vegetation, morphology and evolution.

Musée Zoologique de l'Université: 16 Künstlergasse, Zürich; f. 1837; Dir. Prof. H. BURLA.

Institut et Musée de Paléontologie de l'Université: 16 Künstlergasse, Zürich; f. 1956; Dir. Prof. Dr. E. KUHN-SCHNYDER.

Schweizerisches Landesmuseum: Museumstrasse 2, Zürich; f. 1890; exhibits illustrate the history and development of culture in Switzerland from prehistoric times to the 19th century; library of 40,000 vols.; Pres. Dr. EMIL LANDOLT; Dir. Prof. Dr. EMIL VOGT; publs. *Zeitschrift für schweizerische Archäologie und Kunstgeschichte* (quarterly), *Jahresbericht* (annual).

Kunstgewerbemuseum der Stadt Zürich: Ausstellungsstrasse 60, Zürich; f. 1874; architecture, applied arts, industrial and folk art of European and extra-European countries; graphic art collection, poster collection; public library of 56,000 vols.; Dir. Dr. MARK BUCHMANN; Curator Dr. ERIKA BILLETER; Librarian Dr. KURT AKERET.

Museum Rietberg: Seestr. 108, 8002 Zürich; f. 1952; permanent collection; Asiatic art, art of the Americas, primitive arts; E. von der Heydt collection and others; Curator P.-D. Dr. ELSY LEUZINGER.

UNIVERSITIES

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PETERSPLATZ 1, BASLE

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Pro-Rector: Prof. M. IMBODEN.
Secretary: Dr. Iur. A. VEILLON.
Treasurer: G. STURM.
Librarian: Dr. C. VISCHER.

The library contains 1,647,000 vols. and 3,000 valuable incunabula.

Number of teachers: 340.

Number of students: 2,783 men, 709 women, total 3,492.

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Faculty of Theology: Prof. H. OTT.
Faculty of Jurisprudence: Prof. J.-G. FUCHS.
Faculty of Medicine: Prof. M. MONNIER.
Faculty of Philosophy and History: Prof. H. RUPP.
Faculty of Science: Prof. H. ANNAHEIM.

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GEIGER, M., Ecclesiastical History, Dogmatics
JENNI, E., Exegesis
OTT, H., Systematic Theology, Dogmatics
OYEN, H. VAN, Systematic Theology
REICKE, B., New Testament Studies
STOEBE, H.-J., Religious History

Faculty of Jurisprudence:
EICHENBERGER, K., Public Law
FUCHS, J.-G., Roman Law
HAGEMANN, H. R., History of Law
HINDERLING, H., Private Law
IMBODEN, M., Public Law
SPIRO, K., Germanic Law, Private Law
STRATENWERTH, G., Penal Law

Faculty of Medicine:
BERNHARD, K., Physiological Chemistry
BUCHER, K., Pharmacology
CHAPCHAL, G., Orthopædics
GSELL, O., Internal Medicine
HARTWEG, H., Medical Radiology
HEUSSER, H., Urology
HOTTINGER, A., Pædiatrics
KIELHOLZ, P., Psychiatry
KOLLER, F., Internal Medicine
KOLLER, T., Gynæcology and Obstetrics
LÜSCHER, E., Oto-Rhino-Laryngology
MONNIER, M., Physiology
NISSEN, R., Surgery
PFALTZ, C. R., Oto-Rhino-Laryngology
RINTELEN, F., Ophthalmology
SCHUPPLI, R., Dermatology and Venereal Diseases
WERTHEMANN, A., Pathological Anatomy
WOLF-HEIDEGGER, G., Anatomy
ZDANSKY, E., Roentgenology

Faculty of Philosophy and History:
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BOMBACH, G., Political Economics
BONJOUR, E., European and Swiss History
BÜHLER, A., Ethnology
FUCHS, H., Latin Language and Literature
GANTNER, J., History of Arts
HILL, W., Economic Aspects of Enterprise
KAEGI, W., Medieval and Modern History
KAPP, K. W., National Economics
KOLB, E., Old English and Icelandic Philology
MEIER, F., Islamic Studies
MORENZ, S., Egyptology
MUSCHG, W., German Literature
PICHOIS, C., Romance Philology
POPITZ, H., Political Economy
ROSSMAN, K., Philosophy
RUPP, H., German Language and Literature
SALMONY, H., Philosophy
SCHEFOLD, K., Classical Archæology
SCHROEDER, HILDEGARD, Slovak Philology
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WYSS, B., Greek Philology
ZAMBONI, G., Italian Philology

Faculty of Science:
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BALDINGER, E., Physics
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EICHLER, M., Mathematics
ERLENMEYER, H., Inorganic Chemistry
GEIGER-HUBER, M., Botany
GEIGY, R., Histology and Evolution
GROB, C., Organic Chemistry
HABICHT, W., Mathematics
HUBER, H., Mathematics
HUBER, P., Physics
MEYER, K., Pharmacy
PORTMANN, A., Zoology
REICHEL, M., Palæontology
REICHSTEIN, T., Organic Chemistry
VONDERSCHMITT, L., Geology
WENK, E., Mineralogy
WIZINGER, R., Chemistry

UNIVERSITÄT BERN

BERNE

Telephone: 031/236622.

Founded 1834.

(incorporating the Theological School, founded 1528).

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Pro-Rector: Prof. Dr. H. MERZ.
Secretary and Registrar: Dr. R. HEPPELER.
Chief Librarian: Prof. Dr. H. STRAHM.

Number of teachers: 385, including 182 professors.

Number of students: 3,276.

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Faculty of Evangelical Theology: Prof. Dr. G. W. LOCHER.
Faculty of Old Catholic Theology: Prof. Dr. K. STALDER.
Faculty of Jurisprudence: Prof. Dr. R. BÄUMLIN.
Faculty of Medicine: Prof. Dr. A. ZUPPINGER.
Faculty of Veterinary Science: Prof. Dr. H. FEY.
Faculty of Philosophy and Literature: Prof. R. FRICKER.
Faculty of Pure Science: Prof. Dr. W. WEGMÜLLER.

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LOCHER, G., Systematic Theology, History of Dogma and Philosophy
MICHAELIS, W., New Testament Exegesis
QUERVAIN, A. DE, Sociology, Exegesis, French Theology
SCHÄR, A., Systematic Theology
STAMM, J. J., Old Testament Exegesis

Faculty of Old Catholic Theology:
KÜRY, U., Systematic Theology
RÜTHY, A. E., Old Testament Exegesis,
STALDER, K., New Testament Exegesis Homilectics, Catechtics

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TUCHTFELDT, E., Practical Economy

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COTTIER, H., Pathology and Anatomy
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GOLDMANN, H., Optics
HADORN, W., Internal Medicine
HALLAUER, C., Hygiene and Bacteriology
HINTZSCHE, E., Anatomy
KUSKE, H., Dermatology and Venereology
LÄUPPI, E., Legal Medicine
LENGGENHAUGER, K., Surgery
MÜLLER, M., Psychiatry
MURALT, A. VON, Physiology
NEUWEILER, W., Obstetrics and Gynæcology
REUBI, F., Internal Medicine
ROSSI, E., Children's Diseases
WALTHARD, B., Pathology and Anatomy
WILBRANDT, W., Pharmacology
ZUPPINGER, A., Radiology

Faculty of Veterinary Medicine:
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FREUDIGER, U., Pathology
HAUSER, H., Pathology and Anatomy
HOFMANN, W., Stock Breeding
LEUTHOLD, A., Surgery
WEBER, W., Animal Breeding and Hygiene
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DEÉR, J., Medieval History
FRICKER, R., English Language and Literature
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GREYERZ, H. v., Swiss History
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HENZEN, W., German Philology
HOFER, W., Modern History
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UNIVERSITÉ DE FRIBOURG

(State, Catholic and International Institution)

FRIBOURG

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Founded 1889.

Rector: J. BOCHENSKI.
Pro-Rector: E. ISELE.
Secretary: J. VONARBURG.
Librarian: R. WUILLERET.

The library contains over 800,000 vols.

Number of teachers: 140.
Number of students: 2,671.

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Faculty of Law, Economics and Social Sciences: Prof. J.-M. VALARCHÉ.
Faculty of Letters: Prof. H. SCHMIDINGER.
Faculty of Natural Sciences: Prof. E. NICKEL.

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GEIGER, L.-B., Philosophy
GRONER, J. F., Practical Moral Theology
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MEERSSEMAN, G., Ecclesiastical History
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MÜLLER, A., Theology
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VOCAIRE, MARIE-HUMBERT, Ecclesiastical History
WILLIAMS, C., Moral Theology

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FALLER, A., Anatomy
GIOVANNINI, E., Organic Chemsitry
HAAB, P., Physiology
HOURIET, A., Theoretical Physics
HUBER, O., Experimental Physics
KÄLIN, J., Comparative Anatomy, Zoology, Anthropology
KLAUS, J., Geology
KLÉMENT, O., Physical Chemistry
MEIER, H., Botany
NICKEL, E., Mineralogy and Petrography
PIVETEAU, J.-L., Geography
PORTMANN, P., Physiological Chemistry

ASSOCIATED INSTITUTES:

Institute of Missiology: Dir. J. MICHELS.

Institute of Pastoral Theology: Dir. A. MÜLLER.

Institute for Economic and Social Sciences: Dir. J. SCHWARZFISCHER.

Institute for Automation and Operations Research: Dir. E. BILLETER.

Institute of Pedagogy, Orthopedagogy and Practical Psychology: Dir. E. MONTALTA.

Institute of Curative Pedagogy: Dir. E. MONTALTA.

Institute for East European Studies: Dir. J. BOCHENSKI.

Institute for Practical French: Dir. R. ALBÉVÈS.

Institute for Practical English: Dir. J. SMITH.

International Institute of Social and Political Sciences: Dir. A.-F. UTZ.

Institute for Œcumenical Studies: Dir. H. STIRNIMANN.

Seminary for Journalism: Dir. R. POCHON.

UNIVERSITÉ DE GENÈVE

RUE DE CANDOLLE 3, GENEVA

Telephone: 25.22.74.

Founded 1559.

Rector: Prof. C. TERRIER.
Registrars: B. DUCRET, A. CORBOZ.
Librarian: M. A. BORGEAUD.

Library: *see* Libraries.

Number of teachers: 500, including 179 professors.

Number of students: 4,058.

Publications: *Programme, Guide, Catalogue, Dies Academicus.*

DEANS:

Faculty of Science: Prof. M. SAUTER.
Faculty of Letters: Prof. B. GAGNEBIN.
Faculty of Economics and Social Science: Prof. J. L'HUILLIER.
Faculty of Law: Prof. A. BERENSTEIN.
Faculty of Medicine: (Vacant).
Faculty of Protestant Theology: Prof. R. MARTIN-ACHARD.

PROFESSORS:

Faculty of Science:
BENE, G., Hertzian Spectroscopy
BOUVIER, P. B., Astrophysics
BOYMOND, P., Pharmacy

BRÖNNIMANN, P., Paleontology
CHERBULIEZ, Organic and Pharmaceutical Chemistry
CHODAT, F., Botany
ENZ, C., Theoretical Physics
FISCHBERG, M., General Zoology
GALOPIN, R., Mineralogy
GOLAY, M., Astronomy
HAEFLIGER, A., Linear Algebra and Topology
HEER, E., Experimental Nuclear Physics
HUGGEL, H., Comparative Anatomy and Physiology
JAUCH, J. M., Theoretical Physics
KAELIN, A., Statistics
KARAMATA, J., Integral Calculus
KELLENBERGER, E., Biophysics
LACROIX, R., Rational Mechanics
LINDER, A., Mathematical Statistics
LOMBARD, A., Geology
MAEDER, D., Electronics
MIÈGE, Systematic Botany
MIRIMANOFF, A., Pharmacognosy
MONNIER, D., Analytical Chemistry
MONNIER, R., Chemical and Electrochemical Technics
MULLER, EDITH, Astronomy
MULLER, J., Experimental Physics
PETER, M., General Physics
PIAGET, J., Experimental Psychology
POLDINI, E., Geophysics, Oilfields
PONSE, Mlle KITTY, Endocrinology
POSTERNAK, T., Biochemistry
RHAM, G. DE, Analysis and Probabilities
ROSSIER, P., Mathematics
SAUTER, M., Anthropology, Palæontology
STEIN, E., Biochemistry
STUECKELBERG, E., Theoretical Physics
SUSZ, B.-P., Chemistry
TISSIERES, A., Biology
VUAGNAT, M., Mineralogy, Petrography, Prospecting
WYK, A. VAN DER, Chemistry of Colloids

Faculty of Letters:
AUCOUTURIER, M., Slav Language
BÖSCHENSTEIN, B., German Literature
BOUFFARD, P., History of Art
BRÉGUET, Mlle ESTHER, Latin Literature
BURGER, A., Romance Philology
CASTIGLIONE, T. R., Italian Language and Literature
ESTREICHER, Z., Musicology
FOURNET, C., History of French Literature
FREI, H., Linguistics and Oriental Languages
FREYMOND, J., International Contemporary Relations
GAGNEBIN, B., Research Techniques
GODEL, R., Latin Literature
GUILLEMIN, H., History of French Literature
HÄUSERMANN, H.-W., English Language and Literature
HERSCH, Mlle JEANNE, Philosophy
KASSER, R., Oriental Languages
LEYMARIE, J., History of Art
MAYSTRE, C., Egyptology
MONNIER, L., Contemporary and Diplomatic History
MORIER, H., French Philology
POYAN, D., Spanish Language and Literature
REVERDIN, O., Greek Language and Literature
ROUSSET, J., French Literature
ROUSSET, P., Medieval History
SCHAERER, R., Philosophy and History of Philosophy
STAROBINSKI, J., History of Ideas
STELLING-MICHAUD, S., Modern History
TAYLOR, B., History of American Literature
VAN BERCHEM, D., History of Antiquity
(Vacant—Classical Archæology, Pedagogy, History of Religions and Natural History)

Faculty of Economics and Social Science:
BERGIER, J.-F., Social Economy and Economic History
DAMI, A., Historical, Ethical and Political Geography
FÉRAUD, L., Statistics
FOLLIET, P., Commercial Technics
GIROD, R., Sociology
GUICHONNET, P., Human Geography
LAUFENBURGER, H., Public Finance
L'HUILLIER, J., Political Economy and Transport Law
L'HUILLIER, L., Contract Law
MENTHA, G., Industrial Organisation
SOLARI, L., Econometry
TERRIER, C., Commercial Economy
(Vacant—Economics)

Faculty of Law:
BATTELLI, M., General Public Law, Swiss Public and Administrative Law
BERENSTEIN, A., Labour Legislation, Insurance Law
DOMINICÉ, C., Comparative Constitutional Law
FOLLIET, P., Fiscal Law
GRAVEN, J., Penal Procedure and Penal Law
GUGGENHEIM, P., Public International Law
KADEN, E.-H., Roman Private Law, German Civil Law
KAUFMANN, H., German Civil Law
LACHENAL, J.-A., Comparative Civil Law and Private International Law
LALIVE, P., Civil Procedure, Introductory Law, International Private Law
LIEBESKIND, W. A., History of Institutions and Law
MARTIN-ACHARD, E., Patents
PATRY, R., Commercial Law
SCHÖNLE, H., German Commercial Law
VIRALLY, M., Philosophy of Law
YUNG, W., Swiss Civil Law
(Vacant—French Civil Law)

Faculty of Medicine:
AJURIAGUERRA, J. DE, Psychiatry
BAMATTER, F., Pædiatrics and Child Health
BAUD, C.-A., Stomatology and Organogeny
BAUMANN, J.-A., Anatomy
BERNHEIM, J., Legal Medicine
BICKEL, G., Clinical Medicine
CALAME, A., Surgery
DEMOLE, M., Applied Dietetics
DUCHOSAL, P.-W., Cardiology
FALLET, G.-H., Medical Hydrology, and Climatology
FAVARGER, P., Physiological Chemistry
FRANCESHCETTI, A., Ophthalmology
GEISENDORF, W., Gynæcology and Obstetrics
GLASSON, B., Materia Medica
HELD, A. J., Stomatology
JADASSOHN, W.-E., Skin and Venereal Diseases
KLEIN, D., Human Genetics
MACH, R. S., Clinical Therapeutics
MARTIN, E., Clinical Medicine
MONTANDON, A., Oto-Rhino-Laryngology
MOZER, J.-J., Clinical Medicine
MULLER, A.-F., Physiopathology
PATRY, R., Surgery
POSTERNAK, J., Physiology
REGAMEY, R., Medical Microbiology
RENOLD, A., Clinical Biochemistry
ROUILLER, C., Histology and Embryology
RUDLER, J.-C., Clinical Surgery
RUTISHAUSER, E., Pathology
TAILLARD, W., Orthopædics
WATTEVILLE, H. DE, Gynæcology and Obstetrics
WERNER, A., Neuro-Surgery
WEYENETH, R., Urology
(Vacant—Medical Radiology, Neurology)

Institute of Dental Surgery:
BAUD, C.-A., Normal Stomatology
BAUME, L., Conservative Dentistry
CALAME, A., Surgery
FERNEX, E., Dental and Facial Prosthetics
HELD, A.-J., Pathology and Therapeutics of Oral Diseases, Treatment of Fractures of the Jaw, Paradontics, Radiology)
JADASSOHN, W., Dermatology
NALLY, J.-N., Partial Prosthesis
REGAMEY, R., Practical Bacteriology
RUTISHAUSER, E., Pathological Anatomy of the Mouth and of the Dental Tissues
(Vacant—General Radiology)

Faculty of Protestant Theology:
COURVOISIER, J., History
LEENHARDT, F., Exegesis
MARTIN-ACHARD, R., Exegesis
SENARCLENS, J. DE, Dogmatics
WIDMER, G., Dogmatics

Schoolq of Architecture:
BEAUDOUIN, E., Theory of Architecture
BEERLI, A., History of Medieval and Modern Art and Architecture
CALSAT, H., Town Planning
CINGRIA, A., Head of Department
DUNANT, Mlle CHRISTIANE, History of Ancient Art
GAUILLARD, A., Building Supervision
GROSGURIN, C., Elementary Construction
HOLY, J.-C., Geometry and Mathematics
HUMBERT, M., Statics and Resistance
KOENIG, H., Design
LOMBARD, A., Geology
LOZERON, A., Head of Department
REVERDIN, R., Elements of Architecture
SAINI, H., Lighting and Acoustics
SAUGEY, M., Urbanisation
VALENCIEN, J., Financial Methods
VIERNE, A., Architectural Regulations and Legislation
WEBER, M., Drawing

Institute of Educational Science:
BANG, V., Pedagogical Psychology
DUPARC, Mlle GERMAINE, Nursery School Education
INHELDER, Mlle BÄRBEL, Child Psychology
PIAGET, J., Child Psychology
ROLLER, S., Experimental Pedagogy
ROSSELLO, P., Comparative Pedagogy
(Vacant—General Pedagogy, Psychological Methods, Statistics)

OTHER INSTITUTES, ASSOCIATE COLLEGES, AND SCHOOLS

École de Pharmacie: Dir. Prof. P. BOYMOND.

Séminaire de Français Moderne: Dir. G. MEID.

École d'Interprètes: Dir. Prof. S. STELLING-MICHAUD.
A total of 21 languages are taught by 68 teachers at the Interpreters' School.

École pratique de Langue française: Dir. G. MEID.

Institut de Hautes Etudes Commerciales: Dir. Prof. P. FOLLIET.

Institut de Biologie et de Chimie Médicales: 20 rue Ecole de Médecine; Dir. Prof. P. FAVARGER.

Institut d'Education Physique et de Sport: Dirs. Prof. A.-F. MULLER, J. BRECHBUHL.

Institut Universitaire de Hautes Etudes Internationales (*Graduate Institute of Studies*): 132 rue de Lausanne; f. 1927; a research and teaching institution studying international questions from the juridical, political and economic viewpoints.

Director: Dr. J. FREYMOND.

Centre Universitaire d'Etudes Oecuméniques (*Graduate School of Ecumenical Studies*): Château de Bossey, Céligny; Dir. H.-H. WOLF.

Centre d'Etudes Industrielles: 4 Chemin de Conches, Geneva; f. 1946; a post-graduate school of international industrial administration.

Director: P. M. HAENNI, D.SC.
Secretary: R. J. WHITE, M.B.A.
Head of Industrial Training: J.-P. BUCHEL.

Number of teachers: 10.

Centre d'Etudes Orientales: Dir. Prof. C. MAYSTRE.

UNIVERSITÉ DE LAUSANNE

LAUSANNE

Telephone: 021/220031.

Founded 1537.

Rector: Prof. J. DELACRETAZ.
Secretary-General: J. BEGLINGER.
Librarian: J. P. CLAVEL.

Library: *see* Libraries.
Number of teachers: 300.
Number of students: 1,600 men, 600 women, total 2,200.

Publications: *Cahiers de la Faculté de Théologie, Publications de la Faculté des Lettres, Bulletin de l'Institut de Géologie*, also essays and documents on the history of the University.

DEANS:

Faculty of Theology: Prof. H. GERMOND.
Faculty of Jurisprudence: Prof. P. PIOTET.
Faculty of Medicine: Prof. P. B. SCHNEIDER.
Faculty of Letters: Prof. J.-C. BIAUDET.
Faculty of Science: Prof. D. RIVIER.
School of Social and Political Science: Prof. P.-L. PELET.
School of Higher Commercial Studies: Prof. R. GROSJEAN.
School of Pharmacy: Prof. A. GIRARDET.

PROFESSORS:

Faculty of Theology:
BURNIER, E., Apologetics and Contemporary Theology
GERMOND, H., Practical Theology
GRIN, E., Systematic, Dogmatic and Moral Theology
KELLER, C., Old Testament
MAURIS, E., History of Modern Theology
MEYLAN, H., History of the Church and History of Dogma
SENFT, C., Exegesis and Theology of the New Testament

Faculty of Jurisprudence:
BRIDEL, M., General and Swiss Constitutional Law
FLATTET, G., French Civil Law
GILLIARD, F., Commercial Law
MATHYER, J., Forensic Science
NEUMAYER, K., German Civil Law
OULÈS, F., Political Economy, Statistics, History of Economic Facts and Doctrines
PERRIN, G., International Law
PIOTET, P., Civil Law
POUDRET, J.-F., History of Law
RATHGEB, C., Private International Law, Civil Procedure, Penal Law
RIESE, O., Comparative Civil Law
SCHALLER, F., Political Economy
STURM, F., Roman Law
ZWAHLEN, H., Administrative Law, Financial and Social Legislation

Faculty of Medicine:
BUCHER, O., Embryology
CANDARDJIS, G., Medical Radiology
DELACRÉTAZ, J., Dermatology and Venereal Diseases
DOLIVO, M., Physiology and Physiological Chemistry
DUBUIS, P., Obstetrics
GAUTIER, E., Pediatrics
HAUDUROY, P., Bacteriology and Hygiene
ISLIKER, H., Biochemistry
JÉQUIER, E., Internal Medicine
JÉQUIER, M., Neurology
LICHENTHAELER, C., History of Medicine
MERZ, W., Obstetrics and Gynæcology
MULLER, C., Psychiatry
NICOD, J.-L., Pathological Anatomy
NICOD, L., Orthopædics
PETERS, G., Pharmacology
SAEGESSER, F., Clinical Surgery
SCHNEIDER, P.-B., Theoretical and Forensic Psychiatry
STREIFF, B., Ophthalmology
TAILLENS, J.-P., Oto-Rhino-Laryngology
THÉLIN, M. H., Forensic Medicine
VANNOTTI, A., Clinical Medicine
VERDAN, C., Surgery
VULLIET, M., Surgery
WINCKLER, G., Normal Anatomy
ZANDER, E., Neuro-Surgery

Faculty of Letters:
AEBISCHER, P., Romance Language and Literature
BERANGER, J., Ancient History
BIAUDET, J.-CH., Modern History
CASTELNUOVO, E., History of Art
CHIAPPELLI, F., Italian Language and Literature
CHRISTOFF, D., Philosophy
GIDDEY, E., French Language and Civilisation
GUISAN, G., French Language and Literature
JUNOD, L., Swiss and Medieval History
MERCANTON, J., French Literature
ONDE, H., General and Economic Geography
RAPIN, R., English Language and Literature
REGAMEY, C., Slav Literature and Sanskrit
RIVIER, A., Greek Language and Literature
SCHMID, P., Latin Language and Literature
STAUFFACHER, W., German Language and Literature

Faculty of Science:
BADOUX, H., General Geology, Stratigraphy and Geology of Petroleum
BEAUMONT, J. DE, Entomology.
BLANC, C., Differential and Integral Calculus and Applied Mathematics
BRUNISHOLZ, G., Special Mineral Chemistry
COSANDEY, F., General Botany
DAHNS, H., Organic Chemistry
DELESSERT, A., Mathematics
ETTER, J. C., Pharmacy
FAUCONNET, L., Microscopy
FESCHOTTO, P., General Mineral and Analytical Chemistry
GÄUMANN, T., Physical Chemistry
GIRARDET, A., Pharmacy and Toxicology
GUENIN, H., Comparative Zoology
HAENNY, C., Physical Chemistry, Nuclear Physics
IMHOF, J.-P., Calculus of Probabilities
MATTHEY, R., Zoology, Comparative Anatomy and General Biology
METHÉE, P.-D., Mathematics
PELET, P.-E., Vegetal Physiology
POLDINI, E., Geophysics and Technical Petrography
REGAMEY, R., Galenics
RHAM, G. DE, Mathematics
RINDERER, L., Physics
RIVIER, D., Experimental Physics
SIEBENTHAL, J. DE, Higher Geometry
STUECKELBERG, E., Theoretical Physics
VINCENT, G., Mathematics
VITTOZ, B., General Mechanics
WANDERS, G., Mechanics
WOODTLI, R., Mineralogy

School of Social, Political and Commercial Science:
AGUET, J.-P., History of Political Doctrines
AMSLER, M.-H., Mathematics
BOURQUIN, M., Commercial Technique, Book-keeping and Accountancy
CHUARD, P., Financial Mathematics, Technique of Insurance
GOETSCHIN, P., Economics
GOLAY, J., Political and Commercial Economy
GROSJEAN, R., Book-keeping
IFFLAND, C., National Economy
IMHOF, J.-P., Mathematics
JACCARD, P., Psychology and Sociology
MEYNAUD, J., Political Science
PANCHAUD, G., History of Pedagogy, Didactics
PELET, P.-L., Diplomatic History
RIEBEN, H., National Economy and European Problems
SILBERMANN, A., Social Sciences

ASSOCIATE COLLEGES:

École Polytechnique de l'Université de Lausanne: f. 1853.

Director: Prof. M. COSANDEY.
Chief Librarian: E. SCHNITZLER.

Number of professors: 60.
Number of students: 1,100.

I.M.E.D.E. (Institut pour l'Etude des Méthodes de Direction de l'Entreprise) (*Management Development Institute*): 23 Chemin de Bellerive; f. 1957; 8½-month course.

Director: Prof. T. A. GRAVES.
Secretary-General: P. E. JACCARD.

Number of teachers: 7 full-time professors.
Number of students: 60.

UNIVERSITE DE NEUCHÂTEL
NEUCHÂTEL
Telephone: 038/53851.
Founded 1838.

Rector: Prof. C. FARAYER.
Vice-Rector: Prof. M. ERARD.
Secretary-General: M. VERITHIER.

Number of teachers: 120.
Number of students: 1,100.

DEANS:

Faculty of Letters: Prof. J.-B. GRIZE.
Faculty of Science: Prof. W. SOERENSEN
Faculty of Jurisprudence: Prof. F. FISCHBACHER.
Faculty of Theology: Prof. J.-J. VON ALLMEN.

FULL PROFESSORS:

Faculty of Letters:
BAUER, E., General and National History
BLASER, R.-H., German Language and Literature
BOCEL, J.-P., Spanish Language and Literature
BONJOUR, A., English Language and Literature
BRUNNER, F., History of Philosophy
CARDINET, J., Psychology
EIGELDINGER, M., French Language and Literature
ESTREICHER, Z., Musicology
FASANI, R., Italian Language and Literature
GABUS, J., Ethnology and Geography
GÜNTHER, W., German Language and Literature
GUYOT, C., French Language and Literature
LABHARDT, A., Latin Language and Literature
MULLER, PH,. General Philosophy, Psychology
REDARD, G., Linguistics, French Grammar
ROULET, LS. ED., Swiss and General History
RYCHNER, J., Medieval French Language and Literature
SPOERRI, W., Greek Language and Literature
TREHEUX, J., Archæology and Ancient History

Faculty of Science:
AUBER, D., Paleontology, Geography
BADER, R., Mathematics
BAER, J. G., Zoology, Comparative Anatomy
BARGETZI, J.-P., Biochemistry
BERNAUER, K., Inorganic and Analytical Chemistry
BOISSONNAS, CH.-G., Physical Chemistry
DINICHERT, P., Experimental Physics
FAVARGER, C., Botanical Biology
FIALA, F., Mathematics
FORM, W., Metallurgy
GRIZE, J.-B., Logic, History and Philosophy of Science
HEYNERIN, P., Theoretical Physics
JACOT-GUILLERMOD, A., Organic Chemistry
PICCARD, Mlle S., Geometry and Actuarial Science
ROSSEL, J., Experimental Physics
SEHAER, J.-P., Geology, Mineralogy and Petrography
SOERENSEN, W., Mathematics
TERRIER, CH., Cryptogamy, Physiopathology and Bacteriology
ZANGGER, C., Nuclear Physics

Faculty of Jurisprudence and Economics:
AUBERT, J.-F., Constitutional Law
CLERC, F., Penal Law and Procedure
ERARD, M., Social and Political Science, Demography
FISCHBACHER, F. W., Industrial Economy
GRISEL, A., Administrative Law
GROSSEN, J.-M., Civil Law
JEANPRETRE, R., Law of Obligation
JUVET, J.-L., Economics and Statistics
POINTET, P.-J., Property Law
ROSSET, P.-R., Political Economy and Commercial Law
SCHEURER, F., Commercial Economics
THÉVENAZ, H., Elementary Law and International Law
ZWAHLEN, H., Fiscal Law

Faculty of Theology:
BURGER, J.-D., Ecclesiastical History
LEUBA, J.-L., Systematic Theology
MARTIN-ACHARD, R., Old Testament
MENOUD, P., New Testament
RORDORF, W., Medieval Church History
VON ALLMEN, J.-J., Practical Theology

ASSOCIATE COLLEGES:

Seminary of Modern French for Foreigners: number of professors, 8; number of students, 100.
Director: A. ALLEMAND.

Section of Economics, Political and Social Sciences.
Director: P.-R. ROSSET.

UNIVERSITÄT ZÜRICH
ZÜRICH
Telephone: 34 61 34.
Founded 1833.

Rector: Prof. E. SCHWEIZER.
Secretary: E. SPILLMANN.

The library contains 1,000,000 volumes.

Number of teachers: 510.
Number of students: 5,700.

DEANS:

Faculty of Theology: W. BERNET.
Faculty of Law and Politics: J. NIEHANS.
Faculty of Medicine: Prof. O. WYSS.
Faculty of Veterinary Medicine: K. AMMANN.
Faculty of Philosophy—I: Prof. M. WEHRLI.
Faculty of Philosophy—II: Prof. H. STAUB.

PROFESSORS:

Faculty of Theology:
BERNET, W., Psychology of Religion
BLANKE, F., Church History, History of Dogma
EBELING, G., Systematic Theology, History of Dogma-Symbolism
MAAG, V., Old Testament Exegesis, History of Religion
RICH, A., Systematic, Practical Theology
SCHULTZ, S., New Testament
SCHWEIZER, E., New Testament
WILDBERGER, H., Old Testament, General History of Religion

Faculty of Law and Politics:
BADER, K. S., History of Swiss and German Law
BICKEL, W., Statistics, Social Economy, Finance
BÜCHNER, R., Practical Social Economy
FREY, E., Criminal Law and Procedure
GULDENER, M., Civil Procedure, International Private Law
HIGY, C., Finance
KÄFER, K., Economics, Accountancy, Commercial Education
KÄGI, W., Law of Nations, State, Church, and Constitutional Law
KÜNZI, H., Economics
LAUTNER, J., Roman Law, Industrial Law
LUTZ, F., Theoretical, Practical Social Economy
MEIER-HAYOZ, A., Theoretical and Practical Social Economics
NEF, H., Philosophical, State and Administrative Law
NIEDERER, W., International Private Law, Civil Law
NIEHANS, J., Theoretical and Practical Social Economy
OFTINGER, K., Insurance Law, Civil Procedure, Jurisprudence
SCHINDLER, D., Law of Nations and State

Faculty of Medicine:
ACKERKNECHT, E. H., History of Medicine and Biology
AKERT, K., Neurology and Anatomy
BLEULER, M., Psychiatry
BOENI, A., Physical Therapy
BUFF, H.-U., Surgery
DOLDER, E., Dentistry
FRANCILLON, M., Orthopædics
FRICK, P., Internal Medicine-Hæmatology
FRITZ-NIGGLI, H., X-ray Biology
GERBER, A., Dentistry
GROB, M., Children's Surgery
GRUMBACH, A., Bacteriology
HEGGLIN, R., Inner Medicine
HELD, E. R., Gynæcology
HESS, R., Neurology
HITZIG, W., Pediatrics
HORST, W., Radio Therapy, Nuclear Medicine
HOTZ, R., Dentistry
KRAYENBUEHL, H., Neuro-Surgery
LABHART, A., Pathological-Physiology
LANG, F., Casualty Treatment
LEUTHARDT, F., Physiological Chemistry
LINDENMANN, J., Experimental Microbiology
LÜTHY, F., Neurology
LUTZ, J., Psychiatry
MAYOR, G., Urology
MUEHLEMANN, H., Dentistry
OBWEGESER, H., Dentistry
PRADER, ANDREA, Pædiatrics
ROSSIER, P. H., Internal Medicine
RÜEDI, L., Oto-Rhino-Laryngology
RÜTTNER, J., Pathology
SCHÄR, M., Social and Preventive Medicine
SCHWARZ, F., Forensic Medicine
SENNING, A., Surgery
STOLL, W., Psychiatry
STORCK, H., Dermatology and Venerology
THEILER, K., Anatomy
TÖNDURY, G., Anatomy
UEHLINGER, E., Pathology
WASER, P. G., Pharmacology
WELLAUER, J., Roentgenology
WIESMANN, E., Medical Microbiology
WITMER, R., Ophthalmology
WYSS, O., Physiology

Dental Institute:
DOLDER, E., Crowns and Bridges
GERBER, A., Dental Prosthesis
HOTZ, R., Orthodontics
MUEHLEMANN, H., Histology of the Mouth
OBWEGESER, H., Dental Surgery

Faculty of Veterinary Medicine:
AMMANN, K., Surgery and Ophthalmology
ANDRES, J., Obstetrics
GRAF, H., Pharmacology
HESS, E., Bacteriology
LEEMANN, W., Special Pathology and Therapy of Domestic Animals, Parasitology
SEIFERLE, E., Anatomy, Embryology, Histology
SPOERRI, H., Veterinary Physiology
STUENZI, H., Pathology, Pathological Anatomy, Pathological Histology
WINZENRIED, H.-U., Animal Breeding

Faculty of Philosophy—I:
BECK, M., History of the Middle Ages
BEZZOLA, R. R., Romance Philology
BIÄSCH, H., Practical Psychology
BINDER, W., Modern German History
BLOESCH, H., Archæology
BRANG, P., Slavic Philology
DE MAN, P., Comparative Literature
DUBLER, C., Oriental Studies
VON FISCHER, K., Musicology
HAFELE, H., Latin Philology
HAFFTER, H., Classical Philology
HILTY, G., Romance Philology
HOTZENKÖCHERLE, R., German Philology
HUBER, K., Romance Philology
JEDLICKA, G., History of Art
KELLER, W., Philosophy, Psychology
KRAMERS, R., Sinology
LEISI, E., English Philology and Medieval Literature
MEYER, E., Ancient History
MEYER, R., Philosophy
MOOR, P., Pedagogics
MOSER, U., Psychology
VON MURALT, L., Modern History
NIEDERER, A., Folklore
POULET, G., History of French Literature, especially since the French Revolution
REINLE, A., History of Medieval Art
RISCH, E., Indo-Germanic Philology
SCHWARZ, D., History
SILBERSCHMIDT, M., History of Economics
SONDEREGGER, S., German Philology
STAIGER, E., History of German Literature
STRAUMANN, H., English Philology
VOGT, E., Primæval History
WEBER, L., Pedagogics
WEHRLI, F., Classical Philology
WEHRLI, M., History of German Literature
WOODTLI, O., Theory of Intermediate School Teaching

Faculty of Philosophy—II:
BIEGERT, J., Anthropology
BOESCH, H. H., Geography
BRUN, E., Experimental Physics
BURLA, H., Zoology and Ecology
BURRI, C., Mineralogy
CHEN, P. C., Experimental Zoology
DREIDING, A., Organic Chemistry
EUGSTER, C., Organic Chemistry
GANSSER, A., Geology
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LAVES, F., Mineralogy
MARKGRAF, F., Systematic Botany
MEYER, V., Experimental Physics
NIGGLI, A., Crystal Structure Research
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SUTER, K., Terrestrial Geography
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WALDMEIER, M., Astronomy
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TECHNICAL UNIVERSITY

EIDGENÖSSISCHE TECHNISCHE HOCHSCHULE

(Swiss Federal Institute of Technology)

LEONHARDSTRASSE 33,
8006 ZÜRICH

Telephone: (051) 32'73'30.
Telegraphic Address:
Polytechnikum Zurich.

Founded 1855.

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Vice-Rector: Prof. Dr. W. TRAUPEL.
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Librarian: Dr. J.-P. SYDLER.

Library: *see* Libraries.
Graphic Art Collection: *see* Museums.
Number of teachers: 431.
Number of students: 5,154.

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School of Mechanical Engineering: Prof. Dr. P. GRASSMANN.
School of Electrical Engineering: Prof. A. DUTOIT.
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School of Mechanical Engineering:
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OLSEN, J. L., Experimental Physics
OTT, H. H., Elements of Machine Construction
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RUTISHAUSER, H., Applied Mathematics
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WEHRLI, CH., Mechanics
WEINBERG, F., Operation Research
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ZWEIFEL, O., Vehicles and Mechanical Conveying

School of Electrical Engineering:
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BAUMANN, E., Applied Physics
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HENRICI, P., Mathematics
HERSCH, J., Mathematics—in French
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KERN, H., Design Elements for Mechanical and Electrical Engineering
LEUHLOLD, H., Electrical Economy and Power Plants
ROSSEL, P. R., Economics—in French
RUTISHAUSER, H., Applied Mathematics
RUEFF, M., Mathematics—in French
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STIEFEL, E., Applied Mathematics
STRUTT, M., Advanced Electrotechnics
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VOSS, K., Mathematics
WEBER, H., Telecommunications
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WÜRGLER, H., Economics
ZIEGLER, H., Mechanics

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BÜCHI, J., Pharmaceutical Chemistry
BURRI, C., Petrography
BUSCH, G., Physics
DUNITZ, J. D., Chemical Crystallography
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HEILBRONNER, E., Special Organic Chemistry
HOPFF, H., Organic Chemical Technology
HUG, W., Law
IBL, N., Electrochemistry
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KÄNZIG, W., Experimental Physics
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LAVES, F., Crystallography and Petrography
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MARTIUS, C., Biochemistry
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NIGGLI, A., Structure of Crystals
OLSEN, J. L., Experimental Physics
PRELOG, V., Special Organic Chemistry
PRIMAS, H., Special Physical Chemistry
DE QUERVAIN, F., Petrography
ROSSET, P. R., Economics—in French
SCHNEIDER, W., Inorganic Chemistry
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HUG, W., Law
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KERN, H., Special Botany and Plant Pathology
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CRASEMANN, E., Animal Nutrition
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ETTLINGER, L., Microbiology
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FREY-WYSSLING, A., Botany and Plant Physiology
FRITSCH, B., Economics
GANSSER, A., Geology
GRUBINGER, H., Land Reclamation
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GUYER, A., Chemical Technology
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HOWALD, O., Agricultural Management
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JAAG, O., Hydrobiology
KERN, H., Special Botany and Plant Pathology
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BLASER, J.-P., Physics
BURRI, C., Petrography
CAUZETT, R., Geodesy
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FAVRE, H., Mechanics—in French
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GANSSER, A., Geology
GASSMANN, F., Geophysics
GRUBINGER, H., Land Reclamation
GUTERSOHN, H., Geography
HERSCH, J., Mathematics—in French
HOFACKER, K., Structural Engineering
HUG, W., Law
JAAG, O., Hydrobiology
KASPER, H., Photogrammetry
KOBOLD, F., Geodesy and Topography
LAVES, F., Crystallography and Petrography
DE QUERVAIN, F., Petrography
ROSSET, P. R., Economics—in French
ROTACH, M., Traffic Engineering
RUEFF, M., Mathematics—in French
SAXER, W., Mathematics
SCHNITTER, G., Hydraulics and Hydraulic Works
SPIESS, E., Cartography
TANNER, E., Land Reclamation
TRÜMPY, R., Geology

WALDMEIER, M., Astronomy
WEBER, M., Geophysics
WINKLER, E., Regional and Country Planning
ZIEGLER, H., Technical Mechanics
ZWEIFEL, O., Mechanics and Mechanical Engineering

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BALTEUSPERGER, W., Theoretical Physics
BAUMANN, E., Applied Physics
BERG, W. F., Photography
BLASER, J.-P., Physics
BORGNIS, F., High Frequency Technics
BUSCH, G., Physics
DÜTSCH, H. U., Physics of the Atmosphere
ECKMANN, B., Mathematics
FIERZ, M., Theoretical Physics
GASSMANN, F., Geophysics
GRAENICHER, H., Experimental Physics
GÜNTHARD, H. H., Physical Chemistry
HÄLG, W., Reactor Engineering
HENRICI, P., Mathematics
HEPP, C., Theoretical Physics
HERSCH, J., Mathematics—in French
HUBER, A., Mathematics
HUBER, G., Pedagogy
HUBER, P., Mathematical Statistics
JOST, R., Theoretical Physics
KÄNZIG, W., Experimental Physics
KASPER, H., Photogrammetry
KOBOLD, F., Geodesy and Topography
LAVES, F., Crystallography and Petrography
LE ROY, H. L., Biometrics
LINDER, A., Mathematical Statistics
MARMIER, P., Nuclear Physics
NIGGLI, A., Structure of Crystals
OLSEN, J. L., Experimental Physics
PFLUGER, A., Mathematics
PRIMAS, H., Special Physical Chemistry
RUEFF, M., Mathematics—in French
RUTISHAUSER, H., Applied Mathematics
SAXER, W., Mathematics
SCHNEIDER, W., Inorganic Chemistry
SPECKER, E., Mathematics
STIEFEL, E., Applied Mathematics
VOSS, K., Mathematics
WALDMEIER, M., Astronomy
WEBER, M., Geophysics
WEINBERG, F., Operation Research
ZIEGLER, H., Mechanics

School of Natural Science:
ARIGONI, D., Special Organic Chemistry
BACH, R., Soil Science
BALLI, H. M., Geology
BERG, W. F., Photography
BLASER, J.-P., Physics
BOVEY, P., Entomology
BURRI, C., Petrography
BUSCH, G., Physics
CUSTER, W., Regional and Country Planning
DUNITZ, J. D., Chemical Crystallography
ELLENBERG, H., Geobotany
ESCHENMOSER, A., Special Organic Chemistry
ETTLINGER, L., Microbiology
FIERZ, M., Theoretical Physics
FLÜCK, H., Microscopy
FREY-WYSSLING, A., Botany and Plant Physiology
GANSSER, A., Geology
GASSMANN, F., Geophysics
GRANDJEAN, E., Hygiene
GRÄNICHER, H., Experimental Physics
GÜNTHARD, H. H., Physical Chemistry
GUTERSOHN, H., Geography
GUYER, A., Inorganic Chemical Technology
HÄLG, W., Reactor Engineering
HARDEGGER, E., Special Organic Chemistry
HEILBRONNER, E., Special Organic Chemistry
HOPFF, H., Organic Chemical Technology
HUBER, A., Mathematics
HUBER, G., Pedagogy
JAAG, O., Hydrobiology
JEGER, O., Special Organic Chemistry
JOST, R., Theoretical Physics
KÄNZIG, W., Experimental Physics
KASPER, A., Photogrammetry
KERN, H., Special Botany and Plant Pathology
KOBOLD, F., Geodesy and Topography
KUHN-SCHNYDER, E., Palæontology
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LAVES, F., Crystallography and Petrography
LE ROY, H. L., Biometry
LINDER, A., Mathematical Statistics
MARMIER, P., Nuclear Physics
MARTIUS, C., Biochemistry
MÜHLETHALER, K., Electronic Microscopy
NEUKOM, J., Agricultural Chemistry
NIGGLI, A., Structure of Crystals
OLSEN, J. L., Experimental Physics
PRELOG, F., Organic Chemistry
PRIMAS, H., Special Physical Chemistry
DE QUERVAIN, F., Petrography
RUCH, F. Botany, Cytology
SAXER, W., Mathematics
SCHNEIDER, W., Inorganic Chemistry
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Courses in Physical Education:
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Department of General Studies, Section A (Philosophy, Literature, Social Sciences and Economics:):
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GRADMANN, E., History of Art
HOFER, P., Town Planning and Conservation of Monuments
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AFFILIATED INSTITUTES:

Eidgenössische Materialprüfungs- und Versuchsanstalt für Industrie, Bauwesen, und Gewerbe (*Federal Institute for Testing Material and Research*): 8600 Dübendorf, nr. Zürich, and Unterstrasse 11, 9001 St. Gallen.
Directors: Prof. AMSTUTZ (Pres.). Prof. Dr. BRANDENBURGER, Prof. Dr. ENGELER.

Eidgenössische Anstalt für das forstliche Versuchswesen (*Federal Forest Experiment Station*): 8903 Birmensdorf, nr. Zürich.
Director: Prof. Dr. A. KURTH.

Fernheizkraftwerk (*District Heating and Power Station*): Sonneggstrasse 3, 8006 Zürich.
Director: Prof. H. LEUTHOLD.

Versuchsanstalt für Wasserbau und Erdbau (*Laboratory for Hydraulic Research and Soil Mechanics*): Gloriastrasse 37/39, 8006 Zürich.
Director: Prof. G. SCHNITTER.

Eidgenössische Anstalt für Wasserversorgung, Abwasserreinigung und Gewässerschutz (*Federal Institute for Water Supply, Sewage Purification and Water Pollution Control*): Physikstrasse 5, 8044 Zürich.
Director: Prof. Dr. O. JAAG.

Abteilung für Betriebswissenschaftliche Forschung und Beratung des Betriebswissenschaftlichen Instituts (*Research and Advisory Section of the Department of Industrial Management*): Zürichbergstrasse 18, Postfach 8028 Zürich.
Director: Prof. W. F. DAENZER.

Institut für Wirtschaftsforschung (*Institute of Economic Research*): Leonhardstrasse 33, 8006 Zürich.
Director: Prof. Dr. H. WÜRGLER.

Abteilung für industrielle Forschung des Instituts für Technische Physik (*Industrial Research Section of the Department of Applied Physics*): Gloriastrasse 35, 8006 Zürich.
Head: Prof. Dr. E. BAUMANN.

Schweizerischer Erdbebendienst, Annex zum Institut für Geophysik (*Swiss Seismological Service, affiliated to the Department of Geophysics*): Leonhardstrasse 33, 8006 Zürich.
Director: Prof. Dr. F. GASSMANN.

Eidgenössisches Institut für Reaktorforschung (*Federal Institute for Reactor Research*): 5303 Wurenlingen (Aargau).
Directors: Dr. W. ZÜNTI and Dr. A. FRITZSCHE.

COLLEGES

HOCHSCHULE ST. GALLEN FÜR WIRTSCHAFTS- UND SOZIALWISSENSCHAFTEN
(St. Gallen Graduate School of Economics, Business and Public Administration)
ST. GALLEN
Founded 1898.

Rector: Prof. Dr. O. K. KAUFMANN.
Pro-Rector: Prof. F. KNESCHAUREK.
Secretary: W. AEBERLI.

Number of teachers: 110.
Number of students: 1,150.

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Department of Economics and Economic Geography: Prof. Dr. F. KNESCHAUREK.
Department of Jurisprudence: Prof. Dr. O. K. KAUFMANN.
Department of Technology and Natural Sciences: Prof. Dr. W. WEBER.
Department of Languages, History and Philosophy: Prof. Dr. R. TSCHUMI.

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HILL, W., Business Administration
HUNZIKER, W., Tourism
JÖHR, W. A., Economics
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KELLER, T., Economics and Finance
KNESCHAUREK, F., Economics and Statistics
KÜNG, E., Economics and Statistics
NAEGELI, E., Law of Contracts, Commercial Law
NYDEGGER, A., Applied Economics and Statistics
SOOM, E., Econometrics and Operations Research
STEINLIN, P., Insurance
THÜRER, G., German Language and Literature, Swiss History
TSCHUMI, R., English Language and Literature
ULRICH, H., Business Administration
UNGRICHT, J., Psychology and Pedagogy
WALTER, E. J., Sociology
WEBER, W., Chemistry and Chemical Technology
WEINHOLD, H., Business Administration
WINKLER, E., Geography

Faculté de Théologie de l'Eglise Evangélique libre du Canton de Vaud (*Theological College of the Free Evangelical Church of the Canton of Vaud*): 7, Chemin des Cèdres, 1000 Lausanne; f. 1847.

President: Rev. G. DISERENS.
Vice-President: M. GAVILLET.
Dean: Prof. L. RUMPF.
Librarian: J. ALLEMAND.

The library contains 97,000 volumes.

Number of teachers: 8.

PROFESSORS:

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BONNARD, P., New Testament Exegesis and Theology
BRIDEL, CL., Practical Theology II
PETER, E., Church and Dogma History
RUMPF, L., Practical Theology
WIDMER, G., Dogma

Schweizerisches Institut für Auslandforschung (*Swiss Institute of International Studies*): Münstergrasse 9, Zürich.

Executive Director: Dr. A. HUNOLD.
President of the Board: Ständerat Dr. E. VATERLAUS.

PROFESSORS:

BARTH, H., Philosophy
BOESCH, H., U.S.A.
BÜCHNER, R., Economics
KÄGI, W., Public Law
KARRER, P., Chemistry
KELLER, D. A., U.S.A.; European and American Co-operation
LUTZ, F. A., Economics
SILBERSCHMIDT, M., U.S.A.
STEIGER, A., Central and South America; Arabian States
STRAUMANN, H., English and American Literature

Textil- und Modeschule: Vadianstrasse 2, St. Gallen; f. 1878; school of textile design, lace and embroidery, fashion-designing and general training for textile industry attached to Industrie- und Gewerbemuseum; 8 teachers; about 300 students; library of 6,000 vols.

Director: H. STETTBACHER.

PSYCHOLOGY

C. G. Jung-Institut Zürich: Gemeindestrasse 27, Zürich; f. 1948; co-ordinating centre for all activities in the field of analytical psychology as conceived by C. G. Jung; clinical and professional training programme leading to a Diploma; courses of instruction and seminars in German and English for qualified auditors; research section; symbol archives and library.

Curatorium: F. RIKLIN, M.D. (President), F. BAUMANN, LL.D., H. K. FIERZ, M.D., A. GUGGENBÜHL-CRAIG, M.D., LILIANE FREY, PH.D., JOLANDE JACOBI, PH.D., A. ZIEGLER, M.D.
Director of Studies: J. HILLMAN, PH.D.
Secretary: ALICE MAURER.
Publication: Studies from the C. G. Jung Institute.

Number of teachers: 35.
Number of students: 125.

SCHOOLS OF ART AND MUSIC

ART

Ecoles d'art de Genève: 9 Bd. Helvétique, Geneva; Dir. M. FEUILLAT.

Ecole des beaux-arts: 9 Bd. Helvétique; f. 1748; painting, sculpture.

Ecole des arts décoratifs: 15 Bd. James Fazy; f. 1876; industrial art, fashion designing, interior decoration, jewellery designing, decorative painting, enamel and ceramics.

Ecole Cantonale des Beaux-Arts et d'Art appliqué: Avenue de l'Elysée 10, Lausanne; Dir. E. MANGANEL.

MUSIC

Musik-Akademie der Stadt Basel: Basle, Leonhardsstrasse 4-8; f. 1867; Dir. Dr. h.c. P. SACHER.

Number of teachers: 127.
Number of students: Musikschule 2,108, Konservatorium 233, Schola Cantorum Basiliensis 495, total 2,836.

Konservatorium für Musik in Bern: Kramgasse 36, Berne; f. 1858; 105 teachers; library of 25,000 vols.; Pres. Dr. H. WEYERMANN; Sec. R. VON FISCHER; Dir. R. STURZENEGGER.

Conservatoire et Académie de Musique (*Schola Cantorum Fiburgensis*): Fribourg; Dir. A. FORNEROD.

Conservatoire de Musique: Place Neuve, Geneva; f. 1835; organises a yearly International Competition for musical performers which attracts young virtuosi of all countries; Dir. S. BAUD-BOVY; publ. *Bulletin*.

Académie de Musique: Geneva; f. 1886.

Conservatoire de Musique: 6 rue du Midi, Lausanne; f. 1861 under the auspices of the State and of the City of Lausanne; 950 students; Dir. C. HEMMERLING.

Conservatoire de Musique: Neuchâtel; Dir. R. BOSS, pianist.

Konservatorium und Musikhochschule Zürich: Florhofgasse 6, Zürich 1; f. 1876; controlled by the public authorities; professional school, providing comprehensive musical courses for teachers, performers, conductors, composers, leading to State diplomas; department for children and amateurs; about 80 teachers and more than 2,400 pupils and students; Dir. R. WITTELSBACH; publ. *Der Bindebogen* (10-12 numbers per year).

SYRIAN ARAB REPUBLIC

Population 5,307,753

LEARNED SOCIETIES

The Academy of Damascus: Damascus; f. 1919.
President: AMIR MOSTAFA EL SHIHABI.
Secretary: AMIR GAAFAR EL HASANI.

MEMBERS:

Dr. ASAAD EL HAKIM	Dr. AMGAD EL TARABOLSI
SHEIKH BAHGA EL BITAR	Dr. GAMIL SALIBIA
Dr. HOSNI SABAH	SAMI EL DAHAN
Dr. HEKMAT HASHIM	SHAFIK GABRY
Dr. SHOKRY FAYSAL	Dr. SALAH EL DIN EL KAWAKEBI
AREF EL NAKADY	Dr. ADNAN EL KHATIB
EZZ EL DIN EL TANOUKHI	FARES EL KHOURI
Dr. KAMEL AYAD	MOHAMED EL MOBARAK

Goethe Institut: Sharia Adnan Malki, P.O. Box 2750, Damascus; f. 1957; German cultural centre; Dir. Dr. FRIEDRICH SCHEPPER.

Hispanic Cultural Centre: Damascus; Spanish centre.

Institut Français d'Etudes Arabes: Damascus; f. 1928; library of 17,000 vols.; Dir. HENRI LAOUST; Gen. Sec. NIKITA ELISSÉEFF; publs. *Bulletin d'Etudes Orientales* (bi-annually), monographs, translations and Arabic texts.

U.S. Information Center: Seba Bahrat Circle, Damascus.

LIBRARIES

Al Maktabah Al Wataniah (*National Library*): Bab El-Faradj, Aleppo; f. 1924; Librarian YOUNIS ROSHDI.

Damascus University Library: Damascus; f. 1924; 60,000 vols., subscribes to 400 scientific, literary and specialised journals and magazines; Librarian YOUSEF G. ZAKKHOUR; publs. *Conférences Générales* (annual); *Review* (twice yearly), *Faculty of Pedagogy Review*.

Dar al-Koutoub al-Wataniah (*National Library*): Homs.

Dar ul Kutub Al Zahiriah (*National Library*): Damascus; f. 1880; 65,000 vols. 8,000 MSS; Dir. A. HACHEM; Librarians OMAR RIDAH KAHHALEH, A. HASSANI.

Az-Zahiriah (*Library of the Academy of Damascus*): Damascus; f. 1881, attached to the Arab Academy 1919; 60,000 vols.; 10,000 MSS., 20,000 periodicals; Librarian Miss SAMA MAHASIM; publs. *Magazine of Arab Academy* (quarterly).

National Library of Latakia: Latakia; f. 1944; 12,000 vols.; Dir. MOHAMAD ALI NTAYFI.

MUSEUMS

Aleppo Museum: Aleppo; archaeology.

Qasr-El-Azem: Damascus.

Museum Al Zahiriah: Damascus.

National Museum: Syrian University Street, Damascus 4; f. 1919; Details of exhibits: Ancient Oriental, Greek, Roman, Byzantine, Islamic and modern art collections; of special interest is the reconstruction of the Palmyrene Hypogeum of Yarhai (2nd century A.D.), of the Dura Synagogue (3rd century A.D.), and of the Umayyad Qasr El-Hair El-Gharbi (8th century A.D.); houses the Directorate-General of Antiquities, established by decree in 1947 to conserve Syrian antiquities and to supervise the archæological museums and the excavations; Dir. Dr. SELIM ABDUL-HAK; publ. *Les Annales Archéologiques de Syrie*.

Palmyra Museum: Palmyra; f. 1961; archaeological.

UNIVERSITIES

UNIVERSITY OF ALEPPO

ALEPPO

Telephone: 24660-24661.

Founded 1960.

Chancellor: A. OUAIRA.
Rector: T. MOUNAJED.
Registrar: N. ALAFF.
Librarian: Mrs. R. S. ALDEEN.

Number of teachers: 30.
Number of students: 4,782.

DEANS:

Faculty of Engineering: A. Y. AL HASSAN.
Faculty of Agriculture: S. MUGHARBEL.
Faculty of Law: M. JIJAKLI.
Faculty of Commerce: M. S. A. BECK.

PROFESSORS:

AJAN, I., Entomology
BECK, M. S. A., Commercial Account
HAKKI, K. A., Hydraulics, Electrical Power
HAMSANI, A., Commercial Law
HUSSAINI, M., Entomology
ISSA, F., Public Works, Soil Mechanics
JIJAKLI, M. A., International Law
MUGHARBEL, Dr. S., Agricultural Guidance
NAHAL, Dr. I., Forestry and Soil Chemistry
SHBIB, F., Plant Breeding and Statistics
TERMANINI, Dr. A. S., Roman Law

DAMASCUS UNIVERSITY

DAMASCUS

Telephone: 15100.
Telegraphic Address:
Damascus University, Damascus.

Founded 1923.

President: (Vacant).
Vice-President: Dr. S. E. O. PASHA.
General Secretary: Prof. F. SUCCARY.
Registrar: H. HABAL.
Librarian: A. RIFAI.

Number of teachers: 543.
Number of students: 29,156.
Publications: *The University Catalogue, The University Bulletin, The University Series of General Lectures.*

DEANS:

Faculty of Law: Dr. F. CHIBAT.
Faculty of Medicine: Dr. M. CHORRA.
Faculty of Engineering: Dr. A. R. KADOURA.
Faculty of Science: Dr. B. HAZZEH.
Faculty of Letters: Dr. A. AWA.
Faculty of Education: Prof. N. RIFAI.
Faculty of Dentistry: Dr. C. AYOUBI.
Faculty of Islamic Jurisprudence: Dr. Y. ECHE.
Faculty of Business Administration: Dr. N. HAYDAR.

Faculty of Pharmacy: Dr. I. ZEIN.
Faculty of Agriculture: Prof. G. HADADE.
Faculty of Fine Arts: Eng. A.-R. KASSEM.

PROFESSORS:

Faculty of Dentistry:
AYOUBI, Dr. C., Dental Physiology and Histology
KHOURY, Dr. M., Oral Pathology
NASSAR, Dr. D., Oral Surgery
SABRY, Dr. A., Oral Pathology
SAFADI, Dr. N., Orthodontics

Faculty of Education:
AKIL, Dr. F., Psychology
RIFAI, N., Experimental Education
RIKABI, Dr. D., Curricula and Methods
SALIBA, Dr. J., Comparative Education

Faculty of Islamic Jurisprudence:
ECHE, Dr. Y., History of Religions
MOUBARAK, Dr. M., Islamic Tenets and Other Religions

Faculty of Law:
AJLANI, Dr. A., Administrative Law
ANTAKI, Dr. R., Commercial Law
CHIBAT, Dr. F., Public International Law
DIHMAN, Dr. F., Economical Methods
FADEL, Dr. M., Criminal Law and Procedure
GHALI, Dr. K., Constitutional Law
HILWANI, Dr. M., Special International Law
SIBAI, Dr. N., Maritime Law
ZARKA, Dr. M., Civil Law and Commercial and Civil Procedure

Faculty of Letters:
AFGHANI, S., Arabic
AWA, Dr. A., Islamic Philosophy
CHAKHACHIRO, Dr. O., French
FAISSAL, Dr. C., Arabic Literature
HAKIM, O., Physical Geography
ELDINE, Dr. N., Modern History
KHOURY, Dr. M., English
NAMAN, Dr. A., Regional Geography
YAFI, Dr. A. K., Sociology

Faculty of Medicine:
ATTAR, Dr. A., Urological Surgery
BABA, Dr. C., Physiology
BARMADA, Dr. M., Gynæcology and Obstetrics
CHAHINE, Dr. A., Oto-Rhino-Laryngology
CHATTI, Dr. C., Forensic Medicine
CHORRA, Dr. M., Urological Surgery
HAKKI, Dr. I., Gynæcology and Obstetrics
HAKKIM, Dr. S. E., Parasitology
IZZAT, Dr. I., Biochemistry
JABI, Dr. W. K., Histology
KHIAMI, Dr. M., Heart Diseases
LABABIDI, Dr. L., General Surgery
MAHAYNI, Dr. A., Therapeutics
MAHAYNI, Dr. M., General Surgery
MALKI, Dr. M., Internal Medicine
MATT, Dr. F., Anatomy
MISKI, Dr. A. L., Bacteriology
MOURADI, Dr. T., Pathology
MOURIDEN, Dr. I., Therapeutics
OTHMAN, Dr. S., Oto-Rhino-Laryngology
SABAH, Dr. H., Internal Medicine
SABBAGH, Dr. F., Psychiatry and Neuropathology
SABBAGH, Dr. M., Ophthalmology and Ophthalmological Surgery
SAID, Dr. A., Ophthalmology and Ophthalmological Surgery
SAWAF, Dr. W. E., Radiology
SIAGE, Dr. J., Dermatology and Venereology

Faculty of Pharmacy:
BABA, Dr. Z., Pharmaceutics
MAHAMALGY, Dr. R., Pharmaceutical Chemistry
ZEIN, Dr. I., Pharmacology

Faculty of Science:
COUDSI, W., Applied Mathematics
HAKI, Dr. W., Inorganic Chemistry
HAZZEH, Dr. B., Botany
KHOURY, E., Physical Chemistry
KHOURY, Dr. J., Geology
KINANI, M., General Physics
SOWEID, Dr. I., Organic Chemistry
SUWEIDAN, Dr. A. H., Zoology
TANTAWI, Dr. A. G., Pure Mathematics
TARBADAR, Dr. T., Light

ASSOCIATE INSTITUTE

Higher Institute of Social Works: Rawda, Damascus; f. 1962; economic and social studies; Dir. SAMIR DROUBI.

COLLEGES

Aleppo Institute of Music: f. 1955; departments of Eastern and Western music.

Damascus Oriental Institute of Music: f. 1950; departments of Eastern and Western music; aims to revive Arab music and preserve Syrian folk dances and tunes.

Higher Agricultural Institute: Damascus.

Higher Industrial School: Damascus; f. 1964; mechanical and electrical engineering; 120 students.

Higher Polytechnic Institute: Damascus; f. 1961; mechanical, production, automobile, electrical engineering.

UNRWA Teacher Training College: Homs.

TANZANIA

Population 9,864,000

LEARNED SOCIETIES

British Council, The: Independence Avenue, P.O. Box 9100, Dar es Salaam; Rep. M. W. JONES; brs. at Boma Road, P.O. Box 426, Moshi; and P.O. Box 487, Mwanza.

East African Literature Bureau: Tanzania: P.O. Box 1408, Dar es Salaam; Dir. C. G. R. RICHARDS, O.B.E.; Book Production Officer Mrs. M. M. ALDRIDGE.

Goethe-Institut: P.O. Box 2466, Dar es Salaam; f. 1962; Dir. Dr. K. HEIDT.

Tanzania Society, The: Box 511, Dar es Salaam; a non-political society catering for the geographical, ethnological, historical, and general scientific interests of Tanzania; publ. *Tanzania Notes and Records* (bi-annually).

U.S. Information Service: P.O. Box 9170, Independence Avenue/Ingles Street, Dar es Salaam.

RESEARCH INSTITUTES

Forest Department Headquarters: P.O. Box 426, Dar es Salaam; forestry surveying, mapping, management and economics; library of 1,500 vols.; Chief Conservator G. J. KILEO.

Institute of Swahili Research: University College, Dar es Salaam; initiates fundamental research and co-operates with Governments and other public authorities and organisations; promotes the standardisation of orthography and the development of language generally; preparing new standard dictionary; Dir. W. H. WHITELEY; publs. *Swahili* (bi-annual), Supplements.

Livestock Experimental Station: Mpwapwa; also:

Northern Research Centre: Tengeru, Arusha.

Western Research Centre: Ukiriguru, nr. Mwanza.

Central Research Centre: Ilonga, Kilosa.

Southern Research Centre: Nachingwea.

Mineral Resources Division: Ministry of Industries, Mineral Resources and Power, P.O. Box 903, Dodoma; regional mapping, mineral exploration and assessment; supporting laboratory facilities; library of 2,000 books, 250 sets of periodicals; reprints and maps; Asst. Commissioner V. ZACHANKO; publs. *Bulletin, Memoirs, Annual Reports, Geological Maps.*

Sisal Research Station (Mlingano): P.O. Ngomeni; research on sisal cultivation and preparation.

REGIONAL INSTITUTES:

East African Common Services Organisation (formerly The East African High Commission): P.O. Box 30005, Nairobi, Kenya; f. 1961; Sec.-Gen. DUNSTAN OMARI, M.B.E.; Uganda, Kenya and Tanzania participate on an equal partnership basis. Responsibility for the Organisation rests with the:

East African Common Services Authority: composed of the principal Ministers of the three territories, supported by five groups each of three Ministers; one from each territory, one dealing with communications, one with finance, one with commercial and industrial co-ordination, one with research services and one with labour.

The East African Common Services Organisation administers the following research services in Tanzania (*see also* Kenya and Uganda).

East African Marine Fisheries Research Organisation: P.O. Box 668, Zanzibar; f. 1950; research into fishing methods and the migration, feeding and breeding habits of fish of the East African coast; Dir. B. E. BELL; publ. *Annual Report.*

East African Institute of Malaria and Vector-borne Diseases: Amani, Tanga; f. 1949; investigation into human vector-borne diseases, especially malaria and bilharzia; Dir. Dr. G. PRINGLE; publ. *Annual Report.*

East African Institute for Medical Research: P.O. Box 162, Mwanza; f. 1949; investigations into various tropical diseases with emphasis on bilharziasis, and ophthalmological problems in East Africa; Dir. Dr. P. JORDAN; publ. *Annual Report.*

Tropical Pesticides Research Institute: P.O. Box 3024, Arusha; f. 1962; research into tropical pests, including medical and veterinary carriers of disease, insect pests and weeds in agricultural crops; Acting Dir. G. F. BURNETT; publ. *Annual Report.*

LIBRARIES

Agricultural Department Library: P.O. Box 159, Zanzibar; agriculture in general; 1,100 vols., 50 periodicals.

Arnautoglu Library: Dar es Salaam; books in English, Swahili and Arabic.

British Council Library: P.O. Box 9100. Dar es Salaam; 8,500 vols.; Librarian Mrs. M. J. TOWNSON; br. at Moshi, 3,900 vols.; br. at Mwanza 4,700 vols.

Dar es Salaam Community Centre Free Library: Dar es Salaam; 3,000 vols. in Kiswahili and English available for distribution in 85 library boxes throughout the Tanganyika Territory, and by individual postal service from East African Literature Bureau, P.O. Box 1408, Dar es Salaam.

Dar es Salaam Technical College Library: P.O. Box 20571, Dar es Salaam; 16,000 vols.; Librarian YUSUEU M. HATIPU.

Ladha Maghji Indian Public Library: P.O. Box 70, Mwanza; 3,000 vols.; Librarian C. B. VYAS.

Museum Library: P.O. Box 116, Zanzibar; free public lending service; 3,000 vols. and 41 periodicals.

Tanga Library (formerly King George VI Memorial Library): Box 391, Tanga; f. 1958; 16,000 vols. in English, Gujarati, German, French, Italian, Urdu, Arabic and Swahili; Librarian Mrs. MARY E. F. CROWTHER, B.A., L.A.

Tanzania Information Services Library: Dar es Salaam; reference books on Tanzania.

U.S. Information Service Library: Independence Avenue, P.O. Box 9170, Dar es Salaam; books on America; 3,500 vols.; Librarian Mrs. J. E. Markham.

The University College Library: P.O. Box 9184, Dar es Salaam; f. 1961; more than 25,000 vols.; Librarian H. Holdsworth, M.A., F.L.A.

Zanzibar Government Archives: P.O. Box 116, Zanzibar; history and administration; 2,000 vols.; Librarian H. Msoma.

MUSEUMS

National Museum of Tanzania, The: P.O. Box 511, Dar es Salaam; f. 1940 as King George V Memorial Museum, name changed 1963; ethnography, archæology and history; houses the *Nutcracker Man* skull, reputed to be one and three-quarter million years old; also houses reference library; Chair. R. H. Saidi.

Zanzibar Government Museum: P.O. Box 116, Zanzibar; local collection, items relating to exploration in East Africa; library; Archivist and Curator Himid Msoma.

UNIVERSITY AND COLLEGES

UNIVERSITY OF EAST AFRICA

P.O. BOX 410, KAMPALA, UGANDA
Telephone: Kampala 56251.
Founded 1963

Chancellor: Dr. Julius K. Nyerere, M.A., HON.LL.D.
Vice-Chancellor: Y. K. Lule, C.B.E., B.SC., DIP.ED., B.ED. (*acting*).
Registrar: H. Brooks, B.SC.(ECON.), A.C.C.S. (*acting*).

Comprises: Makerere University College (*see* Uganda), the University College (*see* Kenya), and The University College, Dar es Salaam (*see* below).

THE UNIVERSITY COLLEGE

P.O. BOX 9184, DAR ES SALAAM
Telephone: 85221
Founded 1961

Principal: Dr. W. K. Chagula.
Registrar: H. L. Snaith.
Librarian: H. Holdsworth, M.A., F.L.A.

Number of teachers: 31.
Number of students: 210.

Publications: *Calendar, Prospectus, News from the Hill.*

Deans:

Faculty of Law: Prof. A. B. Weston, LL.B., B.C.L.
Faculty of Arts and Social Science: Prof. R. C. Honeybone, M.A.
Faculty of Science: Prof. J. H. Robertson, B.SC., PH.D., F.R.I.C.

Professors:

Griffiths, I. (Biology).
Honeybone, R. C. (Education).
Kimble, D. (Political Science).
Mahood, Miss M. M. (Literature).
Ranger, T. O. (History).
Robertson, J. H. (Chemistry).
Svendsen, K. E. (Economics).
Weston, A. B. (Law).
Whiteley, W. H. (Linguistics).

Commercial School: Dar es Salaam; f. 1965; six teachers.

Dar es Salaam Technical College: P.O. Box 20571, Dar es Salaam.

Kivukoni College: Dar es Salaam; f. 1961; eight-month residential courses for adults in Politics, Economics, History, Sociology, Public Administration and Industrial Relations; controlled by independent governing council and subsidised by the Tanzania Education Trust; Principal Griffiths Cunningham; 70 students.

St. Andrew's Teacher Training College: P.O. Box 143, Korogwe, Tanga Region; Principal H. S. Baxter.

St. Philip's Theological College: Kongwa; f. 1920; the training college of the Dioceses of Central Tanganyika and Southern Victoria Nyanza, and for the Moravian Church in Tanganyika; Acting Principal Rev. David M. Hewetson, TH.L.

Usambara Trade School: Lushoto; f. 1961; 70 students.

THAILAND

Population 29,700,000

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

Applied Scientific Research Organisation: Bangkok; f. 1963; modelled on C.S.I.R.O. of Australia; aims at a Thai staff of over 700; Dir. FRANK NICHOLLS (*a.i.*).

British Council, The: 122-5 Chakrapetr Road, Bangkok; Rep. H. C. BURROW.

Buddhist Research Centre: Wat Benchamabopitr, Bangkok f. 1961; sponsored by Department of Religious Affairs, Ministry of Education; publ. *Pali-Thai-English Dictionary*, vol. 1.

German Cultural Institute: 102/1 Phra Athit Road, Bangkok; Dir. Dr. W. KUENZEL.

Medical Association of Thailand: 3 Silom Street, Bangkok; f. 1921; 3,057 mems.; Pres. Prof. Dr. SONGKRANT NIYOMSEN, M.D., DR.MED.; Hon. Sec. Prof. Dr. SANONG UNAKOL; publ. *Journal*.

Royal Institute (*Royal Institute of Arts and Sciences*): Bangkok; f. 1933; 45 mems.; Vice-Pres. and Acting Pres. PHYA ANUMAN RAJATHON, HON. D.LITT.; Sec.-Gen. LUANG PRAPHAN PHAIRACHPHAK; publ. *Journal of the Royal Institute* (Ratchabandit San).

Siam Society (*formerly* the Thailand Society): 131 Asoka Road, Bangkapi, P.O. Box 65, Bangkok; f. 1904; 1,000 mems. (1965); for the investigation and encouragement of art, science and literature of Thailand and neighbouring countries; publs. *Journals, Natural History Bulletins, Florae Siamensis Enumeratio, Coinage of Thailand, The Thai Peoples, The Orchids of Thailand*; Commemorative publication (2 vols.) for the 50th Anniversary of the Society.

Patron: H.M. KING OF SIAM.

President: H.H. Prince PREM PURACHATRA.

Chairman of Exchange Committee: H.S.H. Prince SUBHADRADIS DISKUL.

Hon. Secretary: LUANG THAVIL SRESPAHNITKARU.

Hon. Librarian: J. J. BOELES.

The library contains 8,000 volumes.

Teachers' Institute: Prachatipat Road, Bangkok; f. 1914; 107,660 mems.; Sec.-Gen. Mr. PRAVES CHANDANAYINGYONG; publ. *Vidyacharya* and *Praja Suksha*.

Thai National Documentation Centre (TNDC): Bangkhen, Bangkok; f. 1964; documentation services to science and industry; Dir. CHUN PRABHAVI VADHANA; Librarian Mrs. CHALERMWAN CHUSUP.

Thai-Bharat Cultural Lodge (f. 1940) and **Swami Satyananda Puri Foundation Library** (f. 1942): 136/1 Siriphongs Road, Bangkok; 450 mems.; the Swami Satyananda Foundation Library contains 5,500 vols.; Hon. Pres. PHYA AUMAN RAJADHON; Hon. Sec. PANDIT RAGHUNATH SHARMA; classes conducted by the Lodge: in Sanskrit and English, PANDIT RAGHUNATH SHARMA, S. N. DAS GUPTA; in Hindi, PANDIT RAGHUNATH SHARMA; in Thai, KARUNA KUSALASAYA; on comparative Indic-Siamic topics, comparative philosophy and religion, exegesis of Hindu scriptures, PANDIT SATYA NARAIN TRIPATHI; publs. *Ramakirti* (English translation of the Thai version of the *Ramayana*), *Speeches and Writings of Swami Satyananda Puri, Life of Mahatma Gandhi* (Thai and English), *Life of Pandit Nehru* (Thai), *Life of Guru Govind Singh* (Thai), *Sex* (Thai), *Inferiority Complex* (Thai), *Spirit* (Thai), *Logic* (Thai), *Buddhist Philosophy* (4 vols., Thai).

Thai Library Association: 242 Sumer Road, Bangkok; publs. *Bulletin, Newsletter*.

U.S. Information Centers:
105 Patpong Road, Bangkok; brs. at Chiengmai, Korat, Songkhla, Udorn and Ubol.

LIBRARIES

Chulalongkorn University Library: Phya Thai Road, Bangkok; 50,000 vols.; Librarian Miss SUTHILAKS AMBHANWONGSE, B.A., M.S.L.S.

Economic Commission for Asia and the Far East Library: Bangkok; Librarian CHINTAMAN GANESH AMBEKAR.

Library of the Kasetsart University: Bangkhen, Bangkok; f. 1943; 16,769 vols.; Librarian Mrs. PRAPAI CHANGCHENKIT.

National Library: Na Phra Thad Road, Bangkok; f. 1905; vols. in library: printed books 191,021, manuscripts 42,395; Chief Librarian TRI AMATYAKUL; Librarian Mrs. MAENMAS CHAVALIT; Chief, Research Section, Miss KULLASAP CHUENROONGROJ; Chief, Printed Book Section, Mrs. CHOOSRI SAWATDISONGKRAM; Chief, Manuscript Section, BOONNARK PAYAKADET; publ. *Wara-San Silapakawn* (Journal of the Fine Arts Dept.).

Neilson Hays Library: 195 Suriwongse Road, Bangkok; f. 1869; Pres. Mrs. P. H. R. MARSHALL; Librarian MOM RAJWONGSE NAPACHARI SIRISINHA.

Thammasat University Library: Bangkok; f. 1933; 82,389 vols., 349 periodicals; Librarian Mrs. CHITTRA PRANICH.

MUSEUM

National Museum: Na Phr-dhart Road, Bangkok; f. 1926; prehistoric implements, bronze and stone sculptures, cloth, clothes, ancient weapons, ancient coins, woodcarving, ceramics, royal chairs and seats, theatrical masks and dresses, etc.; Curator SOMPORN YUPHO; publs. *Album of Art Exhibits*, Vol. I, *National Museum, Bangkok, Plan and Report of the Survey and Excavation of Ancient Monuments in North-eastern Thailand, Thai Culture* series, etc.

UNIVERSITIES

UNIVERSITY OF CHIENGMAI

CHIENGMAI

Founded 1963.

Faculties of Arts, Science, Agriculture, Social Sciences and Pre-Medical Course.

Rector: P. SRIVISAR.

Number of students: 300.

CHULALONGKORN UNIVERSITY

PHYA THAI ROAD, BANGKOK

Telephone: 57932.

Founded 1917.

President: Field-Marshal T. KITTIKACHORN, DR. POL. SC.

Vice-President and Rector: Gen. P. CHARUSATHIRA, DR. POL. SC.

Deputy Rectors: Prof. T. NILANIDHI, M.S., PH.D., Prof. S. VANIJ-VADHANA, M.S., LL.D., Prof. R. SYAMANANDA, M.A., DIP.ED.

Librarian: Assoc. Prof. S. AMBHANWONG, M.S.

The library contains 60,000 volumes.

Number of teachers: 622, including 42 professors.

Number of students: 7,076.

DEANS:

Faculty of Engineering: Prof. P. PATTABONGSE, B.ENG., B.M.E., M.M.E.

Faculty of Arts: Prof. R. SYAMANANDA, M.A.

Faculty of Science: Prof. T. NILANIDHI, M.S., PH.D.

Faculty of Architecture: Prof. M. R. L. HASDIN, B.ARCH., N.C.D.

Faculty of Commerce and Accountancy: Prof. A. KRISHNAMARA, B.A.(COM.).

Faculty of Political Science: Prof. K. UDYANIN, A.S.S., C.P. ADM.

Faculty of Education: Mrs. POONSAPAYA NAVAWONGS, DIP. IN ED., M.A.

PROFESSORS:

Faculty of Engineering:

HONGSKUL, Air Commodore M., Industrial Engineering
KANJANAVANIT, R., Civil Engineering
LATAVALYA, M. R. S., Mining Engineering and Mining Geology
MUKTABANT, C., Civil Engineering
NAKKASEM, S., Industrial Engineering
NGERPAIBOON, W., Mining Engineering and Mining Geology
PATTABONGSE, P., Mechanical Engineering
SALVIDHANNIDES, Lt.-Gen. P., Survey Engineering
SORATHESN, A., Sanitary Engineering

Faculty of Arts:

ANUMAN RAJADHON, P., Thai
KASHEMSRI, M. R. S., Geography, History
NAVAWONGSE, M. L. C., Thai
PURACHATRA, H.H. PRINCE PREM, Modern Languages
SYAMANANDA, R., Geography, History
TONGYAI, N. T., Modern Languages
YOSSUNTHORN, C., Modern Languages

Faculty of Science:

BISALPUTRA, S., Chemical Technology
BONGSADADT, T., Chemistry
BOON-LONG, N., Chemistry
DHARMAPHANIJA, C., Physics
IRASENA NA AYUDHYA, K., Chemistry
KOLAKICHA, B., Physics
NILANIDHI, T., Chemical Technology, Chemistry, Geology
SOMANABHANDHU, P., Physics
SRITANYARATANA, S., Physics
SUWANAKITTI, V., Botany
TANBUNYUEN, S., Mathematics
VAJARAKUPTA, P., Chemistry
VAJROPALA, K., Biology
VANIJ-VADHANA, S., Biology

Faculty of Architecture:

BOONSAITH, T., Architecture
HASDIN, M. R. L., Architecture
RATANA THATSANIYA, C., Fine and Applied Arts
SAILASUTA, S., Architecture
SUKSVASTI, M. C. P., Architecture

Faculty of Commerce and Accountancy:

CHAVALITTAMRONG, B., Commerce
KANTABUTRA, B., Statistics
KRISHNAMARA, A., Commerce

Faculty of Political Science:

KANCHANADUL, P., Law
UDYANIN, K., Government, Social Studies

Faculty of Education:

NAVAWONGS, P., Educational Administration
REANGSUWAN, U., Elementary Education

KASETSART UNIVERSITY

(University of Agriculture)

BANGKHEN, BANGKOK

Telephone: 71026–8, 70798, 72201.

Founded 1943.

Rector: I. CHANDRASTITYA, M.S.

Registrar: P. NA NAGARA, PH.D.

Librarian: Mrs. PRAPAI CHANGCHENKIT, M.A.

The library contains 56,742 volumes.

Number of teachers: 338.

Number of students: 2,346.

DEANS:

Faculty of Agriculture: J. SOONTARASING, M.S.

Faculty of Economic and Business Administration: P. THISYAMONDOL, B.SC., M.A.

Faculty of Fisheries: C. SUVATTI, B.S.

Faculty of Forestry: T. KOMKRIS.

Faculty of Irrigation Engineering: S. VIRATHIAN, B.SC., M.ENG.

Faculty of Veterinary Science: T. TANSANGUAN, G.M.V.C.

PROFESSORS:

BAYAGGHANDANA, N., B.V.SC., M.S., Veterinary Hygiene
KOMKRIS, T., CERT.FOR., PH.D., (HON.), Silviculture
NAGARA, P. NA, LL.B., M.S., PH.D., Mathematics and Statistics
SIDDHIJAI, P., M.S., English
SMITANANDA, P., M.S., D.ED., Agronomy
SOONTARASING, J., M.S., Agricultural Engineering
SUPRICHAKORN, T., M.F., Forestry
SUVATTI, C., B.S., Biology
TANSANGUAN, T., G.M.V.C., Bacteriology and Parasitology
THISYAMOMDOL, P., B.SC., M.A., Economics

UNIVERSITY OF MEDICAL SCIENCES

SIRIRAJ HOSPITAL, DHONBURI, BANGKOK

Telephone: 60101 (Hospital), 61987 (University).

Telegraphic Address: Siriraj Hospital, Thailand.

Chairman of the University Council: Field-Marshal T. KITTIKACHORN.

Vice-Chairman: Prince WAN WAITHAYAKORN (Deputy Prime Minister), Gen. P. CHARUSATHIRA (Deputy Prime Minister).

Rector: J. OSATHANONDH, M.D., DR.MED., D.T.M., D.SC.(MED.).

Secretary-General (Registrar): C. HARINASUTA, M.D., D.SC., D.T.E., PH.D.

Librarian: U. DHUTIYABHODI, B.A., M.S.

The library contains 38,000 volumes.

Number of teachers: 852, including 53 professors.

Number of students: 3,409.

Publications: *University Announcement, Siriraj Hospital Gazette, Chulalongkorn Hospital Medical Journal, Chiengmai Medical Bulletin.*

DEANS:

Faculty of Medicine and Siriraj Hospital: J. OSATHANONDH, M.D., DR.MED., D.T.M., D.SC.(MED.) (HON.).

Faculty of Medicine, Chulalongkorn Hospital: M. L. K. SNIDVONGS, M.B., B.S.

Faculty of Dentistry: S. SIRISINHA, D.D.S., SC.D., F.A.C.D.

Faculty of Pharmacy: C. SOLASACHINDA, PH.D., B.SC.(PHAR.), SC.D.

Faculty of Public Health: S. DAENGSVANG, M.P.H., PH.D., D.T.M.

Faculty of Medical Technology: V. VIRANUVATTI, M.D.

Faculty of Medicine, Chiengmai Hospital: B. MARTIN, M.D., M.P.H.(T.M.).

Faculty of Medical Sciences: S. MONGKOLSUK, M.SC., PH.D.

Faculty of Tropical Medicine: C. HARINASUTA, M.D., D.SC., D.T.M., PH.D.

Faculty of Graduate Studies: S. SKULTHAI, M.D., D.C.H., D.T.M. & H.

PROFESSORS:

BHADRAKOM, S., M.D., PH.D., D.SC.
BUNNAG, K., PH.G., B.S.PHAR., SC.D.
BUNNAG, T., PH.G., B.S.PHAR., SC.D.
CHANDRAPANOND, A., M.D., D.SC.
CHARTIKAVANIJ, M.R.C.S., L.R.C.P., D.T.M. F.A.C.S.

CHARUDILAKA, T., D.D.S.
CHAYABONGSE, C., M.SC.
DAENGSVANG, S., M.P.H., PH.D., D.T.M.
DAVIBHADHANA, B., M.D., PH.D., F.I.C.S.
EUSWAS, C., M.D.
GARNJANA-GOONSCHORN, S., M.R.C.S., L.R.C.P.
JAMUNI, A., M.D.
KANCHANARANYA, D., F.I.C.S.
KETUSINH, O., M.D., DR.RER.NAT., D.T.M., D.SC.
KETUSINH, S., M.D., DR.MED.
MANUNAPICHU, K., PH.D.
MONGKOLSUK, S., PH.D., M.SC.
MUNTARBHORN, S., M.B., B.S., F.R.C.S., D.T.M., F.E.C.S.
NAGARA, L. NA., M.D.
NETRASIRI, A., DR.MED., D.T.M.
NETRASIRI, C., M.D.
NETRAVISESH, V., M.D., M.A., PH.D.
NIYOMSEN, S.-G., M.D., LL.B., DR.MED.
NOBHWONGS, S., D.ENG., B.ARCH.(M.I.T.)
OSATHANONDH, J., M.D., DR.MED., D.T.M., D.SC.(MED.)
POSHAKRISHNA, U., M.D., DR.MED., DR.MED.DENT., F.A.C.S.
PRADATSUNDARASAR, A., M.D., M.O.H.T.M.
PROMADHATTAVEDI, L., M.B., CH.B., L.M.
PURNABHAVANGA, S., M.D., F.I.C.S.
SANGVICHIEN, S., M.D.
SARIATHONG, H., M.D., LL.B.
SATYASNGUAN, F., M.D., F.I.C.S.
SAVANATEMIYA, P., M.B., DIP.STAATS.EXAM., DR.MED.
SILA-ON, E., DIP. IN MED.
SIRISINHA, S., D.D.S., SC.D., F.A.C.D.
SKULTHAI, S., M.D., D.C.H., D.T.M. & H.
SMARNAVANICH, S., D. IN MED.
SMERASUTA, A., M.D., D.M.R.E., F.I.C.S.
SNIDVONGS, K., M.B., B.S.
SOLASACHINDA, C., PH.D., B.SC., SC.D.
SRIBHEN, S., M.D., D.SC.
SUKHAVACHANA, D., M.D., DR.MED.
SURAWONGSE-BUNNAG, T., M.D., D.SC.
TAMTHAI, B., M.D., M.A., D.SC.
TANSATHITAYA, P., M.D., B.CH., B.A.O.
TANSURAT, P., M.D., PH.D., D.SC.
TUCHINDA, C., M.D., D.T.M.
TUMRASVIN, D., M.B., B.S., L.R.C.P., M.R.C.S., D.T.M.
UDHAYANANAG, D., M.D.
VAJRABUKHA, C., M.D., F.I.C.S.
VARAVEJ, B., M.D., F.I.C.S.
VARDHANABUTI, S., M.D., PH.D.
YAMARAT, C., M.D., PH.D.

UNIVERSITY OF THAMMASAT

BANGKOK

Telephone: 23846.

Founded 1933.

Rector: Gen. T. KITTIKACHORN.
Secretary-General: Dr. A. WICHIEN-CHAROEN.
Registrar: Mrs. SA-ARNG SARINDU.
Librarian: Mrs. CHITTRA PRANICH.

Number of teachers: 296.

Number of students: 1,899 full-time, 27,498 part-time.

DEANS:

Faculty of Law: Prof. P. ATTHAKAREE-NIBHON.
Faculty of Commerce and Accountancy: Prof. C. VIMALASIRI.
Faculty of Economics: Prof. S. SUWANA-SUDDHI.
Faculty of Political Science: Prof. T. RANGKAEN.
Faculty of Social Administration: Maj.-Gen. B. MINETRAKINETRA.
Faculty of Liberal Arts: Dr. A. WICHIENGHAROEN.
Institute of Public Administration: Prof. M. HUVAVANDANA.

PROFESSORS:

ARTHAKARIYA NIBHONDA, P., BAR.-AT-LAW, HON. LL.D.
BHANOMYONG, P., BAR.-AT-LAW, D. EN D.
BHAOPICHIT, K., B.A., DIP. IN ED., M.A., DR. ED.
BUNNAG, D., D. en D.
CHAMROON-NETISASTR, L., BAR.-AT-LAW
DHAMRONGNAVASAVASTI, Rear-Admiral T., BAR.-AT-LAW
HUTASINGH, P., LL.B., DR.JUR.
HUVANANDANA, M., BAR.-AT-LAW, M.A., PH.D.
JAYANAMA, D., BAR.-AT-LAW, HON. DR. DIP.
JAYANKURA, M. C. L., Military Academy, Military Staff College
KAMALANAVIN, Admiral S., R.T.N.
KANCHANADUL, P., BAR.-AT-LAW, D. en D.
LADPLIDHAMPRAKHUN, P., BAR.-AT-LAW
LULITANANANDA, V., BAR.-AT-LAW
MAHIDHORN, C. P., BAR.-AT-LAW
MARNAVARAJ SEVI, P., BAR.-AT-LAW
MINETRAKINETRA, Maj.-Gen. B., D. ès L.
NAVYCHAROEN, S., BAR.-AT-LAW, LL.M.
NITISART, PHAISAN P., BAR.-AT-LAW
PERUNAVIN, Maj.-Gen. S., BAR.-AT-LAW, LL.M.
PIBUL SONGRAM, Field-Marshal P., Dip. Ecole Mil. de France, Dip. Ecole Technique d'Artillerie
PRAMOJ, M. R. S., B.A., BAR.-AT-LAW
PRASERT-MANUKITCH, L., BAR.-AT-LAW, M.A.
PRASERT-SUBHAMATRA, K., BAR.-AT-LAW, M.A.
PURACHATRA, Prince PREM, B.A.
RAENKHAM, T., HON. DR. POL. SC. & DIP.
SANG-UTHAI, Y., BAR.-AT-LAW, DR.JUR.
SARAKITCH-PRECHA, L., BAR.-AT-LAW
SARASASNA PRAPHANTHA, P., D. en D.
SRIDHAMMADHIBETSA, C. P., BAR.-AT-LAW
SRIPRIJA, L., BAR.-AT-LAW, LL.B., M.A.
SRIRAJBURUS, L., BAR.-AT-LAW
SUVARNASORN, P., BAR.-AT-LAW
SUVARNASUDDHI, S., D. en D.
THAMMAVIT, V., BAR.-AT-LAW, M.A., PH.D.
TINGSABADH, C., BAR.-AT-LAW, LL.M.
VINICCHAYKUL, S., BAR.-AT-LAW, D. en D.
WICHIENCCHAROEN, A., PH.D.
WIMALASIRI, C., Á.COM.

Mahavidhyalai Silpakorn University (*University of Fine Arts*): Nah Phra-Tat Road, Bangkok; faculties of Painting and Sculpture, Thai Architecture, Decorative Art and Archæology. There is also a School of Dramatic Arts, which teaches dramatic art and music. Rector D. YUPHE; 350 students.

COLLEGES AND INSTITUTES

Bang Saen College: Chonburi Province.

Assumption College of Commerce.

Dusit Construction School: Bangkok.

Technical Institute: Bangkok.

Southern Technical College: Songkla.

Thonburi Technical Institute: Thonburi; f. 1960; 70 teachers; 600 students.

Utainthawai Technical School: Bangkok.

Seato Graduate School of Engineering: Bangkok; f. 1959; open to graduates from all S.E. Asian countries and to a limited number from others; two-year course leading to a Master of Engineering degree; Dean M. E. BENDER, Jr.; number of students (1964–65) 90.

TOGO

Population 1,537,683

LEARNED SOCIETIES AND RESEARCH INSTITUTES

INSTITUT TOGOLAIS DES SCIENCES HUMAINES

B.P. 1002, LOMÉ
Telephone: 24-10
Telegraphic Address: INTSHU
Founded 1960

A Service de Documentation Générale was created in Togo by a decree of 1937, to carry out documentation in museums, archives and scientific collections for the advancement of knowledge and study of problems of interest to the territory and to stimulate and assist works of every kind relating to varied local activities. This service was taken over and expanded by the Institut Français d'Afrique Noire (IFAN) in 1945, to include publication of scientific reports, organisation of exhibitions, courses and conferences, care of ancient monuments and historic sites, encouragement of indigenous artists and craftsmen to preserve authentic local styles, participation in the application of rules concerning excavations and the export of ethnographic objects or indigenous works of art, and protection of fauna and flora. The local centre of IFAN in Togo has been renamed Institut Togolais des Sciences Humaines-Bibliothèque Nationale (INTSHU-BN). Departments of anthropology, archæology, prehistory, history, ethnography, human geography, linguistics, sociology, to be headed by a specialist in each subject, are planned. INSTHU is foremost an institute of folklore and of Negro-African anthropology and documentation.

Director: Kwaovi Gabriel Johnson.

Alliance Française: Lomé; f. 1947.

Association Togolaise d'échanges culturels avec l'étranger (*Togolese Association for cultural exchanges with foreign countries*): Lomé; Pres. Sanvi de Tove (President of the Legislative Assembly); Sec. M. Adossama (Director of Cabinet of the Ministry of Economic Affairs).

Compagnie Française pour le Développement des Fibres Textiles (CFDT): B.P. 6, Atakpamé.

Goethe-Institut: B.P. 914, Lomé; f. 1961; Dir. Dr. K. Heidt.

Institut de Recherches du Coton et des Textiles Exotiques: Station Anie-Mono, nr. Lomé.

Institut de Recherches du Togo (IRTO): B.P. 375, Avenue du General de Gaulle, Lomé; pedology, nutrition, sociology, hydrology, and social sciences; attached to ORSTOM (Office de la Recherche Scientifique et Technique Outre-Mer, Paris).

UN Information Centre: B.P. 911, Lomé.

U.S. Information Center: 11 Avenue des Alliés, Lomé; reading room, library, cultural activities.

LIBRARIES

Bibliothèque Nationale-Institut Togolais des Sciences Humaines: B.P. 1002, Lomé; German and French archives; *c.* 5,500 vols.; Dir. Kwaovi Gabriel Johnson.

Bibliothèque du Ministère de l'Intérieur: Lomé; Librarian Kwaovi Gabriel Johnson.

COLLEGES

Ecole Togolaise d'Administration: Avenue des Alliés, Lomé.

Teacher Training College: Atakpamé; entry by competitive examination; five-year course; State institution.

Teacher Training College: Togoville; entry by competitive examination; five-year course; Roman Catholic institution.

Technical College: Sokodé; apprentice training.

TRINIDAD AND TOBAGO

Population 893,150

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Agricultural Society of Trinidad and Tobago: 27 Henry Street, Port-of-Spain; f. 1894; 582 mems.; Pres. Sir HAROLD ROBINSON; Sec. JOSHUA E. WARD; publ. *Journal* (quarterly).

British Council, The: 25 Queen's Park West, Port-of-Spain; Rep. JOHN MAKIN, M.B.E.; Asst. Rep. DEREK ASPINALL.

Commonwealth Institute of Biological Control: Gordon Street, St. Augustine.

Historical Society of Trinidad and Tobago: 20 Henry Street, Port-of-Spain; Pres. E. E. WILLIAMS; Hon. Sec. and Treasurer E. JOHNSON.

Incorporated Law Society of Trinidad and Tobago: 78 Queen Street, Port-of-Spain; f. 1897; 80 mems.; Pres. A. H. HAMEL-SMITH; Hon. Sec. M. T. I. JULIEN; publ. ***Annual Report.***

Pharmaceutical Society of Trinidad and Tobago: 80 Charlotte Street, Port-of-Spain; f. 1899; 300 mems.; Pres. ALLAN A. GREENE; Hon. Sec. W. E. WILLIAMS.

St. Andrew Society of Trinidad: P.O. Box 331, Port-of-Spain; f. 1934; 205 mems.; Pres. J. C. MURRAY; Hon. Sec. A. E. WATERBURY, PH.D., F.R.I.C.

Southern East Indian Literary and Debating Association: Pres. M. H. SHAH; Hon. Sec. Mrs. G. E. RAMDIN.

Theosophical Society of Trinidad: Eastern Main Road, Guaico; Organising Sec. L. R. KHILLAWAN.

Tobago District Agricultural Society: Scarborough; Pres. Capt. R. H. HARROWER; Sec. Miss S. A. DAVIES.

Trinidad Art Society: Art Centre, French Street, Port-of-Spain; f. 1945; 250 mems.; Pres. DENIS MAHABIR; Hon. Sec. ROBERT ALLFREY.

Trinidad Music Association: Bishop Anstey High School, Abercromby Street, Port-of-Spain; f. 1941; 102 mems.; Pres. Mrs. ROBERT JOHNSTONE, C.B.E.; Hon. Sec. Miss A. McCARTHY.

U.S. Information Center: 2B Marli Street, Port-of-Spain.

LIBRARIES AND MUSEUM

Carnegie Free Library: Harris Promenade, San Fernando; f. 1919; 47,000 vols.; Chair. The MAYOR OF SAN FERNANDO; Librarian Mrs. LYNETTE C. HUTCHIONSON., A.L.A.

Central Library of Trinidad and Tobago (County Library Dept. of the Government): 20 Queens Park East, Port-of-Spain (P.O. Box 547); maintained by annual government grant; 206,000 vols.; Chair. Advisory Board N. J. ROWLATT; Acting Librarian Miss MARJORIE LUMSDEN, F.L.A.

Eastern Caribbean Regional Library: P.O. Box 67, Port-of-Spain; f. 1941; 75,000 vols.; Regional Dir. for East Caribbean S. W. HOCKEY, F.L.A.

University of the West Indies Library: St. Augustine; formerly the Imperial College of Agriculture Library; f. 1926; approx. 37,500 vols., 143,000 unbound pamphlets and periodicals; Senior Asst. Librarian Mrs. A. T. JORDAN, A.L.A., M.S., A.R.C.M. (*see also* under Jamaica).

National Museum and Art Gallery: St. Anne's District, Port-of-Spain; Acting Curator J. A. BULLBROOK.

UNIVERSITY

UNIVERSITY OF THE WEST INDIES

(Trinidad Branch—Faculties of Agriculture and Engineering and a College of Arts and Science).

ST. AUGUSTINE, TRINIDAD

Founded 1960

The University serves Jamaica, Trinidad and Tobago and the British Colonies in the Caribbean.

Chancellor of the University: H.R.H. Princess ALICE, Countess of Athlone, G.C.V.O., G.B.E., V.A.

Vice-Chancellor of the University: P. M. SHERLOCK, C.B.E., LL.D., M.L.C.

Pro-Vice-Chancellor at St. Augustine: H. D. HUGGINS.

Secretary at St. Augustine: H. McE. GIBSON, B.A., A.I.C.S.

Librarian at St. Augustine: ALMA T. JORDAN, M.S., A.L.A., A.R.C.M.

Number of teachers (St. Augustine): 120.
Number of students (St. Augustine): 1,200.
Publication: *Tropical Agriculture* (quarterly).

DEANS (at St. Augustine):

Faculty of Agriculture: P. MAHADEVAN, PH.D.
Faculty of Engineering: K. S. JULIEN, PH.D.
College of Arts and Sciences: R. N. THOMPSON, M.A.
School of Agriculture: J. LAMB, O.B.E., M.SC. (*Director*).

PROFESSORS:

A full professor list will be found in the Jamaican chapter.

INSTITUTES

Eastern Caribbean Farm Institute: Centeno, Arima; opened 1954. The Institute was built with funds provided by the Development and Welfare Organisation and by the Governments of British Guiana, Trinidad, Barbados, the Leeward Islands and Windward Islands. It receives students from all these territories and offers two-year courses in tropical agriculture.

San Fernando Technical Institute: San Fernando, Trinidad; specialises in technical subjects.

Port of Spain Polytechnic Institute: Queen's Royal College, Marval Road, St. Clair; courses in Arts, Natural Science, Economics and Accountancy for London University examinations.

TUNISIA

Population 4,386,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council: c/o British Embassy, Tunis; Representative A. M. Welsh.

Istituto Italiano di Cultura: 99 Ave. de Paris, Tunis; Dir. Prof. Riccardo Averini.

Art and Archæology

Institut National d'Archéologie et Arts (*formerly* Direction des Antiquités et Arts): 4 place du Château, Tunis; library of 7,000 vols.: Prehistory, Punic, Roman, Christian and Islamic history, Architecture, Ethnography; Pres. S. E. H. H. Abdul-Wahab; Dir. H. Sebai; publ. *Notes et Documents*.

The *Institut* comprises the following four departments:

Centre de Recherches Archéologiques et Historiques: Dir. A Mahjoubi.

Service des Monuments Historiques: Dir. S. M. Zbiss.

Direction des Musées: Dir. M. Yacoub.

Centre National des Arts et Traditions Populaires: Dir. M. Fendri.

Institut des Belles Lettres Arabes: 12 rue Djemaa el Haoua, Tunis; f. 1930; cultural centre; Dir. A Demeersеman; publs. *IBLA* (quarterly), various studies.

Mission Archéologique Française en Tunisie: French Embassy, Tunis; Dir. Pierre Cintas; Publs. Sec. Cl. Poinssot, Office: 8 rue M'hamed Ali, Tunis; publ. *Karthago* (quarterly).

Science

Institut National de la Recherche Agronomique de Tunisie: Ariana; f. 1914 as the Service Botanique et Agronomique de Tunisie; library of 9,000 vols.; scientific staff of 21; Dir. A. Essafi; publs. *Annales de l'Institut National de la Recherche Agronomique de Tunisie*, and miscellaneous reprints: *Documents techniques*.

Institut National de Recherches Vétérinaires: Tunis, centre for veterinary research.

Institut National Scientifique et Technique d'Océanographie et de Pêche: Salammbô, near Carthage; f. 1924; zoological collections; library of 20,000 vols.; Dir. Ben Mustapha; publs. *Annales, Bulletin*.

Institut Pasteur: 13 Place Pasteur, Tunis; f. 1893; library of 4,500 vols., scientific staff of 10; Dir. Dr. Amor Chadli; publ. *Archives de l'Institut Pasteur de Tunis* (quarterly).

LIBRARIES

Bibliothèque Nationale de Tunisie: 20 Souk-el-Attarine, Tunis; f. 1883; 500,000 vols. in 72 languages; 6,000 Arabic and oriental MSS.; Conservator Osman Al Kaak; Librarian Mohammad Al Sadek Malek.

Bibliothèque de l'Institut National Scientifique et Technique d'Océanographie et de Pêche: Salammbô, near Carthage; 20,000 vols.; Dir. Ben Mustapha.

Bibliothèque de l'Institut Pasteur: Place Pasteur, Tunis; Librarian Miss E. Lasram.

Central Library: Tunis; 140,000 vols., 40,000 in Arabic.

Tunis Public Library: Tunis; 10,000 vols.

UN Information Library: B.P. 863, Tunis.

MUSEUMS

Musée National du Bardo: Le Bardo, Tunis; f. 1888; contains prehistoric collections, relics of Punic, Greek and Roman art, and ancient and modern Islamic art, largest collection in the world of Roman mosaics; Dir. Abdelaziz Driss; publs. *Catalogue de Musée Alaoui, Thynes: bulletin des Musées Archéologiques de Tunisie, Guide de Musée Alaoui*.

Other Museums under the control of the *Direction des Musées Nationaux:*

Musée du Ribat: Monastir.

Musée Classique de Sousse (*Kasbah*)*:* Sousse.

Musée Islamique du Ribat: Sousse.

Musée des Arts Islamiques (*Dar Hussein*)*:* Place du Château, Tunis.

Musée Lapidaire: Sidi Bou Khrissan, Tunis; Arab.

Musée Antiquarium: Carthage.

Musée Antiquarium: Utique; Punic and Roman.

Musée Antiquarium: El-Djem; Thysdrus.

Musée Lavigerie à Carthage.

Musée de Sfax.

Musée Jardin des Thermes d'Antonin à Carthage.

Musée Jardin du Thophet à Salammbô: Carthage.

UNIVERSITY

UNIVERSITÉ DE TUNIS

94 BOULEVARD DU 9 AVRIL 1938, TUNIS

Telephone: 260-858, 260-932, 260-950

Founded 1960

Pro-Rector: Ahmed Abdesselem.

Number of teachers: 157.

Number of students (1964-65): 5,158.

Faculties:

Faculty of Mathematics, Physics and Natural Sciences.

Faculty of Letters and Human Sciences.

Faculty of Law and Political and Economic Sciences.

"Ez-Zitouna" Faculty of Theology and Religious Science.

Faculty of Medicine.

Attached Higher Schools:

Ecole Normale Supérieure: to train secondary school teachers: Dir. Ahmed Abdesselem.

Ecole Normale des Professeurs Adjoints; Dir. Abdel Majid El Aroui.

Ecole Supérieure de Droit: Dir. MOHAMED MALKI.

Ecole Supérieure d'Etudes Commerciales: Dir. GAETAN BOURQUIN.

ATTACHED RESEARCH INSTITUTES:

Institut de Physique Atomique.

Centre d'Etudes et de Recherches Economiques et Sociales.

Centre de Recherches sur les Problèmes de la Zone Aride.

Institut Bourguiba des Langues Vivantes (Etablissement d'Enseignement Pratique des Langues).

Le Centre Didactique et Audio-Visuel.

COLLEGES

Centre de Hautes Etudes d'Art Dramatique: Hammamet; f. 1965; theatrical techniques, history and sociology of the theatre; Dir. CLAUDE PLANSON.

Ecole National Supérieure d'Agriculture de Tunis: 43 avenue Charles Nicolle, Tunis; f. 1898; library of 7,100 vols.; Dir. HABIB ZEGHONDA; publ. *Bulletin*.

Centre d'Etudes Economiques: Tunis.

Ecole Nationale d'Administration: rue Toarbet el Bey, Tunis.

Ecole des Beaux-Arts de Tunis: Route de l'Armée Nationale, Tunis; f. 1922; architecture and fine arts; Dir. PIERRE BERJOLE; 100 students.

Khaldounia Centre of Modern Languages: Zeitouna Mosque, Tunis; re-opened 1959; studies include Russian, Turkish, Arabic and commercial subjects; Dir. AHMED BELKOPJA, B.A.

TURKEY

Population 29,418,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Birleşmiş Milletler İnsan Haklarini ve Ana Hürriyetleri Sağlama ve Koruma Türk Grubu (*Turkish United Nations Group for the Defence and Protection of Human Rights and Fundamental Freedoms*): Ankara; f. 1946; Chair. Prof. AHMET ESMER; Gen. Sec. Dr. ILHAN AKİPEK; publ. *Insan Haklari* (*Aylik Dergi*), *Insan Haklari Yilligi* 1957, etc.

British Council: 27 Adakale Sokak, Yenişehir, Ankara; Rep. J. B. S. JARDINE, C.B.E.; libraries in Ankara and Istanbul.

British Institute of Archæology at Ankara: Tahran Caddesi 25, Kavaklıdere, Ankara; f. 1948 with the object of furthering archæological research by British and Dominion students or scholars in Turkey; London Office: Room 114, R.T.B. House, Gower Street, W.C.1; library of 3,000 vols.; Pres. The Hon. Sir STEVEN RUNCIMAN, LITT.D., LL.D., F.B.A.; Dir. MICHAEL GOUGH, M.A., F.S.A.; publ. *Anatolian Studies* (annual).

Centro di Studi Italiani in Turchia: Menekse Sokak, 8 (Yenişehir), Ankara; Dir. Prof. GIUSEPPE GARINO.

Cografya Enstitüsü (*Geographical Institute*): Edebiyat Fakultesti, Istanbul University; f. 1933; Dir. SIRRI ERINÇ.

Deutsches Archäologisches Institut: Siraselvi 123, Istanbul-Taksim; Dir. Prof. Dr.-Ing. RUDOLF NAUMANN.

Institut Français d'Archéologie: Istanbul; f. 1930; Dir. EMMANUEL LAROCHE.

Istituto Italiano di Cultura: Mesrutiyet Caddesi, 161, Istanbul; Dir. Prof. LUCIANO PERSELLI.

Maden Tetkik ve Arama Enstitüsü—M.T.A. (*Mineral Research and Exploration Institute*): P.K. 116, Ankara; f. 1935; conducts the Geological Survey of Turkey and evaluates mineral resources; staff of 320 technical personnel; 60,000 vols. in library; Dir.-Gen. Dr. SADRETTIN ALPAN; Dep. Dir.-Gen. MAZLUM ÖGET; publs. *Bulletin*, Monographs, Annual Report.

Milletlerarasi Şark Tetkikleri Cemiyeti (*International Society for Oriental Research*): Türkiyat Enstitüsü, Bayezit, Istanbul; f. 1947; Pres. Prof. FUAD KÖPRÜLÜ.

Netherlands Historical and Archaeological Institute (*Holanda Tarih ve Arkeoloji Enstitüsü*): Istiklâl Cad. 393, Beyoğlu, Istanbul; f. 1958; Dir. Dr. A. A. KAMPMAN; library of 10,000 vols.; Librarian Mrs. H. ALKIM; publ. *Publications de L'Institut Historique et Archéologique Néderlandais de Stamboul, Anatolica.*

Österreichisches Kulturreferat in Istanbul: Istanbul-Tesvikiye, Belvedere Apt. 101/2; Dir. Prof. Dr. J. E. KASPER.

Türk Biologi Derneği (*Turkish Biological Society*): P.K. 144, Sirkeci-Istanbul; f. 1949; 1,000 mems.; Pres. Doc. Dr. H. DEMIRIZ; to promote biological research and to organise lectures, congresses and training courses on biology and nature study; publ. *Türk Biologi Dergisi* (*Acta Biologica Turcica*) (quarterly).

Türk Cerrahi Cemiyeti (*Turkish Surgical Society*): Etibba Odası, Cağaloğlu, Istanbul; f. 1931.

Türk Dil Kurumu (*Turkish Linguistic Society*): Ankara; f. 1932; 750 mems.; 12,000 vols. in library; Pres. AGÂH SIRRI LEVEND; Sec.-Gen. ÖMER ASIM AKSOY; publs. *Türk Dili* (monthly), *Türk Dili Araştirmalari-Belleten* (annual).

Türk Eczacıları Birligi (*Turkish Pharmaceutical Association*): 26 Ortaklar Han, Cağaloğlu, Istanbul; publ. *Türk Eczacıları Birligi Mecmuası* (bi-monthly).

Türk Ekonomi Kurumu (*Turkish Economic Society*): Posta Kutusu 173, Ankara; f. 1939; Gen. Sec. Dr. MUHLIS ETE; publ. *Türk Ekonomisi* (review).

Türk Halk Bilgisi Derneği (*Turkish Folklore Society*): Çemberlitaş, Atik Ali Paşa Medresi 43, Istanbul; f. 1946; Pres. S. Y. ATAMAN; Sec. IHSAN HINÇER.

Türk Hukuk Kurumu (*Turkish Law Association*): Ankara Posta Kutusu 44, Adakale Sokak, 20 Ankara Y. Ş.; f. 1934; publs. *La Turquie* (Vie Juridique des Peuples, Paris), *Türk Hukuk Lugati* (Turkish Law Dictionary).

Türk Jinekoloji Cemiyeti (*Turkish Society of Obstetrics and Gynæcology*): Verem Savaş Derneği Merkezi, Selime Hatun Sokak. P.K. No. 273, Beyoğlu, Istanbul.

Türk Mikrobiyoloji Cemiyeti (*Turkish Micro-Biological Society*): Etibba Odası, Cağaloğlu, Istanbul; f. 1931.

Türk Nörö-Psikiyatri Cemiyeti (*Turkish Neuro-Psychiatrical Society*): Psikiyatri Kliniği, Çapa, Istanbul; f. 1914; 200 mems.; monthly meetings to discuss aspects of neuro-psychiatry; National Congress every two years; Pres. Prof. İHSAN ŞÜKRU AKSEL; Sec.-Gen. Assist. Prof. ÖZCAN KÖKNEL; publs. *Nöso-Psikiyatri Arsivi* (Archives of Neuro-Psychiatry) (quarterly).

Türk Ortopedi Şirürjisi ve Travmatoloji Cemiyeti (*Turkish Orthopaedic Surgery and Traumatology Society*): c/o Orthopaedic and Surgery Clinic, Istanbul University, Istanbul; f. 1939; 200 mems.; Pres. Prof. MÜNIR AHMET SARPYENER; Gen. Sec. Doc. HÜSAMETTIN ALTAV.

Türk Oto-Rino-Larengoloji Cemiyeti (*Turkish Oto-Rhino-Laryngological Society*): c/o Faculty of Medicine, Istanbul University, Istanbul.

Türk Sakatlar Cemiyeti (*Turkish Disabled Society*): Kocamustafapaşa Cad. No. 148, Istanbul; Hon. Pres. Prof. MÜNIR AHMET SARPYENER; Gen. Sec. HALIM DIRI.

Türk Sirfi ve Tatbiki Matematik Derneği (*Turkish Society of Pure and Applied Mathematics*): Istanbul University, Istanbul.

Türk Tarih Kurumu (*Turkish Historical Society*): Ankara; f. 1931; 41 mems.; library of 50,000 vols.; Pres. Prof. ŞEMSEDDİN GÜNALTAY; Gen. Dir. ULUĞ IĞDEMIR; publ. *Belleten* (quarterly).

Türk Tıbbî Elektro Radyografi Cemiyeti (*Turkish Electro-Radiographical Society*): Türk Tıb Cemiyeti, Bursa Sokak, Beyoğlu, Istanbul; f. 1924.

Türk Tıbbî Radyoloji Cemiyeti (*Turkish Radiological Society*): Istanbul.

Türk Tıb Cemiyeti (*Turkish Medical Society*): 201 Anadolu han 1/1, Beyoğlu, Istanbul; f. 1856; 312 mems.; Pres. Dr. KÂZIM İSMAİL GÜRKAN; Sec. Dr. ASIL MUKBIL ATAKAM; publ. *Türk Tıp Cemiyeti Mecmuası, Anadolu Klinigi* (Turkish Medical Journal)

Türk Tıb Tarihi Kurumu (*Turkish Medical History Society*): Tıb Tarihi Enstitüsü, Istanbul University, Istanbul; f. 1938; 56 mems.; library of 15,000 vols.; Dirs. Prof. K. I. GÜRKAN, M.D.; Prof. A. S. ÜNVER, M.D.

Türk Tüberkloz Cemiyeti (*Turkish Tuberculosis Society*): Selime Hatun, Sağlik Sokak, Taksim, Istanbul; f. 1937.

Türk Üroloji Cemiyeti (*Turkish Urological Society*): Türk Tib Cemiyeti, Bursa Sokak, Beyoğlu, Istanbul; f. 1933; 47 mems.; Pres. Dr. FEYZİ TANNER; Sec. Dr. GIYAS KORKUT.

Türk Veteriner Hekimleri Derneği (*Turkish Veterinary Medicine Association*): Saglik Sokak 21-3 Yenişehir, Ankara; f. 1930.

Türkiyat Enstitüsü (*Institute of Turkology*): Istanbul University, Istanbul; f. 1924; carries out research and publishes material on Turkish language, literature, history and culture; library of 20,000 vols.; Dir. Dr. M. CAVID BAYSUN.

Türkiye Akıl Hıfzıssıhhası Cemiyeti (*Turkish Society of Mental Hygiene*): Ankara Caddesi 15, Istanbul; corr. address Bahariye Caddesi 46 Kadiköy-Istanbul; f. 1930; 1,350 mems.; Hon. Pres. Prof. Dr. FAHREDDİN KERİM GÖKAY; Pres. Prof. Dr. IHSAN SÜKRÜ AKSEL; Sec.-Gen. Dr. ERDOĞAN NOYAN.

Türkiye Jeoloji Kurumu (*Turkish Geological Society*): Posta Kutusu 512, Ankara; f. 1946; 436 mems.; library of 5,000 vols.; Pres. Prof. H. N. PAMIR; Sec.-Gen. Dr. M. AYAN; publ. *Türkiye Jeoloji Kurumu Bülteni*.

Türkiye Kimya Cemiyeti (*The Chemical Society of Turkey*): İmam Sokak No. 22, Kat 1-Beyoğlu, Istanbul (Posta Kutusu 829); f. 1919; 962 mems.; Pres. Chem. Eng. NEDIM DENIZTEKIN; Vice-Pres. Chem. Eng. HADI TAMER; Sec. Chem. Eng. Ç. TURHAN ÖZALP; Treas. Chem. Eng. ŞEVKET ÖZTÜZER; publ. *Kimya ve Sanayi* (Chemistry and Industry).

U.S. Information Centers:
42 Mithat Paşa Caddesi, Yenişehir, Ankara.
Istiklâl Caddesi 132-134, Beyoğlu, Istanbul.
186 Atatürk Bulvarı, Izmir.

Yeni Felsefe Cemiyeti (*The New Philosophical Society*): Işık Lisesi, Nişantaşı, Istanbul; f. 1943.

LIBRARIES

Ankara University Library: the main library has 65,500 vols.; there are also separate faculty libraries, with a total of over 357,100 vols.; Dir. ZEKERİYA ERDAL.

Atıf Efendi Library: Istanbul; f. 1741; 7,000 vols., 2,800 MSS.

Beyazit Library: Istanbul; f. 1882; 45,000 vols. in European languages, 11,000 vols. in Oriental languages, 9,000 MSS. in Persian, Arabic and Turkish; dır. by Ministry of Education.

Damat Ibrahim Paşa Library: Nevsehir; f. 1727; 5,500 vols., 600 MSS.

Fatih Mosque Library: Istanbul; f. 1742; 4,000 vols., over 6,000 MSS.

Gedik Ahmed Paşa Library: Afyon; f. 1785; 20,000 vols.

General Library of İzmir: Inönü Bulvarı, No. 39, İzmir; f. 1912; 36,000 vols. in European languages, 12,000 vols. in Oriental languages, largely Turkish; over 1,500 MSS.; dir. by the Ministry of Education.

Halil Hamit Paşa Library: Isparta; f. 1783; 6,000 vols., over 850 MSS.

Halil Nuri Bey Library: Bor; f. 1932; 12,000 vols., nearly 500 MSS. in Persian, Arabic and Turkish.

Halkevi Library: Ankara; f. 1935; 20,000 vols.

Hisar Salepçioglu Library: İzmir; f. 1775; 7,000 vols., over 900 MSS.

Hüsrev Paşa Library: Eyup; f. 1839; 6,500 vols., over 300 MSS.

Istanbul University Library: Istanbul-Bayezit; the main university library contains 170,000 vols. and 17,750 MSS.; Librarian (Vacant); in addition, each faculty possesses its own specialised library.

Köprülü Library: Istanbul; f. 1677; 3,000 vols., 3,000 MSS.

Library of the Grand National Assembly: Palais de la Grande Assemblée Nationale, Ankara; f. 1920; 43,500 vols. in Turkish, 49,400 vols. in European languages, 400 vols. in Arabic; Librarian S. NAZMI COSKUNLAR.

Library of the Institute of Education: Ministry of Education, Ankara; f. 1926; 1,400 vols. in Turkish, 6,000 vols. in European languages.

Library of the Mineral Research and Exploration Institute: P.K. 116, Ankara; 60,000 vols. in various languages.

Library of National Defence: Ankara; f. 1877; 8,678 vols. in Turkish, 5,820 vols. in other languages; State-governed.

Library of the Institute of Turkology: Istanbul University, Bayezıt; f. 1924; over 20,000 vols. relating to Turkish language, literature, history and culture.

Library of the Oecumenical Patriarchy: Istanbul; foundation dates from beginning of Patriarchy; 8,000 vols. in main library, and a large number of important MSS.; 45,000 vols. in branch library at Heybeliada; dir. by the Holy Synod.

Mehmet Paşa Library: Darende; f. 1776; 4,000 vols., 800 MSS.

Middle East Technical University Library: 24 Müdafaa Caddesi Yeni Şchir, Ankara; f. 1957; art and architecture collections; growing collections in other fields; maintains custody of the university's recording, microfilm and projection equipment; 10,000 vols.; 500 periodicals received; Dir. W. W. BENNETT.

Millet Library: Istanbul; f. 1700; 17,000 vols., over 13,000 MSS.

Millî Kütüphane (*National Library*): Yenişehir, Ankara; f. 1946; 436,204 vols., 58,969 periodicals; provides facilities for artistic and scientific research; Dir. ADNAN ÖTÜKEN; publ. *Türkiye Bibliografyasi* (Turkish National Bibliography), *Türkiye Makaleler Bibliografyasi* (Bibliography of Articles published in Turkish periodicals), *Yabanci Dil Eserler Bülteni* (Bulletin of Foreign books added to Turkish libraries); *Türkiye Kütüphaneleri Rehberi* (Directory of the Turkish Libraries), *Millî Kütüphane Haberleri* (News Bulletin of the National Library).

Murat Molla Library: Istanbul; f. 1775; 4,000 vols., 5,000 MSS.

Nuruosmaniye Library: Istanbul; f. 1755; 6,000 vols., 5,000 MSS.

Public Library: Ankara; f. 1922; 21,000 vols. in Turkish, 10,200 vols. in European languages, over 1,200 MSS. in Arabic and Persian.

Public Library: Konya; f. 1947; 20,000 vols., over 6,000 MSS.

Ragib Paşa Library: Istanbul; f. 1762; 4,958 vols., 2,200 MSS.

Rasit Efendi Library: Kayseri; f. 1792; 6,000 vols., over 1,000 MSS.

Robert College Library: Bebek P.K.8, Istanbul; f. 1863; 80,000 vols. in English and other languages, including special collection on the Near East; Librarian LEE A. FONGER.

Selimiye Library: Edirne; f. 1575; 6,500 vols., over 1,300 MSS.

Süleymaniye Library: Istanbul; 22,000 vols., over 32,000 MSS. in Turkish, Arabic and Persian.

Technical University Library: Istanbul Teknik Üniversitesi, Merkez Kütüphane Müdürlüğü, Gümüşsuyu Caddesi 87, Beyoğlu; f. 1795; the Central Library of the Technical University, containing 28,307 vols.; the faculty libraries contain 25,946 vols.; Librarian Naci Yüngül.

Tekelioğlu Library: Antalya; f. 1924; 5,000 vols., nearly 2,000 MSS. in Persian, Arabic and Turkish.

Ulucami Library: Bursa; f. 1787; 8,000 vols., over 1,300 MSS.

Vatan Library: Balıkeşir; f. 1901; 828 MSS. in Turkish, Arabic and Persian, 13,841 vols. in Turkish and Arabic, 1,186 in other languages.

Veliyuddin Library: Istanbul; f. 1761; 4,000 vols., 3,500 MSS.

Yegen Mehmet Paşa Library: Akseki; f. 1926; 6,000 vols.

There are 165 public libraries throughout Turkey.

MUSEUMS

Arkeoloji Müzesi (*Archæological Museum*): Ankara; f. 1923; among the antiquities at present exhibited are the Hittite monumental remains found throughout Turkey; when the 15th-century Ottoman buildings are restored, they will house prehistoric Anatolian exhibits, including collections from the excavations of Ahlatlibel, Alişar, Boğazköy, Alacahöyük, Karaoğlan, Bitik, Kültepe, Çatal Hüyük, Hacılar, Can Hasan, Gordion and Polatlı, with special section for the Hittite Cuneiform tablets and coins; library of 3,516 vols.; Dir. Raci Temizer; Librarian Sevim Aktan.

Arkeoloji Müzesi (*Archæological Museum*): Kulturpark, Izmir; classical and prehistoric exhibits.

Ayasofya (Saint Sophia) Museum: Istanbul; f. 1934; the Museum is housed in the Byzantine Basilica; built by Justinian and dedicated in A.D. 537, it was a church until 1453, after which it became a mosque; in 1934 it was made a state museum; contains Byzantine and Turkish antiquities; library of over 6,000 vols. and 5,000 MSS.; Dir. Feridun Durimtekin. The Director of the Museum of St. Sophia is under the Minister of Education, and is in charge of the following Byzantine monuments:

- Kariye Church of St. Saviour in Khora.
- Fethiye Church of the Virgin Pammakaristos.
- Fehari Işa, Church of the Monastery of Lips.
- Imrahor, Church of the St. John Stoudion.
- Church of St. Irene.
- Tekfursarayı, Palace of Constantine Porphyrogenitos.
- Mosque of Bodrum, Church of Myrrelaion.

Ethnographical Museum: Ankara; f. 1927; specimens of Turkish and Islamic art, archives and Islamic numismatics 3,500 vols. in library; Dir. Enise Yener.

Hatay Museum: Antakya, Hatay; collection of mosaics from Roman Antioch, also finds from Al-Mina, Atchana, Çatal Hüyuk, Judeidah and Tainat excavations; Dir. Suheyla Keskil.

Istanbul Arkeoloji Müzeleri (*Archæological Museums of Istanbul*): f. 1869; first collection of antiquities started by Field-Marshal Fethi Ahmed Paşa in 1847; Dir. Necati Dolunay. The museums comprise:

The Museum of Classical Antiquities: containing prehistoric, Greek, Roman, Byzantine antiquities.

Eski Şark Eserleri Müzesi (*Museum of Oriental Antiquities*): f. 1917; contains Sumerian, Assyrian, Hittite, Phrygian, Parthian, Egyptian and Himyarite antiquities.

Mozaik Müzesi (*The Museum of Mosaics*): contains mosaics belonging to the Great Palace of the Byzantine Emperors.

Yedikule Müzesi (*The Museum of the Seven Towers*): an ancient castle of Byzantine and Turkish times, now established as a museum.

In addition there are departments of coins and medals, cuneiform tablets, photography, plaster casts, chemical laboratories, and a library.

Konya Museums: Konya; 1. Mevlâna: founded in Mevlâna Turbeh—Seljuk and Turkish collections, clothing, carpets, weapons, coins, library. 2. Classical Museum: founded in new classical museum—collections of Neolithic, Hittite, Phrygian, Greek, Roman and Byzantine monuments; 3. Turkish Ceramics Museum: founded in Karatay Medresseh—contains ceramics of the 13th–18th century; 4. Seljuk Museum: founded in İnce Minare—contains stone and wooden works of the Seljuk period; 5. Ethnography Museum: founded near Mevlâna Museum—contains typical Konya clothing and historical carpets; 6. Sirçali Medresseh—Sarcophagus and inscription, collections of Seljuk and Ottoman period; 7. Atatürk Museum—collections of documents and objects connected with Atatürk. Director of Museums Necati Elgin.

Pergamon Museum: Bergama; the historical relics discovered as the result of excavations conducted at Pergamon are stored here; Dir. Osman Bayatlı.

Topkapı Palace Museum: Istanbul; palace built by Mohammed II; collections of Turkish armour, cloth, embroidery, tiles; glass and porcelain, copper- and silverware, treasure, paintings, miniatures, illuminated manuscripts, royal coaches; 18,000 MSS. in the library; Dir. Tahsin O. Öz; Asst. Dir. M. Lütfü; under the same administrative control is:

Museum of Turkish and Islamic Art: Istanbul; fine collection of Turkish rugs and MSS.; Dir. Flif Naci.

Türkiye Askeri Müzesi (*Museum of the Janissaries*): Istanbul; f. 1726; military uniforms, weapons and trophies from the earliest times; Dir. Col. Şevki Aslan.

UNIVERSITIES

ANKARA ÜNİVERSİTESİ
(University of Ankara)

ANKARA

Telephone: 13176.

Founded 1946. Existed first as separate faculties.

Rector: Prof. I. Doğramacı.
Secretary to the University: M. Üçdoğan.
Personnel Director: C. Erkin.
Registrar: L. Erdem.
Treasurer: T. Üstünel.
Director of University Library: Z. Erdal.

Number of teachers: 533.
Number of students: 13,980 men, 4,041 women, total 18,021.

Deans:

Faculty of Letters: M. Akdağ.
Faculty of Science: S. Saracoğlu.
Faculty of Law: H. Fişek.
Faculty of Medicine: B. Onul.
Faculty of Veterinary Medicine: S. Doğuer.
Faculty of Agriculture: C. Tariman.
Faculty of Theology: N. Cağatay.
Faculty of Political Science: S. Bilge.

Professors:

Faculty of Letters:
Akdag, M.
Akder, N., Philosophy
Akurgal, E., Archæology
Akyüz, K., Turkish Language and Literature
Alagöz, C., Political Geography
Alp, S., Hittitology
Altundağ, Ş., Turkish History
Balkan, K., Sumerology
Baykal, B. S., Modern History
Bediz, D., Economic Geography
Cağatay, S., Turkish Language and Literature
Demircioğlu, H., Ancient History
Dereli, H., English Language and Literature
Erdentug, N.
Erzi, A., History
İnalcik, H., History
İnan, A., Ancient History
İzbirak, R., Physical Geography and Geology
Kansu, S. A., Anthropology and Ethnology
Karal, E. Z., Recent History
Kerman, L., French Language and Literature
Köktem, I. K., Anthropology and Ethnology
Köymen, M. A., History of Philosophy
Kurat, A. N., Russian Language and Literature
Önen, Y., German Language and Literature
Özgü, M., German Language and Literature
Özgüç, N., Archæology
Özgüç, T., Archæology
Şahinbaş, I., English Language and Literature
Sayili, A., Philosophy
Şenyürek, M., Anthropology and Ethnology
Sinanoğlu, Samian, Classical Philology
Sinanoğlu, Suat, Classical Philology
Tuncel, B., French Language and Literature

Faculty of Science:
Ankara, S. A., Experimental Physics
Bagda, H.
Bekman, A. R., General Chemistry
Birand, H., Botany
Dener, H., General Physics
Dikmen, C., General Chemistry
Domanic, F., Experimental Physics
Görgen, A. R., Chemistry
İlgüz, N., Geology and Mineralogy
Karabağ, T., Zoology
Nasuhoğlu, R., Experimental Physics
Okay, M., Applied Chemistry
Okay, S., Zoology
Saracoğlu, S., General Chemistry
Süray, S., Geometry
Tanyel, B., Physics
Tolunay, M., Zoology
Yurtsever, B., Mathematical Analysis

Faculty of Law:
Akipek, J.
Arsel, I.
Ayiter, K., Roman Law
Berki, F., Private International Law
Berki, S., Civil Law
Bilge, A. N., Civil Law
Erem, F., Criminal Law, Legal Psychology
Erginay, A.
Esener, T., Civil Law
Fişek, H., Special International Law
Gürsoy, A. K., Civil Law
Koloğlu, M., Economics and History of Economic Doctrines
Oğuzoğlu, H. C., Civil Law, Roman Law
Topçuoğlu, H.
Üçok, C., Political and Diplomatic History
Zarakolu, A., Economics

Faculty of Medicine:
Adasal, R., Psychiatry
Akçay, M.
Akin, H., Surgery
Akkaynak, S., Chest Diseases
Aktan, H. S., Gastroenterology
Ari, N., Physiotheraphy
Aşar, E., Radiology
Atasagungil, M., Biochemistry
Ayral, N., Surgery
Bumin, O., Surgery
Burad, E., Oto-Rhino-Laryngology
Canat, E., Physiopathology
Canga, S., Obstetrics and Gynæcology
Demirağ, B., Pediatrics
Doğramaci, I., Pediatrics
Duruman, A.
Eranil, N., Pathological Anatomy
Erman, M., Internal Medicine
Göksan, T., Histology and Embryology
Gördüren, S., Ophthalmology
Günalp, I., Urology
Gürün, S.
Karasu, N., Phthisiology
Köksal, M., Pathological Anatomy
Mutlu, K., Histology, Embryology
Odar, I. V., Anatomy
Oktay, S., Internal Diseases
Onul, B., Infectious Diseases
Örgen, C.
Öztürel, A., Forensic and Social Medicine
Payzin, S., Dermatology and Venereal Diseases
Saribaş, Ş. Y., Neurology
Serav, K., Urology
Sökmen, C., Internal Diseases
Tanay, S., Pathological Anatomy
Tanman, M. A., Radiology
Tat, L.
Titiz, İ., Internal Diseases
Togyar, O., Surgery
Ülker, M., External Diseases
Ünsal, G., Psychiatry
Urak, G., Surgery
Ural, Z. F., Hygiene

Faculty of Veterinary Medicine:
Akman, S.
Altan, Y.
Aritürk, E., Animal Technology
Artun, B. S., Surgery
Aygün, S., Hygiene, Bacteriology
Başkaya, H., Bacteriology and Contagious Diseases
Batu, S., Zootechnics
Berkmen, L., Hygiene, Bacteriology
Doğuer, S., Anatomy
Erençin, Z., Histology, Embryology
Erk, H.
Erkol, M., Physiology
Ertürk, Ö.
Gültekin, M., Anatomy
Güralp, N., Parasitology and Helminthology
Gürtürk, S., Bacteriology and Epedemiology
Kural, Ş., Anatomy
Mimioğlu, M., Parasitological Diseases
Noyan, A., Physiology
Öktel, N., Pharmacology, Toxicology
Öktem, B., Obstetrics and Gynæcology
Oytun, H. S., Parasitology
Pamukçu, M.
Sengir, E., Pathology
Tüzdil, N., Protozoology and Parasitology
Yalki, S. N., Internal Diseases

Faculty of Agriculture:
Akuän, A., Oenology
Alkan, B., Plant Pathology
Aran, S., Landscape Gardening
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Çağlar, K. O., Soils
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Demirtaş, H., Field Machinery
Düzgünes, O.
Düzgünes, Z., Plant Pathology
Eker, M., Zootechnics
Eralp, M., Dairy Husbandry
Eşberk, T., Fibre Technology
Evliya, H., Plant Nutrition
Gökçora, H., Agronomy
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Kansu, S., Animal Nutrition
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Köşker, Ö.
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Özbek, N., Plant Nutrition and Soil Fertility
Özbek, S., Fruit Culture
Sönmez, N., Culture Techniques
Tariman, Ç., Industrial Crops
Tarman, Ö., Forage Crops, Pasture Crops, Irrigation Practice, Land Reclamation
Tekeli, S. T., Industrial Agriculture
Tosun, O., Agronomy

USLU, M., Landscape Gardening
YARKIN, İ., Zootechny
YAZICIOĞLU, T., Oenology

Faculty of Theology:
BİRAND, K., Philosophy and Logic
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LÜGAL, N., Classical and Oriental Languages
ÜLKEN, H., Philosophy and Logic
YETKİN, S. K., History of Islamic Arts

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ESMER, A. S., Political History and International Political Relations
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Telephone: 1209.

Founded 1957.

Rector: E. HIZALAN.
General Secretary: T. OLGUN.

Library of 70,000 volumes.
Number of teachers: 140.
Number of students: 889.

DEANS:

Faculty of Agriculture: H. KISAKÜSEK.
Faculty of Science and Letters: G. AKINCI.
Agricultural Research Institute: Ö. BAYKAK (Director).
East Anatolian Research Institute: H. IPEKTEN (Director).

EGE ÜNİVERSİTESİ
(Aegean University)

BORNOVA, IZMIR

Telephone: 29144.

Founded 1955.

Rector: Prof. C. SARAÇ.
General Secretary: (Vacant).

Number of teachers: 335.
Number of students: 1,650.

DEANS:

Faculty of Medicine: Prof. N. AKGÜN.
Faculty of Agriculture: R. ADAM.
Faculty of Science: Prof. R. GELDIAY.

İSTANBUL ÜNİVERSİTESİ
(Istanbul University)

BAYEZIT, ISTANBUL

Telephone: 224320.

Founded 1453; reorganised in 1927 and 1933.

Rector: Ö. C. SARC.
Secretary-General: S. TURAN.

Number of teachers: 577, including 157 professors.
Number of students: 23,052.

DEANS:

Faculty of Literature: Prof. Dr. V. TURHAN.
Faculty of Economics: Prof. Dr. M. OLUÇ.
Faculty of Law: Prof. Dr. N. ŞENCOY.
Faculty of Medicine: Prof. Dr. H. Z. KONURALP.
Faculty of Science: Prof. Dr. A. SENGÜN.
Faculty of Forestry: Prof. Dr. S. INAL.

PROFESSORS:

Faculty of Literature:
ALKIM, U., Middle Eastern Languages and Literature
ARAT, R., History of the Turkish Language
ARDEL, A., Geography
ASLANAPA, O., Æsthetics and History of Arts
ATEŞ, A., Arabic Philology
BAYSUN, C., History
BULUC, S., Toxicology
CAFEROĞLU, A., Turcology
DARKOT, B., Turkish Geography
ERALP, V., Systematic Philosophy
ERİNG, S., Geography
GLAZIER, E., English Literature
GÖKBERK, M., History of Philosophy
GÖKBILGIN, T., History
HART, C. W., Anthropology
IZ, F., Medieval Turkish Literature
KAPLAN, M., Modern Turkish Literature
MAHL, B., Pedagogy
MANSEL, A. M., Archæology
SCHEJA, G., Æsthetics and History of Art
ŞEMIN, R., Pedagogy
SIYAVUŞGIL, S., Psychology
TANPINAR, A. H., Modern Turkish Literature
TARLAN, A. N., History of Old Turkish Literature
TOGAN, Z. V., Turkish History
TUKİN, C., Contemporary History
TURHAN, M., Experimental Psychology
TURHAN, V., English Literature
WILLIAM, D. G., English Literature
YINANÇ, M. H., Medieval History

Faculty of Economics:
BARDA, S., General Economics and Economic Theory
BARKAN, Ö. L., Economic History and Economic Geography
CILLOV, H., Statistics
DARKOT, B., Economic History and Economic Geography
DIKMEN, O., Finance and Financial Law
ERGIN, F., General Economics and Economic Theory
FEYZIOĞLU, B., Finance
FINDIKOĞLU, F. Z., Sociology and Political Science
FURGAÇ, H., Statistics
KUBALI, H. N., Constitutional Law
OLUÇ, M., Business Administration
ONAR, S. S., Administrative Law
ÖZGÜR, F., Business Administration
SARICA, R., Administrative Law
SUVLA, R. Ş, General Economics and Economic Theory
TUNA, O., Sociology and Political Science
TURKOĞLU, A., Political History and Political Geography
ÜLGENER, S., Economics and Finance

Faculty of Law:
ARSEVAN, H., Maritime and Aerial Law
BARKAN, Ö. L., History of Turkish Law
BELİG, M., Public International Law
ÇAĞIL, O. M., Introduction to Law and Philosophy of Law
CROZAT, C., Public International Law
DAVRAN, B., Comparative Civil Law
DÖNMEZER, S., Criminal Law and Procedure
DÜRAN, L., Administrative Law
ERMAN, S., Criminal Law and Procedure
FINDIKOĞLU, Z., Sociology
KORAL, R., Civil Law
KUNTER, N., Criminal Law and Procedure
ONAR, S. S., Administrative Law
POROY, R., Mercantile Law and Law of Insurance
POSTACIOĞLU, İ., Civil Procedure and Bankruptcy
RADO, T., Roman Law
SARC, C., Statistics
SARICA, R., Administrative Law
ŞENCOY, N., Criminal Law and Procedure
SEVİĞ, M. R., Private International Law
VELİDEDEOĞLU, H., Civil Law
VERSAN, V., Administrative Law

Faculty of Medicine:
ABAOĞLU, C., Internal Diseases
ALPSOY, C., Children's Surgery and Orthopædics
ARISAN, K., Gynæcology
ARTUNKAL, S., Pharmacology and Therapeutics
ATA, P., Dental Diseases and Therapy
BARLAS, O., Internal Diseases
BELGER, L., Dental Prosthetics
BERGER, M., Pediatrics
BERKTIN, K., Phthisiology
BİLHAN, N., Internal Diseases
ÇETİNGİL, A. İ., Internal Diseases
CLARA, M., Histology
DAYOĞLU, K., Psychiatry
DOGRUER, F., Dental Prosthetics
DORKEN, N., Surgical Diseases
GARAN, R., Pharmacology and Therapeutics
GORBON, B., Surgical Diseases
GÜRKÂN, S. İ., Dental Diseases and Therapy
IRMAK, S., Physiology
KARATAY, S., Oto-Rhino-Laryngology
KERIMOĞLU, S., Neurology
KONURALP, H. Z., Surgery
KORKUD, G., Urology
MANIZADE, D., Surgery
NOYAN, F., Anatomy
OKYAY, O., Orthodontics
SABAR, I., Phthisiology
SAKA, O., Physiopathology
SARPYENER, A. M., Child Surgery and Orthopædics
SEZER, N., Ophthalmology
TAGAY, S., Dental Surgery
TARCAN, B., Surgical Diseases
TAVAT, S., Pharmacology and Therapeutics
TERZIOĞLU, M., General Physiology
TULUS, R., Analytical Chemistry and Toxicology
TUMAY, S. B., Pediatrics and Children's Diseases
TURHAN, B., Pathological Anatomy
UNAT, E., Parasitology
ÜNVER, S., History of Medicine
VELİCANGİL, S., Hygiene
YALGIN, H., Forensic Medicine
YALIM, Z. R., Hygiene
YEMNI, O., Dermatology
YENEN, E., Gynæcology
YENSON, M., Biochemistry

Faculty of Science:
AKDIK, S., Pharmacobotany
AKPINAR, S., Experimental Physics
ALPAR, S. R., Industrial Chemistry
ARF, C., Higher Algebra
BAYKAL, F., Geology and Palæontology

Benel, H., General Physics
Berkem, A. R., Physical Chemistry
Biran, L., Mathematics
Breusch, L., Chemistry
Constable, F. H., Physical Chemistry
Erdem, B., General Chemistry
Ermin, R., Zoology
Giz, F. Ş, Zoology
Gökdoğan, N., Astronomy
Hasman, M., Botany
Keskin, H., Biochemistry
Okay, A. C., Geology
Özdoğan, I., Physics
Pamir, H. N., Geology and Palæontology
Şemin, F., Geometry
Şengün, A., Zoology
Seyhan, M., General Chemistry
Sokollu, A., Experimental Physics
Terem, H. N., Industrial Chemistry
Terzioğlu, N., Mathematics
Tunakhan, S., General Physics
Ulusoy, E., General Physics
Yeniçay, F., General Physics
Zuber, K., Experimental Physics

Faculty of Forestry:
Acatay, Dr. G., Forest Entomology and Preservation
Berkel, Dr. A., Wood Technology and Utilisation
Eraslan, I., Forest Policy and Management
Erdem, R., Forest Entomology and Protection
Erkin, K., Geodesy
Firat, Dr. F., Forest Economics
Hus, S., Forest Products Chemistry
İlkmen, Dr. S. N., Economics
Inal, S., Forest Policy and Management
Irmak, Dr. A., Ecology and Forest Soils
Kayacik, H., Forest Botany
Saatçioğlu, Dr. F., Silviculture
Tavşanoğlu, Dr. F., Forest Administration

İSTANBUL TEKNİK ÜNİVERSİTESİ
(Technical University of Istanbul)

GÜMÜŞSUYU CADDESİ 87,
BEYOGLU, İSTANBUL

Telephone: 482250.

Founded 1773.

Rector: S. Kuran.
General Secretary: E. R. Uluç.
Librarian: N. Yüngül.

Number of teachers: 299, including 51 professors.
Number of students: 2,918.
Publications: *Bulletin, Istanbul Teknik Üniversitesi Dergisi.*

DEANS:

Faculty of Civil Engineering: Prof. M. İnan.
Faculty of Architecture: (Vacant).
Faculty of Mechanical Engineering: Prof. H. Binark.
Faculty of Electrical Engineering: Prof. M. Ülgür.
Faculty of Mining Engineering: Prof. M. Sayar.

PROFESSORS:

Faculty of Civil Engineering:
Berkman, A. F., Building Management
Berkman, E., Railways
Engen, N., Water Hydraulics
Göze, İ. H., Distribution and Purification of Water
Horninger, H., Descriptive Geometry
İnan, İ., Reinforced Concrete
İnan, M., Resistance of Materials
Nalbantoğlu, R., Economics, Business Administration
Peynircioğlu, H., Soil Mechanics and Foundations
Türkmen, A., Timber and Steel Construction
Umar, F., Roads and Communication
Yarar, R., Reinforced Concrete and Higher Resistance
Yaşar, S., Topography, Geodesy

Faculty of Architecture:
Dilgan, H., Higher Mathematics
Gökdoğan, M., Building Construction
Kuran, S., Reinforced Concrete
Söylemezoğlu, K., Building Construction
Verzone, History of Architecture

Faculty of Mechanical Engineering:
Berker, R., Mechanics
Binark, H., Motors
Çuhadar, N., Technology
Duscio, F., Power Engineering
Görgün, K., Steam Engines and Turbines
İleri, H., Elementary Mechanics
Narter, F., Heating Technics
Nutku, A., Naval Architecture
Sağişman, M., Testing Materials
Terzioğlu, F., Aeronautical Construction
Weyrich, R., Higher Mathematics

Faculty of Elcetrical Engineering:
Boduroğlu, T., Electrical Machines and Influences
Gürmen, H., Electrical Measurement and Applied Electricity
Karafakioğlu, B., Telephones and Telegraphs
Sepen, C., Industrial Application of Electricity
Serdaroğlu, N., Chemistry

Faculty of Mining Engineering:
Civaoğlu, İ., Chemistry
Ketin, İ., Stratigraphy and Tectonics
Kürkçüoğlu, N., Physics
Sayar, M., Geology
Schumacher, F., Ore Deposits

KARADENIZ ÜNİVERSİTESİ
(Black Sea University)

TRABZON

Founded 1963.

ORTA DOGU TEKNİK ÜNİVERSİTESİ
(The Middle East Technical University)

24 MUDAFAA CADDESI,
YENIŞEHIR, ANKARA

Telephone: 134456-60.

Founded 1956.

Rector: Dr. K. Kurdaş.
Registrar: D. Illez.
Librarian: W. W. Bennett.

The library contains 31,316 volumes.
Number of teachers: 341.
Number of students (1964-65): 3,165.

DEANS:

School of Administrative Sciences: A. Payaslioğlu, doç. dr.
School of Architecture: A. Kuran, m.arch.
School of Engineering: M. Parlar, ph.d.
School of Arts and Sciences: E. Inönü, ph.d. (acting).

PROFESSORS:

Baysal, B., Chemistry
Enüslün, V., Chemistry
Gürsoy, F., Physics
Inönü, E., Physics
Ordemir, I., Civil Engineering
Tokay, M., Mining Engineering
Tolun, R., Chemical Engineering
Uluçay, C., Mathematics

The School of Arts and Sciences includes Departments of Education, Agriculture and Forestry, which are planned to become separate schools.

The University is being set up with help from the United Nations Special Fund and further assistance from the United Kingdom, United States, and Holland. It operates under an independent Board of Trustees on grants from the Turkish Government. There is a ten-year building programme which will provide for an ultimate enrolment of 20,000 students on a 12,000-acre site six miles south of Ankara. Teaching is in English. Admission is by competitive examination given in centres in Turkey and several cities in the Middle East. The aim of the University is to serve Turkey and the Middle East by offering professional education of high standard.

COLLEGES AND INSTITUTES OF HIGHER EDUCATION

GAZI EDUCATIONAL INSTITUTE

ANKARA

Founded 1926.

Director: D. Kemal.

Number of teaching staff: 110.
Number of students: 765.

NECATİ EGİTİM ENSTİTÜSÜ
(Necati Institute of Education)

BALIKESIR

Founded 1944.

Director: O. Hatipoğlu.

Number of teachers: 26.
Number of students: 500.

Departments of Science and Social Studies. Two-year training course for Junior School teachers.

GÜZEL SANATLAR AKADEMISI
(Academy of Fine Arts)

ISTANBUL-FINDIKLI

Telephone: 495410, 495411.

Founded 1882.

Director: A. Mutlu.
Assistant Directors: M. Cezar, K. Silivrili, K. Bilensoy.
Librarian: E. Nazan.

Number of teachers: 102.
Number of students: 800.

HEADS OF FACULTIES:

Painting: Z. F. IZER.
History of Turkish Arts: B. TOPRAK.
Architecture: M. A. HANDAN.
Decorative Arts: I. H., OYGAR.

The academy attained the status of an institute of higher education in 1917 under the name of the Higher School of Fine Arts; it was reorganised as the Academy of Fine Arts in 1926.

İSTANBUL TEKNIK OKULU
(Istanbul School of Technology)

YILDIZ, ISTANBUL

Telephone: 47 34 30.

Founded 1937.

Director: A. ERGENELİ.
Assistant Directors: A. KARADENİZ, N. TURFAN.

Number of teaching staff: 156.
Number of students: 1,916.

HEADS OF DEPARTMENTS:

Civil Engineering: H. DÖNMEZER.
Mechanical Engineering: I. HAKDIYEN.
Electrical Engineering: A. BERKOL.
Architecture: S. TONER.
Geodesy: E. ULSOY.

İSTANBUL IKTISADI VE TICARI ILIMLER AKADEMISI
(Istanbul Academy of Economics and Commercial Science)

ISTANBUL

Founded 1883.

President: Prof. Dr. N. SAYAR.
Assistant Directors: Prof. T. EREM and Doc. F. ÖCAL.
Secretary: N. ÇELIK.
Registrar: A. KITAPÇI.
Treasurer: S. SANDER.
Librarian: R. ŞEREN.

The library contains 11,580 volumes.
Number of professors: 30.
Number of students: 2,930.

THE AMERICAN COLLEGES IN ISTANBUL

P.O. BOX 8, BEBEK, ISTANBUL

Comprising Robert College, Robert Academy, and the American College for Girls.

CORPORATE OFFICERS:

President: (Vacant).
Vice-President for Business Affairs: J. L. BRAINERD.
Director of Relations with Educational Institutions Abroad: R. S. HARDY.

ACADEMIC DIVISION OFFICERS:

Senior Vice-President, Robert College: U. B. ALKIM.
Vice-President, Robert College: H. P. HALL.
Principal, Robert Academy: C. H. BULL.
Vice-President and Dean, American College for Girls: ELEANOR C. ROMIG.

ROBERT COLLEGE

BEBEK, P.K. 8, ISTANBUL

Telephone: 63 56 50.

Founded 1863.

Dean, School of Business Administration and Economics: P. G. FRANCK.
Dean, School of Engineering: W. BRZOZOWSKI.
Acting Dean, School of Sciences and Foreign Languages: H. P. HALL.
Director, Research Centre: N. TANYOLAÇ.
Director, English Language Division: S. WISE.
Acting Librarian: ANNIE SCOTT DUREN.
Dean of Students: R. KEKLİKOĞLU.
Registrar and Director of Admissions: G. WOODS WILLIAMS.

Number of teachers: 58.
Number of students: 527 Turkish, 52 foreign, total 579.

ROBERT ACADEMY

BEBEK, P.K. 8, ISTANBUL

Founded 1863.

Yardirektör: M. YEŞIM.
Assistant Principal: E. C. JACOBSEN.
Dean of Students: A. J. BABER.
Registrar and Director of Admissions: K. ERYORULMAZ.

Number of teachers: 36.
Number of students: 375 Turkish, 5 foreign, total 380.

AMERICAN COLLEGE FOR GIRLS

ARNAVUTKÖY, ISTANBUL

Founded 1871.

Yardirektör: NEYİRE BAYSAL.
Orta Principal: MILLICENT KENT.
Librarian: RUTH BRADLEY.
Dean of Students: FRITZIE E. GAREIS.
Registrar and Director of Admissions: DOROTHY ASHOVER.

Number of teachers: 61.
Number of students: 696 Turkish, 9 foreign, total 705.

Capa Egitim Enstitüsü (*Capa Educational Institute*): Capa, Istanbul.

Erkek Teknik Yüksek Ögretmen Okulu (*Technical Teachers' Training School for Men*): Ankara; f. 1937.

Kiz Teknik Ögretmen Okulu (*Technical Teachers' Training School for Women*): Ankara; f. 1934.

Zonguldak Maden Teknik Okulu (*Technical School of Mining*): Zonguldak.

MUSIC AND DRAMA

Istanbul Municipal Conservatoire: Istanbul; f. 1923; internal and external sections.

Director: H. TONGUR.
Members of the Artistic Council: Pres. F. STATZER (Piano), R. ABED (Harmony), S. YÜZBAŞIOĞLU (Harmony), O. BORAR (Violin), F. TALAY (Cello).

Number of teachers: 66.
Number of students: 786.

Izmir State Conservatoire: Izmir; f. 1951.

State Conservatoire: Ankara; formerly Ecole Normale de Musique; music, including opera and ballet, and drama.

Theatre Institute: Ankara; formed as a branch of Ankara University 1958; Dirs. Prof. B. TUNCEL, Prof. I. SAHINBAS; 245 students.

UGANDA

Population 7,190,000

LEARNED SOCIETIES

British Council, The: P.O. Box 914, Kampala; Representative for Uganda W. J. BALL; Regional Director for Eastern Province C. P. CARTER, Mbale; Regional Director for Western Province E. R. INKPEN, M.B.E., Fort Portal.

East African Literature Bureau: Uganda Branch: P.O. Box 1317, Kampala; Librarian Miss P. M. FIDDES.

Uganda Society: 1st Floor, National Cultural Centre, Private Bag, Kampala; membership open to persons of all races and institutions, to promote interest in literary, historic, scientific and general cultural matters, discovering and recording facts about the country, arranging lectures and establishing contacts; reference library and lending library 3,000 vols. and periodicals; publ. *The Uganda Journal.*

RESEARCH INSTITUTES

Animal Health Research Centre: P.O. Box 24, Entebbe; f. 1923; research and field work in animal diseases, husbandry and nutrition; herbarium; library of 3,000 vols.; Chief Research Officer T. J. COYLE (acting); publs. numerous research papers.

Cotton Research Station (Namulonge): (*Empire Cotton Growing Corporation*): P.O. Box 884, Kampala; pure and applied aspects cotton culture and technology; library 4,000 vols.

Government Analytical Laboratory: P.O. Box 2174, Kampala; general analytical work, forensic investigations, chemistry and bacteriology of food and water.

Infantile Malnutrition Research Unit: Medical Research Council, Mulago Hospital, P.O. Box 351, Kampala; Acting Dir. Dr. R. G. WHITEHEAD, PH.D.

Kawanda Agricultural Research Station: P.O. Box 265, Kampala; soil and agricultural research; herbarium, soil samples and collection of insects; open to visitors by invitation and appointment.

REGIONAL INSTITUTES:

East African Common Services Organisation (formerly The East Africa High Commission): P.O. Box 30005, Nairobi, Kenya; f. 1961; Sec.-Gen. DUNSTAN OMARI, M.B.E.; Kenya, Uganda and Tanzania participate on an equal partnership basis. Responsibility for the Organisation rests with the:

East African Common Services Authority: composed of the principal Ministers of the three territories, supported by five groups each of three ministers; one from each territory, one dealing with communications, one with finance, one with commercial and industrial co-ordination, one with research services and one with labour.

East African Common Services Organisation administers the following research services in Uganda (*see also* Kenya and Tanzania):

East African Freshwater Fisheries Research Organisation: P.O. Box 343, Jinja, Uganda; f. 1948; hydrobiological and fisheries research; library of 500 vols.; Acting Dir. M. J. MANN; publ. *Annual Report.*

East African Leprosy Research Centre (The John Lowe Memorial): P.O. Box 1044, Busia, Uganda; Dir. Dr. Y. OTSYÚLA.

East African Trypanosomiasis Research Organisation: P.O. Box 96, Tororo, Uganda; f. 1949; tsetse and trypanosomiasis research and reclamation (human and animal); Dir. Dr. R. ONYANGO; publ. *Annual Report.*

East African Virus Research Institute: P.O. Box 49, Entebbe, Uganda; f. 1949; investigation into the properties, relationships and epidemiology of yellow fever and other anthropod-borne viruses; Dir. M. C. WILLIAMS; publ. *Annual Report.*

East African Institute of Social Research: Makerere College, P.O. Box 16022, Kampala, Uganda; f. 1950; objects: social and economic research in East Africa (anthropology, urban surveys, economics, psychology); Acting Chair. Dr. D. J. STENNING; Admin. Sec. S. B. MUSOKE; publs. *E. A. Studies, E. A. Linguistic Studies* (occasional), monographs.

LIBRARIES

British Council Library: Kampala Road, Kampala; 3,500 vols.; also at Mbale and Portal.

Empire Cotton Growing Corpn.: Namulonge, P.O. Box 884, Kampala; specialised library for research students.

Makerere University College Library: P.O. Box 262, Kampala; 120,000 vols., 1,800 periodicals; special collections of East Africana, Swahili; deposit collections of Uganda publications, U.N. and specialised agencies; Librarian E. J. BELTON, M.A., F.L.A.

Makerere University College Medical Library: P.O. Box 2072, Kampala; approx. 20,000 vols.; Librarian Miss M. THOMPSON, B.SC.

The Secretariat Library: The Secretariat, P.O. Box 5, Kampala; intended to be a comprehensive collection concerning Uganda, also has main works on East Africa, Africa and the British Commonwealth; available to students at the discretion of the Chief Secretary.

Uganda Library Service: Headquarters: Salisbury Road, P.O. Box 4262, Kampala; f. 1964; total book-stock 120,000 vols.; 15 brs. with 67,000 vols. throughout Uganda; Dir. WILLIAM SERWADDA.

MUSEUMS

Entebbe Botanic Gardens: P.O. Box 40, Entebbe; collection of native and exotic plants.

Forest Department Library and Herbarium: Forest Office, P.O. Box 31, Entebbe; f. 1904; 10,000 specimens; specialised library open to students by special arrangement with the Chief Conservator of Forests.

Forest Department Utilisation Division: Nakawa Forest Station, P.O. Box 1752, Kampala; collection of Uganda timbers; entomology section; small specialised library.

Game and Fisheries Museum, Zoo, Aquarium and Library: P.O. Box 4, Entebbe; collections of heads of game animals, reptiles, fish and butterflies, hunting and fishing implements and weapons; library of approx. 1,100 vols.

Geological Survey Museum and Library: P.O. Box 9, Entebbe; about 37,500 specimens of rocks and minerals, library of over 9,850 vols. and 3,850 separates.

Uganda Museum: P.O. Box 365, Kampala; ethnology; archæology, palæontology; science and industry pavilion; special collection of African musical instruments; centre for archæological research in Uganda; Curator Dr. W. W. Bishop.

Folk Museums: at Soroti for the Iteso and at Mbarara for the Banyankole Peoples.

National Park Museums: at Mweya in Queen Elizabeth National Park and at Paraa in Murchison Falls, National Park.

UNIVERSITY

UNIVERSITY OF EAST AFRICA

P.O. BOX 410, KAMPALA, UGANDA

Telephone: Kampala 56251.

Founded 1963.

Chancellor: Dr. Julius Nyerere, M.A., LL.D.

Vice-Chancellor: Y. K. Lule, C.B.E., B.SC., DIP.ED., B.ED. (*acting*).

Registrar: H. Brooks, B.SC.(ECON.), A.C.C.S. (*acting*).

Comprises: Makerere University College (*see* below), University College, Nairobi (*see* Kenya), and The University College, Dar es Salaam (*see* Tanzania).

MAKERERE UNIVERSITY COLLEGE

P.O. BOX 262, KAMPALA

Telephone: 2471.

Founded as a technical school in 1922, the College became a University College in 1949 since when it has been in Special Relation with the University of London. It is now one of the constituent Colleges of the University of East Africa.

Chairman of the Council: Y. K. Lule, C.B.E.

Principal: Sir Bernard de Bunsen, C.M.G., M.A.

Deputy Principal: Prof. J. A. Andrews, D.SC. (Lond.), F.INST.P.

Vice-Principal: Prof. L. C. Beadle, M.A. (Cantab).

Secretary: A. C. T. Rowe-Evans, B.A. (Lond.).

Registrar: P. F. Vowles, M.A. (Oxon.).

Librarian: E. J. Belton, M.A. (Oxon.), F.L.A.

Number of teaching staff: 150, including 21 professors.
Number of full-time students in residence: 900 men, 100 women, total, 1,000.

DEANS:

Faculty of Arts: G. Walton, M.A., M.LITT. (Cantab.).

Faculty of Agriculture: F. B. Wilson, M.B.E., M.A.

Faculty of Science: D. M. Thomson, M.A., PH.D. (Cantab.).

Faculty of Education: H. Creaser, B.SC., DIP.ED. (Leeds), A.R.I.C. (acting).

Faculty of Medicine: D. B. Allbrook, M.B., B.S., PH.D. (Lond.).

Faculty of Social Sciences: S. W. Southall, M.A. (Cantab.), PH.D. (Lond.).

PROFESSORS:

Allbrook, D. B., M.B., B.S., PH.D. (Anatomy).
Baker, S. J. K., M.A. (Geography).
Beachey, R. W., B.A., PH.D. (History).
Beadle, L. C., M.A. (Zoology).
Crawford, M., D.SC., PH.D., F.R.I.C. (Chemistry).
Hutt, M. S. R., M.D., M.R.C.P. (Pathology).
Jelliffe, D. B., M.D., F.R.C.P. (Pediatrics).
King, The Rev. N. Q., M.A., PH.D. (Religious Studies).
Leys, C., M.A. (Political Science).
Lucas, E. A., M.A. (Education).
Luck, C. P., B.SC., M.B., B.CH. (Physiology).
McAdam, I. W. J., M.B., CH.B., F.R.C.S. (Surgery).
Rendle-Short, Coralie, M.D., CH.M., F.R.C.O.G. (Obstetrics, Gynæcology).
Southall, A. W., M.A., PH.D. (Sociology).
Spence, D. H. N., B.SC., PH.D. (Botany).
Stonier, A. W. (Economics).
Thomson, D. M., M.A., PH.D. (Physics).
Tulloch, J. A., M.C., M.D., F.R.C.P. (Medicine).
Walton, G., M.A., M.LITT. (English).
Welter, C. P., M.SC., PH.D. (Mathematics).
Wilson, F. B., M.B.E., M.A. (Agriculture).
(Vacant—Preventive Medicine.)

UGANDA TECHNICAL COLLEGE

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Number of students: 400.

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Institute of Inorganic Chemistry: Novosibirsk; Dir. A. V. NIKOLAEV.

Institute of Experimental Biology and Medicine: Novosibirsk; Dir. E. N. MESHALKIN.

Institute of Chemical Kinetics and Fuel: Novosibirsk; Dir. A. A. KOVALSKY.

Institute of Cytology and Genetics: Novosibirsk; Acting Dir. D. K. BELYAEV.

Institute of Economics and Industrial Organization: Novosibirsk; Dir. G. A. PRUDENSKY.

Institute of Physics: Krasnoyarsk; Dir. L. V. KIRENSKY.

Sakhalin Research Institute: Novo-Alexandrovsk, Sakhalinsk Region; Dir. G. A. KHELKVIST.

Institute of Radiophysics and Electronics: Novosibirsk; Dir. Y. B. RUMER.

East Siberian Branch of the Academy of Sciences: Irkutsk; Chair. L. A. MELENTSEV.

V. L. Komaroy Far Eastern Branch: Vladivostock; Dir. A. S. KHOMENTOVSKY.

Yakut Branch: Yakutsk, Yakut A.S.S.R.; Chair. I. S. ROZHKOV.

Biological Institute: Novosibirsk, Ul. Frunze 23A; Dir. A. I. CHERYEPANOV.

Institute of Mining: Novosibirsk, Ul. Derzhavina 18; Dir. N. A. CHINAKAL.

Institute of Catalysis: Novosibirsk, Sovietskaya 20; Dir. G. K. BORESKOV.

Institute of Forestry and Timber: Krasnoyarsk; Dir. A. B. ZHUKOV.

Institute for the Study of Frozen Ground: Yakutsk; Dir. P. I. MELNIKOV.

Novosibirsk Institute of Organic Chemistry: Novosibirsk, Sovietskaya 20; Dir. N. N. VOROZHTSOV.

Transport-Energetics Institute: Novosibirsk, Ul. Frunze 23A; Dir. V. K. SHCHERBAKOV.

Chemico-Metallurgical Institute: Novosibirsk, Ul. Derzhavina 18; Dir. A. T. LOGVINENKO.

Institute of Atomic Physics: Moscow, Ul. Kurchatova 46, Novosibirsk, Sovietskaya 20; Dir. G. I. BUDKER.

Buryat Complex Research Institute: Ulan-Ude, Kirova 33; Dir. D .D. LUBSANOV.

North East Complex Research Institute: Magadan; Dir. N. A. CHILO.

Central Siberian Botanical Garden: Novosibirsk, Zayeltsovsky Region; Dir. K. A. SOBOLEVSKAYA.

Laboratory of Measuring and Computing Electronics: Novosibirsk, Sovietskaya 20; Head V. N. AVDEYEV.

Chita Complex Laboratory: Chita, Ul. Butina 26; Dir. G. A. MELNIKOV.

Photographic Laboratory: Novosibirsk, Ul. Michurina 23; Head R. I. AKHMEROV.

Kamchatka Geology and Geophysics Observatory: Petropavlovsk, Kamchatka, Pogranichnaya Ul. 3; Dir. B. I. PEEP.

Department of Philosophy: Novosibirsk, Sovietskaya 20; Head I. I. MATVEYENKOV.

Department of Foreign Languages: Novosibirsk, Ul. Michurina 23; Head V. N. KUPRIANOVA.

Experimental Factory: Novosibirsk; Dir. N. V. ARKHIPOV.

Bureau of Branches and Departments of the U.S.S.R. Geographic Society: Irkutsk, Rossiskaya 8; Chair. V. B. SOCHAVA.

BODIES UNDER THE DIRECT SUPERVISION OF THE PRESIDIUM OF THE ACADEMY OF SCIENCES OF THE U.S.S.R.

Council for Co-ordinating the Scientific Work of the Academies of Sciences of the Union Republics: Leninsky prospekt 14, Moscow; Chair. A. N. NESMEYANOV.

Editorial and Publishing Council: M. Kharitonyevsky per. 4; Moscow; Chair. A. N. NESMEYANOV.

Council for Studying the Productive Forces of the U.S.S.R.: Staromonetny per. 35, Moscow; Chair. N. S. NEMCHINOV.

Publishing House of the Academy of Sciences of the U.S.S.R.: Podsosensky per. 21, Moscow; Dir. A. I. NAZAROV.

Library of the Academy of Sciences of the U.S.S.R.: Birzhevaya linia 1, Leningrad; Dir. M. I. FILIPPOV.

Fundamental Library of the Social Sciences: Ul. Frunze 11, Moscow; Dir. V. I. SHUNKOV.

Commission on Computing Techniques: I. Akademichesky pr. 28, Moscow; Chair. A. A. DORODNITSYN.

Commission on International Scientific Relations: Lenin Prospect 14, Moscow; Chair. E. K. FEDOROV.

Commission on Petroleum: Lenin Prospect 29, Moscow; Chair. A. V. TOPCHIEV.

Interdepartmental Committee for the Third International Geophysical Year: Molodezhnaya Ul. 3, Moscow; Chair. V. V. BELUSOV.

Institute of Scientific and Technical Information: Baltiiskaya, Ul. 14, Moscow; Dir. Dr. A. I. MIKHAILOV.

Institute of the History of Nature and Technique: Moscow, Novaya Square 3; Dir. Dr. N. A. FIGUROVSKY.

BRANCHES OF THE ACADEMY OF SCIENCES OF THE U.S.S.R.

Bahskir Branch: Ufa; Pres. R. D. OBOLENTSEV.

Daghestan Branch: Makhach-kala; Pres. K. M. AMIRKHANOV.

Karelian Branch: Petrozavodsk; Pres. V. P. DADYKIN.

Kazan Branch: Kazan; Pres. A. E. ARBUZOV.

Kola S. M. Kirov Branch: Appatity, Murmansk. obl.; Pres. A. V. SIDORENKO.

Komi Branch: Syktyvkar, Komi A.S.S.R.; Pres. P. P. VAVILOV.

Urals Branch: Sverdlovsk; Pres. N. V. DEMENEV.

INSTITUTIONS ATTACHED TO THE PRESIDIUM OF THE ACADEMY OF SCIENCES OF THE U.S.S.R.

Scientific Council on High Molecular Combinations: Moscow, Lenin Prospect 14; Chair. A. V. TOPCHIEV.

Scientific Council on the Exhibition of Works of the Academy of Sciences of the U.S.S.R. and Union Republics: Moscow, Leningrad Prospect 7; Chair. A. L. KURSANOV.

Soviet Co-ordinated Committee on the Properties of Steam: Moscow, Lenin Prospect 19; Chair. V. A. KIRILLIN.

Commission on the Complex Use of Experimental Stations and Bases: Moscow, Staromonetny per. 29; Chair. I. P. GERASIMOV.

Section of Maritime Physics: Moscow, Lenin Prospect 53; Chair. A. E. BRYKIN.

Oceanography Commission: Moscow, M. Kharitonevsky per. 4; Chair. L. A. ZENKEVICH.

Commission on Semi-Conductors: Moscow, Lenin Prospect 53.

Commission on Electronic Microscopy: Moscow, Lenin Prospect 33; Chair. A. A. LEBEDEV.

PERIODICALS PUBLISHED BY THE ACADEMY OF SCIENCES OF THE U.S.S.R.

Izvestia Akademii Nauk S.S.S.R. (*Bulletin of the U.S.S.R. Academy of Sciences*): consists of the following eight publications:

- Seria Biologicheskaya (*Biological Series*) 6 times yearly,
- Seria Fizicheskaya (*Physics Series*): monthly,
- Seria Geofizicheskaya (*Geophysics Series*): monthly.
- Seria Geograficheskaya (*Geographical Series*): 6 times yearly,
- Seria Geologicheskaya (*Geological Series*): monthly,
- Seria Matematicheskaya (*Mathematical Series*): 6 times yearly,
- Otdelenie Khimicheskikh Nauk (*Chemical Sciences Section*): monthly,
- Otdelenie Tekhnicheskikh Nauk (*Technical Sciences Section*): 6 times yearly.

Otdelenie Literatury i Yazyka (*Literature and Language Section*).

Vestnik Adademii Nauk S.S.S.R. (*Journal of the U.S.S.R. Academy of Sciences*): monthly.

Izvestia Sibirskogo Otdeleniya Academii Nauk S.S.S.R. (*Bulletin of the Siberian Branch of the U.S.S.R. Academy of Sciences*): monthly.

Doklady Akademii Nauk S.S.S.R. (*Proceedings of the Academy*): three times a month.

Referativinie Zhurnali (*Journals of Abstracts*): consist of the following 13 publications:

- Astronomia i Geodezia (*Astronomy and Geodesy*): monthly,
- Electronika (*Electronics*): monthly,
- Fizika (*Physics*): monthly,
- Geofizika (*Geophysics*): monthly,
- Geografia (*Geography*): monthly,
- Geologia (*Geology*): monthly,
- Khimia (*Chemistry*): fortnightly,

Mashinostroyenie (*Machine-Building*): fortnightly,
Matematika (*Mathematics*): monthly,
Mekhanika (*Mechanics*): monthly,
Metallurgiya (*Metallurgy*): fortnightly,
Biologicheskaya Khimia (*Biological Chemistry*): twice-monthly,
Biologiya (*Biology*): twice-monthly.

Uspekhi Fizicheskikh Nauk (*Advances in Physics*): monthly.

Uspekhi Khimii (*Advances in Chemistry*): monthly.

Uspekhi Matematiki (*Advances in Mathematics*): 6 times yearly.

Uspekhi Sovremennoi Biologii (*Advances in Modern Biology*): 6 times yearly.

Akusticheskii Zhurnal (*Acoustics Journal*): quarterly.

Astronomicheskii Zhurnal (*Astronomy Journal*): 6 times yearly.

Fiziologicheskii Zhurnal S.S.S.R. im. Sechenova (*Sechenov Physiological Journal*): monthly.

Kolloidny Zhurnal (*Colloids Journal*): 6 times yearly.

Zhurnal Analiticheskoi Khimii (*Journal of Analytical Chemistry*): 6 times yearly.

Zhurnal Eksperimentalnoi i Teoreticheskoi Fiziki (*Journal of Experimental and Theoretical Physics*): monthly.

Zhurnal Fizicheskoi Khimii (*Journal of Physical Chemistry*): monthly.

Zhurnal Obshchei Biologii (*Journal of General Biology*): 6 times yearly.

Zhurnal Obshchei Khimii (*Journal of General Chemistry*): monthly.

Zhurnal Prikladnoi Khimii (*Journal of Applied Chemistry*): monthly.

Zhurnal Tekhnicheskoi Fiziki (*Journal of Technical Physics*): monthly.

Zhurnal Vyshoi Nervnoi Deyatelnosti im. Pavlova (*Pavlov Journal of Higher Nervous Activity*): bi-monthly.

Zoologicheskii Zhurnal (*Zoological Journal*): monthly.

Voprosy Ekonomiki (*Economic Questions*): monthly.

Voprosy Filosofii (*Questions of Philosophy*): 6 times yearly.

Voprosy Istorii (*Questions of History*): monthly.

Atomnaya Energia (*Atomic Energy*): monthly.

Voprosy Yazykoznania (*Questions of Linguistics*): 6 times yearly.

Avtomatika i Telemekhanika (*Automation and Telemechanics*): monthly.

Biokhimia (*Biochemistry*): 6 times yearly.

Fizika Metallov i Metallovedenie (*Physics of Metals and Metallurgical Studies*): bi-monthly.

Istoria S.S.S.R. (*U.S.S.R. History*): 6 times yearly.

Kristallografia (*Crystallography*):

Mikrobiologia (*Microbiology*): 6 times yearly.

Pochvovedenie (*Soil Science*): monthly.

Prikladnaya Matematika i Mekhanika (*Applied Mathematics and Mechanics*): 6 times yearly.

Priroda (*Nature*): monthly.

Sovietskaya Etnografia (*Soviet Ethnography*): 6 times yearly.

Sovietskoye Kitayevedenie (*Soviet Sinology*): 6 times yearly.

Sovietskoye Vostokovedenie (*Soviet Oriental Studies*): 6 times yearly.

Teoria Veroyatnosti i yeyo Primenenia (*Theory of Probabilities and its Applications*).

Vestnik Drevnei Istorii (*Bulletin of Ancient History*): quarterly.

Vestnik Novoi i Noveishei Istorii (*Bulletin of Modern and Recent History*): 6 times yearly.

Azia i Arika (*Asia and Africa*): monthly.

Voprosy Ikhtiologii (*Questions of Ichthyology*): 4 times yearly.

Geomagnetizm i Aironomy (*Geomagnetism and Aironomics*): 6 times yearly.

Zhurnal Vychislityelnoi Matematiki i Matematicheskoi Fiziki (*Journal of Calculating Mathematics and Mathematical Physics*): 6 times yearly.

Izvestia Akademii Nauk S.S.S.R. (*Bulletin of the Academy of Sciences of the U.S.S.R.*): Department of Technical Sciences.

Mekhanika i Mashinostroeniye (*Mechanics and Machine Building*): 6 times yearly.

Inzhenerny Zhurnal (*Engineering Journal*): 4 times yearly.

Energetika i Avtomatika (*Energetics and Automation*): 6 times yearly.

Neftekhimia (*Oil Chemistry*): 6 times yearly.

Okeanologia (*Oceanology*): 6 times yearly.

Radiobiologia (*Radiobiology*): 6 times yearly.

ACADEMIES OF SCIENCES OF THE UNION REPUBLICS

Academy of Sciences of the Armenian S.S.R.: Erevan; f. 1943; 37 mems., 32 corr. mems.; Pres. V. A. AMBARTSUMYAN.

Department of Physical and Mathematical Sciences: comprising Institutes of Physics, Mechanics and Mathematics, Radiophysics and Electronics, the Byurakan Astro-physical Observatory, Computing Centre, and the Tool-making Laboratory.

Department of Biological Sciences: comprising the Institutes of Botany, Zoology, Physiology, Fine Organic Chemistry, the Microbiology, Radiobiology and Biochemistry Section, the Botanical Gardens and the Lake Sevan Hydro-biological Station.

Department of Medical Sciences: comprising the Institutes of Roentgenology and Oncology, Physiology, Cardiology, and the Radiobiology Section.

Department of Technical Sciences: comprising the Institutes of Organic Chemistry, Geological Sciences, Energetics and Hydraulics, Electronics.

Department of Social Sciences: comprising the Institutes of History, Literature, Language, Economics, Arts, Archæology and Ethnography, the Sections of Oriental Studies, Philosophy and Law, the History Museum and the Museum of Literature and Art.

Academy of Sciences of the Azerbaijanian S.S.R.: Baku; f. 1945; 37 mems., 30 corr. mems.; Pres. Z. I. KHALILOV.

Department of Social Sciences: comprising the Nizami Institute of Literature and Language, the Philosophy Section, the Research Institute of Oriental Studies; the Institute of Architecture and Art, the Institute of Economics, the Museum of the History of Azerbaijan and the Nizami Museum.

Department of Geological and Geographical Sciences: comprising the I. M. Gubkin Institute of Geology, the Institute of Geography, and the Institute of the Exploitation of Oil and Gas Deposits.

Department of Biological and Agricultural Sciences: comprising the V. L. Komarov Institute of Botany and Botanical Gardens, the Institute of Zoology and the Institute of Agrochemistry and Soil Science, Sections of Genetics and Selection and of Physiology.

Department of Chemical Sciences: comprising the Institute of Petro-Chemical Processes and the Institute of Chemistry.

Department of Physical and Technical Sciences: comprising the Institute of Physics, the Institute of Mathematics and Mechanics, the Computer Centre and the Astrophysical Observatory.

Academy of Sciences of the Byelorussian S.S.R.: Minsk; f. 1929; 54 mems., 38 corr. mems.; Pres. V. F. Kuprevich.

Department of Social Sciences: comprising the Institute of Philosophy and Law, the Institute of History, the Institute of Economics, the Institute of Literature named after Kupala, the Yakub Kolas Institute of Linguistics.

Department of Physico-Mathematical Sciences: comprising the Institute of Physics, the Institute of Mathematics, the Institute of Physics of Solids and Semi-Conductors.

Department of Chemical Sciences: comprising the Institute of Physical-Organic Chemistry, the Institute of General and Inorganic Chemistry, the Laboratory of Geochemical Problems.

Department of Physico-Technical Sciences: comprising the Physico-Technical Institute, the Heat and Mass Transfer Institute, the Institute of Engineering Cybernetics, the Section of the Physics of Non-destroying Control.

Department of Biological Sciences: comprising the Institute of Experimental Botany and Microbiology, the Institute of Physiology, the Institute of Genetics and Cytology, the Central Botanical Garden, the Section of Zoology and Parasitology, the Laboratory of Taxonomy and Physiology of Cryptogamic Plants, the Section of Herontology, the Laboratory of Biophysics and Isotopes.

Academy of Sciences of the Estonian S.S.R.: Tallinn; f. 1946; 21 mems., 24 corr. mems.; Pres. I. G. Eichfeld.

Department of Social Sciences: comprising the Institute of History, the Institute of Language and Literature, the Institute of Economics, the Estonian Folk Museum (f. 1909), the Ethnography Museum, the Kreizwald Museum of Literature and the Historical Museum, together with the Geographical Society and the Estonian Language Society (f. 1920).

Department of Biological and Medical Sciences: comprising the Naturalists' Society (f. 1853), the Institute of Zoology and Botany, the Institute of Experimental and Clinical Medicine, the Institute of Experimental Biology, the Nature Preservation Commission.

Department of Physics, Mathematics and Technical Sciences: comprising the Institute of Geology, the Institute of Chemistry, the Institute of Building and of Building Materials, Physics and Astronomy, the Institute of Cybernetics and the Tartu Astronomical and Geophysical Observatory (f. 1809).

Academy of Sciences of the Georgian S.S.R.: Tbilisi; f. 1941; 60 mems., 24 corr. mems.; Pres. N. Muskhelishvili.

Department of Social Sciences: comprising the Institute of Language, the Rustaveli Institute of the History of Georgian Literature, the I. Dzhavakhishvili Institute of History, the Institute of the History of Georgian Art, the Institute of Philosophy, the D. N. Uznadze Institute of Psychology, the Institute of Economics, the Institute of Manuscripts, the Institute of Oriental Studies, the Abkhazian Institute of Language, Literature and History, the South Ossetian Scientific Research Institute, the Institute of Manuscripts, the Batumi Scientific Research Institute.

Department of Biological Sciences: comprising the Institute of Physiology, the Institute of Zoology, the Institute of Botanics, the Forestry Institute, the Institute of Paleobiology, and the Tbilisi, Batumi and Sukhumi Botanical Gardens.

Department of Medical Sciences: comprising the A. Natishvili Institute of Experimental Morphology, the Institute of Experimental and Clinical Surgery and Haematology, the M. Tsinamdzgvrishvili Institute of Experimental and Clinical Cardiology, the Institute of Clinical and Experimental Neurology, the Institute of Urology, the Institute of Pharmacochemistry.

Department of Technical Sciences: comprising the Institute of Metallurgy, the Institute of Structural Mechanics and Aseismicity, the A.Didebulidze Institute of Power Engineering, the G.Tsulukidze Institute of Mining, the Institute of Applied Chemistry and Electrochemistry, the Institute of Electronics, Automatics and Telemechanics, the Institute of Machinery.

Department of Mathematical and Natural Sciences: comprising the A.Razmadze Institute of Mathematics, the Computation Centre, the Institute of Physics, the Institute of Cybernetics, the Abastumani Astrophysical Observatory, the P. Melikishvili Institute of Chemistry, the Institute of Geophysics, the Institute of Geology, the Vakhushti Institute of Geography.

Department of Technical Sciences: comprising the Institute of Metals and Mining, the Institute of Power Engineering, the Institute of Building, the Institute of Telemechanics and Automation, the Institute of Chemistry and Electrochemistry, the Institute of Cybernetics.

Academy of Sciences of the Kazakh S.S.R.: Alma-Ata; f. 1946; 34 mems., 48 corr. mems.; Pres. S. C. Chokin.

Department of Physical and Mathematical Sciences: comprising the Institute of Nuclear Physics, the Mathematics and Mechanics Section, and the Laboratory of Mechanised and Computer Mathematics.

Department of Cosmology and Geology: comprising the Institutes of Geological Sciences (K. I. Satpaeva), Hydro-Geology, and Hydro-Physics, Mining, Astrophysics, Section of Physical Geography and Ionosphere.

Department of Chemical and Technical Sciences: Institutes of Chemical Sciences, Metallurgy and Concentration, the Karaganda Chemical and Metallurgical Institute, the Gurevsky Institute of Chemical Oils and Natural Salts.

Department of Biological Sciences: Institutes of Soil Science, Botany, Zoology, Microbiology and Virology, Physiology, Experimental Biology, Main Botanical Garden.

Department of Social Sciences: Institutes of Economics, History, Linguistics, Philosophy and Law, C. C. Valikhanov Institute of Archaeology and Ethnography, M.O. Auezov Institute of Literature and Art.

Academy of Sciences of the Kirghiz S.S.R.: Frunze; f. 1954; 19 mems., 19 corr. mems.; Pres. K. Karakeev.

Department of Biological Sciences: Institute of Botany, Institute of Zoology and Parasitology, Institute of Regional Medicine; Soil Sciences Section.

Department of Natural and Technical Sciences: Institutes of Chemistry, Geology, Physics, Mathematics, Mechanics, Automation, Organic Chemistry, Mining and Metallurgy, Geographical, Building Material and Seismological Sections.

Department of Social Sciences: Institutes of Languages and Literature, History and Economics Section.

Academy of Sciences of the Latvian S.S.R.: Riga; f. 1946; Pres. K. K. Plaude.

Department of Social Sciences: comprising the Institutes of History, Economics, Language and Literature.

Department of Chemical and Biological Sciences: comprising the Institutes of Chemistry, Organic Synthesis, Wood Chemistry, Biology, Microbiology and Botanical Garden.

Department of Physical and Technical Sciences: comprising the Institutes of Physics, Power Engineering, Electronics and Computing Technique, Mechanics and Polymers, Laboratory of Astrophysics.

Academy of Sciences of the Lithuanian S.S.R.: Vilnius; f. 1941; 18 mems., 16 corr. mems.; Pres. J. J. MATULIS.

Department of Physical, Chemical and Technical Sciences: comprising the Institute of Chemistry and Chemical Technology, the Institute of Geology and Geography, the Institute of Physics and Mathematics, the Institute of Power and Electrical Engineering, the Institute of Architecture and Building.

Department of Natural Sciences: comprising the Institutes of Botany, Zoology and Parasitology, Experimental Medicine, the Botanical Gardens and the Zoological Museum.

Department of Social Sciences: comprising the Institute of the Lithuanian Language and Literature, the Institute of History, and the Institute of Economics.

Academy of Sciences of the Tajik S.S.R.: Dushanbe; f. 1951; Pres. M. S. ASIMOV.

Department of Social Sciences: comprising the Institutes of Language and Literature, History, Economics, and the Sections of Philosophy, Orientology and Calligraphy.

Department of Physics, Chemistry and Technical Sciences: comprising Institutes of Astrophysics, Aseismic Engineering and Seismology, Chemistry, Physical-Technical Sciences.

Department of Biological Sciences: comprising Institutes of Botany, Zoology and Parasitology, Physiology and Plant Biophysics, the Pamir Base of the Academy of Sciences.

Academy of Sciences of the Turkmenian S.S.R.: Ashkhabad; f. 1951; 17 mems., 20 corr. mems.; Pres. S. B. BATYROV.

Department of Biology: comprising the Institute of Botany, the Botanical Gardens, the Institute of Zoology and Parasitology, Regional Studies Museum.

Department of Geology, Physics and Chemical Sciences: comprising Institutes of Geology, Anti-Seismological Constructional Engineering, Physics and Geophysics, Chemistry.

Department of Social Sciences: comprising Institutes of Language, Literature and History, Archaeology and Ethnography, Economics, Historical Museum, Economics Section and the permanent S. Turkestan Archaeological Expedition, Museum of 26 Commissars.

Academy of Sciences of the Ukrainian S.S.R.: Kiev; f. 1919; 84 mems., 118 corr. mems.; Pres. A. V. PALLADIN.

Department of Social Sciences: comprising the Institute of Economics, the Institute of History, the Institute of Social Sciences, the Institute of Archæology, the T. G. Shevchenko Institute of Literature, the A. A. Potebni Institute of Linguistics, the Institute of the Study of Art, Folklore and Ethnography, and the Institute of Philosophy, together with the Government and Law Section; five Museums.

Department of Biological Sciences: comprising the Institute of Botany, the Institute of Zoology, the Institute of Hydro-Biology, the Institute of Biochemistry, the A. A. Bogomolets Institute of Physiology and the D. K. Zabolotny Institute of Microbiology, together with the Sebastopol and Odessa Biological Stations, the Botanical Gardens, the Lvov Natural History Museum, and several Preserves.

Department of Chemical and Geological Sciences: comprising the L. V. Pisargevsky Institute of Chemistry and the Institutes of General and Organic Chemistry, Inorganic Chemistry, Polymenic and Monomenic Chemistry, Geological Sciences, Geology of Mineral Deposits, Mineral Resources, Geophysics.

Department of Physical and Mathematical Sciences: comprising the Institute of Mathematics, Physics, Technical Physics, Metal Physics, Low Temperatures, Radiophysics and Electronics, Semiconductors, Computation, the Central Astronomical Observatory, the Computing Centre, the Gravimetrical Observatory, the Marine Hydrophysical Institute.

Department of Technical Sciences: comprising the Institute of Mechanics, the M. M. Fedorov Institute of Mining, the E. O. Paton Institute of Electric Welding, the Institute of Hydrology and Hydrotechnics, the Institute of Iron and Steel, the Institute of Casting Production, the Institute of Power and Heat, the Institute of Electrical Engineering, the Institute of Metallo-ceramics and Special Alloys, the Institute of Gas Utilisation, the Institute of Machine Design and Automation, the Institute of Radio technical Problems, Laboratory of Hydraulic Machinery.

Department of Agricultural Sciences: comprising the Institute of Plant Physiology, the Institute of Farm Animal Physiology and Bio-chemistry.

Academy of Sciences of the Uzbek S.S.R.: Tashkent; f. 1943; 30 mems., 45 corr. mems.; Pres. U. A. ARIFOV.

Department of Social Sciences: comprising the Institute of Economics, the Institute of Language and Literature, the Institute of History and Archæology, the Institute of Oriental Studies, the Institute of Philosophy and Law, the Karakalpakian Complex Scientific Research Institute.

Department of Chemical and Biological Sciences: the Institute of Botany, Zoology and Parasitology, the Botanical Gardens, the Institutes of Chemistry, of Chemistry of Vegetable Substances, and of Biology of Plants.

Department of Physical and Mathematical Sciences: comprising the Institute of Mathematics, the Institute of Physical Technology, the Institute of Nuclear Physics (Tashkent), the Tashkent Astronomical Observatory, the Institute of Geology and Geophysics, the Institute of Mechanics of the Computing Centre.

Many of the research institutes of the Academies of Sciences of the Union Republics publish bulletins, transactions, etc.

Academy of Sciences of the Moldavian S.S.R.: Kishinev; f. 1961; comprises 16 Scientific and Research Institutions with 478 scientific workers; Pres. Ya. S. GROSOUL.

OTHER ACADEMIES

Academy of Arts of the U.S.S.R.: Moscow; f. 1947; Pres. V. SEROV.

This Academy developed from the older Russian Academy of Arts, founded in St. Petersburg in 1757, comprises departments of painting, sculpture, graphic and applied art; included in its structure are the Institute for Research on the Theory and History of the Fine Arts; the Surikov Art Institute, with attached secondary art school, Moscow; the I. E. Repin Institute of Painting, Sculpture and Architecture, with attached secondary art school; the Research Museum, laboratories, mozaic and bronze-casting studios; the Scientific Library (300,000 volumes), Scientific Archives in Leningrad and a publishing house.

Academy of Building and Architecture of the Ukrainian S.S.R.: Kiev; f. 1956; Pres. P. F. BAKUMA.

Comprises the following research institutes: Town Planning; Architecture of Structures; Building Materials and Elements; Building Design; Organisation, Mechanisation and Economics of Building; Theory and History of Architecture and Building Technique; the Southern Institute for Industrial Building, Kharkov; the Donets Institute for Surface Mining Structures and Housing Construction, Donetsk; a section on folk art and the history of Ukrainian art; the "Orgstroi" Institute, Kharkov; the "Sofii Museum" architectural and historical national monument; a scientific library.

Academy of Medical Sciences of the U.S.S.R.: Moscow; f. 1944. This Academy is controlled by the Ministry of Health. Pres. N. N. BLOKHIN.

Department of Medical and Biological Sciences: comprising the Institute of Experimental Biology; the Institute of Normal and Pathological Physiology; the Institute of Biological and Medical Chemistry; the Brian Institute; the Institute of Pharmacology and Chemical Therapy; the Laboratory of Experimental Physiology on Revivication of Organisms; the Sukhumi Institute of Experimental Pathology and Therapeutics; the Institute of Experimental Medicine; the Institute of Sanitation and Chemistry; the Institute of Herontology and Experimental Pathology.

Department of Hygiene, Microbiology and Epidemiology: comprising the N. F. Gamaleya Institute of Epidemiology and Microbiology; the Institute of Virology; the Institute of General and Municipal Hygiene; the Institute of Work Hygiene and Occupational Diseases; the Institute of Nutrition; the Institute for Research on New Antibiotics; the Institute for Study of Poliomyelitis, and the Institute of Hygiene ot Children and Adolescents.

Department of Clinical Medicine: comprising the Institute of Surgery; the N. N. Burdenko Institute of Neuro-surgery; the Institute of Obstetrics and Gynaecology; the Institute of Tubercular Diseases; the Institute of Pediatrics; the Institute of Neurology; the Institute of Oncology; the Institute of Chest Surgery; the Institute of Infectious Diseases; the Institute of Experimental and Clinical Oncology; the Institute of Psychiatry.

Academy of Pedagogical Sciences of the R.S.F.S.R.: Moscow; f. 1943

This Academy is controlled by the Ministry of Education of the R.S.F.S.R. It comprises the following research institutes: the Institute of Theory and History of Teaching; the Institute of Psychology; the Institute of Defectology; the Institute of Physiology and Physical Education; Institute of General and Polytechnical Education; Institute of Industrial Training; the Institute of Art Education; Institute of Pre-School Education; Institute of Non-Russian Education. Also under the direction of the Academy are the K. D. Ushinsky State Library of Education, Moscow (1,000,000 volumes); the Museum of Public Education, Leningrad; the Toy Museum at Zagorsk, Moscow; and the Educational Research Archives.

Academy of Social Sciences: Moscow; f. 1946.

The Academy is organised by the Central Committee of the Communist Party. Subjects: Political Economy, History of Soviet Society; History of International Communist and Workers' Movement; History of the Communist Party; Theory and History of Literature and Art.

K. D. Pamfilov Academy of Municipal Economy: Moscow; f. 1931; Dir. S. S. TIKHOMIROV.

Sections specialising in water supply, public transport, electricity, roads, heating, etc. Research Institute in Leningrad, Rostov-on-Don, Sverdlovsk. Experimental factory in Moscow.

Timiryazev Academy of Agriculture: Moscow; f. 1865.
Studies are arranged under seven faculties.

V. I. Lenin All-Union Academy of Agricultural Sciences (Vaskhnil): Moscow; f. 1929; Pres. PAVEL LOBANOV.

The Academy was reorganised in 1956 and now consists of 6 honorary members, 69 full members and 72 corresponding members. There are also 13 foreign members. It has 151 scientific institutions, divided into six departments: Agriculture, Animal Husbandry, Mechanisation and Electrification of Agriculture, Hydrotechnics and Reclamation, Forestry and Forestry Melioration; Economics and Management of Agricultural Production.

OTHER LEARNED SOCIETIES

The Moscow Society of Naturalists: f. 1805; sections for zoology, botany, geology, hydro-biochemistry, geography, biophysics, palaeontology, histology and experimental morphology.

The Moscow Mathematical Society.

The Moscow Society of Pathophysiologists.

The N. I. Pirogov Society of Surgeons.

The All-Union Society of Neuropathologists and Psychiatrists.

The All-Union Hydrobiological Society.

The All-Union Botanical Society.

The All-Union Mendeleyev Chemical Society.

The All-Union Council of Scientific and Engineering Societies: uniting 22 scientific and engineering societies connected with different industries.

Also in this category are:

The Union of Soviet Writers.

The Union of Soviet Artists.

The Union of Soviet Composers.

The Union of Soviet Sculptors etc.

Two important bodies which, though not learned or professional societies in the strict sense, include some of the outstanding scholars and scientists of the U.S.S.R., are the following adult education organisations:

The All-Union Society for the Dissemination of Political and Scientific Knowledge.

The Union of Societies for Cultural Relations with Foreign Countries.

LIBRARIES AND ARCHIVES

There are nearly 400,000 public libraries in the U.S.S.R. Each of the Union Republics and each of the Autonomous Republics has at least one large public library in its biggest centre of population. All "Palaces of Culture", both those for children and those for adults, have large libraries; the Leningrad Kirov Palace of Culture has some 250,000 vols. Most factories have their own libraries, and there are libraries in the trade union and collective-farm clubs. Remote areas are served by travelling libraries.

All departments of the Academy of Sciences of the U.S.S.R. have large libraries of their own, as have the Academies of Sciences of the Union Republics and the Universities.

The largest libraries in the U.S.S.R. are the public libraries of Moscow and Leningrad and the Central Library of the Academy of Sciences of the U.S.S.R. The Central Library of the Ministry of Health, containing over 500,000 vols., is the largest medical library in the country. The State Scientific Library of the Ministry of Culture and the Library of the All-Union Society for Disseminating Political and Scientific Knowledge are the largest technical libraries.

Leningrad

A. V. Lunacharsky State Theatrical Library: Ul. Zodchego Rossi 2; f. 1756 in the Alexandriisky Theatre, moved to present building in 1889; departments containing 780,000 vols. of plays and works on theatrical subjects, department of French works with first editions of Corneille, Racine and Molière; department of MSS. and Letters by Chekhov, Ostrovsky, Turgenev, Nekrasov; department of Stage Designs by Bakst, Benoit, etc.; department of classical and contemporary fiction based on library presented in 1921 by N. N. Khodotov; Dir. S. A. Morshchikhin.

Central Music Library: Ulitsa Zodchego Rossi 2; contains one of the largest collections in the world of Russian music in MSS., single copies, first editions, etc., 1,500 copies of Russian vaudeville scores, 200 MSS. of ballet scores, and a large collection of opera scores including 1,000 foreign opera; Dir. S. O. Brog.

Library of the Academy of Sciences of the U.S.S.R.: Birzhevaya linia 1, Leningrad, V.O.; f. 1714; 14,800,000 vols.; valuable collection of MSS., incunabula, and early works on natural sciences and mathematics; Dir. M. S. Philipov.

Library of the Leningrad A. I. Hertsen Pedagogical Institute: Naberezhnaya Moyki 48; f. 1918; includes the private collections of several professors; 1,336,000 vols.

Library of the Leningrad House of the Arts: Nevsky pr. 86, Leningrad.

Library of the State Hermitage Museum: Dvortsovaya nab. 34; f. 1762; over 324,000 vols. on all branches of graphic arts during the centuries; Dir. M. A. Gukovsky.

Library of the U.S.S.R. Academy of Arts: Universitetskaya nab. 17, Leningrad, V.O.; f. 1764; 250,000 vols. on art, architecture, applied and folk arts, etc.; a half of which are in foreign languages and including rare 16th- and 17th-century volumes and notable collection of 18th-century works on architecture; Dir. A. Th. Belogolowtzev.

Music Library of the Leningrad Conservatoire: Teatralnaya Ploshchad 3; f. 1862; 63,000 vols., including Russian and foreign works on music and the arts, 125,000 scores including 17th-20th century music by Russian and foreign composers; Dir. E. E. Shvede.

Music Library of the Leningrad State Philharmonic Society: Ul. Brodskogo 7; over 70,000 scores, 10,000 engravings, lithographs and paintings of musicians, composers, etc, over 30,000 newspaper cuttings; Dir. O. O. Geinina.

Scientific A. M. Gorky Library of the Leningrad "A. A. Zhdanov" State University: Universitetskaya nab. 7/9; 3,400,000 vols.; Dir. L. A. Shilaev.

Scientific Library attached to the State Research Institute of Theatre, Music and Cinematography: Isakievskaya Pl. 5; f. 1912; books on theatre, music, cinematography, history of literature, painting, architecture, philosophy, aesthetics; music section contains nearly all Russian musical literature from Glinka to the present day; Dir. N. A. Belozertseva.

Scientific and Technical Library of the Leningrad V. N. Obraztsov Institute for Railway Engineers: Moscovsky Prospect 9; f. 1810; includes several private collections of which 10 per cent are MSS. and rare books, and many original designs for highways, bridges, etc., and architecture, scientific collection of incunabula, Aldines, etc.; 871,000 vols.

State Library of the State Russian Museum: Ploshchad Iskusstv; 26,000 vols. and journals in many languages on the arts, history, politics, etc.; Dir. V. V. Alexeyev.

State M. E. Saltykov-Shchedrin Public Library: Sadovaya ul. 18; f. 1795; over 14,000,000 vols., including a large collection of incunabula and MSS.; Dir. Dr. V. M. Barashenkov.

Moscow

A. M. Gorky Archives: Ulitsa Vorovskogo 25A.

A. M. Gorky Scientific Library of Moscow State University: Leninskie Gory; f. 1756; over 6,000,000 vols., including periodicals; Dir. A. I. Mikhailov.

Archives of the Academy of Sciences of the U.S.S.R.: Leninsky prospekt 4.

Central Scientific Agricultural Library: Orlikov pereulok 1-11; f. 1930; comprehensive collection of publications of Soviet and foreign experimental farms; complete file of Transactions of the Independent Economical Society 1765-1915; serves as a centre for 1,000 libraries in agricultural institutes and experimental stations; 2,500,000 vols.; Dir. A. M. Bochaver.

Central Scientific Library of the Moscow K. A. Timiryazev Agricultural Academy: Novoe Chaussé 51; f. 1865; collection includes rare books on agriculture and the private collections of several prominent agriculturalists; complete files of many Russian and foreign periodicals; 1,700,000 vols.

K. D. Ushinsky State Education Library: B. Tolmachevsky per. 3; f. 1925; 1,300,000 vols., including periodicals; Dir. N. N. Serebrov.

Fundamental Library of the Social Sciences Section of the U.S.S.R. Academy of Sciences: Ulitsa Frunze 11; f. 1918; 8,000,000 vols., including periodicals; sections on philosophy, history, economics, world economics, and world politics, linguistics, archaeology, history of arts, philology; Dir. V. I. Shunkov.

Lenin State Library: Ul. Kalinina 3, and Ulitsa Marksa i Engelsa 14; f. 1862 as the Rumyantsev Library, renamed and reorganised as the Lenin State Library of the U.S.S.R. in 1925; 23,200,000 books, magazines and complete files of newspapers in all the languages of the Soviet Union and 173 foreign languages, and 2,500,000 MSS.; Department of Rare Books includes incunabula, Aldines, palaeotypes, Elzevirs, specimens of earliest Slavonic printing, rare editions of Russian secular

works, etc.; acts as enquiry, loan, and reference centre throughout the U.S.S.R.; Dir. J. P. KONDAKOV; Librarian T. L. POSTREMOVA.

Library of the Central House of the Soviet Army: Ploshchad Kommuny 2; 3,000,000 vols.; acts as centre of advice, research, etc, for all units of the Soviet Army at all times.

All-Union State Library of Foreign Literature: Ul. Razina 12; 3,500,000 vols. in 126 foreign languages, depository for 4,000,000 vols.; Dir. M. I. RUDOMINO.

All Union Patent and Technical Library: Berezhkovskaya nab. 24; f. 1896; 13,000,000 patent descriptions; the only Soviet library which receives Soviet and all foreign patents; Dir. A. N. MOROZOV.

Library of the Moscow State V. I. Lenin Pedagogical Institute: Pirogovskaya ul. 1; collection includes several private individuals' collections on Early Russian Literature, Early Russian History, the Decembrists, and Linguistics; contains special sections on Child Reading Tuition, and on Defective and Handicapped Children; includes 2,000 rare editions of 17th-19th centuries; 942,000 vols.

Moscow Power Institute Library: Krasnokazarmennaya ul. 14; f. 1930; over 1,008,000 vols.

Scientific and Technical Library of the Moscow Institute of Railway Engineers: Ul. Obraztsova 15; f. 1896; over 865,000 vols.

State Central Scientific Medical Library: Pl. Vosstania 1/2; f. 1919; over 13,000,000 vols., including periodicals; Dir. V. M. SOSULNIKOV.

State Central Theatre Library: f. 1922; Pushkinskaya 8/1; 75,000 vols. on theatrical subjects, 21,000 theatrical magazines, 60,000 illustrations and prints, 350,000 filed cuttings, rare editions of Russian plays of the 18th and 19th centuries.

State Public Historical Library: Ul. B. Khmelnitskogo, Starosadsky per. 9; f. 1938; nearly 3,000,000 vols., including 30,000 in Department of Rare Historical Books; Dir. M. K. STAROKADOMSKAYA.

State Public Polytechnical Library: Politekhnichesky proyeze 2; f. 1864; 2,500,000 vols., including periodicals.

State Public, Scientific and Technical Library of the U.S.S.R.: Ministry of Higher Education; f. 1958; over 4,500,000 vols. including periodicals and documents; Dir. E. N. MOROZOVA.

Fundamental Scientific and Technical Library of the Moscow N. E. Bauman Higher Technical School: f. 1830; includes complete files of Russian and foreign technical magazines; over 1,287,000 vols.; 2 brs.

Scientific S. I. Taneev Library of the Moscow P. I. Tchaikovsky State Conservatoire: Ul. Hertsena 13; f. 1866; includes manuscripts of 16th-19th century Italian composers; complete files of many Russian and foreign musical periodicals; over 540,000 vols.

OTHER CITIES

A. S. Pushkin State Public Library of the Kazakh S.S.R.: Alma-Ata, Lenin Prospect II; f. 1931; over 2,000,000 vols. including periodicals; Dir. N. D. DAULETOVA.

K. Marx State Public Library of the Turkmen S.S.R.: Ashkhabad, Ul. Libknechta 48; over 2,000,000 vols. including periodicals; Dir. D. N. SEITNIYAZOVA.

M. F. Akhundov State Public Library of the Azerbaijan S.S.R.: Baku, Ul. Khagani 29; 2,000,000 vols. including periodicals; Dir. S. A. GASHUMOVA.

Fundamental Library of the Azerbaijan S. M. Kirov State University: Baku, Kommunisticheskaya ul. 6; 1,000,000 vols.; Dir. G. G. MIRZOYAN.

Scientific Library of the Chernovtsy State University: Ul. Lesy Ukraini 23, Chernovtsy; over 1,500,000 vols.; Dir. N. V. NIKOLAEV.

Firdousi State Public Library of the Tajik S.S.R.: Dushanbe, Lenin prospect 34; about 1,650,000 vols. including periodicals; Dir. SH. KHAMRAEVA.

A. F. Myashnikyan State Public Library of the Armenian S.S.R.: Erevan, Ul. Teroyana 72; f. 1921; over 5,000,000 vols. including periodicals; Dir. A. M. TIRABYAN.

Fundamental Library of the Academy of Sciences of the Armenian S.S.R.: Erevan, Ul. Berekamutyan 24; 1,600,000 vols.; Dir. A. S. GAROBYAN.

Scientific Library of the Erevan State University: Erevan, Ul. Charentsa 8; about 1,000,000 vols.; Dir. S. N. ARAKELYAN.

N. G. Chernyshevsky State Public Library of the Kirghiz S.S.R.: Frunze, Ul. Karl Marxa 242; over 2,000,000 vols. including periodicals; Dir. A. S. SAGINBAEVA.

Scientific Library of the Irkutsk A. A. Khdanov University: Irkutsk, Gagarina Bulvar 24; over 2,500,000 vols.; Dir. N. K. POTAPOVA.

Central Scientivc Library of the Kharkov A. M. Gorky State University: Kharkov, Pl. Dzerzhinskogo 4; about 2,500,000 vols.; Dir. M. P. KIRYUKHIN.

Korolenko Scientific Library: Kharkov, Ul. Korolenko 18, Ukrainian S.S.R.; f. 1886; about 3,000,000 vols. including periodicals.

Library of the Kharkov V. I. Lenin Polytechnic Institute: Kharkov, Krasnozarmennaya ul. 16; f. 1885; contains autographs by prominent 19th century scientists, including many charts and drawings of the Donetsk coal basin by the brothers Nosov; 1,688,000 vols.; 3 brs.

Library of the Ukrainian Academy of Sciences: Kiev, Ukrainian S.S.R.; over 5,000,000 vols. including periodicals.

C.P.S.U. State Public Library of the Ukrainian S.S.R.: Kiev, Ul. Kirova 1; over 1,000,000 vols.; Dir. I. M. PTITSA.

Scientific Library of the Kiev I.G. Shevchenko State University: Kiev, Vladimirskaya ul. 58; about 1,500,000 vols.; Dir. Y. D. PETRENKO.

Scientific Library of the Kiev Polytechnic Institute: Kiev, Brest-Litovskoe Chaussée 39; f. 1898; includes complete files since 1900 of many Russian and foreign periodicals on chemistry, chemical technology, mining, and metallurgy; 1,107,000 vols.; 3 brs.

N. K. Krupskaya State Public Library of the Moldavian S.S.R.: Kishinev, Kievskaya ul. 78a; over 1,000,000 vols.; Dir. P. T. GANENKO.

Scientific Library of the Kishinev State University: Kishinev, Ul. Pirogova 65; over 1,000,000 vols.; Dir. E. P. VASILCHENKO.

Scientific Library of the Lvov Ivan Franko State University: Lvov, Ul. Dragomanova 5; 2,250,000 vols.; Dir. V. K. POTANCHUK.

V. I. Lenin State Public Library of the Byelorussian S.S.R.: Minsk, Krasnozarmennaya ul. 9; 3,300,000 vols.; Dir. F. V. STEPANYUK.

V. G. Belinsky Fundamental Library of the Byelorussian Academy of Sciences: Minsk. Lenin prospect 66; f. 1925; over 1,000,000 vols.; Dir. M. P. STRIZHONOK.

Library of the Novocherkassk Polytechnic Sergo Ordzhonikidze Institute: Novocherkassk, ul. Prosveshcheniya 132; f. 1907; over 1,036,000 vols. including periodicals; 1 br.

State Public Scientific and Technical Library of the Siberian Department of the Academy of Sciences: Novosibirsk 99, Sovetskaya ul. 20; f. 1959; 8,000,000 vols.; serves as enquiry, loan, research, and co-ordinating centre for 44 of the Academy's Institutes in Siberia and the East; Dir. A. I. RADUGIN.

Library of the Novosibirsk State University: Novosibirsk, 72 Akademgorodok; about 1,000,000 vols.; Dir. V. A. Fedorov.

Scientific Library of the Odessa I. I. Mechnikov State University: Odessa, Ul. Sovetskoy Armii 24; over 2,300,000 vols.; Dir. P. M. Bondarenko.

Library of the Omsk M. I. Kalinin Medical Institute: Omsk, Ul. Lenina 9; f. 1920; includes many private collections; complete files of many Russian and foreign periodicals; about 822,000 vols.

State Public Library of the Latvian S.S.R.: Riga, Ul. Kr. Baron 14; about 3,000,000 vols. including periodicals; Dir. A. A. Deglava.

Fundamental Library of the Latvian Academy of Sciences: Riga, Kommunalnaya ul. 4; f. 1524; includes many MSS., incunabula and rare books; 1,300,000 vols.; Dir. E. M. Arais.

Scientific Library of the Latvian P. Stuchka State University: Riga, Bulvar Kommunarov 4; 1,200,000 vols.; Dir. S. S. Malinkovskaya.

Fundamental Library of the Samarkand Alisher Navoi State University: Samarkand, Bulvar Gorkogo 15; over 1,000,000 vols.; Dir. A. A. Abbasova.

Scientific Library of the Saratov N. G. Chernyshevsky State University: Saratov, Universitetskaya ul. 42; about 2,000,000 vols.; Dir. B. A. Artysevich.

Library of the Ural S. M. Kirov Polytechnic Institute: Sverdlovsk, Vtuzgorodok; f. 1920; contains rare technical books of 18th century; complete files of many technical magazines; over 1,548,000 vols. ; 1 br.

Central Library of the Academy of Sciences of the Estonian S.S.R.: Tallin, Bulvar Estoniya 7; 1,250,000 vols.; Dir. F. I. Kauba.

State Public Library of the Estonian S.S.R.: Tallin, Raamatukoga Pl. I; f. 1940; over 2,000,000 vols.; Dir. R. G. Aare.

Scientific Library of the Tartu State University: Tartu, Toomemaychi; over 2,500,000 vols.; Dir. L. Peep.

Alisher Navoi State Public Library of the Uzbek S.S.R.: Tashkent, Bratskaya ul. 14; over 3,000,000 vols. including periodicals; Dir. D. Tajieva.

Fundamental Library of the Academy of Sciences of the Uzbek S.S.R.: Tashkent, Ul. A. Tukaeva I; f. 1934; about 1,500,000 vols.; Dir. N. G. Umarov.

Fundamental Library of the Tashkent V. I. Lenin State University: Tashkent, Ul. Kuibysheva 8; 1,250,000 vols.

Central Scientific Library of the Academy of Sciences of the Georgian S.S.R.: Tbilisi, Ul. Dzerzhinskogo 8; over 1,500,000 vols.; Dir. V. V. Uznadze.

K. Marx State Public Library of the Georgian S.S.R.: Tbilisi, Ul. Ketskhoveli 5; nearly 8,000,000 vols. including periodicals; Dir. P. M. Kandelaki.

Scientific Library of the Tbilisi State University: Tbilisi, Ul. 1, Chavchavadze 1; about 2,000,000 vols.; Dir. G. Abashidze.

Scientific Library of the Tomsk V. V. Kuibyshev State University: Tomsk, Lenin prospect 34a; about 2,500,000 vols.; Dir. M. P. Filimonov.

Central Library of the Academy of Sciences of the Lithuanian S.S.R.: Vilnius, Ul. K. Pozhelos 2/8; about 1,500,000 vols.; Dir. Y. I. Marunkevichus.

State Public Library of the Lithuanian S.S.R.: Vilnius, Lenin prospect 51; 3,000,000 vols.; Dir. V. Yurgaitis.

Scientific Library of the Vilnius V. Kapsukas State University: Vilnius, Universitetskaya ul. 3; 2,250,000 vols.; Dir. S. P. Vaidinauskaite.

Fundamental Library of the Voronezh State University: Voronezh, Prospect Revolutsii 24; over 1,000,000 vols.; Dir. V. P. Pavlova.

MUSEUMS AND ART GALLERIES

ART AND ARCHITECTURE

Leningrad

Leningrad Municipal Museum: Nab. Krasny Flot 44; f. 1907; contains largest collection of material on the history and practice of city building in the Soviet Union; rare book of 500 drawings of the building of St. Petersburg up to 1836.

Museum Palaces and Parks of Petrodvorets: Petrodvorets, Leningrad Region; 18th century architecture and landscape gardening; Dir. A. A. Grigorieva.

Museum Palaces and Parks in Pushkin: Pushkin, Leningrad Region; many examples of Russian garden architecture, sculpture by Italian and French masters of the 17th. and 18th centuries; Dir. M. A. Pavlov.

Research Museum of the Academy of Art of the U.S.S.R.: Universitetskaya nab. 17; f. 18th century; contains unique collection of architectural models, including those of the Kremlin, the St. Isaac's Cathedral, etc.

State Hermitage Museum: M. Dvortsovaya Naberezhnaya 34; f. 1764 as a court museum; opened to public 1852; richest collection in Soviet Union of the art of prehistoric, ancient Eastern, Graeco-Roman and medieval times; preserves over 2,000,000 objects d'art, including 40,000 drawings, 500,000 engravings; works by Leonardo de Vinci, Raphael, Titian, Rubens and Rembrandt; Dir. B. B. Piotrovsky.

State Russian Museum: Inzhenernaya 4; opened as an Art Museum in 1898; most important collection of Russian Art after the Tretyakov Gallery in Moscow; largest Soviet collection of Russian sculpture, drawings and art of the 18th and early 19th centuries; Dir. V. A. Pushkarev.

Summer Garden and Museum Palace of Peter the Great: 18th century architecture and sculpture; Dir. E. I. Karchagina.

Moscow

Architectural Museum of the State Committee of Building and Architecture: Kalinin Prospect 5; f. 1934; objects: study, collection, care and popularisation of historical architecture, outstanding contemporary work, monumental sculpture and painting; collection and care of documents on architecture and town planning; over 66,000 sheets of architectural drawings, over 253,000 negatives and 400,000 photographs of architectural monuments throughout the world; Dir. V. I. Baldin.

Folk-Art Museum: Ul. Stanislavskogo 7; f. 1885; three sections devoted to (*a*) handicrafts connected with peasant daily life; (*b*) applied arts both ancient and contemporary; (*c*) experimental decorative applied art; nearly 25,000 exhibits; under the jurisdiction of the R.S.F.S.R. Council of Industrial Co-operative Societies; Dir. N. N. Ivanova.

State Museum of Oriental Folk Art: Ul. Obukha 16; f. 1918; large collection of Middle and Far-Eastern art, art of the Soviet Central Asian Republics and Zakavkazie, carpets, textiles, ceramics, etc.; Dir. I. A. Dorofeev.

State Pushkin Museum of Fine Arts: Volkhonka 12; f. 1912; name changed to State Pushkin Museum 1937; second largest collection of ancient Eastern, Graeco-Roman and medieval art and Western European paintings; Dir. I. A. Antonova.

State Tretyakov Gallery: Lavrushensky per. 10; f. 1856; contains richest collection in the world of Russian icons and of the works of Russian and Soviet painters, sculptors and graphic artists; Dir. P. I. LEBEDEV.

STATE CAPITALS

Armenian State Picture Gallery: Ul. Aboviana 2, Erevan, Armenian S.S.R.; Dir. A. CHILINGARIAN.

Azerbaijan R. Mustafaev State Art Museum: Ul. Chkalova 9, Baku, Azerbaijan S.S.R.; Dir. K. M. KYAZIM.

Byelorussian State Art Museum: Pl. Lenina 40, Minsk, Byelorussian S.S.R.; Dir. E. V. ALADOVA.

Georgian State Picture Gallery: Pr. Rustaveli 11, Tbilisi, Georgian S.S.R.; Dir. M. A. KIPIANI.

Georgian State Art Museum: Ul. Ketskhoveli 1, Tbilisi, Georgian S.S.R.; Dir. S. Y. AMIRANISHVILI.

Kazakh T. G. Shevchenko State Art Gallery: Sovietskaya 22, Alma-Ata, Kazakh S.S.R.; Dir. Mrs. PLAKHOTNAYA.

Kiev State Museum of Ukrainian Art: Ul. Kirova 6, Kiev, Ukrainian S.S.R.; Dir. A. T. KNIUKH.

Kiev State Museum of Russian Art: Ul. Repina 9, Kiev, Ukrainian S.S.R.; Dir. O. M. MALASCHENKO.

Kiev State Museum of Western and Eastern Art: Ul. Repina 15, Kiev, Ukrainian S.S.R.; Dir. V. F. OVCHINNIKOV.

Kirghiz State Museum of Fine Art: Pervomaiskaya ul. 90, Frunze, Kirghiz S.S.R.; Dir. K. N. UZUBALIEVA.

Latvian State Museum of Foreign Arts: Pionieru lauk. 3, Riga, Latvian S.S.R.; Dir. M. L. IVANOV.

Lithuanian State Art Museum: Ul. Gorkogo 55, Vilnius, Lithuanian S.S.R.; f. 1941; 70,000 items; Lithuanian art and also Italian, Flemish, German, French and English artists; Dir. P. GUDINAS.

Moldavian State Art Museum: Pr. Lenina 115, Kishinev, Moldavian S.S.R.; Dir. M. P. PETRIK.

State Museum of Latvian and Russian Art: Gorkogo Ul. 10, Riga, Latvian S.S.R.; Dir. A. F. EGLIT.

Tallin State Art Museum: Kadriorg Palace, Ul. Weizenbergi 37, Tallin, Estonian S.S.R.; Dir. C. HION.

Turkmenian State Museum of Fine Art: Pr. Svobody 84, Ashkhabad, Turkmenian S.S.R.

Uzbek State Museum of Art: Gogolya Ul. 101, Tashkent, Uzbek S.S.R.; Dir. S. F. ABDULLAYEV.

OTHER CITIES

Crimean State Museum of Fine Art: Alupka, Krymskoi obl.

Dnepropetrovsk State Art Museum: Ul. Shevchenko 21, Dnepropetrovsk, Ukrainian S.S.R.

Gorky State Art Museum: Nab. im. Zhdanova 3, Gorky.

Kaunas M. K. Chiurlenis State Art Museum: Ul. S. Neres 45, Kaunas, Lithuanian S.S.R.; f. 1925; 200,000 items of Lithuanian art and also Russian, French and Italian artists; Dir. P. A. STAUSKAS.

Kharkov State Art Museum: Sovnarkomovskaya ul. 11, Kharkov, Ukrainian S.S.R.; 8,000 pictures including work by leading Ukrainian and Russian artists; Dir. N. P. ROBOTIAGOV.

Kolomysky State Museum of Folk Art: Iwano-Frankiwska obl., Theaterstrasse 25, Kolomyja, Ukrainian S.S.R.

Lvov State Museum of Ukrainian Art: Ul. Dragomanova 42, Lvov, Ukrainian S.S.R.; Dir. G. D. YAKUSHENKO.

Lvov State Picture Gallery: Ul. Stefanika 3, Lvov, Ukrainian S.S.R.; Dir. B. G. VOZNITSKY.

Odessa State Museum of Western and Eastern Art: Ul. Pushkinskaya 9, Odessa, Ukrainian S.S.R.; Dir. A. K. LIKHLET.

Odessa State Picture Gallery: Ul. Korolenko 5, Odessa, Ukrainian S.S.R.; Dir. O. M. KARPENKO.

State Museum of Palekh Art: Ul. Bakanova 25, selo Palekh, Ivanovsk; Dir. V. T. KOTOV.

Pavlovsk Park and Museum: Pavlovsk, Leningrad obl.; decorations of Russian palaces of the end of the 18th and early 19th centuries.

Perm State Art Gallery: Komsomolsky prospekt 2, Perm.

Saratov A. N. Radishchev State Art Museum: Pl. Radishcheva 39, Saratov.

Sumy State Art Museum: Ul. Lenina 67, Sumy, Ukrainian S.S.R.; Dir. M. M. KOMAROV.

State Ceramic Museum and 18th Century Kuskovo Country House: Kuskovo, Moscow E402.

HISTORY

LENINGRAD

State Museum of the History of Leningrad: Nab. Krasnogo Flota 44; f. 1918; large collection of material on the history and architecture of Leningrad; Dir. L. N. BELOVA.

Historical Artillery Museum: Petropavlosk Fortress.

Museum of the History of Religion and Atheism: Kazanskaya ploshchad 2; f. 1932; Chair. N. P. KRASNIKOV.

MOSCOW

Central Lenin Museum: Pl. Revolyutsii 2; f. 1936; contains documents, photographs, works of art, and other exhibits relating to Lenin's life and work; Dir. F. I. DOLGIH.

Central Museum of the Soviet Army: Pl. Kommuny, 2; covers all aspects of the Soviet Army's history from its foundation to the present day.

(NOTE.—There are other military historical museums in Moscow, the others being the Central Frunze Aviation and Astronautics Museum and Kutuzov House Museum.)

Kremlin Museums: Kremlin; Dir. I. I. TSVETKOV.

Armoury: f. 1906; about 80,000 items of applied decorative art from the 12th century onwards.

Great Kremlin Palace: secular and ecclesiastical architecture of the past five centuries; includes the St. George Hall, the St. Vladimir Hall, the Paradnaya Polovina (reception quarters), Sobstvennaya Polovina (private quarters) and the Terema (old quarters of the Czars).

Kremlin Cathedrals: the cathedrals around the Cathedral Square (Sobornaya Ploshchad) include the following:

Cathedral of the Assumption: 15th century; icons of the 14th-17th centuries; throne of Ivan the Terrible, made by Russian craftsmen in 1551.

Cathderal of the Anunciation: late 15th century, restored 16th century; iconostasis by leading artists of the 15th century.

Archangel Cathedral: 16th century; tombs of Ivan Kalita and other Russian Grand Dukes and Czars.

Bell Tower of Ivan the Great.

Granovitaya Palata (Hall of Facets).

Marx-Engels Museum: Ul. Marksa-Engelsa; f. 1963; 2,000 exhibits descriptive of the lives of Marx and Engels.

Museum of the History and Reconstruction of the City of Moscow: Novaya ploshchad 12; f. 1896 as a museum of Moscow economy based on an exhibition held that year; over 30,000 exhibits—graphic arts, works, plans, MSS., etc.; library of 43,000 books and periodicals; Dir. L. A. JASTRZEMBSKIJ.

Museum of the Revolution: Ul. Gorkogo 21; f. 1924, being developed from "Red Moscow" Exhibition; the "Underground Printing Press of the Central Committee of the Russian Social Democratic Labour Party" Museum and the Krasnaya Presnya Historical Revolutionary Museum are affiliated to the Museum of the Revolution, and the exhibits cover the whole revolutionary history

of Russia from the 19th century onwards and the history of Soviet society to the present day; Dir. Mrs. Tolstichina.

State Historical Museum: 172 Red Square; f. 1873; the only central historical museum in the U.S.S.R., it covers Russian history from ancient times until the 1917 Revolution.

State Museum of Anthropology: Mokhovaya ul. 11.

The Cathedral of St. Basil and the Donskoy Monastery are preserved as museums.

LITERATURE AND EDUCATION

Leningrad

All-Union Pushkin Museum: Naberezhnaya Moiki 12; f. 1938 in Moscow; exhibits illustrating Pushkin epoch and life of the poet; Dir. M. M. Kalaushin.

Museum attached to the Institute of Russian Literature of the U.S.S.R. Academy of Sciences: Ul. Makarova 4, Leningrad.

Pushkin House-Museum: Naberezhnaya Moiki 12; in the flat where the poet died; under supervision of the Institute of Russian Literature of the U.S.S.R. Academy of Sciences; Dir. A. I. Zomozkin.

N. A. Nekrasov House-Museum: Liteiny prospekt 36; f. 1946 in flat where poet lived; exhibits illustrating his life.

Moscow

A. P. Chekhov House-Museum: Sadovaya-Kudrinskaya 6; f. 1954; flat where the writer lived from 1886-1890; branch of the State Literature Museum.

F. Dostoevsky Museum: Ul. Dostoevskogo 2; f. 1928; affiliated to the State Literature Museum; exhibits illustrating Dostoevsky's life, organised in the flat where he lived until sixteen years old; Dir. Y. Kogan.

Gorky Museum: 25A Vorovsky St.; created by special decree of the U.S.S.R. Government in 1937; exhibits illustrating life and work of Gorky; Dir. L. P. Bykovtseva.

L. N. Tolstoy State Museum: 11 Kropotkina Ul.; f. 1911; MSS section contains 170,000 sheets of Tolstoy's writings and nearly 600,000 MSS. and archives material on Tolstoy and his circle; the library of works by, or about, Tolstoy contains nearly 60,000 vols. Nearly 70,000 newspaper cuttings, and 40,000 exhibits in the form of painting, sculpture, photographs, etc.; Dir. S. N. Shatelin.

State Library—Museum of V. V. Mayakovsky: 13/15 Mayakovsky per., Taganskaya Square; f. 1936; flat where Mayakovsky lived; 1,000 exhibits of all kinds, including 269 sheets of MSS. in his hand; reading room with 60,000 vols.

State Literature Museum: Ul. Dimitrova 38; f. 1921 as the Chekhov Museum, in 1925 became one of the sections of the Lenin Library, in 1928 the Literature Museum of the Lenin Library, and in 1934 was amalgamated with the Central Museum of Literature to become the State Literature Museum; the Museum is a research and educational organisation which collects, cares for, studies and publishes material on the history of Russian literature. Mobile Exhibition; Dir. N. Pijashev.

State Museum of N. A. Ostrovsky: 14 Ul. Gorkogo; f. 1940 in the writer's former home.

Tolstoy Residence Museum: 21 Lev Tolstoy Ul.; rooms arranged as they were when the author lived there; 6,000 exhibits; Dir. S. N. Shatelin.

A. S. Pushkin Museum: Ul. Kropotkina 12/2; f. 1957; library, manuscript room, cinema and lecture hall; Dir. A. Z. Krein.

NATURAL HISTORY

Moscow

Moscow State University Museum of Zoology: Ul. Gertsena 6; f. 1791.

Karpinsky Geological Museum: Leninsky prospekt 14/16.

Museum of the Palaeontological Institute: Leninsky prospekt 16; f. 1716; Dir. Prof. J. Orlov.

Planetarium: Sadovaya-Kudrinskaya 5; built 1929.

State Darwinian Museum: Malaya Pirogovskaya Ul. 1; illustrates Darwinism and the theory of evolution; Dir. A. E. Kots.

Timiryazev State Museum of Biology: Malaya Gruzinskaya Ul. 15; Dir. M. Kriajine.

THEATRE AND MUSIC

Leningrad

Museum of the Academic Maly Opera Theatre: Ploshchad Iskusstv. 1.

Museum of the Gorky Bolshoi Drama Theatre: Fontanka 65.

Museum of the Kirov Academic Theatre of Opera and Ballet: Teatralnaya Ploshchad.

Rimsky-Korsakov House-Museum: Tikhuin; f. 1944 in flat where composer was born; exhibits illustrating his life; the Museum runs a seven-year school of music for children.

State Circus Museum: Fontanka 3; f. 1928; over 70,000 exhibits of plans, sketches, paintings; library of Russian and foreign works; section on 18th and 19th century circus in Western Europe and on Soviet circus; Dir. A. Z. Levin.

State Theatrical Museum: Ploshchad Ostrovskogo 6; f. 1908; over 300,000 exhibits depicting the history of Russian and Soviet theatre; Dir. J. Ch. Klish.

Moscow

A. N. Skryabin Museum: 11 Ul. Vakhtangova, The Arbat; opened in 1922 in flat where the composer lived and died; MSS., letters, Skryabin's personal library, etc.

B. V. Shchukin Museum-Room: Flat 11, 8 Ulitsa Shchukina; contains material he had about him during his lifetime as a great actor at the Vakhtangov Theatre.

Central A. A. Bakhrushin State Theatrical Museum: 12/31 Ul. Bakhrushina; f. 1894 as private theatrical collection, handed to Academy of Sciences 1913 and supervised by that body until 1918; now under supervision of the Ministry of Culture of the U.S.S.R.; objects: to collect, house, study and exhibit varied materials on history and theory of theatre; approx. 500,000 exhibits; library of 50,000 vols.; archives of original MSS. of Ostrovsky, Lensky, Stanislavsky, etc; Dir. A. S. Rototaiev.

Museum of the State Academic Maly Theatre: Maly Theatre Building, 1/6 Sverdlov Square; f. 1932, being developed out of 1927 exhibition; illustrates and studies history of the theatre.

MXAT (Moscow Arts Theatre) Museum: 3A proezd Khudozhestvenennogo teatra; f. 1922.

K. S. Stanislavsky Flat-Museum: affiliated to MXAT Museum; f. 1940; deals with Stanislavsky's work and the theatrical career of People's Artist, M. P. Lilina.

Obraztsov's Central State Puppet Theatre Museum: 32 Ulitsa Gorkogo; over 1,200 exhibits dealing with the history of the puppet theatre; puppet theatres of the Soviet Union; and the Central Puppet Theatre itself; Dir. A. Y. Fedotov.

Permanent Tchaikovsky Exhibition, in the Tchaikovsky Concert Hall: 20 Mayakovsky Square; exhibits of the composer's life and works.

State Central Museum of Musical Culture: Georgievsky per. 4; f. 1912, originally the N. Rubinstein Museum of the Moscow Conservatoire, name changed in 1943; objects: to study, examine and propagate the history of musical culture; exhibits include music scores, memoirs, letters, posters, musical instruments; archives contain over 350,000 sheets of music; Dir. E. N. ALEXEYEVA.

Tchaikovsky House Museum: Klin; f. 1894; contains interesting documents and museum treasures associated with the life and work of Tchaikovsky and other Russian musicians; Dir. I. F. KUZNETZOV.

U.S.S.R. State Academic Bolshoi Theatre Museum: Bolshoi Theatre Building, Sverdlov Square; f. 1920; objects: documentation of the work of the Bolshoi Theatre, collection of materials and documents on its history and work, study of history of the theatre.

U.S.S.R. State Collection of Antique String Instruments: Herzen Street 13; f. 1919.

Vakhtangov Museum-Room: houses relics connected with life and work of Vakhtangov in his former home.

Vakhtangov Theatre Museum: history of the Vakhtangov Theatre.

V. I. Nemirovich-Danchenko Flat-Museum: No. 5 Ulitsa Nemirovich-Danchenko; affiliated to MXAT Museum; opened in the producer's flat after his death in 1943.

TECHNOLOGY

Polytechnical Museum: Moscow; f. 1872; history and latest developments in technology; belongs to the All-Union Society "Znanie"; Dir. G. KOZLOV.

(NOTE.—Details of only some of the most important museums have been given above. All large cities of the U.S.S.R. have regional museums, varying in size and variety of exhibits, some specialising in folk art, others in geology or local lore, others in a number of subjects. Many smaller centres also have museums of local lore, flora and fauna museums, etc.)

UNIVERSITIES

AZERBAIJAN S.M. KIROV STATE UNIVERSITY

UL. PATRICE LUMUMBA 23, BAKU, AZERBAIJAN

Founded 1919

Rector: Acad. Prof. Dr. S. F. MEKHTIEV.

Pro-Rectors: Prof. Dr. A. M. ALEKPEROV, Prof. Dr. M. M. EFENDIEV.

Number of teachers: 553, including 36 professors.

Number of students: 6,197 men, 3,577 women, total 9,774.

DEANS:

Faculty of Mechanics and Mathematics: A. GUSEINOV.
Faculty of Physics: M. SARDARLY.
Faculty of Biology: A. TAGI-ZADE.
Faculty of Chemistry: D. GUSEINOV.
Faculty of Geology and Geography: S. SULEIMANOV.
Faculty of History: M. ORUDZHEV.
Faculty of Philology: A. ABDULLAYEV.
Faculty of Oriental Studies: M. ALI-ZADE.
Faculty of Library Science: A. KHALAFOV.
Faculty of Law: M. KHALAFOV.
Faculty of Economics: G. DADASHEV.

PROFESSORS:

Faculty of Mechanics and Mathematics:
AKHMEDOV, K. T. (Differential Calculus).
AMEN-ZADE, Y. A. (Resistance of Materials).
DZHAVADOV, M. A. (Geometry).
EFENDIEV, M. R. (Mathematical Analysis).
GUSEINOV, A. I. (Theory of Variable Functions).
RASULOV, M. L. (Physico-Mathematical Equations).

Faculty of Physics:
MIRZOEV, B. P. (General Physics).

Faculty of Biology:
ALEKPEROV, A. M. (Zoogeography).
BRZHESITSKY, M. V. (Botany).
KASUMOV, M. A. (Botany).
MELIKOV, M. A. (Livestock).
TAGI-ZADE, A. K. (Plant Physiology).

Faculty of Chemistry:
AKHMEDLI, M. K. (Analytical Chemistry).
GUSEINOV, D. A. (Chemical Technology).
ZULFUGARLY, D. I. (Inorganic Chemistry).

Faculty of Geology and Geography:
ALIEV, M. G. (Geodesy).
ASKEROV, A. G. (General Geology).
MEKHTIEV, S. F. (General Geology).
SULEIMANOV, S. M. (Useful Minerals).
SULTANOV, K. M. (Palæontology).
ZAIRI, M. D. (Petrography).

Faculty of History:
AZNAUROV, A. A. (Dialectical and Historical Materialism).
EFENDIEV, M. M. (History of Azerbaijan).
KASUMOV, M. M. (Dialectical and Historical Materialism).
KAZIEV, M. A. (History of Azerbaijan).
MOSESOV, P. B. (Soviet History).
SHAKHMALIEV, E. M. (Mediæval History).

Faculty of Philology:
DZHAFAROV, S. A. (Modern Azerbaijani Language).
GUSEINOV, M. G. (Modern Azerbaijani Language).
MIRZA-ZADE, G. I. (History of the Azerbaijani Language).
PASHAEV, M. D. (Theory of Azerbaijani Literature).

Faculty of Law:
KAGRAMANOV, V. P. (Soviet Criminal Law).

Faculty of Economics:
AKHUNDOV, B. Y. (Political Economy).
DADASHEV, G. A. (Political Economy).
DATIEV, I. M. (National Economic Planning).
TRIBUS, A. A. (Soviet State Budget).

Bashkir State University: Ul. Frunze 32, Ufa, Bashkir A.S.S.R.; f. 1957; faculties of physics and mathematics, biology, geography, history and philology and foreign languages; 215 teachers, 5,600 students.

Byelorussian V. I. Lenin State University: University City, Minsk; f. 1921; faculties of physics and mathematics; biology, chemistry, geography, history, law, linguistics; there is an extra-mural department; 370 teachers, 10,000 students.

Central Asian V. I. Lenin State University: Ul. K. Marxa 32, Tashkent; f. 1920, faculties of physics and mathematics, chemistry, biology, geology and soil science, history, law, lingustics, geography, Oriental studies; there is an extra-mural department; 5,000 students.

Chernovtsy University: Ul. Kotsyubinskogo 2, Chernovtsy, Ukraine; f. 1875; faculties of history, foreign languages, physics and mathematics, chemistry, biology, geography, general science and general engineering; there is an evening department; 5,220 students.

DAGHESTAN V. I. LENIN STATE UNIVERSITY

(Dagestanskij Gosudarstvennyi Universitet)

SOVETSKAYA UL. 8, MAKHACHKALA, DAGHESTAN

Founded 1957

Rector: A. A. ABILOV.

Number of teachers: 341.
Number of students: 5,000.

DEANS:

Faculty of History and Philology: M. A. ALEXBERLI.
Faculty of Physics and Mathematics: A. S. EFENDIYEV.
Faculty of Natural Sciences: V. I. MANEDOVA.
Faculty of Foreign Languages: R. S. MELIX-GUSSEJNOVA.
Faculty of Technology: A. D. MAGOMEDOV.

Dnepropetrovsk State University: Ul. Shevchenkovskaya 59, Dnepropetrovsk, Ukrainian S.S.R.; f. 1918; faculties of physics and mathematics, chemistry, biology, geology and geography, history, linguistics; there is a department of extra-mural studies; 439 teachers, 6,000 students.

Donetsk State University: Universitetskaya Ul. 24, Donetsk; faculties of philology, physics and mathematics, biology, chemistry, history; evening department.

Erevan State University: Ul. Abovyana 104, Erevan; f. 1920; faculties of physics and mathematics, chemistry, biology, geology, history, linguistics, geography, economics, law, foreign languages; 384 teachers, 7,000 students.

Far East State University: Ul. Sukhanova 8, Vladivostock; f. 1923 (closed down 1939 and reopened 1956); faculties of philology, history and law, physics and mathematics, geophysics, chemistry, biology and soil science; evening and extra-mural departments; 261 teachers, 5,000 students.

Gorky N. I. Lobachevsky State University: Arsamasskoye Shosse 17, Gorky; f. 1918; faculties of history and philology, physics and mathematics, chemistry, biology, radio, physics; there is a department of extra-mural studies; 449 teachers, 6,000 students.

Irkutsk V. A. Zhdanov State University: Bulvar Gagarina 20, Irkutsk; f. 1918; faculties of physics and mathematics, chemistry, biology and soil science, geology, geography, law, history and philology; there is a department of extra-mural studies; 3,500 students.

Kabardino-Balkar State University: Ul. Chernyshevskogo 173, Nalchik, Kabardino-Balkar A.S.S.R.; f. 1957; Rector M. BERBEKOV: faculties of history and philology, physics and mathematics, agriculture and building engineering; number of professors 21, number of students 3,145; library of 140,000 vols.; research institutes in nuclear physics and astro-acoustics.

Kazakh S. M. Kirov State University: Ul. Kirova 136, Alma Ata, Kazakh S.S.R.; f. 1934; faculties of physics and mathematics, chemistry, biology, soil science, geography, history, linguistics, economics, law; there is an extra-mural department; 7,240 students.

Kazan V. I. Ulyanov (Lenin) State University: Ul. Lenina 18, Kazan, Tatar S.S.R.; f. 1804; faculties of physics and mathematics, chemistry, biology and soil science, geology, geography, law, history and linguistics; there is an extra-mural department: the University Library contains over 2,000,000 vols.; 4,782 students.

Kharkov A. M. Gorky State University: Ploshchad Dzerzhinskogo 4, Kharkov, Ukrainian S.S.R.; f. 1805; faculties of linguistics, history, foreign languages, physics and mathematics, biology, chemistry, geology, geography, radiophysics; there is an extra-mural department; 7,239 students.

KIEV I. G. SHEVCHENKO STATE UNIVERSITY

VLADIMIRSKAYA 64, KIEV

Founded 1834.

Rector: I. T. SHVETS.

Number of teachers: 80 professors, about 600 others.
Number of students: approx. 11,000.
Library: about 500,000 vols.
Publications: *Nauchnom Yezhegodnike, Vestnike Kievskovo Universiteta*, etc.

The University has eleven faculties: Mechanics and Mathematics, Geography, Physics, Radio-Physics, Chemistry, History and Philosophy, Journalism, Biology, Philology, Geology, Law and Economics.

Attached Institutes: Animal Biology, Astronomical Observatory, two Botanical Gardens, Agro-Biology, Printing and Publishing, Students' Library, Scientific Library, Museums, Electronic-computing Centre, Laboratories, etc.

Kirghiz State University: Ul. Frunze 547, Frunze, Kirghiz S.S.R.; f. 1951; faculties of history, philology, physics, mathematics, geography, soil science, law and economics, foreign languages; 5,225 students.

Kishinev State University: Ul. Pirogova 65, Kishinev, Moldavian S.S.R.; f. 1945; faculties of history and philology, law, economics, physics and mathematics, chemistry, biology and soil science, geology; 2,041 students.

Latvian P. Stuchka State University: Boulevard Rainisa 19, Riga, Latvian S.S.R., telephone: 22141; f. 1919; faculties of biology, chemistry, geography, physics and mathematics, economics and law, history and philology; there is an extra-mural department; 348 professors and teachers, 5,521 students; publs. *Scientific Transactions* (*Zinatniskie Raksti*, Vols. I-XXV, 1949-58).

LENINGRAD "A. A. ZHDANOV" STATE UNIVERSITY (ORDER OF LENIN)

UNIVERSITETSKAYA NAB. 7/9, LENINGRAD

Telephone: A-000-43

Founded 1819.

Rector: Prof. A. D. ALEXANDROV, Member of the Academy of Sciences of the U.S.S.R.
Pro-Rectors: Prof. B. F. BARABANOV, Prof. G. V. EFIMOV.
Librarian: L. A. SHILOV.

Number of teachers: 1,338.
Number of students: 15,230.
Publications: *Vestnik Leningradskogo Universiteta.*

DEANS:

Faculty of Mathematics and Mechanics: Prof. N. N. POLIACHOV.
Faculty of Physics: Prof. A. M. SHUKHTIN.
Faculty of Chemistry: Prof. B. P. NIKOLSKY.
Faculty of Biology: Prof. A. I. TOLMACSHOV
Faculty of Geography: Prof. B. CH. BUINITSKI.
Faculty of Geology: Prof. S. S. KUZNETSOV.
Faculty of History: Prof. V. V. MAVRODIN.
Faculty of Philosophy: Prof. V. P. ROZHIN.
Faculty of Philology: Prof. B. G. REIZOV.
Faculty of Economics: Prof. N. G. POSPELOVA.
Faculty of Law: Doc. S. A. MALININ.
Faculty of Oriental Studies: Prof. M. N. BOGOLIUBOV.

PROFESSORS:

Faculty of Mathematics and Mechanics:
KACHANOV, L. M. (Theory of Elasticity).
NATANSON, I. P. (Mathematical Analysis).
NOVOSELOV, V. S. (Theoretical Astronomy).
NOVOZHILOV, V. V. (Pure and Applied Mechanics).
OGORODNIKOV, K. F. (Stellar Astronomy).
PLISS, V. A. (Differential Equations).
POLIACHOV, N. N. (Theoretical Mechanics).
SMIRNOV, V. I. (Mathematical Physics).
SOBOLEV, V. V. (Astrophysics).
VALANDER ,S. V. (Hydroaeromechanics).

Faculty of Physics:
CHULANOVSKY, V. M. (Theoretical and Applied Spectroscopy).
DZHELEPOV, B. S. (Nuclear Reactions).

FRISH, S. E. (Optics).
FOCK, V. A. (Theoretical Physics).
GROSS, E. F. (Molecular Physics).
KALITIEVSKY, N. I. (General Physcis I).
KONDRATYEV, K. Y. (Physics and the Atmosphere).
LEBEDEV, A. A. (Electrophysics).
MIKHAILOV, I. G. (Ultrasonics).
NEMILOV, Y. A. (Nuclear Reactions).
NOVOZHILOV, Y. V. (Theory of the Nucleus and Elementary Particles).
TSVETKOV, V. N. (Physics of the Polymers).
VESELOV, M. G. (Quantum Mechanics).
VOOKS, M. F. (General Physics II).
YANOVSKY, B. M. (Physics of the Earth's Crust).

Faculty of Chemistry:
DOBRYANSKY, A. F. (Technical Chemistry).
DOMNIN, N. A. (Structure of Organic Compounds).
DYAKONOV, I. A. (Organic Chemistry).
GRIGOROV, O. N. (Colloidal Chemistry).
MOURIN, A. N. (Radiochemistry).
NICOLSKY, B. P. (Physical Chemistry).
SCHUKAREV, S. A. (Inorganic Chemistry).
STORONKIN, A. V. (Theory of Solutions).
TIKHOMIROV, Y. B. (Analytical Chemistry).
YAKUBCHIK, A. I. (High Molecular Chemistry).

Faculty of Biology and Soil:
AIRAPETYANTS, E. SH. (Physiology of Central Nervous System).
CHASTUKHIN, V. Y. (Protozoa).
GERBILSKY, N. L. (Ichthyology and Hydrobiology).
KOLOTILOVA, A. I. (Biochemistry).
LOBASHOV, M. E. (Genetics and Natural Selection).
MAKAROV, P. O. (Biophysics).
MAKAROV, P. V. (Anatomy and Histology).
POLYANSKY, G. I. (Zoology of Invertebrates).
PROKHOROVA, M. I. (Biochemistry).
RAZUMOVSKAYA, Z. G. (Microbiology).
SIMAKOV, V. N. (Soil Science).
SOLDATENKOV, S. V. (Physiology of Plants).
TERENTEV, P. V. (Zoology of Vertebrates).
TOKIN, B. P. (Embryology).
TOLMACHOV, A. I. (Higher Plants).
TRUTNEV, A. G. (Agronomy).
VASILYEV, P. L. (Phsyiology of Man and Animals).

Faculty of Geography:
BUINITSKI, B. CH. (Oceanology).
DAVYDOV, L. K. (Hydrology).
DROZDOV, O. A. (Climatology).
KALYESNIK, S. V. (Physical Geography).
KORTCHAGIN, A. A. (Botanical Geography).
SCHULTZ, S. S. (Geomorphology).
SEMEVSKY, B. N. (Economic Geography).
ZVONARYOV, K. A. (Cartography).

Faculty of Geology:
KOROBKOV, I. A. (Palæontology).
KUKHARENKO, A. A. (Mineralogy).
KUZNETSOV, S. S. (Historical Geology).
LICHKOV, B. A. (Hydrology).
OGNEV, B. H. (General Geology).
SEMYENOV, A. S. (Geophysical Exploration).
SUDOVIKOV. N. G. (Geochemistry).
TATARSKY, V. B. (Crystallography).
YELISEYEV, N. A. (Petrography).

Faculty of History:
ARTAMONOV, M. I. (Archaeology).
GUKOVSKY, M. A. (History of Middle Ages).
KARGER, M. R. (History of Arts).
KOLOBOVA, K. M. (History of Ancient Greece and Rome).
MAVRODIN, V. V. (History of U.S.S.R.).
REVUNIENKOV, V. G. (History of New Times).

Faculty of Philosophy:
ANANIEV, B. G. (Psychology).
CHAGIN, B. A. (History of Philosophy).
ROZHIN, V. P. (Dialectical and Historical Materialism).
SAMARIN, Y. A. (Pedagogics).
TUGARINOV, V. P. (Dialectical and Historical Materialism).

Faculty of Philology:
BAZANOV, V. G. (History of Russian Literature).
IVANOVA, I. P. (English Philology).
MASLOV, V. S. (General Linguistics).
MATUSEVICH, M. S. (Phonetics and Foreign Languages).
MECSHERSKY, N. A. (History of Russian Language).
REIZOV, B. G. (History of Foreign Literatures).
STEBLIN-KAMENSKY, I. I. (Scandinavian Philology).

Faculty of Economics:
POSPELOVA, N. G. (Economics).
TIULPANOV, S. I. (Economics of Modern Capitalism).

Faculty of Law:
KALANDADZE, A. M. (Land Law and Kolkhoz Law).
PETROFF, G. I. (State Law).
SCHARGORODSKY, M. D. (Crininal Law).
TCHEREPAHIN, B. B. (Civil Law).

Faculty of Oriental Studies:
BOLDYREV, A. N. (Iran Philology).
EFIMOV, G. V. (History of Far East (countries)).
KONONOV, A. N. (Turkish Philology).
OLDEROGGE, D. A. (Countries of Africa).
PETRUSHEVSKY, I. P. (History of Near East (countries)).
STRUVE, V. V. (History of Ancient Orient).

Lvov Ivan Franko State University: Ul. Universitetskaya 1, Lvov, Ukrainian S.S.R.; f. 1661; faculties of physics, mathematics and mechanics, biology, chemistry, geography, geology, linguistics, history, foreign languages, law; there is an extra-mural department: library of 800,000 vols.; 8,000 students.

Mordovian State University: Bolshevistskaya ul. 68, Saransk, Mordovinian A.S.S.R.; f. 1957; faculties of history and philology, physics and mathematics, chemistry and biology, electrical engineering, construction, mechanisation of agriculture, agriculture; extra-mural department; 4,000 students.

MOSCOW M. V. LOMONOSOV STATE UNIVERSITY (ORDER OF LENIN)

LENINSKIE GORY, MOSCOW 5

Telephone: 13-9-39-34

Telegraphic Address: Moscow, V-234

Founded 1755

The Faculties of Mechanics and Mathematics, Physics, Chemistry, Biology and Soil Science, Geography and Geology are housed on the Lenin Hills. Those of History, Philology, Philosophy, Economics, Law, Journalism and the Institute of Oriental Languages are at 18-20 Prospekt Marksa in the City centre. The Preparatory Faculty for Foreign Students is in Novye Cheremushki.

Rector: IVAN GEORGIEVIC PETROVSKII.
Vice-Rectors: Prof. E. M. SERGEEV, Prof. N. I. MOKHOV, Docent N. A. SELEZNEV.
Librarian: Prof. A. I. MIKHAILOV.

Number of teachers: 3,700, including 300 professors.
Number of students: 32,000.

Publications: *Vestnik Moscowshogo Universiteta* (10 series), *Bulletin of Moscow Society of Nature's Testers* (2 series).

DEANS:

Faculty of Mechanics and Mathematics: Prof. N. V. YEFIMOV.
Faculty of Biology and Soil Science: Prof. NIKOLAI PAVLOVIC NAUMOV.
Faculty of Geography: Prof. ALEXANDR MAKSIMOVIC RIABCHIKOV.
Faculty of Geology: Prof. ALEXEI ALEXEEVITCH BOGDANOV.
Faculty of Chemistry: Prof. I. F. LUTSENKO.
Faculty of Physics: Prof. VASILII STEPANOVIC FURSOV.
Faculty of History: Prof. IVAN ANTONOVIC FEDOSOV.
Faculty of Philology: Prof. ALEKSEI GEORGIEVIC SOKOLOV.
Faculty of Philosophy: Prof. VASILII SERGEEVIC MOLODTSOV.
Faculty of Economics: Prof. M. V. SOLODKOV.
Faculty of Law: Doc. G. V. IVANOV.
Faculty of Journalism: Doc. YASEN NIKOLAEVITCH ZASURSKII (acting).
Institute of Oriental Languages: Prof. ALEXANDER ALEXANDROVIC KOVALEV.
Preparatory Faculty: Doc. Y. M. RACHINSKII.

PROFESSORS:

Faculty of Mechanics and Mathematics:
ALEKSANDROV, P. S. (Higher Geometry and Topology).
GELFOND, A. O. (Theory of Numbers).
ILIUSHIN, A. A. (Theory of Elasticity).
KLIUSHNIKOV, V. D. (Theory of Plasticity).
KOLMOGOROV, A. N. (Theory of Probability).
KUROSH, A. G. (Higher Algebra).
MARKOV, A. A. (Mathematical Logic).
MENSHOV, D. E. (Functional Theory).
OKHOTSIMSKY, D. E. (Theoretical Mechanics).
PETROV, G. I. (Aeromechanics and Gas Dynamics).
PETROVSKY, I. G. (Differential Calculus).
RAKHMATULIN, K. A. (Gas and Water Dynamics).
RASHEVSKII, P. K. (Differential Geometry).
SEDOV, L. I. (Hydromechanics).
TIKHONOV, A. N. (Computer Mathematics).
YEFIMOV, N. V. (Mathematical Analysis).

Faculty of Biology and Soil Science:
AVDONIN, N. S. (Soil Chemistry).
BELOZERSKY, A. N. (Plant Biochemistry).
DOBROVOLSKY, G. V. (Soil Geography).
DVORIANKIN, F. A. (Darwinism).
GORLENKO, M. V. (Lower Plant Life).
KACHINSKY, N. A. (Soil Physics and Improvement).
KRASILINIKOV, N. A. (Soil Biology).
KUDRIASHOV, L. V. (Higher Plant Life).
LEBEDINSKY, V. L. (Plant and Human Physiology).
LEVINSON, L. B. (acting) (Cytology and Histology).
MAKAROV, V. T. (General Agriculture).
NAUMOV, N. P. (Zoology).
NIKOLSKY, G. V. (Ichthyology).
POPOV, V. V. (Embryology).
ROGINSKII, YA. YA. (Anthropology).
RUBIN, B. A. (Plant Physiology).
SEVERIN, S. E. (Animal Biochemistry).
SHAPOSHNIKOV, V. N. (Microbiology).
SMIRNOV, E. S. (Entomology).
SOLOVIOV, P. E. (Soil Science).
STOLATOV, V. N. (Genetics and Selection).
TARUSOV, B. N. (Biophysics).
TIUREMNOV, S. N. (Geobotany).
VORONIN, L. G. (Higher Nervous Activity).
YASHNOV, V. A. (Hydrobiology).
ZENKEVICH, L. A. (Zoology).

Faculty of Geography:
BYKOV, V. D. (Desert Hydrology).
DOBROVOLSKY, A. D. (Oceanography).
GLAZOVSKAYA, M. A. (Soil Geography).
GVOZDETSKY, N. A. (U.S.S.R. Physical Geography).
KHROMOV, S. P. (Climatology).
LEONTIEV, O. K. (Geomorphology).
MARKOV, K. K. (General Agriculture).
POPOV, A. I. (Geography of Polar Countries).
RIABCHIKOV, A. M. (Physical Geography of Foreign Countries).
SALISHCHEV, K. A. (Geodesy and Cartography).
SAUSHKIN, Y. G. (U.S.S.R. Economic Geography).
VALEV, E. B. (Economic Geography of the Socialist Countries).
VOLSKY, V. V. (Economic Geography of the Capitalist Countries).
VORONOV, A. G. (Biogeography).

Faculty of Geology:
BARSANOV, G. P. (Mineralogy).
BELOV, N. V. (Crystallography).
BOGDANOV, A. A. (Historical and Regional Geology).
GORSHKOV, G. P. (Dynamic Geology).
KONIUKHOV, I. A. (Geology and Geochemistry of Fuel Minerals).
KUDRIAVTSEV, V. A. (Petrography).
KUZNETSOV, E. A. (Petrography).
LANGE, O. K. (Hydrogeology).
ORLOV, Y. A. (Palæontology).
SERGEYEV, E. M. (Engineering Geology).
SMIRNOV, V. I. (Useful Minerals).
VINOGRADOV, A. P. (Geochemistry).
ZABOROVSKY, A. I. (Geophysical Methods in Examining the Core of the Earth).

Faculty of Chemistry:
ALIMARIN, I. P. (Analytical Chemistry).
BALANDIN, A. A. (Organic Catalysis).
EMANUEL, N. M. (Chemical Kinetics).
FRUMKIN, A. N. (Electrochemistry).
GERASIMOV, Y. I. (Physical Chemistry).
KARGIN, V. A. (High Molecular Structures).
KHOMIAKOV, K. G. (General Chemistry).
NESMEYANOV, A. N. (Radiochemistry and Organic Chemistry).
PLATEY, A. F. (Petroleum Chemistry).
REBINDER, P. A. (Colloidal Chemistry).
SPITSYN, V. I. (Inorganic Chemistry).
VERESHAGIN, L. F. (High Pressure Physics and Chemistry).
VOLFKOVICH, S. I. (Chemical Technology).

Faculty of Physics:
ARTSIMOVICH, L. A. (Atomic Physics and Electronic Phenomena).
BELOV, K. P. (General Physics).
BLOKHINTSEV, D. I. (Theory of the Atomic Nucleus).
BOGOLIUBOV, N. N. (Statistical Physics).
DAVYDOV, A. S. (Electrodynamics and Quantum Theory).
DIUBIUK, A. F. (Physics of the Atmosphere).
DUBOSHIN, G. N. (Celestial Mechanics and Gravimetry).
DOBROKLONSKY, S. V. (Physics of Sea and Desert Waters).
GROSHEV, L. V. (Nuclear Spectroscopy).
GUSEV, V. D. (Dissemination of Electromagnetic Waves).
GVOZDOVER, S. D. (Radiotechnics).
IVERONOVA, V. I. (General Physics).
KAPTSOV, N. A. (Electronics).
KISELEV, V. F. (General Physics).
KOLOMENSKY, A. A. (Accelerators).
KONDORSKY, E. I. (Magnetism).
KOROLEV, F. A. (Optics).
KUKARKIN, B. V. (Stellar Astronomy).
KULIKOV, K. A. (Astronomy).
MAGNITSKY, V. A. (Physics of the Earth's Core).
MARTYNOV, D. Y. (Astrophysics).
MIGULIN, V. V. (Theory of Oscillation).
PREDVODITELEV, A. S. (Molecular Physics).
RZHEVKIN, S. N. (Acoustics).
SHALNIKOV, A. I. (Low Temperatures).
SHUBNIKOV, A. V. (Crystal Physics).
STRELKOV, S. P. (General Physics).
TIKHONOV, A. N. (Mathematics).
VAVILOV, V. S. (Semiconductor).
VEKSLER, V. I. (Physics of Elementary Particles).
VERNOV, S. N. (Cosmic Rays).
ZHDANOV, G. S. (Physics of Solids).

Faculty of History:
ARTSIKHOVSKY, A. V. (Archæology).
AVDIEV, V. I. (Ancient History).
FYODOROV-DAVYDOV, A. A. (History of Russian and Soviet Art).
FEDOSOV, I. A. (Russian Capitalist History).
GALKIN, I. S. (Recent and Contemporary History).
KHVOSTOV, V. M. (Ethnography).
LAZAREV, V. N. (History of Foreign Art).
NAIDA, S. F. (Soviet History).
NOVITSKY, G. A. (Russian Feudal History).
RYBAKOV, B. A. (Source Studies).
SAVINCHENKO, N. V. (History of the Soviet Communist Party).
SERGEEV, V. S. (Ancient Languages).
SKAZKIN, S. D. (Medieval History).
VORONKOV, I. A. (History of the Southern and Western Slavs).

Faculty of Philology:
AKHMANOVA, O. S. (English).
BUDAGOV, R. A. (Romance Linguistics).
CHEMODANOV, N. S. (German).
GRINEVA, E. F. (French).
IVASHEVA, V. V. (Foreign Literature).
KONDRASHEV, N. A. (Western and Southern Slavonic Languages).
KRAVTSOV, N. I. (Oral Folk Lore).
LEVKOVSKAYA, K. A. (German).
METCHENKO, A. I. (History of Russian and Soviet Literature).
POPOV, A. N. (Classical Philology).
POSPELOV, G. N. (Theory of Literature).
SHARIF, A. A. (Soviet Folk Literature).
SOKOLOV, A. N. (History of Russian Literature).
STEPANOV, Y. S. (General and Comparative Linguistics).
TSYBENKO, E. Z. (History of Southern and Western Slavonic Literature).
VINOGRADOV, V. V. (Russian).
ZVEGINTSEV, V. A. (Structural and Applied Linguistics).

Faculty of Philosophy:
ALEXEEV, M. N. (Logic).
CHESNOKOV, D. I. (Historical Materialism).
KOVALEV, A. M. (Theory of Scientific Communism).
LEONTIEV, A. N. (Psychology).

MOLODTSOV, V. S. (Dialectical Materialism).
OIZERMAN, T. I. (History of Foreign Philosophy).
OVSIANNIKOV, M. F. (Marxist-Leninist Ethics and Aesthetics).
PANTSKHAVA, I. D. (Theory and History of Atheism and Religion).
SHCHIPANOV, I. Y. (History of Soviet Philosophy).
VASETSKY, G. I. (History of Marxist-Leninist Philosophy).

Faculty of Economics:
NEMCHINOV, V. S. (Mathematical Economic Analysis).
OMAROVSKY, A. G., (Industrial Economics and Planning).
POLIANSKY, F. Y. (History of the National Economy).
SAVINSKY, D. V. (Statistics).
SOKOLOV, M. M. (Agricultural Economy and Planning).
TATUR, S. K. (Accountancy and Nationalised Industries).
TSAGODOV, N. A. (Political Economy).
ZHAMIN, V. A. (Economy of Foreign Countries).

Faculty of Law:
ALEXANDROV, N. G. (Labour Law).
DENISOV, A. I. (Theory of Government and Law).
KAREV, D. S. (Criminal Procedure).
KAZANTSEV, N. D. (Land and Collective Farm Law).
KECHEKIAN, S. F. (History of Government and Law).
KLEINMAN, A. F. (Civil Procedure).
KOROVIN, E. A. (International Law).
KOSLOV, Y. M. (Administrative and Finance Law).
KRAVCHUK, S. S. (State Law).
MENSHAGIN, V. D. (Criminal Law).
ORLOVSKY, P. E. (Civil Law).
VASILIEV, A. N. (Criminology).

Faculty of Journalism:
ARKHIPOV, V. A. (History of Russian Journalism and Literature).
FROLOV, G. N. (acting) (Party and Soviet Newspapers).
KAPTSOV, N. P. (Radio and Television).
POPOV, V. V. (Newspaper Technology and Information Media).
ROSENTAL, E. D. (Russian Language Stylistics).
SACURSKY, Y. N. (Foreign Press and Literature).
SKVORTSOV, I. M. (Newspaper Editing and Publishing).

Institute of Oriental Languages:
DEOPIK, D. V. (Economy and Economic Geography of Eastern Countries).
GOLOVNIN, I. V. (Far Eastern Languages).
GUBER, A. A. (History of South-East and Far East Countries).
IVANOV, M. S. (History of the Countries of the Near and Far East).
KOVALEV, A. A. (Arab Philology).
MAZUR, Y. N. (South-East Asian Languages).
NASILOV, V. M. (Turkish Philology).
OSIPOV, A. M. (History of India).
PEISIKOV, L. F. (Iranian Philology).
ROGACHEV, A. P. (Chinese Philology).
SAZANOVA, N. M. (African Studies).
SOTNIKOV, M. N. (Indian Philology).
SIMONOVSKAYA, L. (Chinese History).

ATTACHED INSTITUTES:

Institute of Astronomy, Institute of Mechanics, Institute of Nuclear Research, Institute of Anthropological Research and Museum, Botanical Garden, Agro-Biological Testing Station, Zoological Museum, Agricultural Museum.

Novosibirsk State University: Academgorodok, Novosibirsk, Siberia; f. 1959; faculties of mechanics and mathematics, physics, natural sciences, geology and geophysics, history and philology; 215 professors, over 3,000 students; Rector ILYA NESTOROVICH VEKUA.

Odessa I. I. Mechnikov State University: Ul. Shchepkina 12, Odessa, Ukrainian S.S.R.; f. 1865; faculties of linguistics, history, foreign languages, physics and mathematics, geography, biology, chemistry; there is an extra-mural department; 6,456 students.

PERM A. M. GORKY STATE UNIVERSITY

UL. GENKELYA 1, PERM

Founded 1916

Rector: Prof. V. F. TIUNOV.

Number of teachers: 302.
Number of students: 6,223.

DEANS:

Faculty of History: Doc. K. S. MAKHANEK.
Faculty of Psychology: Doc. A. A. BELSKY.
Faculty of Law: Doc. A. B. PYBKIN.
Faculty of Physics: Prof. I. G. SHAPOSHNIKOV.
Faculty of Mechanics and Mathematics: Doc. I. B. TSYGANKOV.
Faculty of Chemistry: Doc. A. A. VOLKOV.
Faculty of Biology: Doc. A. I. OBORIN.
Faculty of Geology: Doc. A. K. MALOVICHKO.
Faculty of Geography: Doc. B. A. BALKOV.
Faculty of Economics: Doc. I. S. SANDLER.

"PATRICE LUMUMBA" PEOPLE'S FRIENDSHIP UNIVERSITY

5 DONSKOY PROYESD, 7, MOSCOW

Telephone: 32-06-49

Founded 1960

Vice-Chancellor: Prof. P. YERZIN.

Rector: Prof. SERGEY RUMYANTSEV.

Pro-Rectors: ALEXANDER SHABANOV, RAFAIL ROMANOV, PAUL ERZIN, VICTOR VALTSEFEROV.

Registrar: NIKOLAY ERMACOV.

Number of teachers: 510.
Number of students: 3,200 from 80 countries; optimum 4,000.

DEANS:

Faculty of History and Philology, Economics and Law: ALEXANDER SHABANOV.
Faculty of Physico-Mathematical and Natural Sciences: ABDELHAK GALIULLIN.
Faculty of Medicine: ALEXANDER GROMOV.
Faculty of Engineering: MICHAEL SHKALIKOV.
Faculty of Agriculture: IVAN KUNESTSOV.
Preparatory Faculty: EKATERINA MOTINA.

PROFESSORS:

AVAKOV, A. I. (Technical Sciences).
BARANOV, S. F. (Philological Sciences).
DAMINOVA, A. M. (Geology and Mineralogy).
DERYUGIN, L. N. (Technical Sciences).
DMITRIEV, A. (Physics and Mathematics).
ELISEYEV, V. G. (Medical Sciences).
ELSGOLTS, L. E. (Physics and Mathematics).
GALIULLIN, A. S. (Technical Sciences).
GRATCHEVA, M. S. (Medical Sciences).
HRSHANOVSKY, V. G. (Sociological Sciences).
KIKTENKO, V. A. (Medical Sciences).
KREYTER, V. M. (Mineralogical Sciences).
KUSAKOV, M. M. (Chemical Sciences).
KUSNETSOV, I. M. (Agricultural Sciences).
MINKEVITCH, I. A. (Agricultural Sciences).
PAVLOV, FYODOR FYODOROVITCH (Technical Sciences).
REKATCH, V. G. (Technical Sciences).
RISHKOV, V. V. (Physics and Mathematics).
RUMYANTSEV, S. V. (Technical Sciences).
SEVRYUKOV, N. N. (Technical Sciences).
SHABANOV, A. N. (Medical Sciences).
SHDANOV, D. A. (Medical Sciences).
SIDELNIKOV, V. M. (Philology).
THALISIN, F. F. (Medical Sciences).

Petrozavodsk State University: pr. Lenina 71, Petrozavodsk, Karelo-Finnish S.S.R.; f. 1940; faculties of history and linguistics, physics and mathematics, geology, medicine, agriculture, forestry, engineering; there is an extra-mural department; 2,014 students.

Rostov State University: Ul. F. Engelsa 115, Rostov-on-Don; f. 1917; faculties of physics and mathematics, law, chemistry, biology, geology and soil science, geography, history and linguistics; there is an extra-mural department; 5,805 students.

SARATOV N. G. CHERNYSHEVSKY STATE UNIVERSITY

ASTRAKHANSKAYA 83, SARATOV

Founded 1909.

Rector: R. V. MERTSLIN.

Pro-Rectors: I. S. KAMENOGRADSKI, V. S. VYSHEMIRSKI, I. N. MAKEEV.

Number of teachers: 412.
Number of students: 5,720.

Deans: V. A. OSIPOV, S. A. BACH, A. I. BARABANOV, M. L. KATS, A. V. FORTUNATOV, A. F. NEGANOV, A. V. VOSTRYAKOV, P. E. KHARITONOV.

Professors: V. A. BALAEV, M. N. BOBROVA, G. P. BOEV, V. V. VAGNER, V. S. VASILEV, P. A. VINDER, S. A. GLIKMAN, M. P. GNUTENKO, P. V. GOLYBKOV, Y. Y. DODONOV, V. I. KALININ, V. G. KAMYSHYOVA-ELPATEVSKAYA, M. A. KOVNER, S. G. LEKHITSKI, A. M. LUKYANENKO, A. V. MOROZOV, B. L. PATRUSHEV, E. I. POKUSAEV, A. A. PONOMAREV, A. P. SKAFTYMOV, A. D. STEPYKHOVICH, S. V. FALKOVICH, A. D. FURSAEV, N. G. TCHUDAKOV, A. A. TCHIGURYAEVA.

Faculties: History, Philology, Mechanics and Mathematics, Physics, Chemistry, Biology, Geography, Geology.

Scientific research institutes of Mechanics and Physics, Chemistry, Geology (670 scientific workers).

Tajik V. I. Lenin State University: Prospekt Lenina 17, Dushanbe, Tajik S.S.R.; f. 1948; faculties of history and philology, law, physics and mathematics, chemistry, natural sciences, economics; 4,071 students.

TARTU STATE UNIVERSITY

18 UL. YULIKOOLI, TARTU, ESTONIAN S.S.R.

Central Telephone: 41-20

Founded 1802

Rector: F. D. KLEMENT.
Librarian: L. PEEP.

Number of teachers: 439, including 29 professors.
Number of students: 6,000.

DEANS:

Faculty of Law and Economics: P. J. VIHALEM.
Faculty of History and Philosophy: K. K. SIILIVASK.
Faculty of Mathematics and Physics: A. M. MITT.
Faculty of Medicine: J. M. SAARMA.
Faculty of Physical Culture: F. O. KUDU.
Faculty of Biology and Geography: H. J. MIIDLA.

PROFESSORS:

Faculty of Law:
KADARI, HELMUT (Criminal Law).
UUSTAL, ABNER (Constitutional and Administrative Law).
VIHALEM, PAUL (History of Law).

Faculty of History and Philology:
ALTTOA, VILLEM (Western European Literature and Classical Philology).
ARISTE, PAUL (Finno-Ugrian Languages).
KASK, ARNOLD (Estonian Language).
KONKS, JEAN (General History).
LOTMAN, JÜRI (Russian Literature).
MOOSBERG, HILDA (History of the U.S.S.R.).
RAMUL, KONSTANTIN (Psychology).
VAGA, VOLDEMAR (History of Art).

Faculty of Mathematics and Physics:
KANGRO, GUNNAR (Mathematical Analysis).
KARD, PAUL (Theoretical Physics).
KLEMENT, FEODOR (Experimental Physics).
LEPIK, ÜLO (Theoretical Mechanics).
RÄGO, GERHARD (Applied Mathematics and Mechanics).

Faculty of Biology and Geography:
AUL, JUHAN (Zoology of Vertebrates).
EICHWALD, KARL (Plant Taxonomy and Geobotany).

Faculty of Medicine:
FAINBERG, VLADIMIR (Obstetrics and Gynæcology).
KÄER-KINGISEPP, ELISE (Physiology and Biochemistry).
KARU, ELMAR (Psychiatry).
KASK, MIHKEL (Hygiene).
KINGISEPP, GEORG (Pharmacology).
KÖRGE, KUNO (Internal Diseases).
LINKBERG, ARTUR (Surgery).
RAATMA, ALEKSANDRA (Forensic Medicine).
SAARMA, JÜRI (Psychiatry).
SIIRDE, ELMAR (Oto-Rhino-Laryngology).
VEIDERPASS, NIKOLAI (Galenic Pharmacy and Pharmaceutical Chemistry).

Tashkent V. I. Lenin State University: Ul. Karla Marksa 32; Tashkent; faculties of history, philology, oriental studies, law, mechanics and mathematics, physics, chemistry, biology and soil science, geology, geography; evening and extra-mural department.

Tbilisi State University: Prospekt Chavchavadze 1, Tbilisi; f. 1918; there are faculties of mechanics and mathematics, physics, chemistry, biology, geology and geography, philology, Western European languages, oriental studies, economics, law; there are 10,700 students; the library contains 1,600,000 vols.

Tomsk V. V. Kuibyshev State University: Prospekt Lenina 36, Tomsk; f. 1888; faculties of physics and mathematics, radio-physics, chemistry, biology, geography, geology and soil science, history and linguistics, economics and law; library of over 2,000,000 vols.; there is an extra-mural department, 4,633 students.

Turkmenian A. M. Gorky State University: Prospekt Lenina 31, Ashkhabad, Turkmenian S.S.R.; f. 1950; faculties of philology, history and law, physics and mathematics, biology and geography, oil, mechanics and technology, engineering, physical education; 4,000 students; Rector Dr. BIBI PALVANOVA.

URALS A. M. GORKY STATE UNIVERSITY

UL. KUIBYSHEVA 48A, SVERDLOVSK

Founded 1920

Rector: B. P. KOLESNIKOV.
Pro-Rector: MIKHAIL ADRIANOVITCH BATIN.

Number of teachers: 255, including 17 professors.
Number of students: 4,835.

DEANS:

Faculty of History: VASILIJ JAKOVLEVITCH KRIVONOGOV.
Faculty of Philology: IVAN ALEKSEEVITCH DERGATCHEV.
Faculty of Physics and Mathematics: ANATOLIJ FEDOROVITCH GERASIMOV.
Faculty of Chemistry: MARIJA ANDREEVNA PANJUKOVA.
Faculty of Biology: PAVEL VASILEVITCH LEBEDEV.
Faculty of Economics: VALENTIN MIKHAILOVITCH GOTTLOBER.
Department of Extra-Mural Studies: Dir. ANNA FEDOROVNA KOZMENKO.
Visual Observation Station for Artificial Satellites: KLAVDIA ALEKSANDROVNA BARKHATOVA.

Uzbek Alisher Navoi State University: Boulevard Gorkogo 15, Samarkand, Uzbek S.S.R.; f. 1933; faculties of physics and mathematics, biology, geology and soil science, chemistry, history and linguistics; there is an extra-mural department; 6,500 students.

Uzhgorod State University: Pl. Gorkogo, 46 Uzhgorod, Ukrainian S.S.R.; f. 1945; faculties of history, philology, physics and mathematics, chemistry, biology, medicine; 4,154 students.

VILNIUS V. KAPSUKAS STATE UNIVERSITY

VILNIUS, LITHUANIAN S.S.R.

Telephone: 2-37-79

Founded 1579.

Rector: J. KUBILIUS.

Pro-Rectors: J. GRIGONIS, B. SUDAVICIUS, P. EIGMINAS.

Number of teachers: 613.

Number of students: 11,581, including 6,663 in the extra-mural department.

Faculty of Philology and History: Lithuanian Language and Literature, Russian Language and Literature, Romance and German Philology, History, Archæology, Ethnography, Journalism, Library Science.

Faculty of Law.

Faculty of Economics

Faculty of Physics and Mathematics.

Faculty of Natural Sciences: Biology, Geography, Geology.

Faculty of Medicine.

Faculty of Chemistry.

The University also provides specialised training in various fields of national economy and culture of the country.

Voronezh State University: Universitetskaya Ploshchad 1, Voronezh; f. 1918; faculties of physics and mathematics, law, economics, chemistry, biology, geology and soil science, geography, history and linguistics; there is an extra-mural department; 507 teachers, 8,000 students.

Rector: Prof. B. I. MIKHANTIEV, D.SC., (CHEM.).

YAKUTSK STATE UNIVERSITY

PROSPEKT LENINA 33, YAKUTSK, YAKUTSK A.S.S.R.

Founded 1956.

Rector: I. G. POPOV.

Number of teachers: 183.

Number of students: 2,311.

Deans: SEMYONOV, BASHARIN, BARANOV, ALEKSEEV, KUDRYAVTSEV.

Professors: MORDINOV, KRYLOV, SHAKHOV, FEDOTOV.

Faculties: Arts, Physics and Mathematics, Natural Sciences, Technical, Agricultural.

Publication: ***Yakutski Universitet.***

OTHER HIGHER EDUCATIONAL AND RESEARCH INSTITUTES

AGRICULTURE

(1) GENERAL AGRICULTURAL INSTITUTES

Tselinograd Agricultural Institute: Tselinograd, Kazakhstan; four faculties.

All-Union Extra-Mural Agricultural Institute: Balashikha, Moscow.

All-Union Extra-Mural Agricultural Institute: Moscow.

All-Union Research Institute for Agriculture: 23 Michurin St., Novosibirsk, and 68 Kashgarskaya, Alma-Ata.

Altai Agricultural Institute: Krasnoarmeysky prospekt 98, Barnaul, Altaisk. kr.

Armenian Agricultural Institute: Ul. Teryana 74, Erevan, Armennia S.S.R.

Azerbaijan Agricultural Institute: Ul. Asisbekova 222, Kirovabad.

Azov-Black Sea Agricultural Institute: St. Persyanovka, Rostovsk. obl.

Bashkir Agricultural Institute: Ul. K. Marxa 12, Ufa, Bashkir A.S.S.R

Belaya Tserkov Agricultural Institute: Ploshchad Svobody 7/1, Belaya Tserkov, Ukrainian S.S.R.

Blagoveshchensk Agricultural Institute: Politekhnicheskaya ul. 86, Blagoveshchensk, Amursk obl.

Budennovsk Agricultural Institute: Budennovsk, Stavropolsk. kr.

Byelorussian Agricultural Academy (Order of the Red Banner of Labour): Gorki, Byelorussian S.S.R.; f. 1836; faculties: Agronomy, Agrochemistry, Fruit Growing, Economic Planning, Zootechnics, Engineering, Irrigation, Mechanisation, Pedagogics.

Chuvash Agricultural Institute: Ul. K. Marxa 29, Cheboksary, Chuvash A.S.S.R.

Crimean M. I. Kalinin Agricultural Institute: Ul. Michurina 2, Simferopol, Ukrainian S.S.R.

Daghestan Agricultural Institute: Ul. M. Gajieva, Makhachkala, Daghestan A.S.S.R.

Dnepropetrovsk Agricultural Institute: Ul. 40 Letiya Oktyabrya 25, Dnepropetrovsk, Ukrainian S.S.R.

Estonian Agricultural Academy: Ploshchad V. I. Lenina 1, Tartu, Estonian S.S.R.; f. 1951; 2,700 students; faculties: Veterinary Sciences, Zootechnics, Agronomy, Mechanisation, Forestry; Faculty of Extra-Mural Studies.

Georgian Agricultural Institute: Prospekt Chavchavadze 33, Tbilisi, Georgian S.S.R.

Georgia Institute of Sub-tropical Cultivation: Kelasury, Sukhumi.

Gorky Agricultural Institute: Pl. Minina i Pozharskogo 7/1.

Grodno Agricultural Institute: Akademicheskaya Ul. 10, Grodno, Byelorussia.

Irkutsk Agricultural Institute: Ul. Timinyazeva 59, Irkutsk.

Izhevsk Agricultural Institute: Ul. Kirova 16, Izhevsk.

Ivanovo Agricultural Institute: Sovietskaya ul. 45, Ivanovo.

Kamenets-Podolsk Agricultural Institute: Ul. Shevchenko 19, Kamenets-Podolsk, Ukraine.

Kazakh Agricultural Institute: Prospekt Abaya 8, Alma-Ata, Kazakh S.S.R.

Kazan A. M. Gorky Agricultural Institute: Ul. K. Marxa 65, Kazan, Tatar A.S.S.R.

Kharkov V. V. Dokuchayev Agricultural Institute (Order of the Red Banner of Labour): Ul. Artema 44, Kharkov, Ukrainian S.S.R.

Kherson Agricultural Institute: Alexandrovskaya pl. 2, Kherson, Ukrainian S.S.R.

Kirghiz Agricultural Institute: Kommunalnaya ul. 68-a, Frunze, Kirghiz S.S.R.

Kirov Agricultural Institute: Oktyabrskaya 131, Kirov.

Kishinev Agricultural Institute: Sadovaya 111, Kishinev. Moldavian S.S.R.

Kostroma Agricultural Institute: State Farm Karavaevo, Kostroma, R.S.F.S.R.

Krasnoyarsk Agricultural Institute: Prospekt Mira 88, Krasnoyarsk.

Kuban Agricultural Institute: Ul. Druzhby 107, Karsnodar.

Kurgan Agricultural Institute: Ul. Kuybysheva 55, Kurgan.

Kursk Agricultural Institute: Ul. K. Marxa 74, Kursk.

Kutaisi Agricultural Institute: Kutaisi, Georgian S.S.R.

Kuibyshev Agricultural Institute: Pos. Sovety, St. Kinel, Kuibyshev.

Latvian Agricultural Academy: Ul. V. I. Lenina 2, Elgava, Latvian S.S.R.

Leningrad Agricultural Institute: Komsomolskaya Ul. 14, gor. Pushkin, Leningrad.

Lithuanian Agricultural Academy: Kestucio g-ve 27, Kaunas, Lithuanian S.S.R.

Lugansk Agricultural Institute: Opytnoye polye, Lugansk, Ukrainian S.S.R.

Lvov Agricultural Institute: St. Dublyany, Ukrainian S.S.R.

Moscow Timiryazev Academy of Agriculture (Order of Lenin): Novoe Chaussée 51, Moscow; f. 1865; seven faculties: Agronomy, Agricultural Chemistry and Soil Science, Stockbreeding, Economy, Horticulture, Agro-pedagogical, and Extra-Mural. Twenty-seven research stations and five experimental and instructional farms are attached to the Academy. The Academy's Central Research Library contains 1,335,588 vols.

North Ossetian Agricultural Institute: Timiryazevsky per, 3/5, Ordjonikidze, North Ossetian A.S.S.R.

Novosibirsk Agricultural Institute: Bolshevistskaya 172, Novosibirsk.

Odessa Agricultural Institute: Ul. Sverdlova 99, Odessa, Ukrainian S.S.R.

Omsk S. M. Kirov Agricultural Institute: Zagorodnaya Roshcha, Omsk.

Orenburg Agricultural Institute: Ul. Chelyuskintsev 18, Orenburg.

Penza Agricultural Institute: Botanicheskaya ul. 10, Akhuny, Penza.

Perm Agricultural Institute: Ul. Kommunisticheskaya 23, Perm.

Poltava Agricultural Institute: Ul. Skovorody 1/3, Poltava, Ukrainian S.S.R.

Primorye Agricultural Institute: Zheleznodorozhny Prospekt 42, Ussuriisk.

Ryazan P. A. Kostychev Agricultural Institute: Ul. Sverdlova 26, Ryazan.

Saratov Agricultural Institute: Pl. Revolyutsii 1, Saratov.

Stavropol Agricultural Institute: Ul. Mira 347, Stavropol-Kraievoy.

Sverdlovsk Agricultural Institute: Ul. K. Liebknechta 42, Sverdlovsk.

Tajik Agricultural Institute: Prospekt V. I. Lenina 162, Dushanbe, Tajik S.S.R.

Tashkent Agricultural Institute: Ul. Kirova 22, Tashkent, Uzbek S.S.R.

Tiumen Agricultural Institute: Ul. Respubliki 7, Tiumen.

Turkmenian Agricultural Institute: Pervomayskaya ul. 62, Ashkhabad, Turkmenian S.S.R.

Ukrainian Academy of Agricultural Sciences: Goloseevo Kiev, Ukrainian S.S.R.

Ulyanovsk Agricultural Institute: Novy Venets 1, Ulyanovsk.

Uman Agricultural Institute: Uman, Cherkassy Region, Ukrainian S.S.R.

Uzbek V. V. Kuibyshev Agricultural Institute: Ul. K. Marxa 77, Samarkand, Uzbek S.S.R.

Velikie Luki Agricultural Institute: Ploshchad V. I. Lenina 1, Velikie Luki, Pskov Region.

V. V. Dokuchayev Institute of Agriculture in the Central Black-earth Zone: Talovaya, Voronezh Region, R.S.F.S.R.

Volgograd Agricultural Institute: Institutskaya ul. 8, Volgograd.

Voronezh Agricultural Institute: Ul. Michurina 1, Voronezh.

Yaroslavl Agricultural Institute: Ul. Volodarskogo 103, Yaroslavl.

Zhitomir Agricultural Institute: Oktyabrskaya ul. 9, Zhitomir, Ukrainian S.S.R.

Zonal Research Institute for Agriculture in the North-east of the European part of the U.S.S.R.: Ul. Lenina 166a, Kirov, R.S.F.S.R.

(2) Mechanisation and Electrification

All-Union Research Institute of Agricultural Engineering: Dmitrovskoye chaussée 165; Moscow I-411; Dir. A. Bujanov.

All-Union Research Institute for the Electrification of Agriculture: Herzen St. 21, Moscow J-456, U.S.S.R.

All-Union Research Institute for the Mechanisation of Agriculture: 2 Institutskaya, Moscow, Zh-389.

Azov-Black Sea Institute of Mechanisation and Electrification of Agriculture: Zernograd, Rostovsk. obl.

Chelyabinsk Institute of Mechanisation and Electrification of Agriculture: Krasnaya ul. 38, Chelyabinsk.

Kharkov Institute of Mechanisation of Agriculture: Moscow prospekt 45, Kharkov, Ukrainian S.S.R.

Melitopol Institute of Mechanisation of Agriculture: B. Khmelnitsky 18, Melitopol, Ukrainian S.S.R.

Minsk Institute of Mechanisation of Agriculture: Lenin prospekt 101, Minsk, Byelorussian S.S.R.

Saratov M. I. Kalinin Institute of Mechanisation of Agriculture: Sovetskaya Ul. 60, Saratov.

Taganrog Institute of Mechanisation of Agriculture: Ul. Chekhova 22, Taganrog.

Tashkent Institute of Mechanisation of Agriculture: Uchitelskaya 29, Tashkent, Uzbek S.S.R.

(3) Land Improvement

All-Union A. N. Kostiakov Research Institute of Irrigation and Land Reclamation: Ul. Pryanishnikiva 19, Moscow A-8, R.S.F.S.R.

Kiev Hydro-melioration Institute: Reiterskaya ul. 37, Kiev, Ukrainian S.S.R.

Kuibyshev Institute of Land-Improvement Engineering: Kinel, Kuibyshevsk. obl.

Moscow V. R. Williams Institute of Water Engineering: Ul. Pryanishnikova 19, Moscow.

Novocherkassk Institute of Engineering Amelioration: Pushkinskaya 111, Novocherkassk, Rostovsk. obl.

Ukraine Institute of Water Conservation: Leninskaya ul. 3-b, Rovno.

Ukrainian Research Institute of Hydrotechnics and Land Improvement: Vavilkovskaya 59, Keiv 22, Ukrainian S.S.R.

(4) Zootechnical, Veterinary Science and Livestock Breeding

All-Union Institute of Experimental Veterinary Science: Kuzminki, near Moscow, U.S.S.R.

All-Union Research Institute of Animal Husbandry: Dubrovitsy, near Podolsk, Moscow Region, R.S.F.S.R.

All-Union Research Institute of Veterinary Sanitation: Zvenigorodskoye Chaussee 5, Moscow D-22, U.S.S.R.

All-Union Stockbreeding Research Institute: Ul. 8 Marta 3, Moscow.

Alma-Ata Zootechnical and Veterinary Institute: Prospekt Abaya 24, Alma-Ata, Kazakh S.S.R.

Azerbaidzhanian Research Institute of Livestock Breeding: Kirovabad, Azerbaijan S.S.R.

Buryat Agricultural Institute: Ul. Pushkin 16, Ulan-Ude, Buryat, A.S.S.R.

Eastern Kazakhstan Livestock-breeding Experimental Station: Ul. Ordzhonikidze 7, Semipalatinsk, Kazakh S.S.R.

Erevan Zootechnical and Veterinary Institute: Ul. Nalbandyana 128, Erevan, Armenian S.S.R.

Georgian Zootechnical and Veterinary Institute: Prospekt Chavchavadze 13, Tbilisi, Georgian S.S.R.

Kalinin Regional Livestock-breeding Experimental Station: Andreyevskoye, Kalinin Region, R.S.F.S.R.

Kazan N. E. Bauman Veterinary Institute: Ul. Sibirsky Trakt 2, Kazan, Tatar A.S.S.R.

Kharkov Zootechnical and Veterinary Institute: pos. Dergazhy, Kharkov, Ukrainian S.S.R.

Leningrad Veterinary Institute: Chernigovskaya 5, Leningrad 28, R.S.F.S.R.

Lithuanian Veterinary Academy: Tilžés g. 18, Kaunas 22, Lithuanian S.S.R.

Lvov Zootechnical and Veterinary Institute: Pekarskaya ul. 50, Lvov, Ukrainian S.S.R.

Moscow Veterinary Academy: Kuzminki, Moscow.

Novocherkassk "1st Mounted Army" Zootechnical and Veterinary Institute: Podtelkovsky Prospect 35, Novocherkassk, Rostovsk. obl.

Omsk Veterinary Institute: Oktiabrskaya Ul. 92, Omsk.

Saratov Zootechnical and Veterinary Institute: B. Sadovaya 220, Saratov.

Semipalatinsk Institute of Zootechnics and Veterinary Science: Ul. Uritskogo 17, Semipalatinsk, Kazakh S.S.R.

Troitsk Veterinary Institute: Ul. Gagarina 1, Troitsk, Chelyabinsk. obl.

Vitebsk Veterinary Institute: Ul. Dovatora 7/11, Vitebsk, Byelorussian S.S.R.

Voronezh Zootechnical and Veterinary Institute: Ul. Ordzhonikidze 26, Voronezh.

(5) Forestry

All-Union Scientific Research Institute for Agro-forestry Amelioration: Ulitsa Bogatyrskogo mosta, 13, Moscow B. 13.

All-Union Scientific Research Institute of Forestry and the Mechanisation of Forestry: Pushkino, Moscow Region.

Bryansk Forestry Institute: Sovetskaya 18, Bryansk.

Krasnoyarsk Forestry Institute: Krasnoyarsk.

Ukrainian J. N. Vysotsky Scientific Research Institute of Forestry and Agro-Forestry: ul. Pushinskaya 86, Kharkov, Ukrainian S.S.R.; f. 1930; library of 53,000 vols.; Dir. S. I. Fedorenko; publ. *Forestry and Agro-Forestry Reclamation.*

Voronezh Forestry Institute: Ul. Timiryazeva 8, Voronezh.

(6) Other Agricultural Institutes

All-Union K. K. Gedroits Institute of Manures: Moscow.

All-Union Scientific Research Institute of Agricultural Micro-biology: ulitsa Herzena 42, Leningrad *and* Konyushkovskaya 31, Moscow.

All-Union Scientific Research Institute of Bast Crops: Sumi Region, Glukhov.

All-Union Scientific Research Institute of Cotton-growing: P.O. "Botanica", Tashkent.

All-Union Scientific Research Institute of Grain and its By-products: 9 Dmitrovskoye chaussée, Moscow 8.

All-Union Scientific Research Institute of the Milk Industry: 35 Lusinovskaya, Moscow 193.

All-Union Scientific Research Institute for Fertilisers, Agro-technics, and Agro-soil Science: Akademichesky proyezd 1, Moscow 8 *and* ulitsa Herzena 42, Leningrad.

All-Union Scientific Research Institute for Oil and Essential Oil Crops: Kruglik 1, Krasnodar.

All-Union Scientific Research Institute for Plant-growing: ulitsa Herzena 44, Leningrad.

All-Union Scientific Research Institute for Sugar Beet: Klinicheskaya 25, Kiev 110.

All-Union V. R. Williams Fodder Research Institute: Lugovaya, Moscow.

Michurinsk I. V. Michurin Institute of Horticulture: Internationalnaya ul. 101, Michurinsk, Tambovsk. obl.; f. 1932; library of 125,000 vols.; Rector Prof. K. F. Videnin.

Moscow Institute of Land Management: Ul. Kazakova 15, Moscow.

Potato Research Institute: p.o. Malakhovka, Moskovsk.-Ryazansk. zh. d., Moscow.

Scientific Research Institute of Polar Agriculture: House 18, 17 Kwartal, Noril'sk, Krasnoyarsk.

Scientific Research Institute for Vegetable Growing of the R.S.F.S.R. Ministry of Agriculture: Grachi, Perlovskaya, Moscow Region.

Siberian Scientific Research Institute for Grain-Growing: Omsk.

Ukrainian Horticultural Research Institute: Kitayevo, Kiev, Ukrainian S.S.R.

Ukrainian Scientific Research Institute for Fruit-growing: Kitayevo, Kiev.

Ukrainian Scientific Research Institute of Corn: Dzerzhinsky Street 14, Dnepropetrovsk.

Ukrainian Scientific Research Institute of Vegetable Production: Chaikovsky Street, Kharkov, Ukrainian S.S.R.

CINEMATOGRAPHY

All-Union State Institute of Cinematography: Tretii Selskochosyaistveny Proezd 3, Moscow.

Leningrad Institute for Film Engineers: Ul. Pravdy 13, Leningrad.

ECONOMICS

(1) General Economics and Planning

Azerbaijan Karl Marx State Institute of the National Economy: Pr. Kirova 16, Baku, Azerbaijan S.S.R.

Byelorussian V. V. Kuibyshev State Institute of the National Economy: Ul. Sverdlova 3, Minsk, Byelorussian S.S.R.

Kuibyshev Institute of Planning: Molodogvardeiskaya 194, Kuibyshev.

Moscow G. V. Plekhanov Institute of the National Economy: Stremyanny per. 28, Moscow.

Moscow State Institute of Economics: Ul. Zatsepa 41, Moscow.

Saratov Economics Institute: Pl. Revolyutsii 11, Saratov.

(2) Trade

All-Union Extra-Mural Institute of Soviet Trade: Chapaevsky per. 16, Moscow; has branches in Leningrad Kuibyshev, Saratov, Sverdlovsk, Minsk, Simferopol, Novosibirsk, Khabarovsky, Tbilisi, Kiev, Kharkov, Baku, Alma-Ata, Riga, Erevan, Tashkent. Affiliated Bodies: Alma-Ata, Voronezh, Kazan, Irkutsk, Kishinov, Kuibyshev, Moscow, Novosibirsk, Rostov, Sverdovsk.

Donetsk Institute of Soviet Trade: Ul. Shchorsa 31, Donetsk.

Kharkov Institute of Soviet Trade: Pl. Teveleva 11, Kharkov, Ukrainian S.S.R.

Leningrad Friedrich Engels Institute of Soviet Trade: Kuznechny per. 9, Leningrad.

Lvov Institute of Trade Economics: Ul. Chkalova 10, Lvov, Ukrainian S.S.R.

Moscow Co-operative Institute: Perlovka, Ul. Vtoraya Voksalnaya 12, Moscow Region.

Novosibirsk Institute of Soviet Co-operative Trade: Karl-Marx Pr. 24, Novosibirsk.

Samarkand V. V. Kuibyshev Institute of Soviet Trade: Kommunisticheskaya Ul. 47, Samarkand, Uzbek S.S.R.

(3) FINANCE

All-Union Extra-Mural Institute of Finance: Bolshaya Polyanka 37, Moscow.

Irkutsk Institute of Economics and Finance: Ul. Lenina 11, Irkutsk.

Kazan V. V. Kuibyshev Institute of Economics and Finance: Ul. Butlerova 4, Kazan, Tatar A.S.S.R.

Kiev Institute of National Economy: Brest-Litovskoye Shosse 116A, Kiev, Ukrainian S.S.R.

Leningrad Institute of Economics and Finance: Kanal Griboyedova 30/32, Leningrad.

Moscow Institute of Finance: Pervaya Yaroslavskaya 3, Moscow.

Odessa Institute of Economics and Credit: Ul. Sovietskoy Armii 8, Odessa, Ukrainian S.S.R.

Rostov Institute of Economics and Finance: Ul. Fridrikha Engelsa 77, Rostov-on-Don.

Tashkent Institute of Economics and Finance: Ul. Aria-Paya, pr. Kyrgul 10, Tashkent, Uzbek S.S.R.

(4) STATISTICS

Moscow Institute of Economics and Statistics: Savinsky per. 14, Moscow.

GEOLOGY, METEOROLOGY AND HYDROLOGY

Arctic and Antarctic Scientific Research Institute: Fontanka 34, Leningrad D-104.

All-Union Geological Research Institute: Leningrad.

All-Union Mendeleev Meteorological Research Institute: Moskovski Prospekt 19, Leningrad L-5.

All-Union Scientific Research Institute of Hydrology and Engineering Geology: 32 B. Ordynka, Moscow 2h,-17.

Central Aerological Observatory: Dolgoprudnaya, Moscow.

Central Geophysical Observatory of the U.S.S.R.: Leningrad; f. 1849.

Central Institute of Weather Forecasting: Bolshevistskaya 13, Moscow.

Central Research Institute for Geodesy, Aerial Photography and Cartography: Gorokhovsky per. 4, Moscow.

Leningrad Hydrological Institute: Zanevsky 5, Leningrad.

Leningrad Hydro-Meteorological Institute: Malo-Okhtensky Prospekt 98, Leningrad, K-196.

Moscow S. Ordzhonikidze Institute of Geological Research: Karl Marx Avenue 18, Moscow.

Odessa Hydro-Meteorological Institute: Ul. Kirova 106, Odessa, Ukrainian S.S.R.

State Institute of Oceanography: Kropotkinsky per. 6, Moscow.

GRAPHIC ARTS

Kharkov State Industrial Art Institute: Ul. Krasnoznamyennaya 8, Kharkov, Ukrainian S.S.R.

Kiev State Art Institute: Ul. Smirnova-Lastochkina 20, Kiev, Ukrainian S.S.R.

Leningrad Red Banner Institute of Painting, Sculpture and Architecture (Repin Institute): Universitetskaya Naberezhnaya 17, Leningrad.

Leningrad School of Industrial Art: Solyanov per. 13, Leningrad.

Lvov State Institute of Applied and Decorative Art: Ul. Goncharova 38, Lvov.

Moscow (formerly **Stroganov**) **School of Industrial Art:** Volokolamskoye Chaussée 9, Moscow.

Moscow State Art Institute (Surikov Institute): Tovarishchesky Pereulok 30, Moscow.

Moscow Institute of Architecture: Ul. Zhdanova 11, Moscow.

State Academy of Arts of the Latvian S.S.R.: Bd. Kommunarov 13, Riga, Latvian S.S.R.

State Art Institute of the Lithuanian S.S.R.: Ul. Tiesos 4, Vilnius, Lithuanian S.S.R.

State Institute of Art of the Estonian S.S.R.: Tartu Maantee 1, Tallinn, Estonian S.S.R.

Tbilisi Academy of Arts: Ul. Griboyedova 22, Tbilisi, Georgian S.S.R.

INDUSTRY AND PUBLIC WORKS

(1) POLYTECHNICS AND GENERAL INDUSTRIAL INSTITUTES

All-Union Extra-Mural Polytechnic: Mazutny pr. 22, Moscow.

Altai Polytechnic Institute: Prospekt Lenina 61, Barnaul.

Azerbaijan M. Azizbekov Industrial Institute (Order of the Red Banner of Labour): Ul. Lenina 22, Baku, Azerbaijan S.S.R.

Azerbaijan Polytechnic Institute: Prospekt Narimanov 25, Baku, Azerbaijan.

Byelorussian Polytechnic: Lenin Prospekt 93, Minsk, Byelorussian S.S.R.

Central Asian Polytechnic: Asakinskaya 16, Tashkent. Uzbek S.S.R.

Chelyabinsk Polytechnic: Prospekt Lenina 76, Chelyabinsk.

Donets Polytechnical Institute (Order of the Red Banner of Labour): Ul. Artema 58, Donetsk, Ukrainian S.S.R.

Dushanbe Polytechnical Institute: Ul. Kuibysheva 5, Dushanbe.

Erevan Karl Marx Polytechnic: Ul Teryana 105, Erevan, Armenian S.S.R.

Far-Eastern V. V. Kuibyshev Polytechnic: Pushkinskaya 10 Vladivostok.

Frunze Polytechnic Institute: Ul. Yodoloko-Moldo 17, Frunze, Kirghiz S.S.R.

Georgian V. I. Lenin Industrial Institute: Ul. Lenina 98, Tbilisi, Georgian S.S.R.

Gorky A. A. Zhdanov Polytechnic: Ul. Minina 24, Gorky.

Irkutsk Polytechnic Institute: Ul. Lermontova 83, Irkutsk.

Karaganda Polytechnic Institute: Bulvar Mira 22, Karaganda.

Kaunas Polytechnic Institute: Ul. Donelaichio 73, Kaunas, Lithuania.

Kazakh Polytechnic Institute: Ul. Satpaeva 22, Alma-Ata.

Khabarovsk Polytechnic Institute: Tikhookeanskoe 154, Khabarovsk.

Kharkov Polytechnic Institute (Lenin): Ul. Frunze 21, Kharkov, Ukraine.

Kiev Polytechnic: Brest-Litovsky Prospekt 39, Kiev, Ukrainian S.S.R.

Kirov Extra-Mural Polytechnic Institute: Ul. Kommuny 36, Kirov.

Kishinev Polytechnic Institute: Ul. Lenina 186, Kishinev.

Komsomolsk-on-Amur Evening Polytechnic Institute: Prospekt Lenina 27, Komsomolsk-on-Amur, Khabarovsk.

Kramatorsk General Industrial Institute: Ul. Mayakovskogo 21, Kramatorsk.

Krasnodar Polytechnic Institute: Krasnaya 135, Krasnodar.

Krasnoyarsk Polytechnic Institute: Studgorodok, Krasnoyarsk.

Kuibyshev Polytechnic Institute: Ul. Kuibyshevskaya 153, Kuibyshev.

Kursk Polytechnic Institute: Ul. Chelyuskintsev 19, Kursk.

Leningrad M. I. Kalinin Polytechnic Institute: Politeknicheskaya Ul. 29, Leningrad K-64.

Lvov Polytechnic: Ul. Mira 12, Lvov, Ukrainian S.S.R.

Nizhny Tagil Industrial Institute: Ulyanovskaya 2, Nizhny Tagil, Sverlovsk. obl.

Norilsk Evening General Industrial Institute: Yuznaya Liniya 7, Norilsk.

North-West Extra-Mural Polytechnic Institute: Ul. Khalturina 5, Leningrad.

Novocherkassk S. Ordzhonikidze Polytechnic Institute: Ul. Prosveshchenia 132, Novocherkassk, Rostovsk, obl.

Odessa Polytechnic: Novo Arkadievskaya Ul. 1, Odessa, Ukrainian S.S.R.

Omsk Polytechnic Institute: Ul. Dolgireva 60, Omsk.

Pavlodar General Industrial Institute: Pavlodar.

Penza Polytechnical Institute: Krasnaya 40, Penza.

Perm Polytechnic Institute: Komsomolsky Prospekt 29a, Perm.

Riga Polytechnic Institute: Ul. Lenina 1, Riga, Latvia.

Saratov Polytechnic Institute: Krainyaya Ul. 77, Saratov.

Tajik Polytechnic Institute: Prospekt Kuibysheva 5a, Dushanbe.

Tallinn Polytechnic: Ul. Kalinina 101, Tallinn, Estonian S.S.R.

Tashkent Polytechnic Institute: Ul. Yakuba 16, Tashkent.

Tomsk S. M. Kirov Polytechnic (Order of the Red Banner of Labour): Prospekt Lenina 30, Tomsk.

Tula Polytechnic Institute: Prospekt Lenina 92, Tula.

Turkmen Polytechnic Institute: Ul. N. Ostrovskogo 47, Ashkhabad.

Tyumen Polytechnic Institute: Ul. Volodarskogo 38, Tyumen.

Ukraine Extra-Mural Polytechnic Institute: : Universitetskaya Ul. 16, Kharkov, Ukraine.

Ulyanovsk Polytechnic Institute: Ul. Engelsa 27, Ulyanovsk.

Urals S. M. Kirov Polytechnic: Vtuzgorodok, Sverdlovsk.

Vladimir Evening Polytechnic Institute: Ul. Gorkogo 87, Vladimir.

Volgograd Polytechnic Institute: Prospekt Lenina 28, Volgograd.

Voronezh Evening Polytechnic Institute: Plekhanovskaya 158, Voronezh.

(2) Engineering and Mechanics

All-Union Extra-Mural Machine-Building Institute: 5th Babaevskaya ul. 3-a, Moscow.

All-Union F. E. Dzerzhinsky Research Institute of Heat Engineering (Order of the Red Banner of Labour): Leninskaya sloboda 23, Moscow.

All-Union Research Institute of Water Supply, Drainage, Hydro-Engineering Works and Engineering Hydrogeology: B. Kochki 17a, Moscow.

Altai Agricultural Engineering Institute: Internatsionalnaya 26, Barnaul, Altaisk. kr.

Briansky Institute of Transport Machine-Building: Briansk, Institutskaya Ul. 16.

Central Research Institute of Technology and Engineering: Sharikopodshipnikovaya 2, Moscow.

Chelyabinsk Institute of Mechanical Engineering Ul. Spartaka 44, Chelyabinsk.

Experimental Research Institute of Metal-Cutting Machine Tools: 5-y Donskoy pr. 21b, Moscow.

Kharkov Institute of Mechanical Engineering: Krasnoznamennaya 16, Kharkov, Ukrainian S.S.R.

Leningrad Institute of Mechanics (Order of the Red Banner of Labour): 1-aya Krasnoarmeyskaya Ul. 1/21, Leningrad.

Leningrad Institute of Precision Mechanics and Optics: per. Grivtseva 14, Leningrad.

Leningrad Shipbuilding Institute: Lotsmanskaya 3, Leningrad; f. 1902; library of 30,000 vols.; Rector Prof. E. V. Tovstykh.

Moscow Engineering-Physical Institute: Ul. Kirova 21, Moscow.

Moscow Institute of Automechanics: B. Semyonovskaya 38, Moscow.

Moscow Institute of Electronic Machine Building: Bolshoi Vuzkovski per 3/12, Moscow.

Moscow Machine Tools Institute: Vadkovsky per. 3a, Moscow.

Moscow N. E. Bauman Higher Technical School (Order of the Red Banner of Labour): 2-a Baumanskaya 5, Moscow.

Nikolayev Shipbuilding Institute: Ul. Komsomolskaya 24, Nikolayev, Ukrainian S.S.R.

Odessa Civil Engineering Institute: Ul. Didrikhsona 4, Odessa, Ukrainian S.S.R.

Omsk Engineering Institute: Ul. Dolgireva 60, Omsk.

Rostov Engineering Institute: Pos. Selmash 2, Rostov-on-Don.

State Union Scientific Research and Technological Institute for the Repair and Utilisation of Tractors and Agricultural Machinery (GOSNIT): Gosniti, Moscow G-389

Tula Institute of Mechanics: Ul. Kommunarov 154, Tula.

Volgograd Civil Engineering Institute: Ul. Akademischeskaya 3, Volgograd.

Volgograd Institute of Mechanics: S.T.Z., d.608, Volgograd.

Yaroslavl Technological Institute: Sovetskaya ul. 14, Yaroslavl.

Zaporozhe Machine-Building Institute: Ul. Zhukovskogo 64, Zaporozhe, Ukrainian S.S.R.

(3) Power and Electrical Engineering

All-Union Extra-Mural Institute of Power Engineering: Krasnokazarmennaya ul. 14, Moscow.

Ivanovo V. I. Lenin Institute of Power Engineering: Rabfakovskaya Ul. 34, Ivanovo.

Leningrad V. I. Lenin Institute of Electrical Engineering: Ul. Prof. Popova 5, Leningrad.

Moscow Institute of Power Engineering (Order of Lenin): Krasnokazarmennaya 14, Moscow.

Moscow Physico-Technical Institute: Dolgoprudnaya.

Novosibirsk Institute of Electrical Engineering: Prospect K, Marxa 20, Novosibirsk-73.

(4) Chemistry, Chemical Engineering and Technology

V. Y. Karpov Physical Chemistry Institute: Ul. Obukha 10, Moscow.

Dnepropetrovsk F. E. Dzerzhinsky Institute of Chemical Technology: Lagernaya 2g, Dnepropetrovsk, Ukrainian S.S.R.

Ivanovo Institute of Chemical Technology: Ul. F. Engelsa 7, Ivanovo.

Kazakhstan Technological Institute: Chimkent, Kommunistichesky Prospekt 5, Kazakhstan.

Kazan S. M. Kirov Institute of Chemical Technology: Ul. K. Marxa 68, Kazan, Tatar A.S.S.R.

Leningrad Lensoviet Institute of Technology (Order of the Red Banner of Labour): Zagorodny pr. 49, Leningrad.

Leningrad Technological Institute of the Cellulose and Paper Industries: Novosibirskaya 4, Leningrad.

Moscow D. I. Mendeleyev Institute of Chemical Technology (Order of Lenin): Miusskaya pl. 9, Moscow.

Moscow Institute of Chemical Machine-Building: Ul. K. Marxa 21/4, Moscow B-66.

Moscow M. V. Lomonosov Institute of the Technology of Fine Chemicals: M. Pirogovskaya 1, Moscow.

State Institute of Applied Chemistry: Watnyi 2, Leningrad.

(5) Mining and Metallurgy

Azerbaijan Institute of Oil and Chemistry (Azizbekov Institute): Prospekt Lenina 20, Baku, Azerbaijan.

Central Iron and Steel Research Institute: Tekhnichesky per. 2, Moscow.

Dneprodzerzhinsk Arsenichev Institute of Metallurgy: Pr. Pelina 16, Dneprodzerzhinsk, Ukrainian S.S.R.

Dnepropetrovsk F. A. Artem Mining Institute: Prospekt K. Marxa 21, Dnepropetrovsk, Ukrainian S.S.R.

Dnepropetrovsk Metallurgical Institute: Ul. Gagarina 4, Dnepropetrovsk, Ukrainian S.S.R.

Donets Coal Research Institute of the Ukranian Ministry of Coal: Ulitsa Artema 114, Donetsk, Ukrainian S.S.R.

Fedorov Mining Institute of the Ukrainian Republic's Academy of Sciences: Repin street, Kiev, Ukrainian S.S.R.

Irkutsk Mining and Metallurgical Institute: Ul. K. Zvezdy 5, Irkutsk.

Kalinin Peat Institute: Prospekt Lenina 25, Kalinin.

Karaganda Mining Institute: Boul. Mira 2, Karaganda.

Kazakh Polytechnic Institute: Pl. Lenina 90, Alma Ata, Kazakh S.S.R.

Kemerovo Mining Institute: Vesennyaya ul. 28, Kemerovo.

Kharkov Institute of Mining, Machine Building, Automation and Computing Equipment: Pr. Lenina 14, Kharkov, Ukrainian S.S.R.

Krasnoyarsk Non-ferrous Metals Institute (Kalinin Institute): Vuzovsky per 3, Krasnoyarsk.

Krivoy Rog Ore Mining Institute: Pushkinskaya ul. 37, Krivoy Rog, Ukrainian S.S.R.

Leningrad G. V. Plekhanov Mining Institute (Order of Lenin and Red Banner of Labour): line 21, N.2, Leningrad 26.

Magnitogorsk G I. Nosov Mining and Metallurgical Institute: Prospekt Lenina 38, Yezhovka Magnitogorsk.

Moscow Evening Institute of Metallurgy: 2-y Prolomny pr. 1, Moscow.

Moscow Mining Institute: Leninsky prospekt 6, Moscow.

Moscow Steel and Alloys Institute (Order of the Red Banner of Labour): Leninsky prospekt 6, Moscow B-49.

Moscow M. I. Kalinin Institute of Non-Ferrous Metals and Gold: Krimsky val. 3, Moscow.

North Caucasus Mining and Metallurgical Institute: Vtuzgorodok, Ordzhonikidze, North Ossetian A.S.S.R.

Perm Mining Institute: Komsomolski pr. 51-1, Perm.

Siberian S. Ordzhonikidze Metallurgical Institute: Rudokoprovaya 49, Novokuznetsk 16, Kemerovsk. obl.

Sverdlovsk V. V. Vachrusheva Mining Institute: Pr. Kuibysheva 30, Sverdlovsk.

Tula Mining Institute: Ul. Kommunarov 158, Tula.

Voroshilovsk Institute of Mining and Metallurgy: 48 Prospekt Mira, Kommunarsk, Lugansk Region, Ukraine.

Zhdanov Metallurgical Institute: Ul. Apatova 115, Zhdanov, Ukrainian S.S.R.

(6) Petroleum and Peat

Grozny Petroleum Institute (Order of the Red Banner of Labour): Pl. Ordzhonikidze 100, Grozny.

Moscow I. M. Gubkin Petroleum Institute (Order of the Red Banner of Labour): Leninsky prospekt 6, Moscow.

Moscow Peat Institute: B. Vuzovsky per. 3/12, Moscow.

Ufa Petroleum Institute: Ul. Kosmonavtov 6, Chernikhovk, Bashkir A.S.S.R.

(7) Building and Building Materials

All-Union Extra-Mural Institute of Building Materials: Sredni-Kalitnikovskaya Ul. 30, Moscow.

All-Union Research Institute of Building Ceramics: Moscow.

Chimkent Institute of the Building Industry: Sovetskaya 28, Chimkent, Kazakh S.S.R.

Dnepropetrovsk Institute of Constructional Engineering: Ul. Chernyshevskogo 24a, Dnepropetrovsk, Ukrainian S.S.R.

Gorky V. P. Chkalov Institute of Constructional Engineering: Krasnoflotskaya 65, Gorky.

Kazan Institute of Constructional Engineering: Zelyenaya Ul. 1, Kazan.

Kharkov Institute of Constructional Engineering: Ul. Sumskaya 40, Kharkov, Ukrainian S.S.R.

Kharkov Institute of Municipal Engineering: Ul. Revolyutsii 12, Kharkov, Ukrainian S.S.R.

Kiev Institute of Civil Engineering: Bd. Tarasa Shevchenko 86, Kiev, Ukrainian S.S.R.

Kuibyshev A. I. Mikoyan Institute of Constructional Engineering: Molodogvardeyskaya 194, Kuibyshev.

Leningrad Institute of Civil Engineering (Order of the Red Banner of Labour): 2d Krasnoarmeyskaya ul. 4, Leningrad.

Moscow Mosgorispolkom Institute of Building: Shlyuzovaya nab. 8, Moscow.

Moscow V. V. Kuibyshev Institute of Constructional Engineering (Order of the Red Banner of Labour): Shlyuzovaya nab. 8, Moscow.

Novosibirsk V. V. Kuibyshev Institute of Constructional Engineering: Ul. Leningradskaya 113, Novosibirsk.

Penza Engineering and Building Institute: Rogatka 15, Penza.

Poltava Institute of Constructional Engineering: Pr. 1 Maya 24, Poltava, Ukrainian S.S.R.

Rostov Institute of Constructional Engineering: Sotsialisticheskaya 150, Rostov-on-Don.

Tomsk Institute of Constructional Engineering: Ul. Solyanaya 2, Tomsk.

Ust-Kamenogorsk Road-building Institute: Ulbinskaya nab. 11, Ust-Kamenogorsk, Kazakhstan.

Volgograd Institute of Municipal Economics: Ul. Akademicheskaya 1, Volgograd.

Voronezh Institute of Constructional Engineering: Ul. 20-letya Oktyabrya 84, Voronezh.

(8) Textile and Other Light Industries

All-Union Extra-Mural Institute of the Textile and Light Industries: Vystavochny per. 2, Moscow.

Central Research Institute of the Leather and Footwear Industry: Pyatnitskaya ul. 74, Moscow.

Ivanovo Textile Institute: Ul. F. Engelsa 21, Ivanovo.

Kiev Technological Institute of Light Industry: Ul. Nemirovicha-Danchenko 2, Kiev, Ukrainian S.S.R.

Kostroma Textile Institute: Ul. Dzerzhinskogo 7, Kostroma.

Leningrad S. M. Kirov Textile and Light Industry Institute: Ul. Herzena 18, Leningrad.

Moscow Technological Institute of Light Industry: Ul. Osipenko 33, Moscow.

Moscow Textile Institute: Ul. Donskaya 62, Moscow.

Tashkent Textile Institute: 2 Vyborgskaya ul. 5, Tashkent, Uzbek S.S.R.

(9) FOOD INDUSTRY

All-Union Institute of the Food Industry: Ulyanovskaya Ul. D.30, Moscow.

Astrakhan Technical Institute of Fisheries and the Food Industry: Ul. Tatishcheva 16, Astrakhan.

Far-Eastern Technical Institute of the Fish Industry: Ul. Leninskaya 25, Vladivostok.

Kaliningrad Technical Institute of the Fishing Industry: Sovietsky Prospekt, Kaliningrad.

Kiev A. I. Mikoyan Technological Institute of the Food Industry: Vladimirskaya 68, Kiev, Ukrainian S.S.R.

Krasnodar Institute of the Food Industry: Ul. Krasnaya 135, Krasnodar.

Leningrad Refrigeration Institute: Ul. Lomonosova 9, Leningrad.

Leningrad Technological Institute of the Food Industry: Moskovsky 106, Leningrad.

Moscow A. I. Mikoyan Technical Institute of Fisheries and the Fish Industry: Pryanishnikova 2a, Moscow.

Moscow Technological Institute of the Dairy and Meat Industries: Talalikhina 33, Moscow.

Moscow Technological Institute of the Food Industry: Volokolamskoye Chaussee 21/25, Moscow.

Odessa Institute of the Milling Industry: Ul. Sverdlova 112, Odessa, Ukrainian S.S.R.

Odessa Technological Institute of the Canning and Refrigeration Industry: Ul. Petra Velikogo 1/3, Odessa, Ukrainian S.S.R.

Vologda Dairy Institute: Molochnoye, pr. Schmidta 2, Vologda.

Voronezh Technological Institute: Prospekt Revolutsii 23, Voronezh.

(10) TIMBER INDUSTRY

All-Union Extra-Mural Technical Institute of the Timber Industry: Instititskyi per. 3, Leningrad.

Archangel V. V. Kuibyshev Technical Institute of the Timber Industry: Archangel.

Byelorussian S. M. Kirov Technical Institute of the Timber Industry: Sverdlova 85, Minsk, Byelorussian S.S.R.

Leningrad S. M. Kirov Technical Institute of the Timber Industry: Institutskyi per. 5, Leningrad.

Lvov Technical Institute of the Timber Industry: Lvov, Ul. Pushkinskaya 103, Ukrainian S.S.R.

Moscow Technical Institute of the Timber Industry: St. Stroyitel, Severnoy zh. d., Moskovskaya obl.

Siberian Technical Institute of the Timber Industry: Krasnoyarsk.

Urals Technical Institute of the Timber Industry: Sibirskiy Trakt 5-y kilometre, Sverdlovsk.

Volga A. M. Gorky Technical Institute of the Timber Industry: Ul. Sovetskaya 152, Ioshkar-Ola, Mari A.S.S.R.

(11) OTHER INDUSTRIES

All-Union Thermal Engineering Institute: Moscow.

Moscow Extra-Mural Institute of Printing: Proezd Syerova 5, Moscow.

Moscow Institute of Printing: Prianischnikova 2-a, Moscow A-8.

Ukrainian Institute of Printing: Podvalnaya 17, Lvov Ukrainian S.S.R.

(12) INSTITUTES FOR ENGINEER-ECONOMISTS

Kharkov Institute for Engineer-Economists: Pr. Lenina 9 Kharkov, Ukrainian S.S.R.

Leningrad Institute for Engineer-Economists: Ul. Marata 27, Leningrad.

Moscow S. Ordzhonikidze Institute for Engineer-Economists: Podsosensky per. 20, Moscow.

LAND SURVEYING AND CARTOGRAPHY

Moscow Institute for Engineers in Geodesy, Aerial Photography and Cartography: Gorokhovsky per. 4, Moscow.

Novosibirsk Institute for Engineers in Geodesy, Aerial Photography and Cartography: Ul. Potaninskaya 27, Novosibirsk.

LAW

All-Union Extra-Mural Law Institute: Ul. F. Engels 3/5, Moscow.

Kharkov Law Institute: Pushkinskaya ul. 77, Kharkov, Ukrainian S.S.R.

Saratov D. I. Kursky Law Institute: Ul. M. Gorkogo 45, Saratov.

Sverdlovsk Law Institute: Ul. Malysheva 2-b, Sverdlovsk.

LIBRARIANSHIP AND ARCHIVES

Kharkov Institute of Librarianship: Bursazky Spusk 4, Kharkov, Ukrainian S.S.R.

Leningrad N. K. Krupskaya Institute of Librarianship: Dvortsevaya Nab. 4, Leningrad; 5,100 students, including 550 in the Faculty of Librarianship, 750 in the evening section and over 3,300 in the correspondence section; library of 250,000 vols.; 13 professors.

Moscow Institute for Historian-Archivists: Ul. 25 Oktyabrya 15, Moscow.

Moscow Institute of Librarianship: Pl. Levoberezhnaya, Oktyabrsk. zh. d., Moscow.

LITERATURE

Moscow Literary Institute of the Union of Soviet Writers: Tversk. Bd. 25, Moscow.

MEDICINE

(1) GENERAL MEDICINE

Aktiubinsk State Medical Institute: Ul. Lenina 78, Aktiubinsk.

Alma-Ata Medical Institute: Komsomolskaya Ul. 96, Alma-Ata.

Altai Medical Institute: Prospekt V. I. Lenina 40, Barnaul.

Andizhan Medical Institute: Prospekt Navoi 239, Andizhan, Uzbek S.S.R.

Archangel Medical Institute: Ul. Vinogradova 51, Archangel.

Astrakhan Medical Institute: Ul. Mekhnikova 12, Astrakhan.

Azerbaijan Medical Institute: Ul. Karganova 13, Baku, Azerbaijan S.S.R.

Bashkir "15th Anniversary of the Komsomol" Medical Institute: Ul. Frunze 47, Ufa, Bashkir A.S.S.R.

Blagovestshensk State Medical Institute: Ul. Gorkogo 93, Blagovestshensk-on-Amur.

Chelyabinsk Medical Institute: Ul. Kommuny 35, Chelyabinsk.

Chernovtsy Medical Institute: Teatralnaya pl. 5, Chernovtsy, Ukrainian S.S.R.

Chita Medical Institute: Profsoyuznaya ul. 39-a, Chita.

Crimean Medical Institute: Bd. Lenina 5/7, Simferopol, Ukrainian S.S.R.

Daghestan Medical Institute: Ploshchad im Lenina, Makhachkala, Daghestan A.S.S.R.

Dnepropetrovsk Medical Institute: Ul. Dzerzhinskogo 9, Dnepropetrovsk, Ukrainian S.S.R.

Donetsk Medical Institute: Kalinovka, Makeevskoe Chaussée, Donetsk, Ukrainian S.S.R.

Dushanbe Medical Institute: Ul. Kirova 68/87, Dushanbe, Tajik S.S.R.

Erevan Medical Institute: Ul. Kirova 2, Erevan, Armenian S.S.R.

Gorky S. M. Kirov Medical Institute: Pl. Minina i Pozharskogo 10/1, Gorky.

Grodno State Medical Institute: Ul. Ozheshko 1, Grodno.

Irkutsk State Medical Institute: Ul. Krasnogo Vosstania 1, Irkutsk.

Ivanovo Medical Institute: Ul. Engelsa 8, Ivanovo.

Izhevsk Medical Institute: Revolyutsionnaya 199, Izhevsk, Udmurt A.S.S.R.

Kalinin Medical Institute: Sovietskaya ul. 4, Kalinin.

Karaganda State Medical Institute: Ul. Kirova 18, Karaganda, Kazakh S.S.R.

Kaunas Medical Institute: Ul. Mitskevichaus 9, Kaunas, Lithuanian S.S.R.

Kazakh Medical Institute: Ul. Furmanova 54, Alma-Ata, Kazakh S.S.R.

Kazan Medical Institute: Ul. Butlerova 49, Kazan, Tatar, A.S.S.R.

Kemerovo Medical Institute: Ul. Nazarova 1, Kemerovo Region.

Khabarovsk Medical Institute: Ul. K. Marxa 32, Khabarovsk.

Kharkov Medical Institute: Prospekt Lenina 4, Kharkov, Ukrainian S.S.R.

Kiev A. A. Bogomolets Medical Institute (Order of the Red Banner of Labour): Bd. Shevchenko 18, Kiev, Ukrainian S.S.R.

Kirghiz Medical Institute: Togolok Moldo, Frunze, Kirghiz S.S.R.

Kishinev Medical Institute: Pr. Lenina 165, Kishinev, Moldavian S.S.R.

Kislovodsk Medical Institute: Kislovodsk, Stavropolsk. kr.

Krasnoyarsk Medical Institute: Ul. Partizana Zheleznyaka 1, Krasnoyarsk.

Kuban "Red Army" Medical Institute: Ul. Sedina 4, Krasnodar.

Kursk Medical Institute: Ul. K. Marxa 3, Kursk.

Kuibyshev Medical Institute: Ul. Chapaevskaya 89, Kuibyshev.

1st Leningrad I. P. Pavlov Medical Institute: Ul. L. Tolstogo 6/8, Leningrad.

Leningrad Institute of Sanitation and Hygiene: Ul. Kurakina 1/3, Leningrad.

Leningrad Medical Pediatrics Institute: Litovskaya ul. 2, Leningrad.

Lugansk State Medical Institute: Oboronnaya ul. 1, Lugansk, Ukrainian S.S.R.

Lvov State Medical Institute: Ul. Pekarskaya 71, Lvov, Ukrainian S.S.R.

Minsk State Medical Institute: Prospekt Lenina 6, Minsk, Byelorussian S.S.R.

1st Moscow Medical Institute (Order of Lenin): B. Pirogovskaya 2/6, Moscow.

2nd Moscow Medical Institute: M. Pirogovskaya 1, Moscow.

Moscow Medical Institute of the Health Ministry of the R.S.F.S.R.: B. Gruzinskaya 10, Moscow.

North Ossetian Medical Institute: Pushkinskaya 40, Ordzhonikidze, North Ossetian A.S.S.R.

Novosibirsk Medical Institute: Krasny pr. 59, Novosibirsk.

Odessa N. I. Pirogov Medical Institute: Meditsinsky per. 2, Odessa, Ukrainian S.S.R.

Omsk M. I. Kalinin Medical Institute: Ul. Lenina 9, Omsk.

Orenburg Medical Institute: Sovietskaya Ul. 6, Orenburg.

Perm Medical Institute: Kommunisticheskaya ul. 26, Perm.

Riga Medical Institute: Bulvar Padomyu 12, Riga, Latvian S.S.R.

Rostov Medical Institute: Nakhichevansky pr. 31a, Rostov-on-Don.

Ryazan I. P. Pavlov Medical Institute: Mayakovskogo 7, Ryazan.

Samarkand I. P. Pavlov Medical Institute: Ul. Kommunisticheskaya 35, Samarkand, Uzbek S.S.R.

Saratov Medical Institute: Ul. 20-letya VLKSM 112, Saratov.

Semipalatinsk Medical Institute: Semipalatinsk.

Smolensk Medical Institute: Ul. Glinki 3, Smolensk.

Stanislav Medical Institute: Ul. 1 Maya 7, Stanislav, Ukrainian S.S.R.

Stavropol Territorial Medical Institute: Ul. Mira 310, Stavropol-Kavkazsky.

Sverdlovsk Medical Institute: Ul. Repina 3, Sverdlovsk.

Tashkent Medical Institute: Ul. K. Marza 103, Tashkent, Uzbek S.S.R.

Tbilisi Medical Institute: Ul. Melikishvili 10, Tbilisi-Georgian S.S.R.

Ternopol State Medical Institute: Teatralnaya Pl. 2, Ternopol.

Tomsk Medical Institute: Moskovsky Tract 2, Tomsk.

Turkmenian State Medical Institute: Ul. Shaumyana 58, Ashkhabad, Turkmenian S.S.R.

Ukrainian Filatov Experimental Institute for Diseases of the Eyes: Proletarskii Bul'var 49/51, Odessa, Ukrainian S.S.R.

Vinnitsa Medical Institute: Ul. Pirogova 42, Vinnitsa, Ukrainian S.S.R.

Vitebsk Medical Institute: Prospekt Frunze 42, Vitebsk, Byelorussian S.S.R.

Vladivostok Medical Institute: Sverny Prospekt 2, Vladivostok.

Volgograd Medical Institute: Ploshchad Pavshikh Bortsov 1, Volgograd.

Voronezh Medical Institute: Studentcheskaya ul. 10, Voronezh.

Yaroslavl Medical Institute: Revolutsionnaya ul. 5, Yaroslavl.

(2) PHARMACOLOGY

Kharkov Pharmacological Institute: Ul. Melnikova 12, Kharkov, Ukrainian S.S.R.

Leningrad Pharmacological Institute: Ul. Popova 14, Leningrad.

Moscow Pharmacological Institute: Suvorovsky Bd. 13, Moscow.

Odessa Pharmacological Institute: Ul. Krasnoy Gvardii 17, Odessa, Ukrainian S.S.R.

Perm Pharmacological Institute: Ul. Lenina 48, Perm.

Pyatigorsk Pharmacological Institute: Prospekt Kirova 33, Pyatigorsk, Stavropolsk, kr.

Tashkent Pharmacological Institute: Ul. K. Marxa 85, Tashkent, Uzbek S.S.R.

(3) STOMATOLOGY

Kharkov Stomatological Medical Institute: Pushkinskaya 53, Kharkov, Ukrainian S.S.R.

Moscow Medical Stomatological Institute: Kalyayevskaya 18, Moscow.

(4) MOTHER AND CHILD CARE AND DISEASES OF WOMEN AND CHILDREN

Armenian Gynaecological Institute: Yerevan.

Azerbaijan Institute of Mother and Child Care: 7-a Parallelnaya 17, Baku, Azerbaijan S.S.R.

Byelorussian Maternity and Child Welfare Institute: Ul. Krasnoarmeiskaya 34, Minsk.

Central Research Institute of Mother and Child Care: Obolensky per. 10, Moscow.

Gorky Region Institute of Mother and Child Care: Ul. Semashko 22, Gorky.

Institute of Obstetrics and Gynaecology: B. Pirogovskaya 2/6, Moscow.

Kazakhstan Maternity and Child Welfare Institute: Ul. Mnogovodnaya 17, Alma Ata.

Kharkov Research Institute of Mother and Child Care: Kharkov, Ukrainian S.S.R.

Lvov Research Institute of Mother and Child Care: Ul. Lysenko 31, Lvov, Ukrainian S.S.R.

Moscow Gynaecological Institute: B. Pirogovskaya, Moscow.

Moscow Regional Gynaecological Institute: Lepechinsky Tupik, Moscow.

Odessa Research Institute of Mother and Child Care: Odessa, Ukrainian S.S.R.

Pædiatric Research Institute: Ul. Prof. Popova 9, Leningrad.

Paediatric Research Institute: Ul. Kropotkina 37, Moscow.

Rostov Region Pædiatric Research Institute: Dolomanovsky per. 142, Rostov-on-Don.

Sverdlovsky Maternity and Child Welfare Institute: Pl. Kommunarov, Sverdlovsk.

Turner Child Orthopædics Research Institute: Lakhtinskaya 10/12, Leningrad.

Ukrainian Buyko Institute of Mother and Child Care: Vozdukhoflotskoye Chaussee 24, Kiev, Ukrainian S.S.R.

(5) TUBERCULOSIS

Azerbaijan Institute of Tuberculosis: Prospekt Lenina 83, Baku.

Byelorussian Institute of Tuberculosis: Ul. Karla Liebknechta, Minsk.

Georgian Institute of Tuberculosis: Per. Motina 4, Tbilisi.

I. M. Sechenov Climatotherapy Institute of Tuberculosis: Ul. Massandrovskaya 42, Yalta.

Kazakhstan Institute of Tuberculosis: Ul. Gorodskaya 5, Alma Ata.

Kharkov Tuberculosis Research Institute: Ul. Chernyshevskaya 83, Ukrainian S.S.R.

Kirgizia Institute of Tuberculosos: Frunze.

Leningrad Institute of Surgical Tuberculosis and Diseases of the Bones and Joints: Institutskaya 6, Leningrad.

Leningrad Institute of Tuberculosis: Ligovsky Pr. 4/2, Leningrad.

Lithuanian Republican Institute of Tuberculosis.

Lvov State Tuberculosis Research Institute: Ul. Engelsa 22, Lvov, Ukrainian S.S.R.

Moscow Region Tuberculosis Institute: N. Bozhedomka 4, Moscow.

Novosibirsk Institute of Tuberculosis: Ul. Chaplygina 75, Novosibirsk.

Odessa Tuberculosis Research Institute: Ul. Belinskogo 11, Odessa, Ukrainian S.S.R.

Sverdlovsk Tuberculosis Research Institute: Ul. Tolmacheva 30, Sverdlovsk.

Uzbekistan Anti-Tuberculosis Institute: Ul. Remyoslennaya 3, Tashkent.

(6) EPIDEMIOLOGY AND MICROBIOLOGY

Archangel Institute of Epidemiology, Microbiology and Hygiene: Pr. Ch.-Luchinskogo 32, Archangel.

Armenian Institute of Epidemiology and Hygiene.

Ashkhabad Institute of Epidemiology and Hygiene: Ul. Pervomaiskaya 137, Ashkhabad.

Azerbaijan Institute of Epidemiology, Microbiology and Hygiene: Ul. Djafara Djabarli 35, Baku.

Byelorussian Institute of Microbiology, Epidemiology and Hygiene: Myasnikova 72, Minsk, Byelorussian S.S.R.

Central Asian Institute of Microbiology and Epidemiology: Chaussee Aeroporta, Alma-Ata, Kazakh S.S.R.

Chitinsk Institute of Epidemiology, Microbiology and Hygiene.

Dnepropetrovsk Institute of Epidemiology, Microbiology and Hygiene (Gamaley Institute): Prospekt Karla Marxa 2, Dnepropetrovsk.

Dushanbe Institute of Epidemiology and Hygiene: Dushanbe, Tajik S.S.R.

Gamaleya Institute of Epidemiology and Microbiology: M. Shukinskaya 13, Moscow.

Gorky Institute of Epidemiology and Microbiology.

Kirgiz Institute of Epidemiology, Microbiology and Hygiene: Kirgizskaya 55, Frunze, Kirgiz S.S.R.

Kazan Institute of Epidemiology, Microbiology and Hygiene.

Khabarovsk Institute of Epidemiology and Hygiene.

Kuibyshev Institute of Epidemiology, Microbiology and Hygiene: Chapayevskaya 87, Kuibyshev.

Leningrad Institute of Epidemiology, Microbiology and Hygiene (Pasteur Institute): Leningrad, Ul. Mira 14.

Lvov Research Institute of Epidemiology and Microbiology: Lvov, Ukrainian S.S.R.

Moldavian Institute of Epidemiology, Microbiology and Hygiene.

Moscow Mechnikov Institute of Epidemiology, Microbiology and Hygiene: Ul. Chernyshevskogo 44, Moscow.

Rostov Institute of Epidemiology, Microbiology and Hygiene.

Sverdlovsk Institute of Epidemiology, Microbiology and Hygiene: Ul. R. Luxemburga 75, Sverdlovsk.

Ukrainian Institute of Epidemiology, Microbiology and Hygiene: Ul. S. Razina 4, Kiev, Ukrainian S.S.R.

Uzhgorod Institute of Epidemiology, Microbiology and Hygiene: Ul. Grabarya 4, Uzhgorod.

Vladivostok Institute of Epidemiology, Microbiology and Hygiene.

(7) EYE DISEASES

Azerbaijan Research Institute of Ophthalmology: Kommunistichesky per. 5, Baku.

Chuvash Eye Diseases Research Institute: Ul. Sespelya 27, Cheboksary, Chuvash S.S.R.

Leningrad Institute of Eye Diseases: Mokhovaya 38, Leningrad.

State Scientific Helmholtz Eye Diseases Research Institute: Sadovo-Chernogryazskaya 14/19, Moscow.

Turkmenian Eye Diseases Research Institute: Ul. Soyuznaya 32/2, Ashkhabad, Turkmenian S.S.R.

Ufa Trachoma Institute: Pushkinskaya Ul. 20, Ufa.

Ukraine Experimental Institute for Eye Diseases and Tissue Therapy: Proletarsky Bulvar 49-51, Odessa.

(8) Dermatology and Venereal Diseases

Byelorussian Institute for Skin and Venereal Diseases.

Central Institute of Dermatology and Venereal Diseases: Ul. Korolenko 3, Moscow.

Gorky Institute for Skin and Venereal Diseases: Ul. Kovalikhinskaya 49, Gorky.

Gruzia Institute of Skin and Venereal Diseases: Tbilisi.

Kazakhstan Skin and Venereal Diseases Institute: Ul. Tsentralnaya 38, Alma Ata.

Odessa Glavche Research Institute of Dermatology and Venereal Diseases: Ul. Polevaya 3, Krasnaya Slobodka, Odessa, Ukrainian S.S.R.

The Leningrad Research Institute of Antibiotics: Pr. Ogorodnikova 23, Leningrad; Dir. A. N. Klimov.

Sverdlovsk Region Institute of Dermatology and Venereal Diseases: Ul. K. Liebknechta 9, Sverdlovsk.

Turkmenistan Skin and Venereal Diseases Institute: Ul. Pervomaiskaya 77, Ashkhabad.

Ufa Skin and Venereal Diseases Institute: Ul. Frunze 43, Ufa.

Ukraine Skin and Venereal Diseases Institute: Ul. K. Marxa 17, Kharkov.

Uzbekistan Republican Skin and Venereal Diseases Institute: Kafanova 104, Tashkent.

(9) Hæmatology and Blood Transfusion

Armenian Blood Transfusion Institute.

Azerbaijan Blood Transfusion Institute.

Byelorussian Blood Transfusion Institute: Pr. Stalina 104, Minsk.

Central Institute of Hæmatology and Blood Transfusion: Novozykovsky pr. 4, Moscow.

Kiev Blood Transfusion Research Institute: Ul. K. Liebknechta 39, Kiev, Ukrainian S.S.R.

Leningrad Blood Transfusion Institute: 2-a Sovetskaya ul. 16, Leningrad.

Lvov Institute of Blood Transfusion and Emergency Surgery: Ul. Pushkina 45, Lvov, Ukrainian S.S.R.

Uzbekistan Blood Transfusion Institute: Ul. Yaselnaya 51, Tashkent.

(10) Orthopædics, Traumatology and Surgery

Armenian Institute of Orthopædics and Traumatology.

A. V. Vishnevsky Institute of Surgery: B. Serpukhovskaya 27, Moscow.

Azerbaijan Institute of Orthopædics and Restorative Surgery: Nagornaya 21, Baku 5.

Central Artificial Limb Research Institute: 2-y Donskoy pr. 4a, Moscow.

Central Institute of Traumatology and Orthopædics: Ul. Priorova 2, Moscow; ten clinics; Dir. Prof. M. V. Volkov.

Donetsk Scientific Research Institute of Traumatology and Orthopdæics: Ul. Artema 106, Donetsk.

Georgia Institute of Traumatology and Orthopædics: Ul. Kalinina 51, Tbilisi.

Gorky Institute of Restorative Surgery, Orthopædics and Traumatology: Nab. im. Zhdanova 18, Gorky.

Irkutsk Institute of Orthopædics and Traumatology: Ul. Revoliutsii 1, Irkutsk.

Kazan State Institute of Orthopædics and Traumatology: B. Galaktionovskaya 3, Kazan.

Kharkov M. I. Sitenko Research Institute of Prosthetics, Orthopædics and Traumatology: Pushinskaya ul. 80, Kharkov-24, Ukrainian S.S.R.; f. 1907; Dir. A. A. Korzh.

Kharkov Research Institute of General and Urgent Surgery: Chernyshevskaya ul. 7/9, Kharkov.

Kiev Research Institute of Neurosurgery: Kiev, Ukrainian S.S.R.

Latvian Institute of Orthopædics and Restorative Surgery.

Leningrad A. L. Polenov Neurosurgical Research Institute: Ul. Mayakovskogo 12, Leningrad; Dir. Prof. Ugrumov.

Leningrad Artificial Limb Research Institute: Pr. K. Marxa 9/12, Leningrad.

Leningrad Institute of Traumatology and Orthopædics: Park Lenina 5, Leningrad.

Minsk Institute of Orthopædics and Restorative Surgery.

Novosibirsk Institute of Orthopædics and Restorative Surgery: Ul. Frunze 33, Novosibirsk.

Saratov Institute of Restorative Surgery, Traumatology and Orthopædics: Ul. Chernyshevskogo 150. Saratov.

Sverdlovsk Institute of Restorative Surgery, Traumatology and Orthopædics: Bankovsky per. 9, Sverdlovsk.

Ukrainian Central Institute of Orthopædics and Traumatology: Ul. Vorovskogo 27, Kiev, Ukrainian S.S.R.

Ukrainian Research Institute of Orthopædics and Traumatology: Vorovskogo 27, Kiev, Ukrainian S.S.R.

Uzbek Institute of Orthopaedics and Traumatology: Kablukova 5, Tashkent, Uzbek S.S.R.

(11) Malaria and Parasitology

All-Union K. I. Skryabin Institute of Helminthology: Kuibyshevsk. pr. 3, Moscow.

Azerbaijan Institute of Malaria and Medical Parasitology: Ul. Basina 61, Baku.

Georgian Institute of Malaria and Medical Parasitology: Ul. Plekhanova 139, Tbilisi.

R.S.F.S.R. Institute of Medical Parasitology: Moskovskaya 67, Rostov-on-Don.

Ukrainian Rubashkin Institute of Malaria and Medical Parasitology: Pushkinskaya ul. 14, Kharkov, Ukrainian S.S.R.

Uzbek Institute of Malaria and Medical Parasitology: Gospitalnaya Ul. 48, Samarkand, Uzbek S.S.R.

(12) Vaccines and Sera

Gorky Research Institute of Vaccines and Sera: Gruzinskaya, ul. 44 Gorky.

L. A. Tarasevich State Control Institute of Medical Biological Preparations: Sivtsev-Vrazhek per. 41, Moscow.

Leningrad Institute of Vaccines and Sera: Ul. akad. Pavlova 9, Leningrad.

Moscow Institute of Vaccines and Sera: Uspensky per. 12. Moscow.

Stavropol Institute of Vaccines and Sera: Ul. K. Khetagurova 24, Stavropol-Kavkazsky.

(13) Radiology and Oncology

Azerbaijan Institute of Radiology: 4 Nagor-Gafa-Mamedovskaya, Baku.

Central Radiological Institute: Ul. Roentgena 6, Leningrad.

Central Institute of Roentgenology and Radiology: Solyanka 7, Moscow, J28.

Georgian Institute of Roentgenology and Medical Radiology: Ul. Ordzhonikidze 101, Tbilisi.

Kiev Research Institute of Roentgenology and Oncology: Kiev, Ukrainian S.S.R.

Lithuanian Institute of Oncology.

P. A. Herzen Oncological Research Institute: 2-y Botkinsky pr., Moscow.

Rostov Institute of Radiology and Oncology: Voroshilovsky Pr. 119, Rostov-on-Don; affiliated to the Cheliabinsk Radiation Hygiene Institute.

State Research Institute of Oncology: Bedovaya Ul. 13, Moscow.

Ukrainian Radiological and Oncological Institute: Pushkirskaya 82, Kharkov, Ukrainian S.S.R.

Voronezh Region Radiological and Oncological Institute: Ul. Kalyayeva 2, Voronezh.

(14) Neurology and Psychiatry

Byelorussian Institute of Neurology, Neuro-surgery and Physiotherapy: Podlesnaya 5, Minsk.

Central Sechenov Research Institute: Zapadnaya ul. 1, Yalta, Crimea, Ukrainian S.S.R.

Central Serbsky Forensic Psychiatry Research Institute: Kropotkinsky per. 23, Moscow.

Georgian Institute of Psychiatry: Elektricheski per. 4, Tbilisi.

Institute of Psychiatry: Poteshnaya 8, Moscow.

Kharkov Psycho-Neurological Research Institute: Kharkov, Ukrainian S.S.R.

Psychiatric Research Institute of the U.S.S.R. Academy of Sciences: Zagorodnoye Chaussée 2, Moscow M-152.

Turkmenistan Institute of Neurology and Physiotherapy: Ul. Soiuznaya 32/2, Ashkhabad.

(15) Industrial Hygiene and Occupational Diseases

All-Union Labour-Protection Research Institute of the Central Council of Trade Unions: Ul. Furmanova 3, Leningrad.

Angar Institute of Industrial Hygiene and Occupational Diseases: 31 Karl-Marx Pr., Angarsk.

Central Institute for Examination of and Vocational Assistance to Disabled Persons: Leningradskoye Chaussee 57, Moscow.

Donets Institute of Industrial Physiology: 2-a linia 50, Donetsk, Ukrainian S.S.R.

Georgian Institute of Industrial Hygiene and Occupational Diseases: Prodolnaia ul. 27, Tbilisi 49.

Gorky Institute of Industrial Hygiene and Occupational Diseases: Ul. Semashko 20, Gorky.

Kharkov Research Institute of Industrial Hygiene: Kharkov, Ukrainian S.S.R.

Kiev Institute of Industrial Hygiene and Occupational Diseases: Ul. Chkalova 33, Kiev.

Leningrad Research Institute of Industrial Hygiene and Occupational Diseases: 2-a Sovetskaya ul. 4, Leningrad.

Lithuanian State Institute of Sanitation and Hygiene.

Novosibirsk Sanitary Institute.

Sverdlovsk Institute of Industrial Hygiene and Occupational Pathology.

Ufa Institute of Hygiene and Occupational Diseases.

Uzbekistan Institute of Sanitation and Hygiene: K. Marx 85, Tashkent.

(16) Other Medical Institutes

Armenian Institute of Spa Treatment and Physiotherapy.

Astrakhan Institute for the Study of Leprosy.

Azerbaijan Institute of Opthalmology: Kommunisticheski Per. 6, Baku.

Azerbaijan Institute of Spa Treatment and Physiotherapy (Kirov Institute): Balakhanskaye Chaussée 3, Baku.

Central Institute for Defectives: Academy of Pedagogical Sciences, Pogodinskaya Ul. 8, Moscow G-117.

Central Institute of Health Education: Ul. Kirova 42, Moscow.

Central Institute of Spa Treatment: B. Novinsky per. 6a, Moscow.

Ersman Health Research Institute: Pyatnitskaya ul. 1/2, Moscow.

Institute of Plastic Surgery: R.S.F.S.R. Ministry of Public Health, Ul. Gorky, Moscow.

Kharkov Chemical and Pharmaceutical Research Institute: Yumovskaya Ul. 7, Kharkov.

Kiev Institute of Nutritional Hygiene: Ul. Lenina 25, Kiev.

Leningrad Ear, Nose and Throat Institute: Bronnitskaya 9, Leningrad.

Leningrad Medical Institute of Sanitation and Hygiene: Ul. Kurakina 1/3, Leningrad.

Moscow Municipal First Aid Institute: Kolkhoznaya ploschchad 3, Moscow; Dir. M. M. Tarasov.

Omsk Institute of Infectious Diseases: R.S.F.S.R. Ministry of Public Health.

Piatigorsk Balneological Institute: Pr. Kirova 30, Piatigorsk.

Sochi Health Research Institute: Sochi, Krasnodarsk. kr.

Sverdlovsk Institute of Physical Curative Methods and Spa Treatment: Pl. Kommunarov, Sverdlovsk.

Tomsk Institute of Physiotherapy and Spa Treatment: Ul. Rozy Luxembourg 1.

Ukrainian Sanitary and Chemical Institute: Bulvar Shevchenko 8, Kiev.

Ukrainian Institute of Experimental Endocrinology: Ul. Artema 10, Kharkov, Ukrainian S.S.R.

Ukrainian N. D. Strazhesko Research Institute of Clinical Medicine: Ul. Saksaganskogo 75, Kiev.

Ukrainian Research Institute of Municipal Hygiene: Kirova 7, Kiev.

U.S.S.R. Antibiotics Research Institute: Nagatinskoye Chaussée 3A, Moscow.

Uzbekistan Institute of Spa Treatment and Physiotherapy (Semashko Institute): Labzak 14, Tashkent.

MUSIC

Alma-Ata State Institute of Arts: Pr. Communist 90, Alma-Ata, Kazakh S.S.R.

Azerbaijan State Conservatoire: Ul. Dimitrova 98, Baku, Azerbaijan S.S.R.

Byelorussian State Conservatoire: Pl. Svobody 7, Minsk, Byelorussian S.S.R.

Erevan State Komitas Conservatoire: Ul. Kirova 16, Erevan, Armenian S.S.R.

Gorky State Conservatoire: Ul. Piskunova 40, Gorky.

Kazan State Conservatoire: Bolshaya Krasnaya ul., Kazan, Tatar A.S.S.R.

Kharkov State Conservatoire: Pl. Teveleva 13, Kharkov, Ukrainian S.S.R.

Kiev P. I. Chaikovsky State Conservatoire (Order of Lenin): Ul. Marxa 1-3/11, Kiev, Ukrainian S.S.R.

Kishinev State Conservatoire: Ul. Pirogova 39, Kishinev, Moldavian S.S.R.

Latvian Jazep Vitol State Conservatoire: Ul. Barona 1, Riga, Latvian S.S.R.

Leningrad N. A. Rimsky-Korsakov State Conservatoire (Order of Lenin): Teatralnaya pl. 3, Leningrad.

Lithuanian State Conservatoire: Pr. Lenin 42, Vilnius, Lithuanian S.S.R.; faculties of piano, orchestral, vocal, and folk music, and the theory of music; Rector A. N. Kotliarevsky.

Lvov N. V. Lysenko State Conservatoire: Ul. Boyko 5, Lvov, Ukrainian S.S.R.

Moscow P. I. Chaikovsky State Conservatoire: Ul. Herzena 13, Moscow; f. 1866; Rector Prof. A. Swechnikov.

Novosibirsk M. I. Glinka State Conservatoire: Sovetskaya ul. 31, Novosibirsk; f. 1956; library of 55,000 vols.; Rector Prof. A. N. Kotlyarevsky.

Odessa A. V. Nezhdanova State Conservatoire: Ul. Ostrovidova 63, Odessa, Ukrainian S.S.R.

Saratov L. V. Sobinov State Conservatoire: Pr. Kirova 1, Saratov.

State Music-Teaching Institute: Ul. Vorovskogo 30/36, Moscow.

Tallinn State Conservatoire: Bd. Suvorova 3, Tallinn, Estonian S.S.R.; f. 1919; Rector V. Alumäe.

Tashkent State Conservatoire: Pushkinskaya 31, Tashkent, Uzbek S.S.R.

Tbilisi State Conservatoire: Ul. Griboyedova 8, Tbilisi, Georgian S.S.R.

Urals State Conservatoire: Ul. Lenina 26, Sverdlovsk.

Vilnius State Conservatoire: Ul. Skapo 11, Vilnius, Lithuanian S.S.R.

PEDAGOGY

In 1965 there were 186 Pedagogical Institutes and 225 Teachers' Training Colleges. In addition there is an extra-mural Institute of Education in Moscow.

PHYSICAL CULTURE

(Note.—Schools for Physical Culture Instructors are attached to Institutes marked with an asterisk)

Armenian Institute of Physical Culture: Ul. Fizkulturnikov 23, Erevan, Armenian S.S.R.; f. 1945; pedagogical and sporting faculties; training base at Tsakhqadzer.

Azerbaijan S. M. Kirov Institute of Physical Culture: Ul. Sameda Vurguna 25, Baku, Azerbaijan S.S.R.

Byelorussian Institute of Physical Culture (Order of the Red Banner of Labour): Pr. Lenin 59-a, Minsk, Byelorussian S.S.R.

Georgian Institute of Physical Culture: Prospekt Chavchavadze 49, Tbilisi, Georgian S.S.R.

Kazakh Institute of Physical Culture: Sovetskaya ul. 22, Alma-Ata, Kazakh S.S.R.

Kiev Institute of Physical Culture: Fiskulturnaya 1, Kiev, Ukrainian S.S.R.

Kirghiz Institute of Physical Culture: Kievskaya 132, Frunze, Kirghiz S.S.R.

Latvian State Institute of Physical Culture: Lenin Ul. 333, Riga, Latvian S.S.R.

***Leningrad P. F. Lesgaft State Institute of Physical Culture (Order of Lenin and Order of the Red Banner of Labour):** Ul. Dekabristov 35, Leningrad

Lithuanian Institute of Physical Culture: Ul. Sporta 10, Kaunas, Lithuanian S.S.R.

Lvov Institute of Physical Culture: Ul. Kosciuszko 11, Lvov, Ukrainian S.S.R.

Omsk Institute of Physical Culture: Ul. Lenina 21, Omsk.

Smolensk Institute of Physical Culture: Prospekt Gagarina 21, Smolensk.

***State Central Institute of Physical Culture (Order of Lenin):** Ul. Kazakova 18, Moscow.

Uzbek Institute of Physical Culture: Ul. Achunbabaeva 6, 1-a, Tashkent, Uzbek S.S.R.

Volgograd Institute of Physcial Culture: Prospekt Lenina 78, Volgograd.

POLITICAL SCIENCE

Institute of International Relations: Metrostroyevskaya 53, Moscow.

Institute of Marxism-Leninism: Ul. Marxa i Engelsa 5, Moscow.

SOCIAL SCIENCE

Academy of Social Sciences: Moscow; f. 1946; under the central committee of the Communist Party of the Soviet Union; faculties of Political Economy, Economics, Theory of Government and Law, International Law, Dialectical and Historical Materialism, Philosophy, Logic, Psychology, History of Art.

THEATRE

Azerbaijan M. A. Aliev Dramatic Institute: Buynakskaya ul. 3, Baku, Azerbaijan S.S.R.

B. V. Shchukin Drama School attached to the E. B. Vakhtangov State Theatre: Ul. Vakhtangova 12a, Moscow.

Byelorussian State Theatre Institute: Lenin Prospekt 107, Minsk, Byelorussian S.S.R.

Erevan State Institute of Dramatic Art: Erevan, Armenian S.S.R.

Georgian S. Rustaveli State Institute of Dramatic Art: Pr. S. Rustaveli 17, Tbilisi, Georgian S.S.R.

Kharkov State Drama Institute: Sumskaya 34, Kharkov, Ukrainian S.S.R.

Kiev I. K. Karpenko-Kary State Drama Institute: Kreshchatik 52, Kiev, Ukrainian S.S.R.

Leningrad Institute of Theatre, Music and Cinematography: Mokhovaya 34, Leningrad.

Leningrad State School of Choreography (Order of the Red Banner of Labour): Ul. Zodchego Rossi 2, Leningrad.

M. S. Shchepkin Drama School attached to the Maly Theatre: Neglinnaya 6, Moscow.

State A. V. Lunacharsky Institute of Dramatic Art: Sobinovsky per. 4, Moscow.

State School of Circus Art: 24a, 5-aya ulista Yamskogo polya, Moscow; trains artists for the circus from the ages of 14 to 26 years in all branches of circus and variety arts.

Studio-School of the Bolshoy A. M. Gorky Dramatic Theatre: Fontanka 65, Leningrad.

Tashkent A. N. Ostrovsky State Drama Institute: Shelkovichnaya 75, Tashkent, Uzbek S.S.R.

V. I. Nemirovich-Danchenko Studio-School attached to the Moscow Art Theatre: Pr. Khudozhestvennogo teatra 3a, Moscow.

TRANSPORT AND COMMUNICATIONS

(1) Railways

All-Union Extra-Mural Institute for Railway Engineers: Chasovaya ul. 22/2, Moscow.

Byelorussian Institute for Railway Engineers: Ul. Kirova 34, Gomel, Byelorussian S.S.R.

Dnepropetrovsk Institute of Railway Engineering: Universitetskaya ul. 2, Dnepropetrovsk, Ukrainian S.S.R.

Khabarovsk Institute of Railway Engineering: Ul. Seryshev 47, Khabarovsk.

Kharkov S. M. Kirov Institute of Railway Engineering: Pl. Feierbakha 7, Kharkov, Ukrainian S.S.R.

Leningrad V. N. Obraztsov Institute of Railway Engineering (Order of Lenin): Moskovskaya pr. 9, Leningrad F-31.

Moscow F. E. Dzerzhinsky Electro-Mechanical Institute for Railway Engineers: Novo-Sushchevskaya 26, Moscow.

Moscow Institute of Railway Engineering: Ul. Obraztsova 15, Moscow.

Novosibirsk Institute of Railway Engineering: Ul. Dusi Kovalchuk 191, Novosibirsk.

Rostov Institute of Railway Engineering: Novy Gorod, Rostov-on-Don.

Tashkent Institute of Railway Engineering: Oboronnaya 1, Tashkent, Uzbek S.S.R.

Tbilisi V. I. Lenin Institute of Railway Engineering: Ul. Lenina 98, Tbilisi, Georgian S.S.R.

Tomsk Electro-Mechanical Institute for Railway Engineers: Pr. Lenina 35, Tomsk.

Urals Electro-Mechanical Institute for Railway Engineers: Ul. Kolmogorova 66, Sverdlovsk.

(2) Waterways

Gorky Institute of Water Transport Engineers: Ul. Minina 7, Gorky.

Leningrad Admiral S. O. Makarov Higher School of Marine Engineering: Kosaya linia 15a, Vasilyersky Ostrov, Leningrad.

Leningrad Institute of Water Transport Engineers: Dvinskaya 5/7, Leningrad.

Murmansk Higher School of Seamanship: Sportivnaya 13/6, Murmansk.

Novosibirsk Institute of Water Transport Engineering: Prospekt Lenina 18, Novosibirsk.

Odessa Higher School of Seamanship: Ul. Perekopskoi Pobedy 20, Odessa, Ukrainian S.S.R.

Odessa Institute of Marine Engineers: Ul. Mechnikova 34, Odessa.

Vladivostok Higher School of Seamanship: Verkhnyaya Pontovka 50a, Vladivostok.

(3) Motor Transport

Kharkov Motor and Highways Institute: Ul. Petrovskogo 25, Kharkov, Ukrainian S.S.R.

Kiev Motor and Highways Institute: Ul. Suvorova 1, Kiev, Ukrainian S.S.R.

Moscow Motor and Highways Institute: Leningradsky Prospect 64, Moscow; five faculties, evening, post-graduate and correspondence departments; Rector Prof. Dr. Affanasiev.

Siberian V. V. Kuibyshev Motor and Highways Institute: Ul. Lenina 20, Omsk.

(4) Aviation

Kazan Institute of Aviation: Ul. K. Marxa 10, Kazan, Tatar A.S.S.R.

Kharkov Institute of Aviation: Pomerki 27, Kharkov, Ukrainian S.S.R.

Kiev Institute of Civil Aviation: Borshchagovskaya Ul. 197, Kiev.

Kuibyshev Institute of Aviation: Molodogvardeiskaya 151, Kuibyshev.

Leningrad Institute of Aviation Equipment: Ul. Gastello 9, Leningrad.

Moscow Institute of Aviation Technology: Petrovka 27, Moscow.

Moscow S. Ordzhonikidze Institute of Aviation: Volokolamskoye Chaussee 18, Moscow.

Ufa Sergo Ordzhonikidze Institute of Aviation: Ul. Lenina 61, Ufa, Bashkir A.S.S.R.

(5) Other Communications Institutes

All-Union Extra-Mural Institute for Communications Engineers: Aviamotornaya 8a, Moscow.

Kuibyshev Institute of Communications Engineering: Ul. Lva Tolstogo 23, Kuibysher.

Leningrad M. A. Bonch-Bruyevich Institute of Communications Engineering: Moyka 61, Leningrad.

Moscow Institute of Communications Engineering: Aviamotornaya 8a, Moscow.

Novosibirsk Institute of Communications Engineering: Ul. Kirova 58, Novosibirsk.

Odessa Institute of Communications Engineering: Ul. Chelyuskintsev 1/3, Odessa, Ukrainian S.S.R.

Ryazan Institute of Wireless Engineering: Yamskoye Chaussee 37, Ryazan.

Taganrog Institute of Wireless Engineering: Ul. Chekhova 22, Taganrog, Rostovsk. obl.

Tashkent Institute of Communications Engineering: Ul. Labzak 112, Tashkent.

UNITED ARAB REPUBLIC

Population 28,721,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

National Research Centre: al-Tahrir Street, Dokki, Cairo; f. 1939; began functioning in 1947 and laboratory work started in 1956; fosters and carries out research in both pure and applied sciences.

Director: Prof. Dr. AHMAD RIAD TOURKY.

Secretary-General: Prof. ABD-EL-AZIZ AHMED SALAMA.

LABORATORIES:

The laboratories are organised into five main departments:

Physics Department.

Chemistry and Chemical Technology Department.

Earth Science Department.

Biology and Agriculture Science Department.

Medical Department.

The Scientific Instruments Division comprises the following units: Electrical and Electronic Instruments, Precision Mechanics, Instruments Standardisation, Optical Instruments and Glass Blowing.

MAIN COMMITTEES:

Physics Committee.
Engineering Committee.
Chemical Industries Committee.
Biological Science Committee.
Mineral Wealth Committee.
Medical Committee.

Academy of the Arabic Language: 26 Sharia Mourad, Giza; f. 1932.

President: Dr. AHMED LOUTFI EL-SAYED.

Vice-President: Dr. TAHA HUSSEIN.

Secretary-General: Dr. IBRAHIM MADKOUR.

Publications: *Review of Academy for the Arabic Language*, Collections of Scientific Terms, Dictionary of Koranic Terms.

MEMBERS:

Dr. IBRAHIM ANIS
IBRAHIM EL LABBAN.
IBRAHIM MOSTAFA.
Dr. AHMED BADAWY.
Sheikh AHMED HASSAN EL BAKOURI.
AHMED HASSAN EL ZAYAT.
Dr. AHMED ZAKI.
Dr. AHMED AMMAR.
ISMAIL MAZHAR.
AMIN EL KHOLI.
TEWFIK EL HAKIM.
HAMED ABDEL KADER.
ZAKI EL MOHANDES.
Dr. ABDEL HALIM MONTASER.
Dr. ABDEL HAMID BADAWY.
ABDEL HAMID HASSAN.
Dr. ABDEL RAZAK EL SANHOURI.
ABDEL FATTAH EL SAIDI.
AZIZ ABAZA.
Dr. ALI BADWI.
Dr. ALI TEWFIK SHOUSA.
ALI ABDEL RAZEK.
Dr. MORAD KAMEL.
MOHAMED TEWFIK DIAB.
MOHAMED KHALAF ALLA AHMED.
MOHAMED SHAFIK GHORBAL.
Sheikh MOHAMED ALI EL NAGGAR.
Dr. MOHAMED AWAD MOHAMED.
MOHAMED FARID ABOU HADID.
Dr. MOHAMED KAMEL HUSSEIN.
Dr. MOHAMED MAHDY ALLAM.
MAHMOUD TAYMOUR.
Sheikh MAHMOUD SHALTOUT.
Dr. MOSTAFA NAZIF.

MEMBERS REPRESENTING ARAB COUNTRIES:

AHMED AKABAT.
Dr. ISHAK EL HUSSEINI.
ANIS EL MAKDESI.
HASSAN HOSNI ABDEL WAHAB.
HAMED EL GASER.
Dr. ABD ALLA EL TAYEB.
ABD ALLA KANOUN.
ALI EL FAKIH HASSAN.
Dr. OMAR FARROUKH.
KADRY HAFEZ TOUKAN.
MOHAMED EL BASHIR EL IBRAHIMI.
MOHAMED EL FASI.
MOHAMED BAHGA EL ATHARI.
MOHAMED REDA EL SHABIBI.
MOHAMED FADEL BEN ASHOUR.

There are also about 80 Corresponding Members from Arab and other countries.

Institut d'Egypte: 13 Sharia Sheikh Rihane, Cairo; f. 1859; studies literary, artistic and scientific questions relating to Egypt and neighbouring countries; publs. *Bulletin* (annual) and *Mémoires*.

President: M. KAMEL HUSSEIN.

Vice-Presidents: A. R. TOURKY; P. BALOG.

Secretary-General: P. GHALIOUNGUI.

Treasurer-Librarian: MOURAD KAMEL.

Assistant Secretary: L. CHRISTOPHE.

TITULAR MEMBERS:

Section 1. Literature, Fine Arts and Archaeology:

	Elected
TAHA HUSSEIN	1924
CHARLES KUENTZ	1938
SAMI GABRA	1941
OCTAVE GUERARD	1942
SOLOMAN AHMED HUZAIN	1947
MUSTAPHA AMER	1948
OSMAN RIFKI ROSTEM	1949
MOURAD KAMEL	1950
Rev. P. GEORGES ANAWATI	1951
JEAN-PHILIPPE LAUER	,,
LOUIS CHRISTOPHE	1954
MOHAMED MOUSTAFA	,,
AHMED BADAWI	1959

Section 2. Moral and Political Science:

ABDEL HAMID BADAWI	1948
HAMED ZAKI	1952
MIRRIT GHALI	1959
PAHOR LABIB	,,
FRANÇOIS DAUMAS	,,
ABDEL MONEM ABU BAKR	1964
SERGE SAUNERON	,,
AHMED FAKHRY	,,
HANNS STOCK	,,
LABIB HABACHI	,,

Section 3. Physics, Chemistry and Mathematics:

MOHAMED REDA MADWAR	1940
ISMAIL RATIB	1948
MOUSTAPHA NAZIF	1952

Ahmed Riad Tourky	1955
Ibrahim Hilmi Abdel-Rahman	1959
Mohamed Moursi Ahmed	,,
Rashad Razouk	1964
Yussef Simaika	,,
Abdel Aziz Ahmed	,,

Section 4. Biological Sciences:

Gorgi Sobhy	1936
Christo Avierinos	1944
Mohamed Kamel Hussein	1945
Mahmoud Ibrahim Attia	1946
Anastase Alfieri	1947
Hussein Faouzi	1948
Paul Balog	1949
Paul Ghalioungui	1952
Elhami Greiss	1954
Ahmed El-Halawani	1955
Aly Hassan	1959
Kamel Mansour	,,
Mahmoud Hafez	,,
Vivi Täckholm (Mme.)	1964

Associate Members

Jules Barthoux	1925
Athanase Politis	1932
Evaristo Breccia	1934
Alessandro Ghigi	1938
Jaques Hadamard	,,
Adolf Grohmann	,,
Charles Andreae	,,
Jean Cuvillier	,,
Harold Idris Bell (Sir)	1940
Emile Minost	1946
Williem Dirk van Wijngaarden	1947
Hamilton A. R. Gibb	,,
Eduardo Volterra	,,
Jaroslav Cerny	1948
Alfred Barriol	,,
Herbert John Fleure	1950
Otway Henry Little	,,
Warren Royal Dawson	1951
Hassan Hosni Abdel Wahab	,,
Pierre Montet	,,
Emilio Garcia-Gomez	1952
George William Welch Murray	,,
Gaston Wiet	1953
George Carpenter Miles	1954
Paul Montel	,,
Baudouin van de Walle	,,
Andre Jean Boye	,,
Hans Hickmann	1959
Jean-Edouard Goby	,,
Kazimierz Michalowski	1962
Hermann Grapow	,,
John Walker	,,
Alexander Bohlig	,,
Achille Adriani	1963
Constantin Choremis	,,
Richard Ettinghausen	,,
Francesco Gabrieli	,,
Georges Joachimoglu	,,
Jean Kalitsounaki	,,
Harold Edwin Hurst	,,
Rene Cattaui	,,
Bernardo Houssay	1964
Oluf Krückmann	,,
Evgenii Belayev	,,
Egidio Mazzei	,,
Geza Fehervari	,,
Arnold Toynbee	1965
Walter Bryan Emery	,,
C. Desroches-Noblecourt (Mme.)	,,
Charles Picart	,,
Werner Hartke	,,
Reinecker	,,
R. C. Cresswell	,,

There are also about 30 Corresponding Members from Arab and other Countries.

Agriculture, Horticulture

Egyptian Agricultural Organisation: 156 Sharia Khedive Ismail, Cairo; f. 1898; the Society acts as an information centre for farmers, and its activities include seed selection, importation of fertilisers, periodic agricultural and industrial exhibitions; the society has an experimental station and laboratories of botany and genetics at Bahtim, chemical and entomological laboratories, and a Cotton Museum at Gezira; there is also an animal-breeding section, and a stud farm of Arabian horses at Heliopolis; Dir.-Gen. Ahmed Afifi; Asst. Dir.-Gens. Moustafa El-Bahtimi and Abdel Maguid Youssef.

Egyptian Horticultural Society: P.O. Box 46, Cairo; f. 1915; Chair. Hassan Farid; Hon. Sec. Abdel Kader Haggag; publ. *Horticultural Magazine.*

Archaeology, History

Deutsches Archäologisches Institut (*German Archaeological Institute*): Sharia Gezira al Wusta 22, Cairo-Zamalek; Dirs. Prof. Dr. Hanns Stock, Dr. Ing. Wolfgang Müller-Wiener.

Hellenic Society of Ptolemaic Egypt: 20 Avenue Fouad I, Alexandria; f. 1908; Pres. Dr. G. Partheniadis; Sec. Costa A. Sandi.

Institut Dominican d'Etudes Orientales: Priory of the Dominican Fathers, 1 Sharia Masna al-Tarabish, Abbasiyah, Cairo; f. 1952; Dir. Père G. C. Anawati; publ. *Mélanges* (yearly); *see* Library.

Institut Français d'Archéologie Orientale (*French Institute of Oriental Archaeology*): Cairo; f. 1898; Dir. F. Daumas.

Office for the Preservation of Arabic Monuments (*Idarit Hifz el-Assar el-Arabia*): 1 Sharia el-Walda (Qasr-el-Doubara), Cairo; f. 1882; Pres. of the Higher Council H.E. the Egyptian Minister of Education; Dir. Mohammed Abdel Fattah Helmy; Pres. of the Permanent Cttee. Mohammed Aly Namazy; publ. *Bulletin.*

Société Archéologique d'Alexandrie: 6 Sharia Mahmoud Moukhtar, Alexandria; f. 1893; 100 mems.; Pres. Mohie el-Din el-Shazili; Sec.-Gen. D. A. Daoud; Treas. A. Sadek. Editor Max Debbane; publs. *Bulletins, Mémoires, Monuments de l'Egypte Gréco-Romaine, Cahiers, Publications Spéciales.*

Society for Coptic Archæology: 222 Avenue Ramses, Cairo; f. 1934; 250 mems.; library of 4,500 vols.; Pres. Mirrit Boutros Ghali; Sec. Dr. Antoine Khater; Treas. Yusef Simaika; Librarian Dr. O. H. E. Khs-Burmester; publs. *Bulletin* (annual), *Fouilles, Bibliothèque d'Art et d'Archéologie, Textes et Documents et Divers.*

The Arts, Education

Armenian Artistic Union: Sharia Soliman, El-Halaby, Cairo.

Atelier: 1 Sharia St. Saba, Alexandria; society of artists and writers; Hon. Pres. Moustafa Fahmy; Sec.-Gen. L. Hergenstein.

Education Documentation Centre for U.A.R.: Central Ministry of Education, 33 Sharia Falaky, Cairo; f. 1956; educational documentation and research services; 7,000 documents; Dir. Ibrahim Hafez; Deputy Dir. Mrs. Zienab Mehrez; publs. *Contemporary Trends in Education, Educational Information Bulletin.*

Egyptian Association for Archives and Librarianship: 58 Sharia al-Jumhuriyah, Cairo; f. 1956; 538 mems.

Egyptian Concert Society: 17 Sharia Talaat Harb, Alexandria; Pres. Joseph Tuby; Treas. Jacques Vincendon.

Egyptian Library Association: Cairo; f. 1946.

Egyptian Society of Music: Sharia Talaat Harb, Cairo; Pres. H.E. Mohamed Taher; Vice-Pres. M. Vincenot; Sec.-Gen. M. H. Kaster.

Hellenic Artistic Union: 6 Sharia Bichai, Alexandria.

Institute of Arab Music: 22 Sharia El-Malika, Cairo; Pres. Moustafa Rida.

Institute of Arab Music: 2 Sharia Tewfik, Alexandria; Pres. Ahmed Bey Hassan; Hon. Sec. Aly Saad.

New Education Fellowship (N.E.F.), Egyptian Branch: 9 Sharia Kerdasy, Cairo; f. 1938; object: conferences and discussions on local problems of education and the science of teaching; Chair. Dr. AHMED ABDEL SALAM EL-KERDANY.

Society of Friends of Art: 4 Sharia Kasr el Nil, Cairo; Pres. H.E. MOHAMMED MAHMOUD KHALIL; Vice-Pres. SHERIF SABRI, M. VINCENT; Sec. KAMEL DELAWAR.

BIBLIOGRAPHY

National Information and Documentation Centre (NIDOC): al-Tahrir Street, Dokki, Cairo; accumulates and disseminates information in all languages and in all branches of science and technology; comprises six depts.: Libraries, Bibliography, Translations, Photo-reproduction, Editing and Publishing, and Printing; Dir. Dr. AHMED ABDEL-HAMID KABESH; publs. *Bulletin of the National Information and Documentation Centre, U.A.R. Journal of Chemistry, U.A.R. Journal of Animal Production, U.A.R. Journal of Pharmacology, U.A.R. Journal of Veterinary Science, U.A.R. Journal of Soil Science, U.A.R. Journal of Botany, U.A.R. Journal of Geology, Technical Information for the Textile Industry.*

ECONOMICS, LAW

Egyptian Society of International Law: 16 Ramses Street, Cairo; f. 1944; objects: to promote the study of international law and to work for the establishment of international relations based on law and justice; Pres. Dr. HAMED SOLTAN; Vice-Pres. Dr. AHMED KHAIRAT SAID and JASPER Y. BRINTON; 500 mems.; library contains 520 books and 500 sets of periodicals; publ. *Revue Egyptienne de Droit International.*

Egyptian Society of Political Economy, Statistics and Legislation: 16 Avenue Ramses, Cairo, P.O. Box 732; f. 1909; Pres. Dr. ABDEL HAMID BADAWI; Librarians M. YALLOUZ and LATIF IBRAHIM; 450 mems.; library contains 7,461 vols. and approx. 9,000 periodicals; publ. *L'Egypte Contemporaine* (quarterly).

Social Sciences Association of Egypt: Cairo; f. 1957; 1,234 mems.

GEOGRAPHY, GEOPHYSICS

Egyptian Geographical Society: Sharia Kasr El-Aini (Jardin du Ministère de Travaux Publics), Cairo; f. 1875, reorganised 1917; Pres. M. MOUSTAFA AMER; Sec.-Gen. M. MOHAMED M. EL-SAYYAD; publ. bulletins; *see* library.

The Observatories: Head Office: Helwan, Cairo; carries out research studies in geophysics, astronomy, meteorology; comprises the Helwan Observatory, the Kattamyia Observatory and the Magnetic Observatory at Fayyoum; Dir. Dr. ABDEL HAMID SAMAHA.

INTERNATIONAL CULTURAL INSTITUTES

British Council: c/o British Embassy, Qasr el Doubara, Cairo; Cultural Attaché I. H. WILLIAMS, O.B.E.

Centro Cultural Hispánico (*Hispanic Cultural Institute*): Sharia El Horria 101, Alexandria.

Deutsches Kulturinstitut (*German Cultural Institute/Goethe Institute*): 15A rue des Pharaons, Alexandria; Dir. Dr. A. REGENBERG.

Istituto Italiano di Cultura (*Italian Cultural Institute*): 3 Sharia Sheikh El Marsafi (Zamalek), Cairo; Dir. Prof. LUIGI RIVARA.

Österreichisches Kulturreferat für den Vorderen Orient (*Austrian Cultural Office for the Middle East*): 1103 Sharia Corniche el Nil, Apt. 7, Qasr el Doubara, Cairo; Dir. BERNHARD STILFRIED, PH.D.

U.S. Information Centers:
11 Tarik El Horeya, Alexandria.
6 Sharia Kamal Eldine, Salah, Garden City, Cairo.

MEDICINE, PUBLIC HEALTH

Alexandria Medical Association, The: 4 Ibn El-Saigh Street, Alexandria; f. 1921; 900 mems.; Pres. Prof. HUSSEIN KHAIRY TOPPOZADA; Sec. Dr. ALI NOFAL; publ. *The Alexandria Medical Journal* (English, French and Arabic).

Cairo Odontological Society: 39 Kasr El-Nil, Cairo; Pres. Dr. ABULNAGA M. ABDEL-AZIM; Sec. Dr. J. ALCÉE.

Egyptian Association for Mental Health: 1 Sharia 'Ilhami, Qasr al-Doubara, Cairo; f. 1948; 630 mems.

Egyptian Association for Psychological Studies: Faculty of Education, Ain Shams University, Abbasiyah, Cairo; f. 1948; 683 mems.

Egyptian Medical Association: 42 Sharia Kasr El-Aini, Cairo; f. 1919; Pres. Dr. SOLIMAN AZMI; Vice-Pres. Dr. IBRAHIM SHAWKI, Prof. Dr. ABDALLAH EL KATEB; Gen. Sec. Dr. MOUSTAFA OMAR; 700 mems.; publ. *Journal* (monthly), in Arabic and English.

Egyptian Society of Medicine and Tropical Hygiene: 2 Sharia Fouad I, Alexandria; f. 1927; Hon. Pres. Dr. AHMED HELMI; Pres. Dr. IBRAHIM ABDEL-SAYED; Sec.-Gen. and Treas. Dr. J. KHOURI.

The Medical Research Institute: Alexandria; carries out basic and applied experimental and clinical research work in the field of medicine; comprises the following units: Biochemistry, Cancer Research, Pathology, Histochemistry, Cytochemistry, Physiology, Pharmacology, Parasitology, Experimental Surgery, Radiodiagnosis, Radioisotopes, Medical and Biophysics; Dir. Dr. MOHYEDDIN EL KHARADLY.

Memorial Institute for Ophthalmic Research: Giza, Cairo; f. 1925; library of 2,800 vols.; Acting Dir. IBRAHIM AHMED MOHAMED; Pathologist ABDEL FATTAH MOSTAFA MOHAMED; Virologists ZEINAB CHERIF, FATMA ZANATI; Clinical Dept. GAMAL EDDIN ABDIN, EL SAYED ALY ELEISH; publ. *Report.*

Ophthalmological Society of Egypt: Dar El Hekmah, 42 Sharia Kasr El Aini, Cairo; f. 1902; Pres. Dr. YEHYA EL GAMMAL; Vice-Pres. Dr. SABRI KAMEL; Hon. Sec. Dr. HASSAN ALI IBRAHIM; 350 mems.; publ. *Annual Bulletin.*

Public Health Laboratories—General Administration: Ministry of Public Health, 19 Sharia Sheikh Rehan, Cairo; f. 1885; Dir.-Gen. Dr. A. A. SALEM; Diagnostic Administration: Dr. I. K. ELLAMI; Production Administration: Dr. I. SHAHIN; Public Health Laboratory Administration: M. EL KASSAS; Drug Analysis Laboratory Administration: F. ISKANDER; Inspection-Revision Office: Dr. M. ROUCHDI.

Research Institute and Hospital for Tropical Diseases: 10-12 Sharia Kasr El-Aini, Cairo; f. 1932; Dir. A. HALAWANI; Section Chiefs: Tropical Medicine, A. HALAWANI; Helminthology, I. S. HILMY; Entomology, I. BAZ; Biochemistry, M. H. SHAKER; Hæmatology, G. NOUR EL-DIN; Clinical Dept., A. ABDALLAH; Synthetic Chemistry, BASHIR ANTAKI; Virology, M. DAWOOD; Bacteriology, KHADIGA ZEIN EL-DIN. Protozoology, M. I. EL-KARDI; Animal Breeding A. TAKA; library of 1,500 vols.; four field research stations are attached to the Institute, situated at Khanka, Fayed, Rosetta, and El-Haram.

SCIENCE AND ENGINEERING

Building Research Institute: Dokki, Cairo; carries out basic and applied research work on building materials and means of construction; also provides technical information and acts as consultant to the different authorities concerned with building and construction materials; Dir. Prof. MOHAMMED MAHMOUD IBRAHIM; publs. bulletins, reports.

Cairo Scientific Society: 18 Sharia Mohamed Mazhar Pasha, Zamalek, Cairo; Sec. Major E. TITTERINGTON.

Egyptian Desert Institute: Mataryia, Cairo; f. 1950; a scientific institute for the study and development of desert areas; carries out research in the following: desert agriculture and horticulture, soils, hydrology, geophysics, climatic studies, wind energy, geology, ecology, desert range improvement, soil conservation, animal production. The Institute maintains several laboratories, field stations, a museum, library and a map room; Dir.-Gen. Prof. ABDOU AIY SHATTA; publs. *Bulletin* (twice yearly) and special publications.

Egyptian Society of Engineers: Sharia Hahdet Misr, Cairo; f. 1920; Pres. HAMED SULEIMAN; Sec. ABDUL-AZIZ AHMED.

Electronics Research Institute: Dokki, Cairo; carries out basic research work in electronics and studies their application in the fields of mathematics, telecommunications and industry; Dir. SHOUKRY ABAZA, A.M.I.E.E.; Asst. Dir. MOHAMMED ANWAR ABDEL FATTAH, A.M.I.E.E.

Institute of Hydro-Biology: Kayed Bey, Alexandria; f. 1931; Dir. Dr. IBRAHIM ABOU-SAMRA; Sec. M. SAYED HAMED; *see* Library.

Marine Biological Station: Al-Ghardaqa; f. 1929 in connection with the Faculty of Science, Cairo. Consists of a research station and training centre for students. In 1930 the late King Fouad presented to it his private collection at El-Chatby, containing reference books, scientific models, and nautical research apparatus. The station contains a library and a museum. Regular correspondence is kept up with more than 300 scientific institutions. Dir. Dr. HAMED ABDEL FATTAH GOHAR.

Middle Eastern Regional Radioisotope Centre for the Arab Countries: Cairo; f. 1963; trains specialists in the applications of radioisotopes, particularly in the medical, agricultural and industrial fields; conducts research in hydrology, tropical and sub-tropical diseases, fertilisers, and entomology; promotes the use of radioisotopes in the Arab countries.

National Institute of Standards: Dokki, Cairo; Dir. Dr. SAYED RAMADAN HADDARA; comprises:

National Physics Laboratory: for maintenance of national standards for physical units and their use for purposes of calibration, functioning at the same time as a research institute.

Central Laboratory: responsible for maintenance of master and working standards as well as the verification and stamping of certain classes of measuring instruments.

Société Entomologique d'Egypte: 14 Sharia Ramses, P.O. Box 430, Cairo; f. 1907; Pres. MOHAMED SOLIMAN EL-ZOHEIRY; Vice-Pres. Prof. Dr. MAHMOUD HAFEZ, Dr. ABDEL FATTAH ALY MOURSY; Sec.-Gen. A. ALFIERI; 400 mems.; publs. bulletins; *see* Library.

LIBRARIES

Al-Azhar University Library: Cairo, 80,000 vols., including 20,000 MSS.; Librarian Sheikh ABUL WAFA MAGHRIBI.

Alexandria Municipal Library: 18 Sharia Menasce Moharrem Bey, Alexandria; f. 1892; number of vols.: Arabic 33,390, European 35,399, 4,086 MSS.; Chief Librarian Sheikh BESHIR EL-SHINDI; Sec. ANTOINE D. ABD-EL-MESSIH

Alexandria University Library: 6 Sharia Kenissa El-Inguilizia, Stanley Bay, Ramleh, Alexandria; f. 1942; consists of the Central Library (122,225 vols.), 7 Faculty libraries, and the Library of the Institute of Chemical Technology; over 1,000,000 vols.; Dir. BURHAN EL-DIN SAKI; Chief Librarian AMIN EL-BASSOUNI SALLAM.

American University at Cairo Library: Cairo; f. 1920; undergraduate library: 43,000 vols.; graduate library: 10,000 vols.; Dir. MAHMUD SHENITI.

Arab League Library: Cairo; 35,000 vols.

Assiut College Library: Assiut; 25,000 vols.; Dir. Mrs. W. J. SKELLIE.

Beni Suef Municipal Library: contains 5,447 vols. (Arabic 3,024, European 2,423).

Cairo University Library: Sharia Hadiket El-Ormane, Cairo; 176,128 vols.; Dir. HASSAN MAHMOUD, LL.B.

Damanhour Municipal Library: contains 13,431 vols.

Documentation Centre for the History of the Art and Civilisation of Ancient Egypt: Cairo; f. 1956; UNESCO assisted; is making surveys of the treasures of Nubia before the flooding caused by the new Aswan dam.

Egyptian Library: Abdin Palace, Cairo; over 20,000 vols.; Dir. ABDEL HAMID HOSNI.

Egyptian (National) Library (*Dar-ul-Kutub*): Midan Ahmed, Cairo; f. 1870; 700,000 vols. (400,000 European); 8 brs. with 100,000 vols., including fine arts library; deposit library; Dir. ABDEL MONEIM OMAR.

Fayum Municipal Library: contains 5,355 vols. (Arabic 4,700, European 655).

Geological Museum Library: Jardin du Ministère de Travaux Publics, Sharia Sultan Hussein, Cairo; 19,000 vols.

Helwan Observatory Library: Helwan; 4,000 vols.

Institute of Advanced Arab Studies Library: Cairo; f. 1953; over 30,000 vols.

Institute of Public Administration Library: 14 Sharia Rameses, Cairo; 6,000 vols.

Library of the Academy for the Arabic Language: 26 Mourad Street, Giza; f. 1934; 20,000 vols.

Library of the Bank of Egypt: 151 Sharia Mohammed Farid, Cairo; over 5,000 vols.; Dir. MOHAMMED ROUCHDY.

Library of the Geographical Society of Egypt: Sharia Kasr El-Aini, Cairo; f. 1875; over 25,000 vols.

Library of the Greek Orthodox Patriarchate of Alexandria: 166 rue Port Said, Alexandria; f. 10th century; 30,000 vols., 530 MSS., 2,000 rare editions; Librarian Dr. T. D. MOSCONAS; publ. *Analecta* (yearly); houses an Institute for Oriental Studies.

Library of the Institut d'Egypte: 13 Sharia Sheikh Rihane, Cairo; f. 1859; over 160,000 vols.; Librarian Dr. M. KAMEL; publs. *Bulletin*, *Mémoires*.

Library of the Institute of Hydro-Biology: Kayed Bey, Alexandria; f. 1918; 10,000 vols.; Librarian GIBRIL MOHAMED ALY.

Library of the Ministry of Agriculture: Giza-Orman; f. 1920; 25,000 vols.; Dir. LATIF IBRAHIM.

Library of the Ministry of Commerce and Industry: Sharia Ismail Abaza Pasha; over 20,048 vols.

Library of the Ministry of Education: 16 Sharia El-Falaki, Cairo; f. 1927; the library contains 55,966 vols. (European and Arabic).

Library of the Ministry of Health: Sharia Sultan Hussein, Cairo; over 27,000 vols.

Library of the Ministry of Justice: Midan Lazoghli, Cairo; f. 1929; over 50,000 vols. and periodicals in Arabic, French and English (law and social science); private library for the use of judges and members of the Parquet (public prosecution and criminal investigation authority); a centre attached to the library contains the latest texts of local and comparative legislature on Personal Status; Dir. I. HANAFI.

Library of the Ministry of Public Works: El Tahrir Square, 'El Mogameh' Building, Cairo; over 7,700 vols.

Library of the Ministry of Waqfs: Qoubbih al-Ghoury, Cairo; f. 1942; 20,219 vols.

Library of the Monastery of St. Catherine: Mount Sinai; f. 327; over 3,300 MSS.; the Codex Sinaiticus was discovered in this library in 1856.

Library of the Priory of the Dominican Fathers: 1 Sharia Masna al Tarabish, Abbasiyah, Cairo; f. 1928; 19,000 vols.; Librarian Father ANAWATI.

Library of the Société Entomologique d'Egypte: 14 Sharia Ramses, P.O. Box 430, Cairo; f. 1907; 23,000 vols. and periodicals.

Mansoura Municipal Library contains 17,984 vols. (Arabic 13,036, European 4,948).

Minoufieh Provincial Council Library: Shebin El Kom; contains 10,180 vols. (Arabic 8,626, European 1,554).

Senate Library: Palace of the Senate, Cairo; f. 1924; over 30,000 vols; Dir. MOHAMMED FARAG EL-DALY.

Sharkia Provincial Council Library: Zagazig; contains 12,238 vols. (Arabic 7,861, European 4,377).

Sohag Municipal Library: f. 1932; contains 9,408 vols.

Tanta Municipal Library: contains 20,943 vols.

MUSEUMS

Agricultural Museum: Dukki; f. 1930; exhibits of ancient and modern methods of Egyptian agriculture, horticulture, irrigation; botanical and zoological sections; Dir. A. Z. NAGA; Curator NIHAD KHOLOUSI.

Anderson Museum: Beit el-Kretlia, Cairo; f. 1936; private collections of Oriental art objects bequeathed to Egypt by R. G. Gayer Anderson Pasha in 1936; Curator YOUNES MAHRAN.

Cairo Geological Museum: 15 Sheikh Rihan Street, Cairo, Dawawin Post Office; a section of the Geological Survey and Mineral Researches Dept., Ministry of Mineral Resources and Petroleum; f. 1898; 26,000 specimens, mostly Egyptian; exhibits illustrating all branches of Geology, especially recent acquisitions connected with revival of industrialisation; Dir. A. O. MANSOUR.

Cairo Museum of Hygiene: Midan-el-Gamhouria, Cairo; Dir. Dr. NAGUIB RIAD.

Coptic Museum: Masr Ateeka, Cairo; f. 1908; sculpture, architecture, ivory, pottery and glass, MSS.; Publ. (1) *Guide to the Coptic Museum and the Principal Ancient Coptic Churches of Cairo*; (2) *Catalogue of the Coptic and Arabic Manuscripts in the Coptic Museum, the Patriarchate, the Principal Churches of Cairo and Alexandria, and the Monasteries of Egypt* (2 vols.); Dir. Dr. BAHUR LABIB.

Cotton Museum: Gezira, Cairo; f. 1923; established by the Egyptian Agricultural Society; all aspects of cotton growing, diseases, pests, and methods of spinning and weaving are shown; Dir. M. EL-BAHTIMI.

Egyptian Museum: Mîdân-el-Tahrir, Kasr El-Nil, Cairo; f. 1900; exhibits from prehistoric times until the 6th century A.D.; excludes Coptic and Islamic periods; Chief Curator Dr. VICTOR GIRGIS; Houses the **Department of Antiquities:** established by decree in 1835 to conserve antiquities; the Department administers the archæological museums and controls excavations; Dir. Dr. ANWAR SHOUKRY: Librarian Miss DIA'ABOU-GHAZI; library contains 27,222 vols.; publs. museum catalogue, *Annals of the Antiquities Service of Egypt, Fouilles à Saqqarah, Les Temples immergés de la Nubie, Les Oasis Egyptiennes*, etc.

Greco-Roman Museum: Museum Street, Alexandria; f. 1892; exhibits from the Coptic, Roman, and Greek eras; publ. *Annuaire du Musée Gréco-Romain*; Dir. Dr. HENRY RIAD; library of 8,000 vols.; Librarian H. COMBER.

Museum of Islamic Art: Midan Ahmed Maher, Cairo; f. 1881; collection of art objects representing the evolution of Islamic art from the spread of Islam till 1879; Dir. AHMED MAMDOUH HAMDI; Chief Curator WAFIA AHMED EZZI; Curators: SOLIMAN AHMED SOLIMAN, ABDEL-RAHMAN FAHMY, ABDEL RAOUF ALY YOUSSEF HUSSEIN; publ. catalogues giving details of the collections and Islamic minor arts studies.

Museum of Modern Art: 4 Sharia Kasr El-Nil, Cairo; f. 1920; Curator SALAH E. TAHER.

Railway Museum: Cairo Station; f. 1933; contains models of foreign and Egyptian railways, and technical information and statistics of the evolution and development of the U.A.R. railways services; the library contains 4,711 vols. (Arabic 2,159, European 2,552); Curator ABDUL FETOUH MUSBAH

War Museum: The Citadel, Cairo; library of 6,000 vols.

UNIVERSITIES

AIN SHAMS UNIVERSITY

KASR-EL-ZAAFRAN,
ABBASIYAH, CAIRO

Founded 1950.

Rector: Dr. M. M. AHMED.
Registrar: A. G. AL-AROUSY.
Librarian: A.-A. EL-DALY.

Number of teachers: 1,025.
Number of students: 31,240.
Publications: Faculty reviews.

DEANS:

Faculty of Medicine: Dr. A. AMMAR.
Faculty of Arts: Dr. H. EL-SA'ATY.
Faculty of Science: Dr. M. I. FARES.
Faculty of Engineering: Dr. H. H. MOUSTAFA.
Faculty of Agriculture: Dr. A. A. G. HASSAN.
Faculty of Commerce: Dr. A. A. A. KERIM.
Faculty of Law: Dr. E.-EL-D. ABDALLAH.
Faculty of Education: Dr. Y. S. EL-D. KOTB.
College for Women: Prof. FATHIA SOLIMAN.

PROFESSORS:

Faculty of Medicine:
ABDEL-GHAFFAR, Y., Digestive System Diseases
ABDEL-TAWWAB, S. A., Pharmacology
ABU-SENNAH, I. A., Radiology
AMMAR, A. EL-S., Obstetrics, Gynæcology
AWNY, A. Y., Clinical Pathology
BAKHUM, W. K., Anæsthesia
EDAROS, S. M., Pathology
EL-DEEB, A. A., Radiology
EL-GAZAR, I. A.-EL-N., Histology
EL-GHOLMY, A.-A. H., Pediatrics
EL-KHOLY, S. EL-D., Bacteriology and Public Health, Tropical Medicine
EL-MAHALLAWY, M. N., Kidney Diseases
EL-MASRY, A. M. A., Ophthalmic Surgery and Medicine
EL-MEHIRY, M. M. A., Allergic Diseases
EL-MOFTY, A. H., Ear, Nose and Throat Surgery
EL-OKBY, M. A.-H., Skin and Venereal Diseases
EL-SADR, M. M., Nutrition
EL-SAMAH, Y. E.-EL-D., Audiology
EL-TONSY, M., Anæsthesia
EL-WEKIL, I. K., General Surgery
FARAG, K. S., Anæsthesia
GHELIONGY, P., Endocrinology and Metabolism
HASSAN, A. H., Psychological Medicine, Neurology
HEDAYET, M. A., General Surgery
HESSAIN, S. A., Poliomyelitis
ISA, A. EL-S., Cardiology
KENAWI, M. M., Blood Vessels Surgery
MEHREZ, M. S. S., Orthopædic Surgery
MOHAMMED, A. H., Physiology
SADEK, M. A., Urology
SHERIF, Y. A., Forensic Medicine and Pathology
SWEADAN, M. Z., General Medicine
TAHER, A. Z., Contact Lenses
WASHAHY, A. A., Pædiatrics

Faculty of Arts:
ABDELLAH, M. A., Economic History
ABU-RIDA, M. A.-H., Islamic Philosophy
BADAWI, A.-R., Philosophy and History of Philosophy
EL-KASSAS, M. M., Semitic Languages
EL-KOTT, A.-K., Literary Criticism
EL-SA'ATY, H., Sociology
GOTTIEH, G. M., French
MORCOS, L., Modern Poetry and the Novel
NOSHY, I., Ancient History
SADEK, D. A., Human Geography
SHOUAIRA, M. A.-H., Islamic History
ZEWAR, M., Psychology

Faculty of Science:
ABDEL-HAFEZ, M. G., Plant Physiology
AZZAM, A. M., Physical Chemistry
BADDAR, F. G., Organic Chemistry
EL-BEDEWY, F. A. A.-F., Nuclear Physics
FARES, M. I., General and Applied Geology
HASSANAIN, N. B. M., Optical Spectroscopy
IBRAHIM, Z. M., Electrodynamics
ISSA, I. A. M., General Biochemistry
MAKAR, R. H., Algebra, Mathematical Analysis
MEKHAIL, F. I., Relativity
MONTASIR, A.-H. B., General Botany
RAZOUK, R. E., Physical Chemistry
SAID, A.-H. K. M., Comparative Embryology of Vertebrates
SOLIMAN, A.-A. A.-H., General Entomology
TOBIA, S. K., Inorganic Chemistry
WASEF, K. M., Comparative Anatomy of Vertebrates

Faculty of Engineering:
ABBASS, M. H., Metallic Constructions
ABDEL-AZIZ, M. K., Production Engineering
AHMED, A. M., Theory of Structures
ATTA, A.-K., Strength and Testing of Materials
BOUTROS, Prof. R. F.-L., Building Constructions, Architectural Drawings
DOSS, S. H., Pure Mathematics and Statistics
EL-ALYLI, M. M., Automobile Engineering
EL-AROUSY, A.-A., Reinforced Concrete
EL-HAKIM, Prof. M. M., Architectural Design
EL-MAHDY, S. EL-D., M. Theory of Machines, Machine Design
HELMY, Prof. A. A.-H., Irrigation and Irrigation Design
KAMEL, A. K. M., Electrical Power Stations and High Voltage
KAMEL, A. M., Heat Engines
MASOUD, S. K. A., Mechanics, Applied Mathematics, Hydrodynamics
MENAW, F. I., Physics and Geophysics
MOUSTAFA, H. H., Surveying, Geodesy, Photogrammetry
NASEF, EL-A. AL-A., Irrigation and Drainage
REIAD, L., Theory of Structures
SHAKER, A., Theory of Structures
YOUSEF, S. EL-D. M. A., Radio Engineering, Electronics

Faculty of Agriculture:
ABDALLAH-HABIB, Economic Insecticides
ABDEL-HAFEZ, F. A., Organic Chemistry
AL-KHESHEN, EL-S. S., Animal Production
ASKAR, A. A., Animal Breeding
EL-DAMATY, A.-H., Soil Science
EL-HAKIM, S. K., Horticulture
EL-SADEK, G. EL-D. M., Dairy Technology
EL-TOMY, A. L., Horticulture
EL-TONBARY, A.-A. A.-H., Farm Management
GHONIEM, M. A.-M., Dairy Chemistry
HAMDY, H. M., Soil Science
HASSAN, A.-G., Insecticides
KADRY, A.-R., Plant Physiology
KAMAL, M. A.-M., Biochemistry
KHALIFA, A.-F., Insecticides
KHEDR, O. S., Animal Nutrition
OMAR, A.-A. M., Genetics
REDA, K. R. S., Economic Agriculture
TAHA, S. EL-D. M., Bacteriology
TAYEL, M. A.-R., Horticulture

Faculty of Commerce:
ABDEL-KERIM, M. A.-A., Financial Administration
EL-GEZERY, M. H., Financial Accounting
EWAIS, M. A.-G. Y., International and Comparative System

Faculty of Law:
ABAID, R. S., Criminal Law
ABDALLAH, A. E.-EL-D., Private International Law
EL-ATTAR, F. A., Administrative and Constitutional Law
EL-TEMAWY, S. M. S., Administrative and Constitutional Law
ESSAWY, Prof. E. A., Islamic Law
GHANEM, I. I., Civil Law
GHANEM, M. H., Public International Law
HEGAZY, A.-hy A. M., Civil Law
MADKOUR, M. S., Commercial and Maritime Law
MANSOUR, M. M., Civil Law
MESALIM, A. M., Commercial and Civil Procedure
NASR, Z. A., Economics
RASHED, A. A., Criminal Law
SHA'BAN, Prof. Z. EL-D., Islamic Law
SHEHATA, S. T., History of Law, Roman Law
YUNIS, A. H., Commercial and Maritime Law

Faculty of Education:
AHMED, A. A.-EL-A. S., Curriculum, Teaching of Mathematics
EL-GHARIB, R. M., Psychology of Learning
FAHMY, M. A., Mental Health, Psychology
IBRAHIM, A.-L. F., Curriculum, Teaching of Social Studies
KOTB, Y. S. EL-D., Curriculum, Teaching of Science
LUFTY, M. K. M., Comparative Education
RADWAN, A.-EL-F., Philosophical and Sociological Foundation of Education
SALEH, A. Z., Psychology: Teaching and Measurements
SARHAN, EL-D. A.-M., Curriculum, Teaching of Science

College for Women:
ABDEL-RAHMAN, A. M., Islamic Studies, Arabic Literature
AHMED, M. A.-S., Measurement in Psychology
ABU-EL-AININ, A. M., English Language and Literature
AL-BATRIK, A.-H., Modern History
EL-SAYED, M. M., Economic Geography
FAHMY, S. A., Clinical Psychology
KASHEF, S. I., Islamic History
MEKHAIL, M. N., Series of Polynomials and Random Meromorphic Functions
NEDA, I. A.-A., Plant Physiology
SOLIMAN, Prof. FATHIA H., Theory and History of Education

ALEXANDRIA UNIVERSITY

(Gameat El-Askandria)

SHATBY, ALEXANDRIA

Founded 1942

Rector: H. A. Baghdady.
Secretary-General: M. F. Labib.

Number of teachers: 825.
Number of students: *c.* 30,000.

Deans:

Faculty of Arts: M. T. Al-Fandy.
Faculty of Law: A. S. A. Heaf.
Faculty of Science: A. L. H. Nasr.
Faculty of Medicine: A. El-S. Darwich
Faculty of Pharmacy: M. M. Motawe.
Faculty of Engineering: A. El-S. Moustafa.
Faculty of Commerce: A. G. Younis.
Faculty of Agriculture: G. S. Al-Mallan.

AL-AZHAR UNIVERSITY

CAIRO

Telephone: 904051, 706097, 906154.

Founded 970.

Chancellor: Sheikh Hassan Mamoun.
Rector: Sheikh Ahmed H. Elbakoury.
Vice-Rector: Dr. M. A. Solima.
Principal: A. M. Ramadan.
Secretary-General: Sheikh S. M. Sharaf.
President of the Fatwa Committee: Sheikh Mohammed H. Makhlouf.
Director of Islamic Research Dept.: Sheikh Mohammed F. Ismail.
Cultural Officer: Sheikh Mohammed T. Al-Nahas.
Officer of Islamic Missions: Sheikh Taha S. Mahmoud.
Librarian: M. E. A. Hady.

Number of teachers: 705.

Number of students: (men) University 8,000, Institutes 25,020; 100 women students were admitted to the University in October 1962.

Publications: *Annual Report*, University and Faculty Calendars.

Deans:

Faculty of Theology: Prof. Dr. A. H. Mahmoud.
Faculty of Islamic Jurisprudence: Prof. Dr. A. H. Abdelkader.
Faculty of Arabic Studies: Sheikh Ahmed Ghoneim.
Faculty of Engineering: Prof. Dr. A. Fahmy.
Faculty of Medicine: Prof. Dr. A. Metawie.
Faculty of Business Administration Prof. L. Issawi.
Faculty of Agriculture: Prof. Dr. Z. Shabana.
Islamic Girl's College: Prof. Dr. Z. I. Rached.

Professors:

Faculty of Theology:
Abd-El-Ghaffar, Sheikh Mahmoud, Traditions of the Prophet
Mahmoud, A.-El-H., Theology and Islamic Philosophy
Saaffan, H. S., Sociology

Faculty of Islamic Jurisprudence:
Abdelkader, A. H., History of Jurisprudence
Elkeshky, Sheikh Moh. A-El-R., Comparative Jurisprudence

Faculty of Arabic Studies:
Ghuneim, Sheikh A. M., Linguistics
Hilal, M. G., Comparative Literature
Otaiba, Sheikh Mohamed A. A., Rhetoric

Faculty of Medicine:
Metawie, A. M., Radiology

Faculty of Business Administration:
Issawi, L. M., Accountancy
Namek, Y. S. E., Economics

Faculty of Agriculture:
Kamel, M., Agricultural Botany
Shabana, Z. M., Agricultural Economics

Faculty of Engineering:
Fahmy, M. A-El-S., Road Engineering

Principal Institutes Affiliated to the Al-Azhar University:

Asyut Institute: f. 1915; primary section: 642 students; secondary section: 478 students.

Cairo Institute: f. 1903; primary section: 1,704 students; secondary section: 1,656 students.

Damietta Institute (*Mosque of Al Bahr*): f. 1894; primary section: 462 students; secondary section: 213 students; the library contails 8,857 vols.

Ghaza Institute: primary section: 140 students.

Institute of Alexandria: f. 1903; primary section: 381 students; secondary section: 544 students; the library contains 14,268 vols.

Institute of Mansoura: primary section: 1,347 students; secondary section: 774 students.

Institute of Samannoud: primary section: 745 students; secondary section: 274 students.

Islamic Mission Institute: 3,826 students.

Kena Institute: primary section: 582 students; secondary section: 337 students.

Queraat Institute: for the study of the Holy Koran; f. 1939; 438 students.

Shebin El-Kom Institute: f. 1937; primary section: 470 students; secondary section: 478 students; the library contains 1,816 vols.

Sohag Institute: primary section: 428 students; secondary section: 533 students.

Tanta Institute (*Al Gami' El Ahmady*): f. 1276, renewed 1769; public division: 65 students; primary section: 1,956 students; secondary section: 1,382 students; the library contains 6,741 vols.

Zagazig Institute: primary section: 1,369 students; secondary section: 750 students.

AMERICAN UNIVERSITY AT CAIRO

113 SHARIA KASR EL-AINI, CAIRO

Telephone: 21830.
(American Address: 175 Fifth Avenue, New York 10)

Founded 1919.

President: Dr. T. A. Bartlett.
Treasurer: H. D. Conn, M.A.
Registrar: M. Wahba, M.A.
Librarian: G. H. Gardner, A.M.

The library contains 43,000 volumes.

Number of teachers: 65, including 10 professors.

Number of students: 732.

Publication: *Journal of Modern Education* (Arabic) (Editor Dr. A. Boktor).

Deans:

Undergraduate Faculty and *Faculty of Arts and Science:* M. S. Odell.
Faculty of Education: A. Boktor, Ph.D.
Division of Extension: H. Rizq, M.A.
Graduate Faculty and School of Oriental Studies: M. Jones.
Social Research Centre: L. el Hamamsy.

UNIVERSITY OF ASSIUT

ASSIUT

Founded 1957.

Rector: Dr. S. A. Huzayyin.
Vice-Director: Dr. M. El-Moatassim.
Secretary-General: M. El-H. Ahmed.
Vice-Secretary-General: A.-H. Raafat.

Number of teachers: 700.
Number of students: 7,345.

Deans:

Faculty of Science: M. Nassif (acting).
Faculty of Engineering: R. Sadek.
Faculty of Agriculture: A. H. El-Kerdany.
Faculty of Medicine and Pharmacy: M. M. El-Sadr.
Faculty of Veterinary Medicine: M. El-Hagry.
Faculty of Commerce: M. H. El-Nashar

CAIRO UNIVERSITY

ORMAN GHIZA

Telephone: 816086, 816087, 816088.

Founded in 1908 as the Egyptian University, a private institution, under the auspices of a committee. In 1925 it became a state institution, consisting of the Faculties of Arts, Science, Law and Medicine, this last incorporating the School of Medicine and Pharmacy at Kasr el Aini. In 1935 Faculties of Engineering, Agriculture, Commerce and Veterinary Science were founded, and the Arabic teacher-training institution, Dar El-Olum, was incorporated in 1945. The separate Faculties of Pharmacy and Dentistry were formed in 1955. The Faculty of Economic and

Political Science was founded in 1959. The Faculty of Medicine at Mansoura and the Institute of Statistical Studies and Researches were founded in 1960.

Rector: M. N. Hashad.

Vice-Rector: Dr. T. A. El R. Moussa.

Secretary-General: A. el A. Shehata.

Librarian: A. El M. A. El Naga.

Number of teachers: 1,726.

Number of students: 43,578.

Deans:

Faculty of Arts: Dr. A. El L. A. Aly.

Faculty of Law: Dr. G. G. A. El Rahman.

Faculty of Medicine: Dr. A. El A. Sami.

Faculty of Economics and Political Science: M. Z. Shafei.

Faculty of Science: H. Said.

Faculty of Commerce: M. K. el Harouni.

Faculty of Engineering: Dr. I. A. El Dimirdash.

Faculty of Dentistry: Dr. A. El A. Sami.

Faculty of Pharmacy: Dr. A. El A. H. Saber.

Faculty of Veterinary Medicine: A. M. Wahby.

Faculty of Agriculture: A. L. B. El Din.

Faculty of Dar El Olum: I. Anis.

Faculty of Medicine at Mansoura: Dr. I. A. El Naga.

Institute of Statistical Studies: Dr. H. M. Hussein.

Professors:

Faculty of Agriculture:

Ahmed, M. B., Agricultural Botany
Azab, A. K., Plant Protection
El Abideen, A. Z., Soil
El Az, S. El D. A., Plant Protection
El Din, A. L. B., Animal Production
El Shawarby, M. Y., Soil
El Tobgy, A. El H., Agricultural Botany
Fahmy, A. H., Agricultural Industries
Malak, Y. A., Agricultural Botany
Mohamed, O. W., Agricultural Economics
Raafat, M. A., Animal Production
Ragaab, M. T., Animal Production
Wafa, A. El K., Plant Protection
Zaazoa, M. H., Plant Protection
Zaher, A. El M., Agricultural Botany

Faculty of Arts:

Abd-El-Salem, A. S., Arabic Language
Abu-Bakr, A. M., Archæology
Aly, Z., History
Anis, M. A., History
Bakir, A. El M., Archæology
El Ahwany, A. El M., Arabic Language
El Ahwany, A. F., Philosophy
El Bakri, M. H., Librarianship and Documentation
Elerini, El S. El B., History
El Kalamawy, S., Arabic Language
El Khashaab, Y., Oriental Languages
El Tawil, M. T., Philosophy
Fakhry, A., Archæology
Hamza, A. M., Journalism and Translation
Kamel, M., Oriental Languages
Mahmoud, Z. N., Philosophy
Marzok, M. A. El-A., Archæology
Matta, G., Archæology
Moanis, H., History
Nagaty, M. O., Philosophy
Namy, K., Arabic Language
Osman, A. O., Philosophy
Osman, H., African Studies
Shafei, F., Archæology
Yonis, A. El H. A., Arabic Language

Faculty of Commerce:

El Gamal, M. M., Accountancy
El Harouni, M. K., Accountancy
El Sherief, H. A., Accoountancy
Hegazy, A. El A., Accountancy
Rahman, A. G. A., Statistics, Insurance and Mathematics

Faculty of Dar el Ulum:

Ahmad, I. A., Linguistics and Semitic Studies
Badwy, A. A., Rhetoric, Literary Criticism
El Dessouky, O. I., Literary Studies
El Hofi, A. M., Literary Studies
El Rais, M. D., Islamic History
Haroun, A. S. M., Grammar, Etymology and Prosody
Hindawy, M. M., Linguistic and Semantic Studies
Kasem, M. M., Islamic Philosophy

Faculty of Dentistry:

Amer, A. A., Oral Surgery

Faculty of Economic and Political Science:

Abu Ismail, A. A., Economics
El Badry, M. A. R., Statistics
El Emary, A. S., Political Science
El Nagar, S. El W., Economics
Ghali, B. B., Political Science

Faculty of Engineering:

Abdel Gelil, M. A., Mathematics and Physics
Abdel Latif, A. H., Electrical Engineering
Agour, M. S., Construction Engineering
Amin, M. S., Irrigation and Hydraulics
Azmy, G. T., Electrical Engineering
Bakhoum, N., Mathematics and Physics
El Ansari, S., Chemical Engineering
El Badri, H., Mining and Petrology
El Dimirdash, I. A., Aeronautics
El Gelil, M. A. A. G., Mathematics and Physics
El Said, M. A., Electrical Engineering
Ezzat, A., Production Engineering
Fahmi, H. H., Mechanical Engineering
Gaafar, I. A. S., Construction Engineering
Gaid, Y. K., Mechanical Power
Hilal, M., Construction Engineering
Ibrahim, M. M., Mining and Petrology
Ismail, H., Irrigation and Hydraulics
Khafagy, A., Irrigation and Hydraulics
Khalil, K. H., Mechanical Power
Khashaba, S., El D., Mathematics and Physics
Mahmoud, H. M., Electrical Engineering
Mohamad, A. H., Production Engineering
Mustafa, M. A. El M., Public Works
Nouman, M. S., Architecture
Raafat, N. M., Mechanical Power
Sameh, K. El D., Architecture
Youssef, M. S., Irrigation and Hydraulics

Faculty of Law:

Abbas, M. H., Commercial Law
Abdel Moneim, A. F., Civil Law
El Badrawi, A. M. El S., Civil Law
El Sada, A. M. F., Civil Law
Hafez, M. M., Public Law
Hussein, S. H., Roman Law
Khalil, M. M. M., Criminal Law
Morcos, S., Civil Law
Mustafa, M. M., Criminal Law
Rahman, G. G. A., International Law
Seif, R., Procedure
Shafik, M., Commercial and Maritime Law
Sultan, H., International Law
Zaki, M. G. El D., Civil Law

Faculty of Medicine:

Aboud, M. A., Pædiatrics
Askar, A. A., Special Medicine
Barakat, M. R., Hygiene, Preventive and Industrial Medicine
Behery, G. El-D., Surgery
Effat, S. A. El K., General Medicine
El Atribi, A. R., Special Medicine
El Bar, S. T. A., General Medicine
El Batrawy, Anatomy
El Diwani, M., Pædiatrics
El Hakim, M. S., Surgery
Elian, A. M. S., Pathology
El Mahdy, M. A. H., Pathology
El Malah, S. El-D., Special Surgery
El Nabi, A. A. A., Forensic Medicine
El Nasr, A. L. A., Cancer Institute
El Salam, R. A., General Medicine
El Samea, M. L. A., Surgery
El Sharkawi, A. El H., Special Surgery
El Sherbini, M. K., Surgery
El Sifi, M. F., Pathology
Elwi, A. M., Pathology
El Zenini, M. H., Surgery
Fawzy, R. M., Special Surgery
Gunaina, Y. A., Special Medicine
Hana, B. G., General Medicine
Hassanein, M. A., Hygiene, Preventive and Industrial Medicine
Ibrahim, H., Surgery
Ismail, I. T., Cancer Institute
Kersha, A. H., Pædiatrics
Khatwa, H. A. A., General Medicine
Kotob, M., Special Surgery
Mahmoud, M. El S., Radiography
Mazhar, K., Gynæcology and Obstetrics
Mehrez, I., Surgery
Moussa, A. H., Endemic Medicine
Ragaab, H., A. Endemic Medicine
Sami, A. El A., General Medicine
Shaaban, A. H., Gynæcology and Obstetrics
Shafik, M., Physiology
Sif-El Nasr, H. M., Special Medicine
Siror, A. H., General Medicine
Talaat, M., Physiology
Tarkhan, A. A., Physiology
Tawfik, M. S., Gynæcology and Obstetrics
Zekry, A. El S. A., Surgery

Faculty of Pharmacy:

Abu Zid, Y. M., Organic Chemistry
Balbaa, S. I., Pharmacognosy
El Ela, Z. A., Pharmaceutical Chemistry
El Kii, M. A. M., Pharmacognosy
Heussin, A. M., Pharmacognosy
Mohamad, F. El S., Analytical Chemistry
Saber, A. A. H., Pharmacognosy
Scote, P. M., Pharmacology

Faculty of Science:

Ahmed, A. M., Chemistry
Doss, R. H., Pure Mathematics
El Fandi, M. G., Astronomy
El Nadi, M. A. M., Physics
El Toby, M. R., Zoology
Farag, I. A. K., Geology
Fawzy, H., Botany
Forisa, A. M., Astronomy
Hammad, A., Applied Mathematics
Ibrahim, M. H., Entomology
Khalil, F., Zoology
Lito, Y., Physics
Molouk, M. A., Zoology
Mougahed, A. M., Botany
Moukhtar, M., Physics
Moussa, A. A., Chemistry
Mustafa, M. A. A., Botany
Said, H. M., Botany
Shoukri, N. M., Geology

Faculty of Veterinary Medicine:

Abd Alla, A. R., Veterinary Hygiene and Food Supervision

BARKAT, M. Z., Physiology
BASTAWY, N. H., Animal Surgery
HEBA, M. H., Pathology and Parasitology
HENDAWI, M. R., Pathology and Parasitology
MAHMOUD, A. H., Medicine
NASR, H., Physiology
SHARAF, A. A. Y., Pharmacology
SMETH, K., Animal Surgery
WAHBY, A. M., Veterinary Hygiene and Food Supervision
ZAKI, O. A. H., Animal Bacteriology

Institute of Statistical Studies and Researches
HUSSEIN, H. M., Applied Statistics

FACULTY OF MEDICINE
MANSOURA

Founded 1960.

Provisionally attached to the University of Cairo, but it is expected to become the nucleus of the new University of Mansoura.

Dean: Dr. I. A. EL NAGA.

FACULTY OF MEDICINE
TANTA

Founded 1963.

Provisionally attached to the University of Alexandria, but it is expected to become the nucleus of the new University of Tanta.

Dean: M. L. BAYYOUMI.

COLLEGES

Arab States Training Centre for Education for Community Development (ASFEC): Sirs-el-Lavyan, Menoufia; f. 1952; training of specialists, production of prototype educational material, research in community development problems.

Cairo Polytechnical Institute: 108 Shoubra Street, Shoubra, Cairo; f. 1961; Engineering, Agriculture, Commerce; Dir. H. H. MOHAMED.

Ecole Française de Droit: Mounira, Cairo; f. 1893.

Higher Institute for Agriculture: Shebin El-Kom; number of teachers 15, students 60.
Dean: A. A. L. EL-NAYAL.

Higher Institute of Finance and Commerce: 26 Sharia Safia Zaghloul, Mounira, Cairo; f. 1942; number of students 650.
Dean: A. L. HUSSEIN.

Higher Institute for Women Teachers of Arts: Boulac, Cairo; number of teachers 58, students 301.
Dean: S. A. I. RASHED.

Institute of Education: 16 Sharia Amin Samy Pasha, Mounira, Cairo; f. 1929; teachers' training institute: education, psychology, teaching method, art, etc., and courses leading to M.A.(Ed.) and Ph.D. degrees; number of students 370.

Deans: M. F. EL-AMROUSSY, A. HASSOUNA, Dr. A. A. EL-KERDANY, I. M. EL-KABBANY, M. F. ABU-HADEED, Dr. A. KOUSSY, DIP.ED., M.SC., PH.D. (LOND.).

Mansoura Polytechnical Institute: Mansoura; f. 1959; courses in production, mechanical, civil and electrical engineering and industrial organisation; Dir. F. S. EL-SHERIF.

University of the Suez Canal: Suez; f. 1965; faculties of petroleum, maritime navigation, naval construction.

SCHOOLS OF ART AND MUSIC

College of Fine Arts: Zamalek, Cairo; f. 1928; number of teachers 41, students 381.
Dean: Prof. Dr. A. K. FAHMI.
Registrar: M. FARAG.
Librarian: M. N. COUTRY.
The library contains 5,134 volumes.

Higher School of Applied Arts: Giza; number of teachers 34, students 200.
Director: Mtre. A. YOUSEF.

Higher Institute of Theatrical Art: 15 El-Maahad El-Swissry Street, Zamalek, Cairo; f. 1958.
Director: S. KHATTAB.

Higher Institute of Cinema: Cairo; f. 1959.
Director: M. KARIM.

Higher Institute of National Music (Conservatoire): Cité des Arts, rue Galal, Avenue des Pyramides, Gizeh, Cairo; f. 1959.
Director: Dr. A. B. KHARAT.

UNITED STATES OF AMERICA

Population 192,000,000

ACADEMIES

NATIONAL ACADEMY OF SCIENCES—NATIONAL RESEARCH COUNCIL

2101 Constitution Avenue, Washington 25, D.C.

The National Academy of Sciences—National Research Council is a private non-profit-making organisation dedicated to the advancement of science and to its use for the general welfare.

The Academy itself was established in 1863 by Congressional charter and required to provide for all activities appropriate to an academy of science and to act as an adviser to the government. Membership (currently over 700) is by election only and is in recognition of research accomplishments. The National Research Council was established by the Academy in 1916. Its members (currently about 285) receive their appointments from the President of the Academy and include nominees of the major scientific and technical societies, representatives of the government and a number of members-at-large.

In addition, more than 5,000 of the foremost scientists and technologists of the country co-operate in the work of the Academy-Research Council, without financial compensation, through service on its many boards and committees in the eight Divisions of the Academy-Research Council—Behavioural Sciences, Biology and Agriculture, Chemistry and Chemical Technology, Earth Sciences, Engineering and Industrial Research, Mathematics, Medical Sciences, and Physical Sciences. Also in the Academy-Research Council are three Offices established to deal with matters affecting all the natural sciences—Office of Scientific Personnel, Office of Foreign Secretary, and the Office of Documentation.

NATIONAL ACADEMY OF SCIENCES

Founded 1863.

President: G. B. KISTIAKOWSKY.

Vice-President: J. A. STRATTON.

Home Secretary: HUGH L. DRYDEN.

Foreign Secretary: HARRISON BROWN.

Treasurer: L. V. BERKNER.

Council of the Academy: *L. V. BERKNER, HARRISON BROWN, *HUGH L. DRYDEN, STERLING B. HENDRICKS, *G. B. KISTIAKOWSKY, ARTHUR KORNBERG, COLIN M. MACLEOD, E. J. MCSHANE, *K. S. PITZER, *F. SEITZ, T. M. SONNEBORN, *PAUL WEISS.

* Members of the Executive Committee.

The number before each name indicates the Section to which the member belongs, or, in the case of a Foreign Associate, the field of scientific research in which he was working at the time of his election, as follows:

1 Mathematics.	8 Zoology and Anatomy.
2 Astronomy.	9 Physiology.
3 Physics.	10 Pathology and Microbiology.
4 Engineering.	11 Anthropology.
5 Chemistry.	12 Psychology.
6 Geology.	13 Geophysics.
7 Botany.	14 Biochemistry.

MEMBERS:

2 ABBOT, CHARLES G., A.M., D.SC., LL.D., Smithsonian Institution, Washington, D.C. 20560.

6 ABELSON, PHILIP H., Geophysical Laboratory, Carnegie Institution of Washington, 2801 Upton Street, N.W., Washington ,D.C. 20008.

13 ADAMS, L. H., SC.D., 8700 Rayburn Road, Bethesda, Md. 20034.

5 ADAMS, ROGER, PH.D., D.SC., University of Illinois, Urbana, Ill. 61803.

1 AHLFORS, LARS V., PH.D., Harvard University, Cambridge, Mass. 02138.

1 ALBERT, A. ADRIAN, M.S., PH.D., 111 Eckhart Hall, University of Chicago, Chicago, Ill. 60637.

5 ALBERTY, ROBERT A., Graduate School, University of Wisconsin, Madison, Wis. 53706.

11 ALBRIGHT, W. F., Oriental Seminary, Johns Hopkins University, Baltimore, Md. 21218.

1 ALEXANDER, JAMES W., M.A., PH.D., 29 Cleveland Lane, Princeton, N.J. 08540.

2 ALLER, LAWRENCE HUGH, Department of Astronomy, University of California, Los Angeles, Calif. 90024.

3 ALLISON, SAMUEL K., B.S., PH.D., The Enrico Fermi Institute for Nuclear Studies, University of Chicago, Chicago, Ill. 60637.

3 ALVAREZ, LUIS W., M.S., PH.D., University of California, Berkeley, Calif. 94720.

3 ANDERSON, CARL D., California Institute of Technology, Pasadena Calif. 91109.

6 ANDERSON, CHARLES A., U.S. Geological Survey, 345 Middlefield Road, Menlo Park, Calif. 94025.

7 ANDERSON, EDGAR, Missouri Botanical Gardens, 2315 Tower Grove Avenue, St. Louis, Mo. 63110.

3 ANDERSON, HERBERT L., The Enrico Fermi Institute for Nuclear Studies, University of Chicago, Chicago, Ill. 60637.

7 ANDERSON, THOMAS FOXEN, The Institute for Cancer Research, 7701 Burholme Avenue, Philadelphia, Pa. 19111.

14 ANFINSEN, C. B., National Institutes of Health, Bethesda, Md. 20014.

10 ARMSTRONG, CHARLES, SC.D., M.D., National Institutes of Health, Bethesda, Md. 20014.

13 ARNOLD, JAMES RICHARD, Department of Chemistry, University of California, San Diego, La Jolla, Calif. 92038.

7 ARNOLD, WILLIAM ARCHIBALD, Biology Division, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tennessee 37831.

7 ARNON, DANIEL I., 251 Hilgard Hall, University of California, Berkeley, Calif. 94720.

4 ASTIN, ALLEN V., National Bureau of Standards, Washington, D.C. 20234.

9 ASTWOOD, EDWIN B., New England Medical Center Hospitals, Boston, Mass. 02111.

9 AUB, JOSEPH C., Massachusetts General Hospital, Boston, Mass. 02114.

2 BABCOCK, HAROLD D., B.S., 1820 Atchison Street, Pasadena, Calif. 91104.

2 BABCOCK, HORACE W., Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, Calif. 91106.

3 BACHER, ROBERT F., B.S., PH.D., California Institute of Technology, Pasadena, Calif. 91109.

5 BADGER, R. MCLEAN, California Institute of Technology, Pasadena, Calif. 91109.

10 BAILEY, PERCIVAL, S.B., PH.D., M.D., Illinois State Psychiatric Institute, 1601 West Taylor Street, Chicago, Ill. 60612.

4 BAIN, EDGAR C., 434 Maple Lane, Edgeworth, Sewickley, Pa. 15143.

3 BAINBRIDGE, KENNETH T., M.S., A.M., PH.D., Harvard University, Cambridge, Mass. 02138.

2 BAKER, JAMES G., Harvard College Observatory, Cambridge, Mass. 02138.
5 BAKER, W. O., Bell Telephone Laboratories, Inc., Murray Hill, N.J. 07971.
11 BALL, ERIC GLENDINNING, Harvard University Medical School, 25 Shattuck Street, Boston, Mass. 02115.
14 BALLS, ARNOLD K., 1988 Thousand Oaks Boulevard, Berkeley, Calif. 94707.
9 BARD, PHILIP, A.M., PH.D., Johns Hopkins Medical School, 725 North Wolfe Street, Baltimore, Md. 21205.
3 BARDEEN, JOHN, University of Illinois, Urbana, Ill. 61803.
7 BARKER, HORACE A., PH.D., University of California, Berkeley, Calif. 94720.
8 BARTELMEZ, GEORGE WILLIAM, B.S., PH.D., 224 Agnes Avenue, Missoula, Montana 59801.
5 BARTLETT, PAUL D., A.M., PH.D., Harvard University, Cambridge, Mass. 02138.
12 BEACH, FRANK AMBROSE, M.S., PH.D., University of California, Berkeley, Calif. 94720.
7 BEADLE, G. W., M.S., PH.D., University of Chicago, Chicago, Ill. 60637.
3 BEAMS, J. W., A.M., PH.D., University of Virginia, Charlottesville, Va. 22903.
4 BENEDICT, MANSON, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
13 BENIOFF, V. HUGO PH.D., California Institute of Technology, Pasadena, Calif. 91105.
7 BENZER, SEYMOUR, Purdue University, Lafayette, Ind. 47907.
13 BERKNER, LLOYD VIEL, Graduate Research Center of the Southwest, P.O. Box 30365, Dallas, Texas 75230.
1 BERS, LIPMAN, Department of Mathematics, Columbia University, New York, N.Y. 10027.
3 BETHE, H. A., PH.D., Cornell University, Ithaca, N.Y. 14850.
8 BIGELOW, HENRY B., A.M., PH.D., Museum of Comparative Zoology at Harvard College, Oxford Street, Cambridge, Mass. 02138.
1 BING, R. H., University of Wisconsin, Madison, Wis. 53706.
6 BIRCH, ALBERT FRANCIS, M.A., PH.D., Harvard University, Cambridge, Mass. 02138.
3 BIRGE, RAYMOND T., A.M., PH.D., University of California, Berkeley, Calif. 94720.
13 BJERKNES, J., PH.D., University of California, Los Angeles, Calif. 90024.
6 BLACKWELDER, ELIOT, A.B., PH.D., 2122 Santa Cruz Avenue, Menlo Park, Calif. 94026.
1 BLACKWELL, DAVID H., University of California, Berkeley, Calif. 94720.
3 BLEAKNEY, WALKER, Princeton University, P.O. Box 708, Princeton, N.J. 08540.
7 BLINKS, LAWRENCE R., Hopkins Marine Station of Stanford University, Pacific Grove, Calif. 93950.
3 BLOCH, FELIX, Stanford University, Stanford, Calif. 94305.
14 BLOCH, KONRAD E., Harvard University, 12 Oxford Street, Cambridge, Mass. 02138.
3 BLOEMBERGEN, NICOLAAS, Pierce Hall, Harvard University, Cambridge, Mass. 02138.
5 BLOMQUIST, ALFRED T., Department of Chemistry, Cornell University, Ithaca, N.Y. 14850.
8 BLOOM, WILLIAM, University of Chicago, Chicago, Ill. 60637.
1 BOCHNER, SALOMON, PH.D., Princeton University, P.O. Box 708, Princeton, N.J. 08540.
4 BODE, H. W., Bell Telephone Laboratories, Inc., Whippany, N.J. 07981.
8 BODENSTEIN, DIETRICH H. F. A., Department of Biology, University of Virginia, Charlottesville, Va. 22903.
8 BODIAN, DAVID, School of Medicine, Johns Hopkins University, 725 North Wolfe Street, Baltimore, Md. 21205.
5 BOEKELHEIDE, VIRGIL CARL, University of Oregon, Eugene, Oregon 97403.
5 BOLTON, E. K., A.M., SC.D., PH.D., 2310 West 11th Street, Wilmington, Del. 19805.
7 BONNER, JAMES FREDERICK, A.B., PH.D., California Institute of Technology, Pasadena, Calif. 91109.
13 BOOKER, HENRY G., University of California, San Diego, La Jolla, Calif. 92038.
12 BORING, EDWIN G., A.M., PH.D., Memorial Hall, Harvard University, Cambridge, Mass. 02138.
7 BORTHWICK, H. A., United States Department of Agriculture, Beltsville, Md. 20251.
1 BOTT, RAOUL, Department of Mathematics, Harvard University, 2 Divinity Avenue, Cambridge, Mass. 02138.
2 BOWEN, I. S., Mt. Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, Calif. 91106.
3 BRADBURY, NORRIS E., A.B., PH.D., Los Alamos Scientific Laboratory, P.O. Box 1663, Los Alamos, New Mexico 87544.
6 BRADLEY, W. H., PH.D., United States Geological Survey, Department of the Interior, Washington, D.C. 20240.
11 BRAIDWOOD, ROBERT JOHN, The Oriental Institute, University of Chicago, Chicago, Ill. 60637.
6 BRAMLETTE, MILTON N., Scripps Institution of Oceanography, La Jolla, Calif. 92038.
3 BRATTAIN, WALTER H., Whitman College, Walla Walla, Wash. 99362.
1 BRAUER, RICHARD D., Department of Mathematics, Harvard University, Cambridge, Mass. 02138.
7 BRAUN, ARMIN C., Rockefeller Institute, New York, N.Y. 10021.
3 BREIT, G., A.B., PH.D., Yale University, P.O. Box 2014, New Haven, Conn. 06520.
5 BREWER, LEO, University of California, Berkeley, Calif. 94720.
8 BRIGGS, ROBERT WILLIAM, Indiana University, Bloomington, Ind. 47405.
3 BRILLOUIN, LEON, PH.D., 88 Central Park West, New York, N.Y. 10023.
9 BRINK, FRANK, Jr., Rockefeller Institute, New York, N.Y. 10021.
7 BRINK, R. A., B.S.A., M.S., SC.D., University of Wisconsin, Madison, Wis. 53706.
3 BRODE, ROBERT BIGHAM, PH.D., University of California, Berkeley, Calif. 94720.
5 BRODE, WALLACE R., 3900 Connecticut Avenue, N.W., Washington, D.C. 20008.
9 BRONK, DETLEY W., A.B., M.S., PH.D., Rockefeller Institute, New York, N.Y. 10021.
4 BROOKS, HARVEY, Harvard University, Cambridge, Mass. 02138.
2 BROUWER, DIRK, PH.D., Yale Observatory, Box 2023, Yale Station, New Haven, Conn. 06520.
13 BROWN, HARRISON S., Division of Geological Sciences, California Institute of Technology, Pasadena, Calif. 91109.
5 BROWN, HERBERT C., Purdue University, Lafayette, Ind. 47907.
14 BUCHANAN, JOHN MACHLIN, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
5 BÜCHI, GEORGE H., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
6 BUDDINGTON, A. F., M.S., PH.D., Princeton University, Princeton, N.J. 08540.
6 BUERGER, M. J., S.M., PH.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
8 BULLOCK, THEODORE H., University of California, Los Angeles, Calif. 90024.
7 BURKHOLDER, PAUL RUFUS, M.A., SC.D., Lamont Geological Observatory of Columbia University, Torrey Cliff, Palisades, N.Y. 10964.
8 BURNS, R. K., Bridgewater College, Bridgewater, Va. 22812.
7 BURRIS, R. H., University of Wisconsin, Madison, Wis. 53706.
4 BUSH, V., SC.D., ENG.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
13 BYERLY, PERRY, A.M., PH.D., University of California, Berkeley, Calif. 94720.
13 BYERS, HORACE R., University of Chicago, Chicago, Ill. 60637.

5 CALVIN, MELVIN, University of California, Berkeley, Calif. 94720.
10 CANNON, PAUL R., A.B., PH.D., M.D., Box 56, Route 2, Yorkville, Ill. 60560.
12 CARMICHAEL, LEONARD, B.S., PH.D., National Geographic Society, 17th and M Streets, N.W., Washington, D.C. 20036.
14 CARTER, H. E., A.M., PH.D., University of Illinois, Urbana, Ill. 61803.
10 CASTLE, W. B., M.D., Boston City Hospital, Boston, Mass. 02118.
13 CHAMBERLAIN, JOSEPH W., Kitt Peak National Observatory, 950 North Cherry Avenue, P.O. Box 4130, Tucson, Ariz. 85717.
3 CHAMBERLAIN, OWEN, Department of Physics, University of California, Berkeley, Calif. 94720.
14 CHANCE, BRITTON, University of Pennsylvania, Philadelphia, Pa. 19104.
7 CHANDLER, W. H., B.S.A., M.S., PH.D., 341 South Almont Drive, Beverly Hills, Calif. 90211.
2 CHANDRASEKHAR, S., Laboratory for Astrophysics and Space Research, 933 East 56th Street, Chicago, Ill. 60637.

6 CHANEY, RALPH W., B.S., PH.D., University of California, Berkeley, Calif. 94720.
14 CHARGAFF, ERWIN, Columbia University College of Physicians and Surgeons, 630 West 168th Street, New York, N.Y. 10032.
13 CHARNEY, JULE GREGORY, Department of Meteorology, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
1 CHERN, SHIING-SHEN, University of California, Berkeley, Calif. 94720.
3 CHEW, GEOFFREY FOUCAR, University of California, Berkeley, Calif. 94720.
4 CHIPMAN, JOHN, Department of Metallurgy, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
3 CHRISTY, ROBERT F., California Institute of Technology, Pasadena, Calif. 91109.
14 CLARKE, HANS T., D.SC., 19 Ware Street, Cambridge, Mass. 02138.
7 CLAUSEN, JENS, Carnegie Institution of Washington, Stanford, Calif. 94305.
7 CLELAND, RALPH E., M.S., PH.D., Indiana University, Bloomington, Ind. 47405.
2 CLEMENCE, GERALD M., Yale University Observatory, 2034 Yale Station, New Haven, Conn. 06520.
8 CLEVELAND, L. R., University of Georgia, Athens, Ga. 30601.
6 CLOOS, ERNST, PH.D., Johns Hopkins University, Baltimore, Md. 21218.
6 CLOUD, PRESTON E., Jr., University of California, Los Angeles, Calif. 90024.
10 COGGESHALL, LOWELL THEWELL, A.M., M.D., LL.D., Route 3, Foley, Alabama 36535.
8 COLBERT, EDWIN H., American Museum of Natural History, Central Park West at 79th Street, New York, N.Y. 10024.
9 COLE, KENNETH S., National Institutes of Health, Bethesda, Md. 20014.
9 COMROE, JULIUS H., Jr., University of California Medical Center, San Francisco, Calif. 94122.
5 CONANT, JAMES B., A.M., PH.D., LL.D., A Study of American Education, Princetown, N.J. 08540.
3 CONDON, E. U., A.B., PH.D., 761 Cascade Avenue, Boulder, Colo. 80302.
5 CONNICK, ROBERT E., College of Chemistry, University of California, Berkeley, Calif. 94720.
11 COON, CARLETON S., 207 Concord Street, Gloucester, Mass. 01930.
10 COONS, ALBERT H., Harvard Medical School, Boston, Mass. 02115.
5 COPE, ARTHUR C., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
14 CORI, CARL F., M.D., Washington University School of Medicine, Euclid Avenue and Kingshighway, St. Louis, Mo. 63110.
8 CORNER, GEORGE W., M.D., American Philosophical Society, 104 South Fifth Street, Philadelphia, Pa. 19106.
7 COUCH, JOHN N., A.M., PH.D., University of North Carolina. Chapel Hill, N.C. 27515.
1 COURANT, RICHARD, New York University, 251 Mercer Street, New York, N.Y. 10012.
9 COURNAND, ANDRE FREDERIC, Columbia University, Bellevue Hospital, 462 First Avenue, New York, N.Y. 10016.
14 CRAIG, LYMAN C., Rockefeller Institute, New York, N.Y. 10021.
5 CRAM, DONALD J., University of California, Los Angeles, Calif. 90024.
5 CRAWFORD, BRYCE L., Jr., University of Minnesota, Minneapolis, Minn. 55455.
8 CROW, JAMES F., University of Wisconsin, Madison, Wis. 53706.
4 CURME, GEORGE O., Jr., SC.D., PH.D., Union Carbide Corporation, 270 Park Avenue, New York, N.Y. 10017.
5 CURTIN, DAVID Y., Department of Chemistry and Chemical Engineering, University of Illinois, Urbana, Ill. 61803.

10 DALLDORF, G., Sloan-Kettering Institute for Cancer Research, 145 Boston Post Road, Rye, N.Y. 10580.
8 DANFORTH, C. H., A.M., PH.D., Stanford University, Stanford, Calif. 94305.
5 DANIELS, FARRINGTON, M.S., PH.D., Solar Energy Laboratory, University of Wisconsin, Madison, Wis. 53706.
4 DARKEN, LAWRENCE S., United States Steel Corporation, Research Center, Monroeville, Pa. 15146.
5 DARLINGTON, PHILIP J., Jr., Museum of Comparative Zoology at Harvard College, Oxford Street, Cambridge, Mass. 02138.
5 DAVIDSON, NORMAN R., California Institute of Technology, Pasadena, Calif. 91109.
9 DAVIS, HALLOWELL, Central Institute for the Deaf, 818 South Euclid, St. Louis, Mo. 63110.
5 DEBYE, PETER, E.E., PH.D., Cornell University, Ithaca, N.Y. 14850.
7 DELBRÜCK, MAX, PH.D., California Institute of Technology, Pasadena, Calif. 91109.
8 DEMEREC, MILISLAV, PH.D., Brookhaven National Laboratory, Upton, Long Island, N.Y. 11973.
4 DEN HARTOG, J. P., E.E., PH.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
3 DENNISON, DAVID M., A.B., D.SC., PH.D., University of Michigan, Ann Arbor, Mich. 48104.
8 DETHIER, VINCENT G., University of Pennsylvania, Philadelphia, Pa. 19104.
3 DEUTSCH, MARTIN, Laboratory for Nuclear Science, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
10 DINGLE, JOHN HOLMES, Department of Preventive Medicine, Wearn Research Building, University Hospitals, Cleveland, Ohio 44106.
5 DJERASSI, CARL, Stanford University, Stanford, Calif. 94305.
8 DOBZHANSKY, THEODOSIUS, Rockefeller Institute, New York, N.Y. 10021.
5 DOERING, WILLIAM VON EGGERS, Yale University, 1901A Yale Station, New Haven, Conn. 06520.
14 DOISY, E. A., A.B., M.S., PH.D., St. Louis University School of Medicine, 1402 South Grand Boulevard, St. Louis. Mo. 63104.
1 DOOB, J. L., University of Illinois, Urbana, Ill. 61803.
14 DOTY, PAUL, Harvard University, 12 Oxford Street, Cambridge, Mass. 02138.
14 DOUDOROFF, MICHAEL, University of California, Berkeley, Calif. 94720.
1 DOUGLAS, JESSE, B.S., PH.D., Butler Hall, 88 Morningside Drive, New York, N.Y. 10027.
10 DRAGSTEDT, LESTER REYNOLD, M.S., PH.D., M.D., University of Florida, Gainesville, Fla. 32603.
4 DRAPER, CHARLES S., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
5 DRICKAMER, HARRY G., University of Illinois, Urbana, Ill. 61803.
4 DRYDEN, HUGH L., M.A., PH.D., National Aeronautics and Space Administration, 400 Maryland Avenue, S.W., Washington, D.C. 20546.
10 DUBOS, RENÉ J., B.S., PH.D., Rockefeller Institute, New York, N.Y. 10021.
3 DUBRIDGE, L. A., A.M., PH.D., California Institute of Technology, Pasadena, Calif. 91109.
10 DULBECCO, RENATO, The Salk Institute for Biological Studies, Box 9499, San Diego, Calif. 92109.
3 DUMOND, JESSE W. M., M.S., PH.D., California Institute of Technology, Pasadena, Calif. 91109.
6 DUNBAR, CARL O., A.B., PH.D., 1615 Santa Barbara Drive, Dunedin, Fla. 33528.
8 DUNN, L. C., M.S., SC.D., 635 West 247th Street, New York, N.Y. 10471.
3 DUNNING, JOHN RAY, School of Engineering and Applied Science, Columbia University, New York, N.Y. 10027.
14 DU VIGNEAUD, VINCENT, M.S., PH.D., Cornell University Medical College, 1300 York Avenue, New York, N.Y. 10021.
3 DYSON, FREEMAN JOHN, Institute for Advanced Study, Princeton, N.J. 08540.

10 EAGLE, HARRY, Albert Einstein College of Medicine, Bronx, N.Y. 10461.
13 ECKART, CARL, University of California, San Diego, La Jolla, Calif. 92038.
4 EDGERTON, HAROLD E., Department of Electrical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
14 EDSALL, JOHN T., A.B., M.D., The Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Mass. 02138.
11 EGGAN, F. R., University of Chicago, 1126 East 59th Street, Chicago, Ill. 60637.
1 EILENBERG, SAMUEL, Columbia University, New York, N.Y. 10027.
1 EISENHART, L. P., PH.D., SC.D., 25 Alexander Street, Princeton, N.J. 08541.
5 ELDERFIELD, ROBERT COOLEY, A.B., PH.D., University of Michigan, Ann Arbor, Mich. 48104.
13 ELSASSER, WALTER M., Princeton University, Princeton, N.J. 08540.

8 Emerson, Alfred Edwards, Huletts Landing, N.Y. 12841.
5 Emmett, Paul H., Department of Chemistry, Johns Hopkins University, Baltimore, Md. 21218.
10 Enders, John F., M.A., PH.D., The Children's Hospital Center, 300 Longwood Avenue, Boston, Mass. 02115.
3 Epstein, Paul S., PH.D., 1484 Oakdale Street, Pasadena, Calif. 91106.
9 Erlanger, Joseph, B.S., M.D., LL.D., 5127 Waterman Boulevard, St. Louis, Mo. 63108.
7 Esau, Katherine, University of California, Santa Barbara, Calif. 93016.
12 Estes, William K., Stanford University, Stanford, Calif. 94305.
1 Evans, Griffith C., A.M., PH.D., University of California, Berkeley, Calif. 94720.
9 Evans, Herbert McL., B.SC., M.D., University of California, Berkeley, Calif. 94720.
13 Ewing, William Maurice, Columbia University, Lamont Geological Observatory, Torrey Cliff, Palisades, N.Y. 10964.
5 Eyring, Henry, B.A., M.S., PH.D., Graduate School, University of Utah, Salt Lake City, Utah 84112.

3 Fairbank, William M., Stanford University, Stanford, Calif. 94305.
1 Feller, William, Fine Hall, Princeton University, Princeton, N.J. 08540.
9 Fenn, Wallace O., A.M., PH.D., University of Rochester, 260 Crittenden Boulevard, Rochester, N.Y. 14620.
5 Ferry, John D., University of Wisconsin, Madison, Wis. 53706.
3 Feynman, Richard P., California Institute of Technology, Pasadena, Calif. 91109.
5 Fieser, Louis F., A.B., PH.D., Harvard University, Cambridge, Mass. 02138.
4 Fisk, James Brown, Bell Telephone Laboratories, Inc., Murray Hill, N.J. 07971.
4 Fletcher, Harvey, PH.D., D.S., 293 Eyring Science Center, Brigham Young University, Provo, Utah 84601.
8 Flexner, Louis B., School of Medicine, University of Pennsylvania, Philadelphia, Pa. 19104.
5 Flory, Paul John, M.S., PH.D., Department of Chemistry, Stanford University, Stanford, Calif. 94305.
5 Folkers, Karl August, Stanford Research Institute, Menlo Park, Calif. 94025.
4 Foote, Paul D., A.M., PH.D., 5144 Macomb Street, N.W., Washington, D.C. 20016.
13 Forbush, Scott Ellsworth, Carnegie Institute of Washington, 5241 Broad Branch Road, N.W., Washington, D.C. 20015.
3 Fowler, William A., California Institute of Technology, Pasadena, Calif. 91109.
10 Francis, Thomas, Jr., University of Michigan, Ann Arbor, Mich. 48104.
7 Fred, Edwin B., M.S., PH.D., University of Wisconsin, Madison, Wis. 53706.
7 French, C. Stacey, Carnegie Institution of Washington, Stanford, Calif. 94305.
8 Friedman, Herbert, United States Naval Research Laboratory (Code 7100), Washington, D.C. 20390.
13 Friedmann, Herbert, Los Angeles County Museum, 900 Exposition Boulevard, Los Angeles, Calif. 90007.
1 Friedrichs, Kurt Otto, Institute of Mathematical Sciences, New York University, New York, N.Y. 10012.
14 Fruton, Joseph S., Yale University, 333 Cedar Street, New Haven, Conn. 06520.
5 Fuoss, Raymond M., SC.B., PH.D., 57 Mill Rock Road, New Haven, Conn. 06511.
5 Fuson, R. C., A.M., PH.D., University of Nevada, Reno, Nevada 89507.

12 Galambos, Robert, Yale University, 333 Cedar Street, New Haven, Conn. 06520.
3 Gamow, George, PH.D., University of Colorado, Boulder, Colo. 80304.
12 Garner, Wendell R., Johns Hopkins University, Baltimore, Md. 21218.
6 Garrels, Robert Minard, Harvard University, Cambridge, Mass. 02138.
5 Gates, Marshall DeMotte, Jr., Department of Chemistry, University of Rochester, Rochester, N.Y. 14627.
3 Gell-Mann, Murray, California Institute of Technology, Pasadena, Calif. 91109.
9 Gerard, Ralph W., University of California, Irvine, Calif. 92650.
5 Giauque, William F., B.S., PH.D., SC.D., University of California, Berkeley, Calif. 94720.
4 Gibbs, William F., M.A., D.SC., One Broadway, New York, N.Y. 10004.
4 Gilliland, Edwin Richard, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
6 Gilluly, James, B.S., PH.D., U.S. Geological Survey, Denver Federal Center, Denver, Colo. 80225.
9 Gilman, Alfred, Albert Einstein College of Medicine of Yeshiva University, New York, N.Y. 10461.
5 Gilman, Henry, B.S., A.M., PH.D., Iowa State University, Ames, Iowa 50012.
3 Glaser, Donald Arthur, University of California, Berkeley, Calif. 94720.
8 Glass, Hiram Bentley, Johns Hopkins University, Baltimore, Md. 21218.
7 Goddard, David Rockwell, PH.D., University of Pennsylvania, Philadelphia, Pa. 19104.
1 Gödel, Kurt, The Institute for Advanced Study, Princeton, N.J. 08540.
10 Goebel, Walther Frederick, Rockefeller Institute, New York, N.Y. 10021.
2 Goldberg, Leo, Harvard College Observatory, Cambridge, Mass. 02138.
3 Goldberger, M. L., Princeton University, Princeton, N.J. 08540.
3 Goldhaber, Maurice, Brookhaven National Laboratory, Upton, Long Island .N.Y. 11973.
9 Goodman, Louis S., University of Utah, Salt Lake City, Utah 84112.
3 Gordy, Walter, Duke University, Durham, N.C. 27706.
3 Goudsmit, Samuel A., PH.D., Brookhaven National Laboratory, Upton, Long Island, N.Y. 11973.
12 Graham, C. H., A.M., PH.D., Columbia University, New York, N.Y. 10027.
7 Granick, Sam, Rockefeller Institute, New York, N.Y. 10021.
14 Green, David Ezra, University of Wisconsin, 1710 University Avenue, Madison, Wis. 53706.
11 Greenberg, Joseph H., Stanford University, Stanford, Calif. 94305.
4 Greenewalt, Crawford H., E.I. du Pont de Nemours and Co., Inc., Wilmington, Del. 19898.
2 Greenstein, Jesse L., Mount Wilson and Palomar Observatories, California Institute of Technology, Pasadena, Calif 91106.
6 Gregory, William King, A.M., PH.D., P.O. Box 35, Woodstock, N.Y. 12498.
8 Griffin, Donald R., Rockefeller Institute, New York, N.Y. 10021.
13 Griggs, David T., University of California, Los Angeles, Calif. 90024.
12 Guilford, Joy P., P.O. Box 1288, Beverly Hills, Calif. 90213.
13 Gunn, R., PH.D., 4437 Lowell Street, Washington, D.C. 20016.
14 Gunsalus, Irwin C., University of Illinois, Urbana, Illinois 61803.
5 Gutowsky, H. S., Department of Chemistry and Chemical Engineering, University of Illinois, Urbana, Ill. 61803.

11 Hallowell, A. Irving, The University Museum, 33rd and Spruce Streets, Philadelphia, Pa. 19104.
8 Hamburger, Viktor, PH.D., Washington University, St. Louis, Mo. 63130.
5 Hammett, Louis P., A.B., PH.D., Route 4, Box 310, Newton, N.J. 07860.
5 Hammond, George S., California Institute of Technology, Pasadena, Calif. 91109.
14 Handler, Philip, Duke University Medical Center, Durham, N.C. 27706.
12 Harlow, Harry F., B.A., PH.D., Regional Primate Research Center, 1223 Capitol Court, Madison, Wis. 53715.
5 Harned, Herbert Spencer, A.B., B.S., PH.D., Yale University, 225 Prospect Street, New Haven, Conn. 06520.
9 Hartline, Haldan Keffer, Rockefeller Institute, New York, N.Y. 10021.
8 Haskins, Caryl P., Carnegie Institution of Washington, 1530 P Street, N.W., Washington, D.C. 20005.
14 Hassid, William Zev, University of California, Berkeley, Calif. 94720.
9 Hastings, A. Baird, Scripps Clinic and Research Foundation, 476 Prospect Street, La Jolla, Calif. 92038.
13 Haurwitz, Bernhard, National Center for Atmospheric Research, Boulder, Colo. 80304.

11 HAURY, EMIL W., University of Arizona, Tucson, Arizona 85721.
5 HAUSER, CHARLES ROY, Department of Chemistry, Duke University, Durham, N.C. 27706.
3 HAWORTH, LELAND J., National Science Foundation, Washington, D.C. 20550.
6 HEDBERG, HOLLIS D., Department of Geology, Princeton University, Princeton, N.J. 08540.
10 HEIDELBERGER, MICHAEL, B.S., A.M., PH.D., New York University School of Medicine, 550 First Avenue, New York, N.Y. 10016.
5 HENDRICKS, STERLING B., Plant Industry Station, Beltsville, Md. 20705.
3 HERB, R. G., Department of Physics, University of Wisconsin, Madison, Wis. 53706.
2 HERBIG, GEORGE HOWARD, Lick Observatory, Mount Hamilton, Calif. 95140.
2 HERGET, PAUL, Cincinnati Observatory, Cincinnati, Ohio 45208.
7 HERSHEY, ALFRED DAY, Genetics Research Unit, Carnegie Institution of Washington, Cold Spring Harbor, Long Island, N.Y. 11724.
3 HERZFELD, KARL F., Department of Physics, Catholic University of America, Washington, D.C. 20017.
6 HESS, HARRY H., Princeton University, Princeton, N.J. 08540.
6 HEWETT, D. F., PH.D., 345 Middlefield Road, Menlo Park, Calif. 94025.
5 HILDEBRAND, JOEL H., B.S., PH.D., University of California, Berkeley, Calif. 94720.
12 HILGARD, ERNEST R., Stanford University, Stanford, Calif. 94305.
1 HILLE, C. EINAR, FIL.DR., 210 Edwards Street, New Haven, Conn. 06511.
5 HIRSCHFELDER, JOSEPH O., B.S., PH.D., Theoretical Chemistry Institute, University of Wisconsin, 1112 W. Johnson Street, Madison, Wis. 53706.
8 HISAW, FREDERICK L., A.B., B.S., LL.D., Harvard University, 16 Divinity Avenue, Cambridge, Mass. 02138.
14 HOFMANN, KLAUS, University of Pittsburgh School of Medicine, Pittsburgh, Pa. 15213.
3 HOFSTADTER, ROBERT, Department of Physics, Stanford University, Stanford, Calif. 94305.
7 HOLLAENDER, ALEXANDER, Oak Ridge National Laboratory, P.O. Box Y, Oak Ridge, Tenn. 37831.
8 HOLTFRETER, JOHANNES, Biological Laboratories, University of Rochester, Rochester, N.Y. 14627.
14 HORECKER, B. L., Albert Einstein College of Medicine of Yeshiva University, New York, N.Y. 10461.
5 HORNIG, DONALD F., Executive Office Building, Washington, D.C. 20506.
10 HORSFALL, FRANK LAPPIN, Jr., Sloan-Kettering Institute for Cancer Research, New York, N.Y. 10021.
7 HORSFALL, JAMES G., Connecticut Agricultural Experiment Station, Box 1106, New Haven, Conn. 06504.
10 HOTCHKISS, ROLLIN D., Rockefeller Institute, New York, N.Y. 10021.
4 HOTTEL, H. C., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
3 HOUSTON, W. V., B.S., M.S., PH.D., Rice University, Houston, Tex. 77001.
6 HUBBERT, M. KING, U.S. Geological Survey, Department of the Interior, Washington, D.C. 20242.
8 HUBBS, CARL L., Scripps Institution of Oceanography, La Jolla, Calif. 92038.
10 HUEBNER, ROBERT J., National Institutes of Health, Bethesda, Md. 20014.
10 HUGGINS, CHARLES BRENTON, M.D., M.SC., D.SC., University of Chicago, 950 East 59th Street, Chicago, Ill. 60637.
3 HULL, ALBERT W., A.B., PH.D., General Electric Research Laboratory, The Knolls, Schenectady, N.Y. 12308.
4 HUNSAKER, J. C., M.S., SC.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
8 HUTCHINSON, GEORGE EVELYN, M.A., Yale University, New Haven, Conn. 06520.
5 HUTCHISON, CLYDE A., Jr., University of Chicago, Chicago, Ill. 60637.
8 HYMAN, LIBBIE H., American Museum of Natural History. Central Park West at 79th Street, New York, N.Y. 10024.

3 INGHRAM, MARK G., University of Chicago, Chicago, Ill. 60637.
9 INGLE, DWIGHT J., University of Chicago, Chicago, Ill. 60637.
8 IRWIN, MALCOLM ROBERT, M.S., PH.D., University of Wisconsin, Madison, Wis. 53706.
13 ISELIN, COLUMBUS O'D., A.B., A.M., Woods Hole Oceanographic Institution, Woods Hole, Mass. 02543.

8 JACOBS, M. H., A.B., PH.D., University of Pennsylvania, Philadelphia, Pa. 19104.
5 JACOBS, WALTER A., A.M., PH.D., 2548 Laurel Pass Road, Los Angeles, Calif. 90046.
10 JACOBSON, LEON O., University of Chicago, 950 East 59th Street, Chicago, Ill. 60637.
1 JACOBSON, NATHAN, Yale University, New Haven, Conn. 06520.
6 JAMES, HAROLD LLOYD, United States Geological Survey, 345 Middlefield Road, Menlo Park, Calif. 94025.
4 JEFFRIES, ZAY, B.S., MET.E., SC.D., General Electric Company, 1 Plastics Avenue, Pittsfield, Mass. 01202.
1 JOHN, FRITZ, Courant Institute of Mathematical Sciences, New York University, 251 Mercer Street, New York, N.Y. 10012.
4 JOHNSON, CLARENCE L., Lockheed Aircraft Corporation, Burbank, Calif. 91503.
5 JOHNSON, JOHN RAVEN, Deer Valley Farm, Townshend, Vt. 04353.
5 JOHNSON, WILLIAM S., Department of Chemistry, Stanford University, Stanford, Calif. 94305.
5 JOHNSTON, HAROLD S., University of California, Berkeley, Calif. 94720.
2 JOY, ALFRED H., A.M., PH.D., Mt. Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, Calif. 91106.

1 KAC, MARK, Rockefeller Institute, New York, N.Y. 10021.
14 KALCKAR, HERMAN M., Massachusetts General Hospital, Boston, Mass. 02114.
14 KAMEN, MARTIN DAVID, University of California, San Diego, La Jolla, Calif. 92038.
13 KAPLAN, JOSEPH, University of California, Los Angeles, Calif. 90024.
7 KAUFMANN, B. P., University of Michigan, Ann Arbor, Mich. 48104.
5 KAUZMANN, WALTER J., Princeton University, Princeton, N.J. 08540.
8 KELLOGG, ARTHUR R., A.B., M.A., PH.D., 5305 28th Street, N.W., Washington, D.C. 20015.
4 KELLY, MERVIN J., M.S., PH.D., D.ENG., 2 Windemere Terrace, Short Hills, N.J. 07078.
3 KEMBLE, EDWIN C., B.S., A.M., PH.D., Harvard University, Cambridge, Mass. 02138.
14 KENDALL, EDWARD CALVIN, A.M., PH.D., D.SC., 3 Queenston Place, Princeton, N.J. 08540.
14 KENNEDY, EUGENE P., Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.
3 KERST, DONALD WILLIAM, B.A., PH.D., University of Wisconsin, Madison, Wis. 53706.
9 KETY, SEYMOUR SOLOMON, National Institute of Health, Bethesda, Md. 20014.
5 KEYES, F. G., B.S., PH.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
5 KIMBALL, GEORGE E., Arthur D. Little, Inc., 35 Acorn Park, Cambridge, Mass. 02140.
14 KING, CHARLES G., B.S., M.S., PH.D., Institute of Nutrition Sciences, Columbia University, 562 West 168th Street, New York, N.Y. 10032.
4 KINZEL, AUGUSTUS B., Union Carbide Corpn., 270 Park Avenue, New York, N.Y. 10017.
5 KISTIAKOWSKY, G. B., PH.D., Harvard University, 12 Oxford Street, Cambridge, Mass. 02138.
3 KITTEL, CHARLES, University of California, Berkeley, Calif. 94720.
12 KLÜVER, HEINRICH, University of Chicago, Chicago, Ill. 60637.
6 KNOPF, ADOLPH, M.S., PH.D., M.A., Stanford University, Stanford, Calif. 94305.
13 KNOPOFF, LEON, Institute of Geophysics and Planetary Physics, University of California, Los Angeles, Calif. 90024.
12 KÖHLER, WOLFGANG, PH.D., P.O. Box 32, Lebanon, N.H. 03766.
5 KOLTHOFF, IZAAK MAURITS, School of Chemistry, University of Minnesota, Minneapolis, Minn. 55455.
14 KORNBERG, ARTHUR, Stanford University Medical School, Palo Alto, Calif. 94304.
7 KRAMER, PAUL JACKSON, Duke University, Durham, N.C. 27706.

5 KRAUS, CHARLES A., B.S., PH.D., 92 Keene Street, Providence, R.I. 02906.
6 KRAUSKOPF, KONRAD B., School of Earth Sciences, Stanford University, Stanford, Calif. 94305.
9 KRAYER, OTTO, Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.
9 KUFFLER, STEPHEN W., Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.
2 KUIPER, GERARD PETER, B.SC., PH.D., University of Arizona, Tucson, Ariz. 85721.
3 KUSCH, P., Columbia University, New York, N.Y. 10027.

3 LAMB, WILLIS EUGENE, Jr., Yale University, New Haven, Conn. 06520.
13 LAMBERT, WALTER DAVIS, A.M., P.O. Box 1025, Canaan, Conn. 06018.
5 LA MER, VICTOR K., A.B., PH.D., 353 Moore Avenue, Leonia, N.J. 07605.
3 LAND, EDWIN H., Polaroid Corporation, Cambridge, Mass. 02139.
9 LANDIS, EUGENE MARKLEY, Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.
14 LARDY, HENRY ARNOLD, Institute for Enzyme Research, University of Wisconsin, Madison, Wis. 53705.
3 LAURITSEN, CHARLES C., PH.D., California Institute of Technology, Pasadena, Calif. 91109.
14 LEDERBERG, JOSHUA, Genetics Department, School of Medicine, Stanford University, Palo Alto, Calif. 94304.
3 LEDERMAN, LEON M., Columbia University, 538 West 120th Street, New York, N.Y. 10027.
3 LEE, TSUNG-DAO, Columbia University, New York, N.Y. 10027.
1 LEFSCHETZ, SOLOMON, M.E., PH.D., Fine Hall, Princeton University, Princeton, N.J. 08540.
14 LEHNINGER, A. L., Johns Hopkins University, 725 North Wolfe Street, Baltimore, Md. 21205.
5 LEONARD, NELSON J., Department of Chemistry and Chemical Engineering, University of Illinois, Urbana, Ill. 61803.
8 LERNER, I. MICHAEL, Department of Genetics, University of California, Berkeley, Calif. 94720.
4 LEWIS, W. K., B.S., PH.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
1 LEWY, HANS, University of California, Berkeley, Calif. 94720.
5 LIBBY, WILLARD FRANK, PH.D., University of California, 405 Hilgard Avenue, Los Angeles, Calif. 90024.
1 LIN, CHIA-CHIAO, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
12 LINDSLEY, DONALD B., University of California, Los Angeles, Calif. 90024.
14 LINK, KARL PAUL, M.S., PH.D., University of Wisconsin, Madison, Wis. 53706.
14 LIPMANN, FRITZ ALBERT, Rockefeller Institute, New York, N.Y. 10021.
5 LIPSCOMB, WILLIAM N., Harvard University, 12 Oxford Street, Cambridge, Mass. 02138.
10 LITTLE, C. C., SC.D., LL.D., LITT.D., R.F.D. No. 1, Ellsworth, Me. 04605.
9 LLOYD, DAVID P. C., Rockefeller Institute, New York, N.Y. 10021.
9 LOEB, ROBERT F., M.D., 950 Park Avenue, New York, N.Y. 10028.
9 LONG, CYRIL NORMAN HUGH, Yale University School of Medicine, 333 Cedar Street, New Haven, Conn. 06510.
10 LONG, ESMOND R., A.B., PH.D., M.D., Pedlar Mills, Va. 24583.
5 LONG, FRANKLIN A., Cornell University, Ithaca, N.Y. 14850.
5 LONGSWORTH, LEWIS G., A.M., PH.D., Rockefeller Institute, New York, N.Y. 10021.
6 LONGWELL, CHESTER R., A.M., PH.D., 1820 Mark Twain Street, Palo Alto, Calif. 94304.
4 LOOMIS, ALFRED L., A.B., The Loomis Institute for Scientific Research, Inc., 14 Wall Street, New York, N.Y. 10005.
3 LOOMIS, FRANCIS WHEELER, A.M., PH.D., 804 West Illinois Street, Urbana, Ill. 61801.
9 LORENTE DE NÓ, RAFAEL, Rockefeller Institute, New York, N.Y. 10021.
6 LOVERING, THOMAS SEWARD, E.M., M.S., PH.D., U.S. Geological Survey, Denver Federal Center, Denver, Colo. 80225.
14 LOWRY, OLIVER H., Washington University, Euclid Avenue and Kingshighway, St. Louis, Mo. 63110.
7 LURIA, S. E., Department of Biology, Massachusetts Institute of Technology, Cambridge, Mass. 02139.

10 MCCARTY, MACLYN, Rockefeller Institute, New York, N.Y. 10021.
7 MCCLINTOCK, BARBARA, B.S., A.M., PH.D., Carnegie Institution of Washington, Cold Spring Harbor, Long Island, N.Y. 11724.
14 MCCOLLUM, E. V., M.A., PH.D., SC.D., Johns Hopkins University, Baltimore, Md. 21216.
5 MCCONNELL, HARDEN M., Stanford University, Stanford, Calif. 94305.
13 MACDONALD, GORDON J. F., Institute of Geophysics and Planetary Physics, University of California, Los Angeles, Calif. 90024.
14 MCELROY, W. D., Johns Hopkins University, Baltimore, Md. 21218.
5 MCELVAIN, SAMUEL MARION, M.S., PH.D., University of Wisconsin, Madison, Wis. 53706.
5 MACINNES, DUNCAN A., M.S., PH.D., Rockefeller Institute, New York, N.Y. 10021.
1 MACKEY, GEORGE W., Harvard University, Cambridge, Mass. 02138.
6 MACKIN, J. HOOVER, University of Texas, Austin, Tex. 78712.
1 MAC LANE, SAUNDERS, A.M., D.PHIL., University of Chicago, Chicago, Ill. 60637.
10 MACLEOD, COLIN M., Office of Science and Technology, Room 200, Executive Office Building, Washington, D.C. 20506.
10 MCMASTER, PHILIP D., Rockefeller Institute, New York, N.Y. 10021.
3 MCMILLAN, EDWIN M., University of California, Berkeley, Calif. 94720.
1 MCSHANE, EDWARD JAMES, University of Virginia, Charlottesville, Va. 22903.
9 MAGOUN, H. W., Graduate Division, University of California, Los Angeles, Calif. 90024.
7 MANGELSDORF, P. C., M.S., SC.D., Harvard University, Cambridge, Mass. 02138.
5 MARK, H. F., Polytechnic Institute of Brooklyn, Brooklyn, N.Y. 11201.
3 MARSHAK, ROBERT EUGENE, Department of Physics and Astronomy, University of Rochester, Rochester, N.Y. 14627.
9 MARSHALL, E. K., Jr., B.S., PH.D., M.D., Department of Medicine, Johns Hopkins Hospital, Baltimore, Md. 21205.
5 MARVEL, C. S., A.B., PH.D., University of Arizona, Tucson, Ariz. 85721.
3 MATTHIAS, BERNARD T., University of California, San Diego, La Jolla, Calif. 92038.
10 MAXCY, KENNETH FULLER, M.D., The Park Lynn Apartments, 4 Upland Road, Baltimore, Md. 21210.
2 MAYALL, NICHOLAS ULRICH, Kitt Peak National Observatory, 950 North Cherry Avenue, P.O. Box 4130, Tucson, Ariz. 85717.
5 MAYER, JOSEPH E., The First College, University of California, San Diego, La Jolla, Calif. 92038.
3 MAYER, MARIA GOEPPERT, School of Science and Engineering, University of California, La Jolla, Calif. 92038.
14 MAYNARD, LEONARD A., A.B., PH.D., Cornell University, Ithaca, N.Y. 14850.
8 MAYR, ERNST, Museum of Comparative Zoology, Oxford Street, Cambridge, Mass. 02138.
8 MAZIA, DANIEL, Department of Zoology, University of California, Berkeley, Calif. 94720.
3 MEGGERS, WILLIAM FREDERICK, 2904 Brandywine Street, N.W., Washington, D.C. 20008.
4 MEHL, ROBERT FRANKLIN, College of Engineering, University of Delaware, Newark, Del. 19711.
2 MENZEL, DONALD HOWARD, Harvard College Observatory, Cambridge, Mass. 02138.
8 METZ, CHARLES WILLIAM, P.O. Box 714, Woods Hole, Mass. 02543.
10 MEYER, K. F., George Williams Hopper Foundation, University of California Medical Center, San Francisco, Calif. 94122.
12 MILES, WALTER R., M.A., PH.D., Naval Medical Research Laboratory, U.S.N. Submarine Base, Groton, Conn. 06342.
8 MILLER, ALDEN H., University of California, Berkeley, Calif. 94720.
10 MILLER, C. PHILLIP, 5757 Kimbark Avenue, Chicago, Ill. 60637.
12 MILLER, GEORGE A., Harvard University, 61 Kirkland Street, Cambridge, Mass. 02138.
12 MILLER, NEAL ELGAR, Department of Psychology, Yale University, 333 Cedar Street, New Haven, Conn. 06520.
4 MILLIKAN, CLARK B., Graduate Aeronautical Laboratories, California Institute of Technology, Pasadena, Calif. 91109.

1 MILNOR, JOHN W., Princeton University, P.O. Box 708, Princeton, N.J. 80540.
2 MINKOWSKI, RUDOLPH L., University of California, Berkeley, Calif. 94720.
8 MIRSKY, ALFRED EZRA, Rockefeller Institute, New York, N.Y. 10021.
1 MONTGOMERY, DEANE, School of Mathematics, The Institute for Advanced Study, Princeton, N.J. 08540.
8 MOORE, JOHN A., Columbia University, New York, N.Y. 10027.
1 MOORE, ROBERT LEE, B.S., A.M., PH.D., University of Texas, Austin, Tex. 78712.
14 MOORE, STANFORD, Rockefeller Institute, New York, N.Y. 10021.
2 MORGAN, W. W., Yerkes Observatory, University of Chicago, Williams Bay, Wis. 53191.
1 MORREY, CHARLES B., Jr., University of California, Berkeley, Calif. 94720.
1 MORSE, H. MARSTON, A.M., PH.D., Institute for Advanced Study, Princeton, N.J. 08540.
3 MORSE, PHILIP M., Department of Physics, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
11 MOVIUS, HALLAM L., Peabody Museum, Harvard University, Cambridge, Mass. 02138.
8 MULLER, H. J., M.A., PH.D., University of Wisconsin, Madison, Wis. 53706.
3 MULLIKEN, ROBERT S., B.S., PH.D., University of Chicago, Chicago, Ill. 60637.
13 MUNK, WALTER H., University of California, San Diego, La Jolla, Calif. 92038.
11 MURDOCK, GEORGE PETER, Department of Anthropology University of Pittsburgh, Pittsburgh, Pa. 15213.
1 MURNAGHAN, F. D., M.A., PH.D., 6202 Sycamore Road, Baltimore, Md. 21212.

14 NACHMANSOHN, DAVID, Columbia University College of Physicians and Surgeons, 630 West 168th Street, New York, N.Y. 10032.
8 NEEL, JAMES V., University of Michigan Medical School, Ann Arbor, Mich. 48104.
12 NEFF, WILLIAM DUWAYNE, Department of Psychology, Indiana University, Bloomington, Ind. 47405.
14 NEURATH, HANS, University of Washington, Seattle, Washington 98105.
NEWMAN, MELVIN S., 2239 Onandaga Drive, Columbus, Ohio 43221.
1 NEYMAN, JERZY, University of California, Berkeley, Calif. 94720.
3 NIER, ALFRED OTTO C., M.S., PH.D., University of Minnesota, Minneapolis, Minn. 55455.
6 NOLAN, THOMAS B., PH.B., PH.D., 2219 California Street, N.W., Washington, D.C. 20008.
14 NORTHROP, JOHN H., B.S., M.A., PH.D., University of California, Berkeley, Calif. 94720.
5 NOYES, W. ALBERT, Jr., S.B., PH.D., LL.D., D.SC., University of Texas, Austin, Tex. 78712.

3 O'BRIEN, BRIAN, Box 117, Pomfret, Conn. 06258.
14 OCHOA, SEVERO, New York University School of Medicine, New York, N.Y. 10016.
4 OLSON, HARRY F., R.C.A. Laboratories, David Sarnoff Research Center, Princeton, N.J. 08541.
14 ONCLEY, J. L., A.B., PH.D., University of Michigan, Ann Arbor, Mich. 48104.
5 ONSAGER, LARS, CHEM.E., PH.D., Yale University, New Haven, Conn. 06520.
10 OPIE, EUGENE L., A.B., M.D., SC.D., Rockefeller Institute, New York, N.Y. 10021.
3 OPPENHEIMER, J. R., A.B., PH.D., The Institute for Advanced Study, Princeton, N.J. 08540.

8 PAINTER, THEOPHILUS S., A.M., PH.D., University of Texas, Austin, Tex. 78712.
3 PAIS, ABRAHAM, Rockefeller Institute, New York, N.Y. 10021.
8 PALADE, GEORGE E., Rockefeller Institute, New York, N.Y. 10021.
3 PANOFSKY, WOLFGANG K. H., Stanford University, P.O. Box 4349, Stanford, Calif. 94305.
9 PAPPENHEIMER, JOHN R., Harvard Medical School, 25 Shattuck Street, Boston, Mass. 02115.
6 PATTERSON, BRYAN, Museum of Comparative Zoology at Harvard College, Oxford Street, Cambridge, Mass. 02138.
10 PAUL, JOHN R., A.B., M.D., Yale University School of Medicine, New Haven, Conn. 06510.
5 PAULING, LINUS, SC.D., PH.D., Center for the Study of Democratic Institutions, Box 4068, Santa Barbara, Calif. 93103.
6 PECORA, WILLIAM T., United States Geological Survey, Department of the Interior, Washington, D.C. 20242.
13 PEKERIS, CHAIM L., The Weizmann Institute of Science, Rehovot, Israel.
5 PERLMAN, I., University of California, Berkeley, Calif. 94720.
12 PFAFFMANN, CARL, Walter S. Hunter Laboratory of Psychology, Brown University, Providence, R.I. 02912.
4 PICKERING, WILLIAM H., Jet Propulsion Laboratory, 4800 Oak Grove Drive, Pasadena, Calif. 91103.
4 PIERCE, J. R., Bell Telephone Laboratories, Inc., Murray Hill, N.J. 07971.
13 PIGGOT, CHARLES S., A.B., B.S., PH.D., Holly Grove, Route 2, Box 68, Lexington Park, Md. 20653.
9 PINCUS, GREGORY G., Worcester Foundation for Experimental Biology, Shrewsbury, Mass. 01546.
4 PIORE, E. R., International Business Machines Corporation, Armonk, N.Y. 10504.
8 PITTENDRIGH, COLIN S., Princeton University, P.O. Box 704, Princeton, N.J. 08540.
9 PITTS, ROBERT F., Cornell University Medical College, 1300 York Avenue, New York, N.Y. 10021.
5 PITZER, KENNETH SANBORN, B.S., PH.D., Rice University, Houston, Tex. 77001.
8 PORTER, KEITH ROBERTS, Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Mass. 02138.
3 POUND, R. V., Harvard University, Cambridge, Mass. 02138.
13 PRESS, FRANK, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
10 PUCK, THEODORE T., Department of Biophysics, University of Colorado Medical Center, Denver, Colo. 80220.
3 PURCELL, E. M., B.S., A.M., PH.D., Harvard University, Cambridge, Mass. 02138.

3 RABI, I. I., B.CHEM., PH.D., Columbia University, New York, N.Y. 10027.
3 RAMSEY, NORMAN F., Harvard University, Cambridge, Mass. 02138.
7 RAPER, JOHN ROBERT, Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Mass. 12138.
7 RAPER, KENNETH BRYAN, University of Wisconsin, Madison, Wis. 53706.
4 RAYMOND, ARTHUR EMMONS, M.S., 73 Oakmont Drive, Los Angeles, Calif. 90049.
13 REDFIELD, ALFRED CLARENCE, P.O. Box 106, Woods Hole, Mass. 02543.
13 REICHELDERFER, FRANCIS W., A.B., D.SC., 3031 Sedgwick Street, N.W., Washington, D.C. 20008.
13 REVELLE, ROGER, Harvard Center for Population Studies, 9 Bow Street, Cambridge, Mass. 02138.
7 RHOADES, M. M., M.S., PH.D., Indiana University, Bloomington, Ind. 47405.
5 RICE, OSCAR KNEFLER, Department of Chemistry, University of North Carolina, Chapel Hill, N.C. 27515.
10 RICH, ARNOLD RICE, Johns Hopkins Hospital, Baltimore, Md. 21205.
9 RICHARDS, ALFRED N., M.A., PH.D., SC.D., M.D., LL.D., 737 Rugby Road, Bryn Mawr, Pa. 19010.
9 RICHARDS, DICKINSON W., Columbia University College of Physicians and Surgeons, 630 West 168th Street, New York, N.Y. 10032.
12 RICHTER, CURT PAUL, Johns Hopkins Hospital, Baltimore, Md. 21205.
8 RIDDLE, OSCAR, A.B., PH.D., Route 4, Plant City, Fla. 33566.
12 RIGGS, LORRIN A., Brown University, Providence, R.I. 02912.
7 RIKER, A. J., M.A., PH.D., University of Wisconsin, Madison, Wis. 53706.
14 RITTENBERG, DAVID, College of Physicians and Surgeons, 630 West 168th Street, New York, N.Y. 10032.
7 ROBBINS, WILLIAM J., A.B., PH.D., 301 East 66th Street, New York, N.Y. 10021.
5 ROBERTS, JOHN D., California Institute of Technology, Pasadena, Calif. 91109.
7 ROBERTS, RICHARD B., Carnegie Institution of Washington, 5241 Broad Branch Road, N.W., Washington, D.C. 20015.
10 ROBERTSON, O. H., 9150 Los Gatos Highway, Santa Cruz, Calif. 95062.
8 ROEDER, KENNETH DAVID, Department of Biology, Tufts University, Medford, Mass. 02155.
8 ROMER, ALFRED S., A.B., PH.D., Museum of Comparative Zoology at Harvard College, Oxford Street, Cambridge, Mass. 02138.

14 ROSE, WILLIAM C., S.C., B.S., PH.D., University of Illinois, Urbana, Ill. 61801.
3 ROSSI, BRUNO BENEDETTO, PH.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
5 ROSSINI, FREDERICK D., B.S., M.S., PH.D., University of Notre Dame, Notre Dame, Ind. 46556.
10 ROUS, F. PEYTON, B.A., M.D., Rockefeller Institute, New York, N.Y. 10021.
11 ROUSE, IRVING, Yale University, Box 2114, Yale Station, New Haven, Conn. 06520.
6 RUBEY, WILLIAM W., A.B., University of California, Los Angeles, Calif. 90024.
6 RUSSELL, RICHARD J., Coastal Studies Institute, Louisiana State University, Baton Rouge, La. 70803.

10 SABIN, ALBERT B., B.SC., M.D., Children's Hospital Research Foundation, Cincinnati, Ohio 45229.
2 SANDAGE, ALLAN R., Mount Wilson and Palomar Observatories, Pasadena, Calif. 91106.
4 SAVAGE, JOHN LUCIAN, D.SC., D.ENG., Park Manor, 1801 East 19th Street, Denver, Colo. 80206.
7 SAX, KARL, M.S., SC.D., Bishop Hollow Road, Media, Pa. 19064.
5 SCATCHARD, GEORGE, A.B., PH.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
6 SCHAIRER, J. F., Carnegie Institution of Washington, Washington, D.C. 20008.
3 SCHIFF, L. I., Stanford University, Stanford, Calif. 94305.
9 SCHMIDT, CARL FREDERIC, A.B., M.D., Aviation Medical Acceleration Laboratory, U.S. Naval Air Development Center, Johnsville, Pa. 18974.
8 SCHMIDT-NIELSEN, KNUT, Duke University, Durham, N.C. 27706.
8 SCHMITT, FRANCIS OTTO, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
8 SCHOLANDER, PER F., Scripps Institution of Oceanography, La Jolla, Calif. 92038.
2 SCHWARZSCHILD, MARTIN, Princeton University Observatory, 14 Prospect Avenue, Princeton, N.J. 08541.
3 SCHWINGER, JULIAN, A.B., PH.D., Harvard University, Cambridge, Mass. 02138.
5 SEABORG, GLENN THEODORE, United States Atomic Energy Commission, Washington, D.C. 20545.
7 SEARS, ERNEST ROBERT, U.S. Department of Agriculture, 108 Curtis Hall, University of Missouri, Columbia, Mo. 65002.
3 SEGRÈ, EMILIO, University of California, Berkeley, Calif. 94720.
3 SEITZ, FREDERICK, A.B., PH.D., University of Illinois, Urbana, Ill. 61803.
3 SERBER, ROBERT, Columbia University, New York, N.Y. 10027.
2 SHANE, C. D., P.O. Box 582, Santa Cruz, Calif. 95061.
1 SHANNON, CLAUDE E., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
10 SHANNON, JAMES A., National Institutes of Health, Bethesda, Md. 20014.
11 SHAPIRO, HARRY LIONEL, A.M., PH.D., American Museum of Natural History, Central Park West at 79th Street, New York, N.Y. 10024.
2 SHAPLEY, HARLOW, A.M., LL.D., PH.D., SC.D., LITT.D., Sharon Cross Road, Peterboro, N.H. 03458.
5 SHEDLOVSKY, THEODORE, Rockefeller Institute, New York N.Y. 10021.
5 SHEEHAN, JOHN C., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
14 SHEMIN, DAVID, Columbia University College of Physicians and Surgeons, 630 West 168th Street, New York, N.Y. 10032.
4 SHERWOOD, THOMAS KILGORE, Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
4 SHOCKLEY, WILLIAM, B.SC., PH.D., Stanford Electronics Laboratory, Stanford University, Stanford, Calif. 94305.
10 SHOPE, RICHARD E., M.D., Rockefeller Institute, New York, N.Y. 10021.
6 SIMPSON, G. G., PH.D., Museum of Comparative Zoology at Harvard College, Oxford Street, Cambridge, Mass. 02138.
3 SIMPSON, JOHN A., The Enrico Fermi Institute for Nuclear Studies, University of Chicago, Chicago, Ill. 60637.
7 SINNOTT, EDMUND W., A.M., PH.D., 459 Prospect Street, New Haven, Conn. 06511.
12 SKINNER, BURRHUS FREDERIC, M.A., PH.D., Harvard University, Cambridge, Mass. 02138.
7 SKOOG, FOLKE K., University of Wisconsin, Madison, Wis. 53706.
3 SLATER, JOHN C., A.M., PH.D., University of Florida, Gainesville, Fla. 32603.
4 SLEPIAN, J., A.M., PH.D., 1115 Lancaster Street, Pittsburgh, Pa. 15218.
13 SLICHTER, LOUIS B., A.M., PH.D., University of California, Los Angeles, Calif. 90024.
2 SLIPHER, V. M., A.M., PH.D., SC.D., LL.D., P.O. Box 326, Flagstaff, Ariz. 86002.
7 SMITH, ALBERT C., University of Hawaii, Honolulu, Hawaii 96822.
4 SMITH, CYRIL STANLEY, Massachusetts Institute of Technology, Cambridge, Mass. 02139.
14 SMITH, EMIL L., University of California Medical Center, Los Angeles, Calif. 90024.
5 SMITH, LEE IRVIN, M.A., PH.D., University of Minnesota, Minneapolis, Minn. 55455.
1 SMITH, PAUL A., B.S., PH.D., Columbia University, New York, N.Y. 10027.
8 SMITH, PHILIP E., M.S., PH.D., 2 Langworthy Road, Northampton, Mass. 01060.
5 SMYTH, CHARLES P., Department of Chemistry, Princeton University, Princeton, N.J. 08540.
14 SNELL, ESMOND E., University of California, Berkeley, Calif. 94720.
4 SODERBERG, C. RICHARD, M.A., B.S., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
8 SONNEBORN, TRACY M., A.B., PH.D., Indiana University, Bloomington, Ind. 47405.
5 SPEDDING, FRANK H., Institute for Atomic Research, Iowa State University, Ames, Iowa 50012.
12 SPENCE, KENNETH W., Department of Psychology, University of Texas, Austin, Tex. 78712.
1 SPENCER, D. C., Department of Mathematics, Stanford University, Stanford, Calif. 94305.
12 SPERRY, ROGER W., Division of Biology, California Institute of Technology, Pasadena, Calif. 91109.
14 SPIEGELMAN, SOL, University of Illinois, Urbana, Ill. 61803.
2 SPITZER, LYMAN, Jr., Princeton University Observatory, 265 FitzRandolph Road, Princeton, N.J. 08541.
4 SPORN, PHILIP, American Electric Power Company, Inc., 2 Broadway, New York, N.Y. 10008.
7 STAKMAN, E. C., M.A., PH.D., Institute of Agriculture, University of Minnesota, St. Paul, Minn. 55101.
14 STANLEY, W. M., M.S., PH.D., University of California, Berkeley, Calif. 94720.
7 STEBBINS, G. LEDYARD, Department of Genetics, University of California, Davis, Calif. 95616.
2 STEBBINS, JOEL, SC.D., PH.D., 69 University Drive, Menlo Park, Calif. 94026.
1 STEENROD, N. E., Fine Hall, Princeton University, Princeton, N.J. 08540.
14 STEIN, WILLIAM H., Rockefeller Institute, New York, N.Y. 10021.
8 STERN, CURT, University of California, Berkeley, Calif. 94720.
3 STERN, OTTO, PH.D., LL.D., 759 Cragmont Avenue, Berkeley, Calif. 94708.
12 STEVENS, S. SMITH, A.B., PH.D., Harvard University, Cambridge, Mass. 02138.
11 STEWARD, JULIAN, University of Illinois, Urbana, Ill. 61803.
11 STEWART, THOMAS D., Smithsonian Institution, Washington, D.C. 20560.
5 STOCKMAYER, W. H., Dartmouth College, Hanover, N.H. 03755.
1 STOKER, J. J., Courant Institute of Mathematical Sciences, New York University, 251 Mercer Street, New York, N.Y. 10012.
13 STOMMEL, HENRY M., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
1 STONE, MARSHALL H., A.M., PH.D., SC.D., 303 Eckhart Hall, University of Chicago, Chicago, Ill. 60637.
8 STONE, WILSON S., Genetics Foundation, University of Texas, Austin, Tex. 78712.
5 STORK, GILBERT, Department of Chemistry, Columbia University, New York, N.Y. 10027.
4 STRATTON, JULIUS ADAMS, S.M., SC.D., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
8 STRAUS, WILLIAM L., Johns Hopkins University, 725 North Wolfe Street, Baltimore, Md. 21205.
3 STREET, J. C., B.S., PH.D., Harvard University, Cambridge, Mass. 02138.
8 STURTEVANT, A. H., A.B., PH.D., California Institute of Technology, Pasadena . Calif. 91109.
4 SUITS, C. G., A.B., D.SC., General Electric Research Laboratory, The Knolls, Schenectady, N.Y. 12301.

14 SZENT-GYÖRGYI, ALBERT, Institute of Muscle Research, Woods Hole, Mass. 02543.

10 TALIAFERRO, WILLIAM H., B.S., PH.D., Argonne National Laboratory, 9700 South Cass Avenue, Argonne, Ill. 60440.
5 TARBELL, D. S., Department of Chemistry, University of Rochester, Rochester, N.Y. 14627.
1 TARSKI, ALFRED, University of California, Berkeley, Calif. 94720.
14 TATUM, EDWARD L., Rockefeller Institute, New York, N.Y. 10021.
5 TAUBE, HENRY, Department of Chemistry, Stanford University, Stanford, Calif. 94305.
3 TELLER, EDWARD, Lawrence Radiation Laboratory, University of California, Berkeley, Calif. 94720.
4 TERMAN, F. E., A.B., E.E., SC.D., Stanford University, Stanford, Calif. 94305.
7 THIMANN, KENNETH VIVIAN, University of California, Santa Cruz, Calif. 95060.
4 THOMAS, CHARLES ALLEN, Monsanto Chemical Co., 800 N. Lindbergh Boulevard, St. Louis, Mo. 63166.
3 THOMAS, LLEWELLYN HILLETH, Watson Scientific Laboratory, 612 West 115th Street, New York, N.Y. 10025.
1 THOMAS, T. Y., A.M., PH.D., University of California, Los Angeles, Calif. 90024.
10 TILLETT, WILLIAM S., A.B., M.D., New York University School of Medicine, New York, N.Y. 10016.
4 TIMOSHENKO, STEPHEN P., Böcklinstrasse 35, 56 Wuppertal-Elberfeld, German Federal Republic.
5 TISHLER, MAX, Merck and Co., Inc., Rahway, N.J. 07065.
2 TOUSEY RICHARD, United States Naval Research Laboratory (Code 7140), Washington, D.C. 20390.
3 TOWNES, CHARLES H., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
1 TUKEY, JOHN W., Princeton University, P.O. Box 708, Princeton, N.J. 08540.
6 TURNER, FRANCIS J., University of California, Berkeley, Calif. 94720.
5 TURNER, RICHARD B., Rice University, Houston, Tex. 77001.
3 TUVE, M. A., B.S., A.M., PH.D., Carnegie Institution of Washington, 5241 Broad Branch Road, N.W., Washington, D.C. 20015.
8 TWITTY, VICTOR CHANDLER, B.S., PH.D., Stanford University, Stanford, Calif. 94305.

3 UHLENBECK, GEORGE E., Rockefeller Institute, New York, N.Y. 10021.
5 UREY, HAROLD C., PH.D., D.SC., University of California, La Jolla, Calif. 92038.

13 VAN ALLEN, JAMES A., Department of Physics and Astronomy, State University of Iowa, Iowa City, Iowa 52240.
7 VAN NIEL, C. B., D.SC., Hopkins Marine Station of Stanford University, Pacific Grove, Calif. 93950.
14 VAN SLYKE, DONALD D., A.B., PH.D., SC.D., Brookhaven National Laboratory, Upton, Long Island, N.Y. 11973.
3 VAN VLECK, J. H., A.M., PH.D., Harvard University, Cambridge, Mass. 02138.
13 VERHOOGEN, JOHN, University of California, Berkeley, Calif. 94720.
13 VESTINE, ERNEST HARRY, Rand Corporation, 1700 Main Street, Santa Monica, Calif. 90406.
14 VICKERY, H. B., Connecticut Agricultural Experiment Station, New Haven, Conn. 06504.
13 VILLARD, OSWALD GARRISON, Jr., Radioscience Laboratory, Stanford University, Stanford, Calif. 94306.
9 VISSCHER, MAURICE B., University of Minnesota, Minneapolis, Minn. 55455.
12 VON BÉKÉSY, GEORG, Harvard University, Cambridge, Mass. 02138.

10 WAKSMAN, SELMAN A., M.S., PH.D., Institute of Microbiology, Rutgers, The State University, New Brunswick, N.J. 08901.
14 WALD, GEORGE, M.A., PH.D., Harvard University, 16 Divinity Avenue, Cambridge, Mass. 02138.
7 WALKER, J. C., M.S., PH.D., University of Wisconsin, Madison, Wis. 53706.
5 WALL, FREDERICK T., University of California, Santa Barbara, Calif. 93106.
5 WALLING, CLEVES T., Columbia University, New York, N.Y. 10027.
1 WALSH, JOSEPH L., PH.D., S.M., University of Maryland, College Park, Md. 20742.
5 WARNER, J. C., Carnegie Institute of Technology, Pittsburgh, Pa. 15213.
10 WARREN, SHIELDS, New England Deaconess Hospital, 194 Pilgrim Road, Boston, Mass. 02215.
11 WASHBURN, SHERWOOD L., University of California, Berkeley, Calif. 94720.
6 WATERS, AARON C., University of California, Santa Barbara, Calif. 93106.
10 WATSON, CECIL JAMES, University of Minnesota Hospital, Minneapolis, Minn. 55455.
14 WATSON, JAMES D., Harvard University, Cambridge, Mass. 02138.
4 WEBER, ERNST, Polytechnic Institute of Brooklyn, 333 Jay Street, Brooklyn, N.Y. 11201.
3 WEBSTER, D. L., A.B., CH.D., 1830 Cowper Street, Palo Alto, Calif. 94106.
11 WEDEL, WALDO R., Museum of Natural History, Smithsonian Institution, Washington, D.C. 20560.
3 WEINBERG, ALVIN M., Oak Ridge National Laboratory, P.O. Box X, Oak Ridge, Tenn. 37831.
8 WEISS, PAUL ALFRED, University of Texas, Houston, Tex. 77025.
3 WEISSKOPF, VICTOR F., CERN, Geneva 23, Switzerland.
10 WELLER, THOMAS H., Harvard School of Public Health, 25 Shattuck Street, Boston, Mass. 02115.
7 WENT, FRITS W., Desert Research Institute, University of Nevada, Reno, Nev. 89507.
3 WENTZEL, GREGOR, The Enrico Fermi Institute for Nuclear Studies, University of Chicago, Chicago, Ill. 60637.
5 WESTHEIMER, FRANK H., Harvard University, 12 Oxford Street, Cambridge, Mass. 02138.
8 WETMORE, ALEXANDER, M.S., PH.D., Smithsonian Institution, Washington, D.C. 20560.
7 WETMORE, RALPH H., Harvard University, 16 Divinity Avenue, Cambridge, Mass. 02138.
12 WEVER, E. G., A.M., PH.D., Princeton University, Princeton, N.J. 08540.
3 WHEELER, JOHN A., Princeton University, Princeton, N.J. 08540.
2 WHIPPLE, FRED L., Astrophysical Observatory, Smithsonian Institution, Cambridge, Mass. 02138.
10 WHIPPLE, GEORGE H., M.D., M.A., D.SC., LL.D. University of Rochester, Rochester, N.Y. 14620.
2 WHITFORD, ALBERT E., Lick Observatory, Mt. Hamilton, Calif. 95140.
1 WHITNEY, HASSLER, MUS.B., PH.D., The Institute for Advanced Study, Princeton, N.J. 08540.
1 WHYBURN, G. T., M.A., PH.D., University of Virginia, Charlottesville, Va. 22903.
3 WICK, GIAN-CARLO, Brookhaven National Laboratory, Upton, Long Island, N.Y. 11973.
4 WIESNER, JEROME B., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
3 WIGNER, EUGENE P., DR.ENG., Princeton University, Princeton, N.J. 08540.
1 WILDER, R. L., University of Michigan, Ann Arbor, Mich. 48104.
11 WILLEY, GORDON R., Peabody Museum, Harvard University, Cambridge, Mass. 02138.
8 WILLIAMS, CARROLL M., The Biological Laboratories, Harvard University, 16 Divinity Avenue, Cambridge, Mass. 02138.
6 WILLIAMS, HOWEL, SC.D., University of California, Berkeley, Calif. 94720.
3 WILLIAMS, JOHN H., University of Minnesota, Minneapolis, Minn. 55455.
5 WILLIAMS, JOHN W., University of Wisconsin, Madison, Wis. 53706.
5 WILLIAMS, ROBERT R., M.S., SC.D., 45 Woodland Avenue, Summit, N.J. 07901.
14 WILLIAMS, ROBLEY C., Virus Laboratory, University of California, Berkeley, Calif. 94720.
5 WILLIAMS, ROGER J., M.S., PH.D., University of Texas, Austin, Tex. 78712.
8 WILLIER, BENJAMIN H., B.S., PH.D., Johns Hopkins University, Baltimore, Md. 21218.
14 WILSON, D. WRIGHT, Department of Biochemistry, School of Medicine, University of Pennsylvania, Philadelphia, Pa. 19104.
5 WILSON, E. BRIGHT, Jr., B.S., A.M., PH.D., Harvard University, 12 Oxford Street, Cambridge, Mass. 02138.
2 WILSON, OLIN C., Mount Wilson and Palomar Observatories, 813 Santa Barbara Street, Pasadena, Calif. 91106.
7 WILSON, PERRY W., Department of Bacteriology, University of Wisconsin, Madison, Wis. 53706.
3 WILSON, ROBERT R., Cornell University, Ithaca, N.Y. 14850.

5 WINSTEIN, SAUL, Department of Chemistry, University of California, Los Angeles, Calif. 90024.
14 WINTERSTEINER, OSKAR, Squibb Institute for Medical Research, New Brunswick, N.J. 08903.
5 WOLFROM, MELVILLE LAWRENCE, Ohio State University, Columbus, Ohio 43210.
4 WOLMAN, ABEL, Johns Hopkins University, Baltimore, Md. 21218.
14 WOOD, HARLAND G., A.B., PH.D., School of Medicine, Western Reserve University, Cleveland, Ohio 44106.
10 WOOD, W. BARRY, Jr., School of Medicine, Johns Hopkins University, 725 North Wolfe Street, Baltimore, Md. 21205.
6 WOODRING, W. P., A.B., PH.D., National Museum, Washington, D.C. 20560.
5 WOODWARD, ROBERT BURNS, Harvard University, Cambridge, Mass. 02138.
14 WOOLLEY, DILWORTH W., Rockefeller Institute, New York, N.Y. 10021.
9 WOOLSEY, CLINTON N., Laboratory of Neurophysiology, 283 Medical Sciences Building, University of Wisconsin, Madison, Wis. 53706.
8 WRIGHT, SEWALL G., M.S., SC.D., Department of Genetics, University of Wisconsin, Madison, Wis. 53706.
3 WU, CHIEN-SHIUNG, Department of Physics, Columbia University, New York, N.Y. 10027.
13 WULF, OLIVER REYNOLDS, California Institute of Technology, Pasadena, Calif. 91109.
5 WYCKOFF, RALPH WALTER GRAYSTONE, B.S., PH.D., Department of Physics, University of Arizona, Tucson, Ariz. 85721.

3 YANG, CHEN NING, Institute for Advanced Study, Princeton, N.J. 08540.
6 YODER, HATTEN SCHUYLER, Jr., Geophysical Laboratory, Carnegie Institution of Washington, 2801 Upton Street, N.W., Washington, D.C. 20008.
5 YOST, DON M. L., B.S., PH.D., California Institute of Technology, Pasadena, Calif. 91109.
5 YOUNG, W. G., M.A., PH.D., University of California, Los Angeles, Calif. 90024.

3 ZACHARIAS, JERROLD R., Massachusetts Institute of Technology, Cambridge, Mass. 02139.
3 ZACHARIASEN, FREDERIK WILLIAM HOULDER, PH.D., University of Chicago, Chicago, Ill. 60637.
1 ZARISKI, OSCAR, PH.D., Harvard University, Cambridge, Mass. 02138.
4 ZENER, CLARENCE, Westinghouse Research Laboratories, Pittsburgh, Pa. 15235.
5 ZIMM, BRUNO HASBROUCK, School of Science and Engineering, University of California, La Jolla, Calif. 92038.
4 ZINN, W. H., Combustion Engineering Inc., Nuclear Division, Windsor, Conn. 06095.
8 ZIRKLE, RAYMOND E., Committee on Biophysics, University of Chicago, Chicago, Ill. 60637.
4 ZWORYKIN, V. K., E.E., PH.D., R.C.A. Laboratories, Princeton, N.J. 08540.
1 ZYGMUND, ANTONI, Department of Mathematics, University of Chicago, Chicago, Ill. 60637.

MEMBERS EMERITI:

10 ALBRIGHT, FULLER, 271 Goddard Avenue, Brookline, Mass. 02146.
7 BAILEY, I. W., A.B., D.SC., Harvard Univeristy Herbarium, Cambridge, Mass. 02138.
1 COBLE, ARTHUR B., PH.D., LL.D., Lykens Hotel, Lykens, Pa. 17048.
10 COLE, RUFUS, Mt. Kisco, N.Y. 10549.
3 COOLIDGE, W. D., B.SC., PH.D., 1480 Lennox Road, Schenectady, N.Y. 12308.
8 HARTMAN, CARL G., 219 Norwood Avenue, North Plainfield, N.J. 07060.
11 SCHULTZ, ADOLPH H., PH.D., Anthropologisches Institut, Künstlergasse 15, Zürich, Switzerland.
10 TYZZER, E. E., PH.B., A.M., M.D., 175 Water Street, Wakefield, Mass. 01880.
1 VANDIVER, HARRY SHULTZ, Box 7881, University of Texas, Austin, Texas 78712.

FOREIGN ASSOCIATES:

9 ADRIAN, of Cambridge, EDGAR DOUGLAS, Baron, Trinity College, Cambridge, England.
1 ALEXANDROFF, PAUL A., Mathematical Institute of the Academy of Sciences of the U.S.S.R., Bolshaya Kalushskaya 19, Moscow, U.S.S.R.
3 AMALDI, EDOARDO, University of Rome, Piazzale delle Scienze 5, Rome, Italy.
2 AMBARTSUMIAN, V., Burakan Astronomical Observatory, Erevan, Armenia, U.S.S.R.
10 ANDREWES, Sir CHRISTOPHER HOWARD, Overchalke, Coombe Bissett, Salisbury, Wilts., England.

6 BAILEY, Sir EDWARD, 76 Hampstead Way, London, N.W.11, England.
12 BARTLETT, Sir FREDERIC, 161 Huntingdon Road, Cambridge, England.
9 BEST, CHARLES HERBERT, Banting and Best Department of Medical Research, University of Toronto, Toronto, Canada.
3 BHABHA, HOMI J., Tata Institute of Fundamental Research, Apollo Pier Road, Bombay 1, India.
3 BORN, MAX, Marcard Strasse, Bad Pyrmont, German Federal Republic.
8 BRACHET, JEAN, Laboratoire de Morphologie Animale, Université Libre de Bruxelles, 1850, Chaussée de Wavre, Brussels 16, Belgium.
3 BRAGG, Sir LAWRENCE, The Royal Institution, 21 Albemarle Street, London, W.1, England.
3 BROGLIE, Prince LOUIS DE, 94 rue Perronet, Neuilly-sur-Seine, France.
4 BRUN, EDMOND A., University of Paris, 8-10 place du Commerce, Paris XV, France.
13 BULLARD, SIR EDWARD, Madingley Rise, Madingley Road, Cambridge, England.
13 BULLEN, K. E., University of Sydney, Sydney, Australia.
10 BURNET, Sir MACFARLANE, The Walter and Eliza Hall Institute of Medical Research, Melbourne, Australia.

11 CASO, ALFONSO, Avenida Central 234, Tlacopac, Villa Obregón, Mexico 20, D.F.
13 CHAPMAN, SYDNEY, High Altitude Observatory, Boulder, Colo., U.S.A.
11 CLARK, Sir WILFRED LE GROS, Oxford University, Oxford, England.

9 DALE, Sir HENRY, The Wellcome Trust, 52 Queen Anne Street, London, W.1, England.
1 DIRAC, PAUL ADRIEN MAURICE, St. John's College, Cambridge, England.

7 EPHRUSSI, BORIS, Developmental Biology Center, Western Reserve University, Cleveland, Ohio 44106.

10 FLOREY OF ADELAIDE, HOWARD WALTER, Baron, The Royal Society, Burlington House, London, W.1, England.
8 FRISCH, KARL VON, University of Munich, Munich, German Federal Republic.

6 GEIJER, PER, Agnevaegen 5, Djursholm 1, Sweden.

6 HARRISON, J. M., Department of Mines and Technical Surveys, 588 Booth Street, Ottawa 4, Ontario, Canada.
4 HAWTHORNE, W. R., University Engineering Laboratory, Cambridge University, Trumpington, Cambridge, England.
3 HEISENBERG, W., Max Planck Institut fur Physik und Astrophysik, Munich, Germany.
9 HILL, ARCHIBALD VIVIAN, 16 Bishopswood Road, Highgate, London, N.6, England.
5 HINSHELWOOD, Sir CYRIL, Department of Chemistry, Exeter College, Oxford, England.
1 HODGE, Sir WILLIAM, The Master's Lodge, Pembroke College, Cambridge, England.
1 HOPF, HEINZ, Swiss Federal Institute of Technology, Zürich, Switzerland.
9 HOUSSAY, BERNARDO ALBERTO, Viamonte 2790, Buenos Aires, Argentina.

13 JEFFREYS, Sir HAROLD, St. John's College, Cambridge, England.

3 KAPITZA, PETER L., S. I. Vavilov Institute of Physical Problems, Academy of Sciences of the U.S.S.R., Moscow, U.S.S.R.
5 KARRER, PAUL, Spyristeig 30, Zürich, Switzerland.
7 KIHARA, HITOSHI, National Institute of Genetics, Misima, Japan.
12 KONORSKI, J., Nencki Institute of Experimental Biology, 3 Pasteur Street, Warsaw 22, Poland.
14 KREBS, Sir HANS A., Department of Biochemistry, Oxford University, South Parks Road, Oxford, England.
6 KUNO, HISASHI, University of Tokyo, Tokyo, Japan.

3 LANDAU, LEV DAVIDOVICH, S. I. Vavilov Institute of Physical Problems, Academy of Sciences of the U.S.S.R., Moscow, U.S.S.R.
14 LELOIR, LUIS F., Instituto de Investigaciones Bioquimicas, Obligado 2490, Buenos Aires, Argentina.
1 LERAY, JEAN, Collège de France, 11 Place Marcelin-Berthelot, Paris 5e, France.
8 LEVI, GIUSEPPE, Istituto de Anatomia Umana, Corso Massimo d'Azeglio 52, Turin, Italy.
9 LIM, ROBERT K. S., Medical Sciences Research Laboratory, Miles Laboratories, Inc., Elkhart, Ind., U.S.A.
2 LINDBLAD, BERTIL, Stockholm Observatory, Saltsjöbaden, Sweden.
7 LUNDEGÅRDH, HENRIK GUNNAR, Research Laboratory in Plant Physiology, Penningby, Sweden.
9 LWOFF, ANDRÉ, Institut Pasteur, Paris 15e, France.
14 LYNEN, FEODOR, Max-Planck Institut für Zellchemie, Karlstrasse 23-25, Munich 2, German Federal Republic.
10 MEDAWAR, P. B., National Institute for Medical Research, Mill Hill, London, N.W.7, England.
12 MICHOTTE, ALBERT E. (Baron Michotte van den Berck), University of Louvain, Louvain, Belgium.
2 MINNAERT, MARCEL GILLES JOZEF, Ultrecht Observatory, Zonnenburg 2, Utrecht, The Netherlands.
3 MOTT, Sir NEVILLE, University of Cambridge, Cambridge, England.
2 OORT, JAN HENDRIK, D.SC., Observatory of Leiden, Leiden, Netherlands.
10 PENFIELD, WILDER, B.LITT., D.SC., M.A., D.SC., M.D., Montreal Neurological Institute, Montreal 2, Canada.
4 PENNEY, Sir WILLIAM, United Kingdom Atomic Energy Authority, Charles II Street, London, S.W.1, England.
5 PRELOG, V., Laboratorium für organische Chemie, Eidgenössische Technische Hochschule, Zürich, Switzerland.
5 REICHSTEIN, TADEUS, Organisch-chemische Anstalt, St. Johanns-Ring 19, Basle, Switzerland.
7 ROBERTSON, RUTHERFORD N., University of Adelaide, Adelaide, S. Australia.
5 ROBINSON, Sir ROBERT, Shell Chemical Company, Ltd., Shell Centre, Downstream Building, London, S.E.1, England.
4 ROY, MAURICE, 86 Avenue Niel, Paris XVII, France.
5 RUZICKA, LEOPOLD, Department of Organic Chemistry, Institute of Technology, Zürich, Switzerland.
5 SEMENOV, NIKOLAI N., Institute of Chemical Physics, Vorobyevskoye chaussée 2, Moscow, V-133, U.S.S.R.
4 SOUTHWELL, Sir RICHARD, The Old House, Trumpington, Cambridge, England.
5 SVEDBERG, THE, Fysikalisk-Kemiska Institutionen, University of Uppsala, Uppsala, Sweden.
1 TAYLOR, Sir GEOFFREY, Trinity College, Cambridge, England.
14 THEORELL, HUGO, Nobel Institute of Medicine, Stockholm 60, Sweden.
14 TISELIUS, ARNE W. K., Uppsala University, Uppsala, Sweden.
5 TODD, of Trumpington, ALEXANDER ROBERTUS, Baron, University Chemical Laboratory, University of Cambridge, Lensfield Road, Cambridge, England.
3 TOMONAGA, SIN-ITIRO, Science Council of Japan, Ueno Park, Tokyo, Japan.
13 VENING MEINESZ, F. A., Potgieterlaan 5, Amersfoort Netherlands.
8 WATSON, D. M. S., University College, Gower Street, London, W.C.1, England.
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Director: T. DALE STEWART, A.B., M.D., D.SC.

Museum of History and Technology

Director: FRANK A. TAYLOR, B.S., LL.B. (Acting).

Publs. *Annual Report, Bulletins, Proceedings, Smithsonian Contributions to Anthropology.*

2. National Air and Space Museum

Director: S. PAUL JOHNSTON, B.S., D.SC.

3. National Zoological Park

Director: THEODORE H. REED, D.V.M.

4. Astrophysical Observatory

Director: FRED L. WHIPPLE, A.B., PH.D.

Publs.: *Annals, Smithsonian Contributions to Astrophysics.*

5. Radiation Biology Laboratory

Director: W. H. KLEIN, B.A., PH.D.

6. Canal Zone Biological Area

Director: M. H. MOYNIHAN, A.B., PH.D.

7. National Collection of Fine Arts

Director: DAVID W. SCOTT, A.B., M.F.A., PH.D.

8. Freer Gallery of Art

Director: JOHN A. POPE, A.B., M.A., PH.D.

Publs. *Annual Report, Oriental Studies, Ars Orientalis.*

9. National Portrait Gallery

Director: CHARLES NAGEL, B.A., B.F.A., D.F.A.

10. National Gallery of Art

(Under the direction of the Board of Trustees of the National Gallery of Art)

Director: JOHN WALKER.

11. John F. Kennedy Center for the Performing Arts

Chairman of Board of Trustees: ROGER L. STEVENS.

12. National Portrait Gallery

Director: CHARLES NAGEL, B.A., B.F.A., D.F.A.

13. Science Information Exchange

Director: MONROE E. FREEMAN, B.SC., M.S., PH.D.

Southern California Academy of Sciences: c/o Los Angeles County Museum, 900 Exposition Boulevard, Los Angeles, Calif. 90007; f. 1891; 305 mems.; library of 6,000 vols.; Pres. Dr. JOHN WHITE; Sec. Dr. CHARLES ROZAIRE; publs. *Bulletin* (quarterly), *Memoirs.*

LEARNED SOCIETIES

Agriculture and Veterinary Science

Agricultural History Society: Business Office, Room 3869, South Agriculture Building, Washington 25, D.C.; f. 1919 to stimulate interest in, promote the study of, and facilitate research and publication on the history of agriculture; incorporated 1924 as a non-profit organisation; Pres. Wayne D. Rasmussen; Sec. Helen H. Edwards; Editor James H. Shideler; publ. *Agricultural History* (quarterly, f. 1927).

American Dairy Science Association: 32 Ridgeway Circle, White Plains, N.Y.; f. 1906; 2,800 mems.; Pres. S. T. Coulter; Sec.-Treas. H. F. Judkins; publ. *Journal of Dairy Science* (monthly).

American Forestry Association: 919 17th Street, N.W., Washington 6, D.C.; f. 1875; 38,000 mems.; Exec. Vice-Pres. Fred E. Hornaday.

American Horticultural Society Inc. The: 1600 Bladensburg Road, Northeast, Washington, D.C. 20002; f. 1922 to promote horticulture in all its branches; Sec. Mrs. Grace P. Wilson; publs. *The American Horticultural Magazine* (quarterly), *AHS Gardeners' Forum* (8 times a year).

American Rose Society: 4048 Roselea Place, Columbus, Ohio 43214; org. March 1899, inc. July 1921; membership over 16,500; Exec. Sec. O. Keister Evans, Jr.; Board of 34 dirs.; publs. *The American Rose Annual, The American Rose Magazine* (monthly).

American Society for Horticultural Science: 615 Elm Street, St. Joseph, Michigan; f. 1903; 2,750 mems.; Dir. Cecil Blackwell; publs. *Horticultural Science* (quarterly), *Proceedings* (twice a year).

American Society of Agronomy: 677 South Segoe Road, Madison, Wis. 53711; f. 1908; 5,500 mems.; Sec. Matthias Stelly; publs. *Agronomy Journal* (bi-monthly), *Crops and Soils* (9 times a year), *Agronomy, Monographs.*

American Society of Animal Science: Michigan State University, East Lansing, Michigan; f. 1908; Sec.-Treas. A. M. Pearson; publ. *Journal of Animal Science* (quarterly).

American Veterinary Medical Association: 600 S. Michigan Avenue, Chicago 5, Ill.; f. 1863; 16,500 mems.; Exec. Sec. Dr. H. E. Kingman, Jr.; publs. *Journal of the A.V.M.A.* (fortnightly) and *American Journal of Veterinary Research* (bi-monthly).

Poultry Science Association: Sec.-Treas. Dr. C. B. Ryan, Department of Poultry Science, Texas A. and M., University College Station, Texas 77848.

Society of American Foresters: Suite 300, 1010 16th Street N.W., Washington D.C. 20036; f. 1900; 15,000 mems.; Pres. Philip A. Briegleb; Sec. Henry Clepper; publs. *Journal of Forestry* (monthly), *Forest Science* (quarterly).

Soil Science Society of America: f. 1936; 3,100 mems.; affiliated with the American Society of Agronomy; Sec. Dr. Matthias Stelly; 677 South Segoe Road, Madison Wis. 53711; publ. *Soil Science Society of America Proceedings* (bimonthly).

Architecture and Town Planning

American Institute of Architects: 1735 New York Avenue, N.W., Washington, D.C. 20006; f. 1857; 17,000 mems.; Exec. Dir. William H. Scheick; publs. *The Journal, Memo.*

American Society of Landscape Architects, Inc.: 2000 K Street N.W., Washington, D.C. 20006; f. 1899, inc. 1916 as a professional association; 2,500 mems. and affiliates; Exec. Dir. Lynn M. F. Harriss; publs. *Landscape Architectural News Digest* (monthly), *Landscape Architecture* (quarterly), Editor Grady Clay, 344 So. Peterson Ave., Louisville 6, Ky.

Society of Architectural Historians: Box 94, Media, Penn.; f. 1940; Pres. Prof. J. D. Forbes; Exec. Sec. Mrs. Rosann S. Berry.

The Arts

American Ceramic Society, Inc.: 4055 North High Street, Columbus, Ohio 43214; f. 1899; 6,170 individual mems., 320 corporation mems.; Gen. Sec. Frank P. Reid; publs. *Journal, Bulletin, Ceramic Abstracts* (all monthly).

American Musicological Society: 804 Burton Tower, University of Michigan, Ann Arbor, Mich.; f. 1934; 1,200 mems.; Sec. Louise Cuyler; publ. *Journal.*

American Society for Aesthetics: Cleveland Museum of Art, Cleveland 6, Ohio; f. 1942; 800 mems.; Sec.-Treas. James R. Johnson; publ. *Journal of Aesthetics and Art Criticism* (quarterly).

Archives of American Art: 5200 Woodward Avenue, Detroit 2, Mich.; f. 1954; documents relating to American Art in the original and on microfilm; approx. 1,300,000 items; Dir. E. P. Richardson; Exec. Dir. William E. Woolfenden; Archivist Garnett McCoy.

ASCAP (American Society of Composers, Authors and Publishers): 575 Madison Avenue, New York, N.Y. 10022; f. 1914; mems.; 7,970 authors and composers, 2,624 publishers; a non-profit-making society; issues licences for public performance of members' copyright works; Sec. Stanley Adams.

College Art Association of America: 432 Fourth Avenue, New York 16, N.Y.; f. 1912; 3,300 mems.; Business Man. Eugene J. Lessard; Sec. Bartlett H. Hayes, Jr.; publs. *Art Bulletin* (quarterly), *College Art Journal* (quarterly).

Fine Arts Federation of New York: 115 East 40th Street, New York 16, N.Y.; f. 1895 to ensure united action by the Art Societies of New York in all matters affecting their common interests; mems. are 14 leading professional societies of architecture, painting, sculpture, landscape architecture, etc.; 98 delegate mems.; Pres. Frederick J. Woodbridge; Sec. Katherine Thayer Hobson.

Industrial Designers Society of America Inc.: 60 West 55th Street, New York, N.Y.; f. 1964; through merger of American Society of Industrial Designers (f. 1944) and Industrial Designers Institute (f. 1938); 535 mems.; Sec. Ramah R. Larisch.

John Simon Guggenheim Memorial Foundation: 551 5th Avenue, New York, N.Y. 10017; offers Fellowships for research in any field of knowledge and for artistic creation in any of the fine arts, including music; Pres. Emeritus Mrs. Simon Guggenheim; Chair. of the Board Dale E. Sharp; Pres. Gordon N. Ray; Treas. Ernest M. Lundell, Jr.; publs. *Annual Announcement of Fellowships, Reports of the Secretary and Treasurer* (biennial).

National Academy of Design: 1083 Fifth Avenue, New York 28, N.Y.; f. 1825; membership composed exclusively of artists, divided into two groups, Associates and Academicians; sections: painting, sculpture, water colour, graphic arts, architecture; Pres. Edgar I. Williams, N.A.; Corres. Sec. Louis Bouche, N.A.

Art School of the National Academy, 5 East 89th Street, New York; Dir. Vernon C. Porter.

National Council on the Arts: f. 1965; set up by the government to focus attention on the Arts; mems. include LEONARD BERNSTEIN, AGNES DE MILLE and GREGORY PECK; Dir. ROGER L. STEVENS.

National Institute of Arts and Letters: 633 West 155th Street, New York 32, N.Y.; f. 1898; 250 mems.; Pres. GEORGE F. KENNAN; Sec. LEON EDEL.

National Sculpture Society: 250 East 51st Street, New York, N.Y. 10022; f. 1893, inc. 1896; 360 mems.; Sec. NINA WINKEL; publ. *National Sculpture Review* (quarterly).

National Society of Mural Painters, Inc.: 1083 Fifth Avenue, New York 28, N.Y.; f. 1893, inc. 1895; 200 mems.; Pres. ALLYN COX; Sec. HELEN TREADWELL; publ. *Newsletter* (irregular).

BIBLIOGRAPHY AND LIBRARY SCIENCE

American Association of Law Libraries: f. 1906; 1,053 mems.; Pres. LOUIS PIACENZA; Exec. Sec. Mrs. GOLDIE ALPERIN, Defense Information Office, Chicago, Ill.; publs. *Law Library Journal* (quarterly), *Index to Legal Periodicals* (monthly), *Index to Foreign Legal Periodicals* (quarterly), *Directories of Law Libraries* (biennial), *Current Publications* (monthly).

American Association of State Libraries: a Division of the American Library Association, *q.v.*

American Documentation Institute: 2000 P Street, N.W., Washington, D.C. 20036; f. 1937; 1,500 mems.; Pres. LAURENCE B. HEILPRIN; publ. *American Documentation* (quarterly).

American Library Association: 50 E. Huron Street, Chicago, Ill. 60611; f. 1876; 27,000 mems.; library of *c.* 5,000 vols.; Exec. Dir. DAVID H. CLIFT; publs. *A.L.A. Bulletin* (monthly), *A.L.A. Washington Newsletter* (periodically), *College and Research Libraries* (bi-monthly), *AHIL Quarterly*, *Book List and Subscription Books Bulletin* (semi-monthly), *Library Resources and Technical Services*, *Newsletter on Intellectual Freedom* (bi-monthly), *School Libraries* (quarterly), *Top of the News* and over 200 other publications.

American Merchant Marine Library Association: 45 Broadway, New York 6, N.Y.; f. 1921; 21,848 seamen mems.; Exec. Sec. WILLIAM P. BOLLMAN, 3RD; publs. *Sea Letter* (Easter and Christmas), *Annual Report*, *Let's Look at the Record*.

American Theological Library Association: f. 1947; Exec. Sec. FREDERICK CHENERY, 606 Rathervue Place, Austin, Texas 78705.

Association of American Library Schools: f. 1915; 36 institutional mems., 230 personal mems.; Sec.-Treas. JAMES J. KORTENDICK, Catholic University of America, Dept. of Library Science, Washington, D.C. 20017; publ. *Journal of Education for Librarianship*.

Association of Research Libraries: 1755 Massachusetts Avenue, N.W., Washington D.C. 20036; f. 1932; 74 institutional members; publs. *Farmington Plan Newsletter*, *ARL Statistics*.

Bibliographical Society of America: P.O. Box 397, Grand Central Station, New York 17, N.Y.; org. 1904, inc. 1927; 1,300 mems.; Sec. ROBERT H. TAYLOR; publs. *Papers* (quarterly).

Bibliographical Society of the University of Virginia: c/o University of Virginia Library, Charlottesville, Va.; f. 1947; 1,000 mems.; Perm. Sec. WILLIAM H. RUNGE; publs. *Studies in Bibliography* (annual), *News Sheet*, etc.

California Association of School Librarians: Box 3231, Daly City, Calif. 94015; State Sec. Mrs. RUTH LOCKWOOD, College of the Maria, Kentfield, Calif.; publ. *California School Libraries* (quarterly).

Catholic Library Association: f. 1921; 4,084 mems.; Exec. Dir. M. RICHARD WILT, 461 W. Lancaster Ave., Haverford, Pa.; publs. *Catholic Library World* (monthly, Sept.-May), *Catholic Periodical Index* (quarterly), *Catholic Book List* (annually), *Basic Reference Books for Catholic High School Libraries*, *Workshop Manual for Elementary School Library Programs*, *Handbook and Membership Directory* (annually), *Guide to Catholic Literature* (annually), *Parish Library Manual*.

Council of National Library Associations: Headquarters: c/o Sec.-Treas. MARGARET M. KINNEY, U. S. Veterans Administration Hospital, 130 West Kingsbridge Road, Bronx, N.Y. 10468; Chair. BILL M. WOODS, Special Libraries Association, 31 East 10th Street, New York, N.Y. 10003.

Inter-American Bibliographical and Library Association: Room 450, Library, University of Florida, Gainesville, Fla.; f. 1930; 250 members; Pres. A. CURTIS WILGUS; publ. *Doors to Latin America* (quarterly).

Medical Library Association: f. 1898; 2,000 mems.; Exec. Sec. Mrs. HELEN SCHMIDT, 919 North Michigan Avenue, Chicago 11, Ill.; Editor Dr. ALFRED N. BRANDON; publs. *Bulletin of the Medical Library Association*, *Vital Notes on Medical Periodicals*.

Music Library Association: c/o The Library of Congress, Music Division, Washington 25, D.C.; f. 1931; 850 mems.; publs. *Notes* (quarterly), *Supplement* (quarterly), and books and pamphlets.

Society of American Archivists: f. 1936 to promote sound principles of archive economy and to facilitate cooperation among archivists and archive agencies, including historical manuscript repositories; 900 members; Pres. Dr. EVERETT O. ALLDREDGE, The National Archives, Washington, D.C.; Sec. Dr. PHILIP P. MASON, Wayne State University, Detroit, Michigan 48202; publ. *The American Archivist* (quarterly).

Special Libraries Association: f. 1909; Exec. Offices: 31 E. 10th Street, New York, N.Y. 10003; 6,300 mems.; Exec. Dir. BILL M. WOODS; Exec. Sec. MARIAN E. LUCIUS; publs. include *Special Libraries* (monthly, Sept.-April; bi-monthly, May-Aug.), *Technical Book Review Index* (ten times yearly, Sept.-June), *Scientific Meetings* (3 issues annually).

Special Libraries Association Translation Center: 35 West 33rd Street, Chicago, Ill. 60616; f. 1953, at John Crerar Library to collect, catalogue, reproduce and lend translations; collection of 105,000 translations; Chief of Center Mrs. ILDIKO D. NOWAK.

Theatre Library Association: f. 1937; 200 mems.; Pres. Mrs. HERBERT MCANENY, Theatre Collection, Princeton University Library, Princeton, N.J. 08540; Sec. SAM PEARCE, Theatre and Music Collection, Museum of the City of New York, 1220 Fifth Avenue, New York, 29, N.Y.; Treas. MARY HATCH, Room 80, New York Public Library, 476 Fifth Avenue, New York, N.Y. 10018; publ. *Broadside* (irregularly).

ECONOMICS, LAW AND POLITICS

American Academy of Political and Social Science: 3937 Chestnut Street, Philadelphia, Pa. 19104; f. 1889; 19,208 mems.; Pres. Dr. JAMES C. CHARLESWORTH; Business Man. Mrs. INGEBORG HESSLER; publ. *The Annals* (bi-monthly).

American Accounting Association: c/o College of Business Administration, University of Iowa, Iowa City, Iowa 52240; f. 1917; professional society for educators, practitioners and students of accounting; 20,000 mems.; Pres. GLENN A. WELSCH; Sec.-Treas. B. L. BARNES; publs. *The Accounting Review* (quarterly), monographs, surveys.

American Arbitration Association: 140 West 51st Street, New York, N.Y. 10020; f. 1926; 2,000 mems., 15,600 arbitrators on national panel; Pres. DONALD B. STRAUSS; International Vice-Pres. MARTIN DOMKE; publ. *Arbitration Journal* (quarterly).

American Bar Association: 1155 East 60th Street, Chicago 37, Ill.; f. 1872; 113,000 mems.; Sec. GIBSON GAYLE, Jr.; publs. *American Bar Association Journal* (monthly), *Reports of the A.B.A.* (annual), *American Bar News* (monthly).

American Economic Association: Northwestern University, 629 Noyes Street, Evanston, Ill. 60201; f. 1885 to encourage economic discussion, research and the issue of publications on economic subjects; 13,000 mems. and 13,000 subscribers; Sec. HAROLD F. WILLIAMSON; publs. *American Economic Review, Papers and Proceedings*, etc.

American Finance Association: c/o Graduate School of Business Administration, New York University, 100 Trinity Place, New York 6, N.Y.; f. 1940; to make available knowledge on current developments in the field of finance; Sec.-Treas. Dr. ROBERT A. KAVESH; publ. *Journal of Finance* (quarterly).

American Institute of Pacific Relations: 333 Sixth Avenue, New York 14, N.Y.; f. 1925; 470 mems.; constitutes the U.S. National unit of the international body; Chair. ALBERT MAYER; Exec. Sec. WILLIAM L. HOLLAND; publs. *Far Eastern Survey* (monthly), and scholarly books.

American Judicature Society: 1155 East 60th Street, Chicago 37, Ill.; f. 1913 to promote the efficient administration of justice; 22,000 mems.; Exec. Dir. GLENN R. WINTERS; publ. *Journal* (bi-monthly).

American Law Institute: 133 South 36th Street, Philadelphia 4, Pa.; f. 1923; 1,614 mems.; Sec. HERBERT WECHSLER.

American Peace Society: 1307 N. H. Avenue, N.W., Washington 6, D.C.; f. 1828; Pres. Dr. CHARLES J. ZINN; Exec. Sec. KATE LOWRY; publ. *World Affairs* (quarterly).

American Political Science Association: 1726 Massachusetts Avenue, N.W., Washington 36, D.C.; f. 1903; 9,500 mems.; Exec. Dir. EVRON M. KIRKPATRICK; publ. *The American Political Science Review* (quarterly).

American Society for Public Administration: 1329 18th Street, N.W., Washington, D.C.; f. 1939; 6,500 mems.; national and regional conferences, management institutes, personnel exchange; chapters in local centres; Exec. Dir. DON L. BOWEN; publs. *Public Administration Review* (quarterly), *Public Administration News* (quarterly).

American Society of International Law: 2223 Massachusetts Ave., N.W., Washington 8, D.C.; f. 1906, inc. 1950; 3,500 mems.; Exec. Dir. H. C. L. MERILLAT; Pres. BRUNSON MACCHESNEY; publs. *International Legal Materials* (six times a year), *The American Journal of International Law* (quarterly), *Proceedings* (annual), *Letter to Members* (monthly).

American Statistical Association: 810 18th St., N.W., Washington 6, D.C.; f. 1839; 8,000 mems.; Sec.-Treas. DONALD C. RILEY; publs. *Journal of the American Statistical Association, The American Statistician, Technometrics*.

Association of American Law Schools: 1521 New Hampshire Ave., N.W., Washington, D.C. 20036; f. 1900 for the improvement of legal education; 110 mems.; Exec. Dir. MICHAEL H. CARDOZO.

Carnegie Endowment for International Peace, United Nations Plaza at 46th Street, New York 17, N.Y.; f. 1910; object: to promote international peace through research, publications, other educational activities and co-operation with organisations having a similar objective; present programme: study of the political role of military force, science and technology, fellowships and seminars for diplomats of newly indepedent nations, encouragement of education in world affairs, case studies in international conflicts, provision of facilities for meetings, conferences, exhibits in the Carnegie Endowment International Centre and publication of books and pamphlets, primarily on problems of international organisation; Pres. JOSEPH E. JOHNSON; 26 trustees; publ. *International Conciliation* (five times a year). European Centre, 172 route de Ferney, Grand Saconnex, Geneva, Switzerland.

The Council of State Governments: 1313 East 60th Street, Chicago 37, Ill.; f. 1925; Exec. Dir. BREVARD CRIHFIELD; Other Offices, Washington, D.C., New York, Atlanta and San Francisco; a joint governmental agency established by the States for service to the States; publs. *State Government* (quarterly), *State Government News* (monthly), *The Book of the States* (biennially, even-numbered years, with supplements issued in odd-numbered years), *Digest of Opinions of Attorneys General* (monthly), *Legislative Session Sheet* (weekly), *Proceedings: Governors' Conference* (annual), *National Association of Attorneys General* (annual), *Legislative Research Check-list* (quarterly), and many volumes of reports, research, etc.

Federal Bar Association: 1815 H. Street, N.W. Washington 6, D.C.; f. 1920; 10,000 mems.; Exec.-Dir. JAMES F. DE LA MOTTE; Exec.-Sec. Miss BETTY BARKER; publs. *Federal Bar Association Journal, Federal Bar News*.

Institute of Management Sciences, The (TIMS): P.O. Box 273, Pleasantville, N.Y. 10570; f. 1963; 4,000 mems.; Pres. ROBERT DORFMAN; publ. *Management Science* (monthly).

Institute for Mediterranean Affairs: 27 East 62nd Street, New York 21, N.Y.; established under charter of the University of the State of New York to evolve a better understanding of the historical background and contemporary political and socio-economic problems of the nations and regions that border on the Mediterranean Sea; 250 mems.; Pres. Prof. FOWLER V. HARPER; Sec. and Editor Dir. HARRY LOUIS SELDEN; Dir. of Political Studies SAMUEL MERLIN.

Institute of World Affairs, Inc.: 527 Madison Avenue, Room 314, New York 22, N.Y.; f. 1924; an international seminar for students and graduates; nearly 1,500 graduate mems.; Pres. Mrs. ALEXANDER M. HADDEN; Exec. Dir. LOUIS V. LEHTONEN.

Inter American Statistical Institute (IASI): Constitution Avenue between 18th and 19th N.W., Pan American Union, Washington 6, D.C.; f. 1940; 297 mems.; fosters statistical development in the Western Hemisphere; Pres. JORGE ARIAS (Guatemala); Vice-Pres. CARMEN A. MIRO (Panama), ABELARDO E. ACHECAR (Dominican Republic), ADOLFO MORALES (Uruguay), JOSE BLASCO (Argentina); Sec.-Gen. TULO H. MONTENEGRO; publs. *Estadística* (quarterly), *Inter-American Textbook Series on Theoretical and Applied Statistics, Actividades Estadísticas de las Naciones Americanas, Directory of Statistical Personnel in the American Nations, Latin Americans Receiving Some Statistical Training in the United States, Indices de Precios al Consumidor (Costo de la Vida) de las Naciones Americanas, Noticiero (Programa del Censo de America de 1960.)*

Library of International Relations: 660 North Wabash Avenue, Chicago, Ill. 60611; f. 1932; non-profit institution supported by voluntary contributions; founded to stimulate interest and research in international problems; 500 mems.; has a specialised collection of 300,000 books, documents and pamphlets, and more than 1,000 magazines and newspapers coming from all over the world; holds Round Table discussions for members; conducts seminars on special areas; offers documentary film programmes; offers special services to businesses and to academic institutions; Chair. EDWIN A. LOCKE, Jr.; Sec. ELOISE RE QUA; Head of Reference Dept. JANE STATHAM.

Twentieth Century Fund: 41 East 70th Street, New York N.Y. 10021; f. 1919 by the late Edward A. Filene as an endowed foundation for research and public education on current economic and social problems. Chair. of the Board of Trustees ADOLF A. BERLE: Chair. of Exec. Cttee. JAMES H. ROWE, Jr.; Dir. AUGUST HECKSCHER; publs. *Annual Report, Newsletter,* and reports of Fund studies.

World Peace Foundation: 40 Mount Vernon Street, Boston 8, Mass.; f. 1910; Exec. Sec. ALFRED O. HERO; an operating foundation which does not give outside grants; study and discussion groups in world affairs; research into international organization, American public opinion on foreign policy, mass media of communication in world affairs, etc.; publs. include: *International Organization* (quarterly), *European Peace Treaties after World War II, Studies in Citizen Participation in International Relations* (6 vols.), *The Uncertain South, The Southerner and World Affairs.*

EDUCATION

Adult Education Association of the U.S.A.: 1225 Nineteenth Street, N.W., Washington D.D. 20036; f. 1951; 4,000 mems., 4,000 subscribers; a non-profit membership organisation established "to further the concept of education as a process continuing throughout life"; Exec. Dir. EUGENE I. JOHNSON; publs. *Adult Education* (quarterly), *Adult Leadership* (monthly).

Alfred P. Sloan Foundation: 630 Fifth Avenue, New York 20, N.Y.; f. 1934; makes grants in support of projects in education and research; also makes grants in the field of medicine, especially cancer research, and in pure science, economics and business administration; Pres. EVERETT N. CASE; Vice-Pres. and Exec. Dir. ARNOLD J. ZURCHER; Vice-Pres., Sec. and Treas. JAMES F. KENNEY; publ. *Report* (biennially).

American Association of University Professors: 1785 Massachusetts Avenue, N.W., Washington 36, D.C.; f. 1915; 42,273 mems.; Pres. RALPH F. FUCHS, Indiana University; Gen. Sec. WILLIAM P. FIDLER.

American Council of Learned Societies: 345 E. 46th Street, New York, N.Y. 10017; f. 1919; 31 societies; Pres. FREDERICK BURKHARDT; publs. *Annual Report, Newsletter* (monthly, October through May).

American Council on Education: 1785 Massachusetts Avenue, N.W., Washington, D.C. 20036; f. 1918; 1,343 asscns. and insts.; Pres. LOGAN WILSON; Chair. WILLIAM FRIDAY; publs. *Special Report on Federal Programs* (monthly); *Bulletin on International Education* (8 times yearly), *Expanding Opportunities: The Negro and Higher Education* (8 times yearly), *The Educational Record* (quarterly), *Higher Education and National Affairs* (40 times a year).

American Vocational Association, Inc.: 1025 15th Street N.W., Washington, D.C. 20005; f. 1925; 33,675 mems.; Exec. Sec. M. D. MOBLEY; publ. *American Vocational Journal* (monthly, except June, July, Aug.).

Association of American Colleges, Inc.: 1818 R Street, N.W., Washington, D.C. 20009; f. 1915 to promote higher education in all its forms in the colleges of liberal arts and sciences; 859 mems.; Pres. CARTER DAVIDSON; publ. *Liberal Education* (quarterly).

Association of American Universities: University of Michigan, Ann Arbor, Michigan; f. 1900; Pres. GRAYSON KIRK.

Carnegie Corporation of New York: 589 Fifth Avenue, New York, N.Y. 10017; f. 1911 by Andrew Carnegie for the advancement of knowledge and understanding among peoples of the U.S. and of the British Overseas Commonwealth; primary interests: higher education and public and international affairs; grants to colleges and universities and professional and educational organisations; 15 trustees; Acting Pres. ALAN PIFER; Sec. FLORENCE ANDERSON; publs. *Annual* and *Quarterly Reports.*

Carnegie Foundation for the Advancement of Teaching: 589, 5th Avenue, New York, N.Y. 10017; f. 1905 to provide pensions for college teachers (the list of beneficiaries has been closed) and to conduct educational studies; 25 Trustees; Pres. JOHN W. GARDNER; Sec. FLORENCE ANDERSON; publ. *Annual Report.*

Council for Basic Education: 725, 15th Street, N.W., Washington 5, D.C.; f. 1956; Exec. Dir. MORTIMER SMITH.

Ford Foundation: 477 Madison Avenue, New York, N.Y. 10022; f. 1936 by Henry and Edsel Ford; a non-profit corporation, dedicated to the advancement of human welfare, principally through the support of education; book assets as of September 30th, 1964—$2,882,212,063; Chair. of Board Dr. JULIUS STRATTON; Pres. McGEORGE BUNDY.

Foundation for Integrative Education: 777 United Nations Plaza, New York, N.Y. 10017; f. 1948 to encourage the development and teaching of unified concepts in education and to improve the balance of relationships between the physical and social sciences; Pres. KIRTLEY F. MATHER; Chair. of Research HENRY MARGENAU; Exec. Officer F. L. KUNZ; publ. *Main Currents in Modern Thought* (5 times in the school year).

Foundation Library Center, The: 444 Madison Avenue, New York, N.Y. 10022; Branch Office: 1327 Eighteenth Street, N.W., Washington, D.C. 20036; f. 1956; makes available information about foundations; maintains a full collection of foundation reports, library open to the public; Pres. F. EMERSON ANDREWS; Sec. IRENE R. KAY; publs. *Foundation News* (bi-monthly), *The Foundation Directory* (periodic).

Institute of International Education: 809 United Nations Plaza, New York, N.Y. 10017; f. 1919; administers exchange programmes for American and foreign students, Fulbright scholarships, African exchange and Ford international fellowships; annual expenditure on IIE-related programmes approx. $10,000,000; Pres. KENNETH HOLLAND; Chair. of Board of Trustees Dr. O. MEREDITH WILSON.

National Education Association of the United States: 1201 Sixteenth Street, N.W., Washington 6, D.C.; f. 1857; 812,947 mems., 60,965 life mems. (May 1962); Exec. Sec. WILLIAM G. CARR; Dirs. in each State; publs. *NEA Journal of the National Education Association* (monthly during school terms), *NEA News* (20 to 26 times each year), *The Research Bulletin* (quarterly).

National Society for the Study of Education: 5835 Kimbark Avenue, Chicago, Ill. 60637; f. 1901; 5,000 mems.; Sec. HERMAN G. RICHEY; publ. *Yearbook.*

Philosophy of Education Society: 211 Baldwin Hall, University of Georgia, Athens, Georgia 30601; f. 1941; 541 mems.; exists to promote discussion and analysis of philosophy and education and to improve the teaching and analysis of philosophy and education; Sec.-Treas. GEORGE L. NEWSOME, Jr.; publs. *Educational Theory* (quarterly), *Proceedings of the PES* (annual).

The Rockefeller Foundation: 111 West 50th Street, New York, N.Y. 10020; f. 1913. Chartered for the purpose of promoting "the well-being of mankind throughout the world", the Foundation concentrates its activities in five major programme areas: towards the conquest of hunger; problems of population; university development; and (especially within the United States) equal opportunity and cultural development. Except to a limited extent (at present in virology and agriculture)

the Foundation does not itself engage in research, but, seeks to advance its purposes through grants to universities, research institutes and other qualified agencies conducting work within the scope of the Foundation's programme, and in the training, through post-doctoral fellowships, of competent personnel in its various fields of interest. The Foundation's principal fund, as at Dec. 31st, 1964, was $794,248,419 (market value). Chair. of Board of Trustees JOHN D. ROCKEFELLER 3rd; Pres. J. GEORGE HARRAR; Vice-Pres. KENNETH W. THOMPSON, KENNETH WERNIMONT; Sec. J. KELLUM SMITH, Jr.; Treas. KENNETH WERNIMONT; Comptroller HERBERT HEATON; JOHN M. WEIR, Dir. Medical and Natural Sciences; JOHN J. MCKELVEY (acting), Dir. Agricultural Sciences; JOSEPH E. BLACK, Dir. Humanities and Social Sciences; NORMAN LLOYD, Dir. for Arts; publs. *President's Review, Annual Report, The Rockefeller Foundation Program in the Agricultural Sciences* (annual report), *Quarterly Report.*

State Universities Association: 1785 Massachusetts Avenue, N.W., Washington 6, D.C.; Exec. Sec. CHARLES P. MCCURDY, Jr.

W. K. Kellogg Foundation: 250 Champion Street, Battle Creek, Mich.; f. 1930; administers funds for non-partisan, non-profit agricultural, educational and health activities in the public interest; Pres. EMORY W. MORRIS; Vice-Pres. GLENN A. CROSS; Sec. LEONARD L. WHITE; Treas. ORVILLE L. DEBOLT; publ. *Annual Report.*

HISTORY, GEOGRAPHY AND ARCHÆOLOGY

History

American Antiquarian Society: 185 Salisbury Street and Park Avenue, Worcester, Mass. 01609; f. 1812; 200 mems.; Dir. CLIFFORD K. SHIPTON.

American Association for State and Local History: 132 Ninth Avenue North, Nashville, Tennessee 37203; f. 1941; successor to Conference of Historical Societies; objects: exchange of information on local and regional history and historical societies, and dissemination in scholarly and popular publications of professional material and interpretative articles; Dir. WILLIAM T. ALDERSON; publs. *History News* (monthly; professional news), *Bulletins* (periodically; professional data), *Directory of Historical Societies and Agencies in the United States and Canada* (biennially), technical leaflets, etc.

American Catholic Historical Association: The Catholic University of America, Washington, D.C. 20017; f. 1919; 1,350 mems.; Sec. ROBERT TRISCO; publ. *Catholic Historical Review* (quarterly).

American Historical Association: 400 A Street, S.E., Washington, D.C. 20003; f. 1884; *c.* 12,000 mems.; Exec. Sec. Dr. LOUIS B. WRIGHT; publ. *American Historical Review.*

American Irish Historical Sodiety: 991 Fifth Avenue, New York 28, N.Y.; f. 1897; 3,000 mems.; Pres.-Gen. JAMES MCGURRIN; Historiographer A. M. SULLIVAN.

American-Jewish Historical Society: 150 Fifth Avenue, New York 11, N.Y.; org. 1892; formed to collect and publish material bearing upon the history of America, and to promote the study of Jewish history in general as related to American-Jewish history; Library contains many rare and valuable manuscripts, some of the 16th, 17th and 18th centuries; 2,627 mems.; Librarian Dr. NATHAN M. KAGANOFF; Editor Dr. ISIDORE S. MEYER; publs. *American Jewish Historical Quarterly,* also monographs.

American Numismatic Association: P.O. Box 16243, Phoenix, Arizona 85011; f. 1891; Exec. Sec. DON SHERER.

American Numismatic Society: Broadway at 156th Street, New York 32, N.Y.; f. 1858; 1,199 mems.; Pres. SAMUEL R. MILBANK; Sec. SAWYER MCA. MOSSER; Chief Curator GEORGE C. MILES; Librarian RICHARD P. BREADEN; publs. *Numismatic Literature* (quarterly), *Numismatic Notes and Monographs, Numismatic Studies, Museum Notes, Hispanic Numismatic Series* (all irregular).

American Society of Church History: 321 Mill Road, Oreland, Pa. 19075; f. 1888, reorganised 1906; 900 mems.; Sec. Prof. JAMES H. SMYLIE; publ. *Church History* (quarterly).

American Swedish Historical Foundation: 1900 Pattison Avenue, Philadelphia, Pa. 19145; f. 1926; the Foundation was established to collect, preserve, and to tell the story of the contributions made to the development of America by those of Swedish background. It maintains a large museum built in the style of a Swedish manor and housing both temporary exhibitions and permanent collections, among which is the finest collection of old Scandinavian silver in America. It also sponsors Swedish-U.S. student and trainee exchanges, maintains two libraries and extensive archives and publishes books; *ca.* 1,100 mems.; Pres. Dr. WALTER G. NORD; Dir. Dr. JOHN H. WILKENS; Sec. M. O. ANDERSON; publ. *Yearbook.*

Concord Antiquarian Society: Lexington Road and Cambridge Turnpike, Concord, Mass.; f. 1886; 700 mems.; Pres. FREDERICK GOODING; Sec. Mrs. EDWARD B. THOMAS; Curator Mrs. HOWARD W. KENT; publ. *Handbook.*

Dallas Historical Society: The Hall of State, Dallas 26, Tex.; f. 1922; collection of historical materials; the Society has the custody of the Hall of State (*q.v.* Museums), which it operates as a museum and archives of Texas history; Pres. DUDLEY K. WOODWARD, Jr.; Dir. of Museum VIRGINIA L. GAMBRELL; Historical Dir. HERBERT GAMBRELL, PH.D.; publ. *Thumbnail History.*

Historical Society of Pennsylvania: 1300 Locust Street, Philadelphia 7, Pa.; f. 1824; 2,000 mems.; library (*see* Libraries); Pres. BOIES PENROSE; Sec. PENROSE R. HOOPES; Dir. R. N. WILLIAMS, 2ND; publ. *The Pennsylvania Magazine of History and Biography* (quarterly).

Institute of Early American History and Culture: P.O. Box 220, Williamsburg, Va. 23185; f. 1943; two 3-year post-doctoral fellowships; Dir. LESTER J. CAPPON; publs. *William and Mary Quarterly,* monographs, documents and bibliographies on American History to 1815, *News Letter* (3 or 4 per year), *Handbook* (1957).

Long Island Historical Society: 128 Pierrepont Street, Brooklyn, N.Y. 11201; f. 1863; library of 110,000 vols.; 725 mems.; Pres. DAVID M. CORY; Sec. CHARLES L. LIVINGSTON, Jr.; Exec. Dir. JOHN H. LINDENBUSCH; Librarian HELEN P. BOLMAN; publ. *Journal of Long Island History.*

Maryland Historical Society: 201 West Monument Street, Baltimore 1, Md.; f. 1844; 3,500 mems.; library of 55,000 vols., 600,000 MSS.; Pres. GEORGE L. RADCLIFFE; Dir. HAROLD R. MANAKEE; Librarian JOHN D. KILBOURNE; publs. *The Archives of Maryland, Maryland Historical Magazine* (quarterly), *Maryland History Notes, Studies in Maryland History, Wheeler Leaflets on Maryland History, My Maryland* (textbook).

Massachusetts Historical Society: 1154 Boylston Street, Boston 15, Mass.; f. 1791; oldest Historical Society in U.S.; library of 250,000 vols.; historical; Dir. STEPHEN T. RILEY; Librarian JOHN D. CUSHING; publs. *Proceedings,* etc.

Minnesota Historical Society: Saint Paul 1, Minnesota; f. 1849; 4,000 mems.; library of over 300,000 vols. with extensive MS., newspaper and picture depts.; Pres.

WALTER TRENERRY; Sec. and Dir. RUSSEL W. FRIDLEY; publs. *Minnesota History* (quarterly), *Gopher Historian* (thrice yearly), *Minnesota History News* (bi-monthly).

New York Historical Society: 170 Central Park West; New York 24, N.Y.; f. 1804; 1,100 mems. (all grades); library of 400,000 vols.; Dir. and Librarian JAMES J. HESLIN; Curator of the Museum RICHARD J. KOKE; publs. *The New York Historical Society Quarterly*, etc.

Oregon Historical Society: Portland 1, Oregon; f. 1898; original manuscripts, printed records, museum artifacts from discovery, settlement of Oregon Country, Pacific Northwest; Dir. THOMAS VAUGHAN.

Presbyterian Historical Society: 520 Witherspoon Building, Philadelphia 7, Pa.; f. 1852; library of 75,000 vols. and 400,000 MSS.; Pres. THEOPHILUS M. TAYLOR, PH.D.; Sec. JAMES H. NICHOLS; Assistant Sec. WILLIAM B. MILLER; publs. *Journal* (quarterly), *Annual Report*.

Renaissance Society of America: 1161 Amsterdam Avenue, New York 27, N.Y.; f. 1954; Exec. Dir. WILLIAM NELSON.

Rhode Island Historical Society: 52 Power Street, Providence 6, R.I.; f. 1822; library of 100,000 vols.; historical and genealogical; 1,900 mems.; Dir. CLIFFORD P. MONAHON; Librarian CLARKSON A. COLLINS, III; publ. *Rhode Island History* (quarterly).

Society of American Historians: Fayerweather Hall, Columbia University, New York 27, N.Y.; f. 1939; 400 mems.; Pres. ERIC GOLDMAN; Treas. JOHN A. GARRATY; Sec. ALDEN T. VAUGHAN.

State Historical Society of Wisconsin: 816 State Street, Madison 6; f. 1846; 725,000 vols.; Dir. CLIFFORD L. LORD; Librarian BENTON H. WILCOX; publ. *Wisconsin Magazine of History* (quarterly).

Vermont Historical Society: State Administration Building, Montpelier, Vt.; f. 1838; objects: educational work in Vermont and American history; collection of books, documents, and manuscripts relating to Vermont; publication of historical magazines and books; maintenance of State Museum; 2,300 mems.; Pres. JOHN P. CLEMENT; Dir. and Editor RICHARD G. WOOD; publs. *Vermont History* (quarterly), *News and Notes* (monthly bulletin).

Western Reserve Historical Society: 10825 East Boulevard, Cleveland 6, Ohio; f. 1867; maintains a museum and a library; 700 mems.; library of 200,000 vols., 100,000 pamphlets, 1,000,000 MSS.; Pres. LAURENCE H. NORTON; Dir. MEREDITH B. COLKET, Jr.; Librarian Mrs. ALENE LOWE WHITE; publ. *The Historical Society News* (monthly).

Geography

American Geographical Society: Broadway at 156th Street, New York, N.Y. 10032; f. 1852; 4,000 mems.; Dir. CHARLES B. HITCHCOCK; publs. journals *Geographical Review, Focus, Current Geographical Publications, Soviet Geography: Review and Translation*, books and maps; library and map and atlas collection.

American Society of Limnology and Oceanography: f. 1936; 1,469 mems.; Sec. HERBERT CURL, Jr., Dept. of Oceanography, Oregon State Univ., Corvallis, Ore.

Association of American Geographers: 1146 16th Street, N.W., Washington 36, D.C.; f. 1904; 2,000 mems.; Sec. Dr. NORTON GINSBERG; publs. *Annals of the Association of American Geographers, The Professional Geographer*.

National Geographic Society: 17th and M Streets, N.W., Washington, D.C. 20036; f. 1888; 4,475,000 mems.; organised for the increase and diffusion of geographic knowledge; Pres. MELVILLE BELL GROSVENOR; Exec. Vice-Pres. and Sec. MELVIN M. PAYNE; publ. *The National Geographic Magazine*.

Society of Woman Geographers: 1216 Connecticut Avenue, N.W., Washington, D.C. 20036; f. 1925; 400 mems.; Pres. Mrs. LYDIA VAN ZANDT; Sec. Mrs. BENITA S. HARRIS; publ. *Annual Bulletin*.

Archæology

Archæological Institute of America: 100 Washington Square East, New York, N.Y. 10003; f. 1879; 4,000 mems.; 10,000 subscribers; Gen. Sec. CLAIREVE GRANDJOUAN; publs. *American Journal of Archæology* (quarterly), *Archæology* (illustrated quarterly).

Arizona Archæological and Historical Society: Arizona State Museum, Univ. of Arizona, Tucson, Arizona; f. 1916; 250-300 mems.; Pres. JULIAN D. HAYDEN; Sec. WILLIAM J. ROBINSON; publ. *The Kiva*.

INTERNATIONAL CULTURAL INSTITUTES

American Society of African Culture: 15 East 40th Street, New York, N.Y. 10016; f. 1957; 300 mems.; affil. with the Société Africaine de Culture, Paris; exists to establish channels of communication for the recognition and development of African culture; Pres. Dr. JOHN A. DAVIS; Exec. Dir. CALVIN H. RAULLERSON; publ. *Newsletter* (monthly), *African Forum* (quarterly).

Asia Foundation, The: 550 Kearny Street, San Francisco 8, California (Main Office); New York Office: 200 East 42nd Street, New York 17; f. 1951 and Articles of Incorporation restated 1954; purpose of the Foundation is to strengthen Asian educational, cultural and civic activities with private American assistance, most projects supported by the Foundation are administered by Asians; Chair. Board of Trustees RUSSEL G. SMITH; Pres. HAYDN WILLIAMS; Sec. TURNER H. MCBAINE; publs. *The Asian Student, Program Bulletin*.

Belgian-American Educational Foundation, Inc.: 420 Lexington Avenue, New York 17, N.Y.; f. 1920 to promote closer relations and the exchange of intellectual ideas between Belgium and the United States; Pres. MAURICE PATE.

Deutsches Kulturinstitut: 1014 Fifth Avenue, New York 28, N.Y.

English-Speaking Union of the United States, Inc.: 16 East 69th Street, New York 21, N.Y.; f. 1920; Chair. DWIGHT D. EISENHOWER; Pres. CHARLES E. SALTZMAN; Exec. Dir. JOHN J. SCHIEFFELIN; Dep. Exec. Dir. HARTLEY E. HOWE; publ. *News*; 80 brs. in U.S.A.

French Institute in the United States: 22 East 60th Street, New York 22, N.Y.; f. 1911; Dir. V. MILLIGAN.

Österreichisches Kulturinstitut in New York: 11 East 52nd Street, New York, N.Y. 10022; Dir. WILHELM SCHLAG.

LANGUAGE AND LITERATURE

American Classical League: Miami University, Oxford, Ohio; f. 1918 6,000 mems.; Sec.-Treas. Dr. HENRY C. MONTGOMERY; publ. *The Classical Outlook* (Monthly, Oct.-May).

American Philological Association: 313 W. A. Neilson Library, Smith College, Mass.; f. 1869; 1,800 mems.; Sec. CHARLES HENDERSON, Jr.; publs. *Transactions and Proceedings* (annual), *Philological Monographs, Special Publications*.

Linguistic Society of America: Box 8120, University of Texas, Austin 12, Tex.; f. 1924; 78,712 mems.; 1,200 libraries, foreign and domestic; Pres. YAKOV MALKIEL; Sec.-Treas. ARCHIBALD A. HILL; Editor BERNARD BLOCH, Yale University; publ. *Language* (quarterly).

Modern Language Association of America: 4 Washington Place, New York, N.Y. 10003; f. 1883; 20,000 mems.; Exec. Sec. Prof. JOHN H. FISHER; Treas. GEORGE L. ANDERSON; publ. *PMLA* (four times a year and two supplements).

Poetry Society of America: 142 East 35th Street, New York 16, N.Y.; f. 1910; Sec. CHARLES A. WAGNER.

Society of Biblical Literature: (formerly Society of Biblical Literature and Exegesis); f. 1880; 2,184 mems.; Pres. Prof. JOHN L. MCKENZIE, S.J.; Exec. Sec. Prof. LAWRENCE TOOMBS, Drew University, Madison, N.J.; publ. *Journal of Biblical Literature*.

Speech Association of America: Statler Hilton Hotel, New York, N.Y. 10001; f. 1914; 8,000 mems.; Pres. J. JEFFERY AUER; Exec. Sec. WILLIAM WORK; publs. *Journal of Speech, Speech Monographs, The Speech Teacher* (quarterly), *Directory* (annual).

MEDICINE

American Academy of Allergy: 756 North Milwaukee Street, Milwaukee, Wis. 53202; f. 1943; 1,560 mems.; Pres. DAVID W. TALMAGE, M.D.; Exec. Sec. JAMES O. KELLEY; publ. *The Journal of Allergy*.

The American Academy of General Practice: Volker Boulevard at Brookside, Kansas City 12, Mo.; f. 1947; promotes and maintains high standards in the general practice of medicine; 28,232 mems.; Pres. ALBERT E. RITT, M.D.; Pres.-Elect. JULIUS MICHAELSON, M.D.; Exec. Dir. MAC F. CAHAL, J.D.; Treas. MALCOLM E. PHELPS, M.D.; publs. *American Family Physician, GP Magazine*.

American Academy of Ophthalmology and Otolaryngology: 15 Second Street S.W., Rochester, Minn.; f. 1896; 6,889 mems.; Exec. Sec.-Treas. W. L. BENEDICT, M.D.; publ. *Transactions* (bi-monthly).

American Academy of Pediatrics: f. 1930; 8,000 mems.; Exec. Dir. E. H. CHRISTOPHERSON, M.D., 1801 Hinman Avenue, Evanston, Ill.; publ. *Pediatrics (monthly)*.

American Association of Anatomists: Department of Anatomy, University of Michigan, Ann Arbor, Michigan 48104; f. 1888; 1,609 mems.; Pres. C. M. GOSS; Sec.-Treas. R. T. WOODBURNE; publs. *American Journal of Anatomy, Anatomical Record, Journal of Comparative Neurology*.

American Association of Pathologists and Bacteriologists: f. 1901; 1,000 mems.; Pres. THOMAS D. KINNEY, Duke University Medical Center; Sec.-Treas. J. LOWELL ORBISON, University of Rochester Medical Centre; publ. *American Journal of Pathology*.

American Cancer Society, Inc.: 219 East 42nd Street, New York, N.Y., 10017; f. 1913; Chair. of Board of Dirs. FRANCIS J. WILCOX; Sec. CHARLES R. EBERSOL; publs. *Cancer News* (semi-annually), *Cancer* (monthly), *CA—A Cancer Journal for Clinicians* (bi-monthly).

American College of Obstetricians and Gynecologists: 79 West Monroe Street, Chicago 3, Ill.; f. 1951; 9,861 mems.; Pres. AXEL N. ARNESON; Pres. Elect. HOWARD C. TAYLOR, Jr.; Sec. CRAIG W. MUCKLE; publ. *Obstetrics and Gynecology*.

American College of Physicians: 4200 Pine Street, Philadelphia 4, Pa.; f. 1915; 8,381 Fellows, 33 Masters, 3,562 Associates; Exec. Dir. EDWARD C. ROSENOW, Jr., M.D.; publ. *Annals of Internal Medicine* (monthly).

American College of Surgeons: 55 East Erie Street, Chicago 11, Ill.; f. 1913; 26,000 Fellows; library of 15,000 vols.; Chair. Board of Regents Dr. PRESTON A. WADE, New York, N.Y.; Dir. Dr. JOHN PAUL NORTH; Sec. Dr. SAMUEL P. HARBISON; publs. *Surgery, Gynaecology and Obstetrics* (monthly), *Yearbook* (triennially), *Bulletin* (bi-monthly).

American Dental Association: 211 East Chicago Avenue, Chicago, Ill. 60611; f. 1859; 103,000 mems.; Sec. HAROLD HILLENBRAND, D.D.S.; publs. *Journal* (monthly), *Journal of Oral Surgery* (bi-monthly), *ADA Newsletter* (fortnightly), *Legislative Bulletin* (monthly), *Index to Dental Literature* (quarterly), *Abstracts* (monthly), *Journal of Dental Research* (bi-monthly), *Oral Research Abstracts* (monthly), *American Dental Directory* (annual), *Accepted Dental Remedies* (annual), *Dental Health Highlights* (monthly), *Fluoridation Reporter* (bi-monthly).

American Geriatrics Society: 10 Columbus Circle, New York 19; f. 1942; 8,400 mems.; Pres. WILLIAM HAMMOND, M.D.; Treas. EDWARD J. LORENZE, M.D.; Sec. WILLIAM W. PRIDDLE, M.D.

American Gynecological Society: f. 1876; 125 Fellows, 7 Hon. Fellows; Sec. Dr. JOHN I. BREWER, 104 S. Michigan Ave., Chicago 3, Ill.

American Heart Association: 44 East 23rd Street, New York, N.Y.

American Hospital Association: 840 North Lake Shore Drive, Chicago, Ill. 60611; f. 1898; 16,159 mems.; Pres. PHILIP D. BONNET; Dir. EDWIN L. CROSBY; publs. *Trustee* (monthly), *Auxiliary Leader* (monthly), *Hospitals*.

American Institute of Homeopathy: 1601 Chestnut Street, Philadelphia 3, Pa.; f. 1844; Business Man. L. S. WHYTE; publ. *Journal of the American Institute of Homeopathy* (monthly).

American Institute of Nutrition: 9650 Wisconsin Avenue, Bethesda 14, Md.; f. 1933; 818 mems.; Sec. ARNOLD E. SCHAEFER; publ. *The Journal of Nutrition*.

The American Laryngological, Rhinological and Otological Society, Inc.: f. 1895; approx 633 mems.; Pres. FRANCIS W. DAVISON, M.D.; Sec. VICTOR R. ALFARO, M.D.; 917 20th Street, N.W., Washington, D.C. 20006.

American Medical Association: 535 North Dearborn Street, Chicago 10, Ill.; f. 1847; 200,000 mems.; Exec. Vice-Pres. F. J. L. BLASINGAME; publs. *Journal of the American Medical Association* (weekly), *AMA News* (bi-weekly), ten special journals (monthly), *American Medical Directory* (biennial), *Cumulated Index Medicus* (annual), *Today's Health* (monthly), *New Drugs* (annual), *Current Medical Terminology* (bi-annual).

American Medical Technologists: 710 Higgins Road, Park Ridge, Illinois 60068; f. 1939; 10,300 mems.; Pres. RALPH S. HASKINS, M.T.; Vice-Pres. JOHN M. RHODES, M.T.; Sec.-Treas. DOROTHY LEWIS, M.T.

American Medical Women's Association, Inc.: 1790 Broadway, New York 19, N.Y.; f. 1915; Pres. EDITH PETRIE BROWN, M.D.; Exec. Dir. JESSIE LAIRD BRODIE, M.A.; publ. *Journal* (monthly).

American Neurological Association: 710 West 168th Street, New York 32, N.Y.; f. 1874; 403 mems.; Pres. JAMES L. O'LEARY; Sec.-Treas. MELVIN D. YAHR; publ. *Transactions* (annual).

American Occupational Therapy Association: 250 West 57th Street, New York, N.Y. 10019; f. 1917; 7,183 mems.; Pres. Miss RUTH BRUNYATE; Exec. Dir. Miss FRANCES HELMIG; publ. *The American Journal of Occupational Therapy* (bi-monthly), *Newsletter* (monthly), *Registry of the American Occupational Therapy Association* (annual).

American Optometric Association, Inc.: 7000 Chippewa Street, St. Louis 19, Mo.; f. 1897; 13,500 mems.; Admin. Dir. J. HAROLD BAILEY; publ. *Journal*.

American Pediatric Society: f. 1888; 266 active mems.; Sec.-Treas. CONRAD M. RILEY, M.D., 2800 East Cedar Ave., Denver 9, Colo.

American Physical Therapy Association: 1790 Broadway, New York, N.Y. 10019; f. 1921, inc. 1930; 10,780 mems.; Exec. Dir. Miss LUCY BLAIR; publ. *Journal of the American Physical Therapy Association*.

American Physiological Society: 9650 Wisconsin Avenue, Washington 14, D.C.; f. 1887; 2,823 mems.; Exec. Sec. RAY G. DAGGS; publs. *American Journal of Physiology*,

Journal of Applied Physiology, Physiological Reviews, The Physiologist, Journal of Neurophysiology, Physiology for Physicians, Handbooks of Physiology.

American Psychiatric Association: Room 4126, 500 Fifth Avenue, New York 36, N.Y., and 1700 18th Street, N.W., Washington 9, D.C.; f. 1844; 9,295 mems.; Sec. HARVEY J. TOMPKINS; Med. Dir. Dr. WALTER E. BARTON; publ. *American Journal of Psychiatry* (monthly).

American Public Health Association: 1790 Broadway, New York 19, N.Y.; f. 1872; 14,000 mems.; Chair. Exec. Board JOHN D. PORTERFIELD, M.D.; Exec. Dir. BERWYN F. MATTISON, M.D.; publ. *American Journal of Public Health* (monthly).

American Roentgen Ray Society: f. 1900; 848 active mems.; Sec. C. ALLEN GOOD, Mayo Clinic, Rochester, Minn.; publs. *American Journal of Roentgenology* (monthly), *Radium Therapy and Nuclear Medicine.*

American Social Health Association: 1790 Broadway, New York 19, N.Y.; f. 1914; Pres. S. DALE FURST; Exec. Dir. CONRAD VAN HYNING; Sec. JOYCE YERWOOD, M.D.; publ. *Social Health News* (monthly).

American Society for Clinical Investigation: f. 1907; 1,045 mems.; Sec.-Treas. GRANT W. LIDDLE, M.D., Vanderbilt University School of Medicine, Nashville, Tenn.; publ. *Journal of Clinical Investigation* (monthly).

American Society for Experimental Pathology: University of California Medical Center, San Francisco, California 94122; f. 1913; 960 mems.; Pres. Dr. KENNETH M. BRINKHOUS; Sec.-Treas. Dr. HENRY D. MOON; publ. *The Archives of Pathology.*

American Society for Microbiology: 115 Huron View Boulevard, Ann Arbor, Michigan; f. 1899, under present name 1961; 9,000 mems.; Pres. Dr. RILEY D. HOUSEWRIGHT; publs. *Journal of Bacteriology* (monthly), *Applied Microbiology* (bi-monthly), *Bacteriological Reviews and News* (quarterly), *Antimicrobial Agents and Chemotherapy* and *Bacteriological Proceedings* (annual).

American Society for Pharmacology and Experimental Therapeutics, Inc.: 9650 Wisconsin Avenue, Washington 14, D.C.; f. 1908; 961 mems.; Sec. SIDNEY UDENFRIEND; publs. *Journal of Pharmacology and Experimental Therapeutics* (monthly), *Pharmacological Reviews* (quarterly), *The Pharmacologist* (twice yearly).

American Society of Clinical Pathologists: 445 N. Lake Shore Drive, Chicago, Illinois 60611; f. 1922; 4,000 mems.; Pres. ROBERT W. COON; Vice-Pres. ALBERT L. MCQUOWN; Sec. Treas. LESTER H. HOYT; library of 5,000 vols.; publ. *American Journal of Clinical Pathology.*

American Society of Medical Technologists: Suite 25, Hermann Professional Building, Houston 25, Tex.; f. 1933; nearly 10,000 mems.; there are constituent societies according to states, and district societies within the states; Exec. Sec. Miss ROSE MATTHAEI; publ. *The American Journal of Medical Technology.*

American Society of Tropical Medicine and Hygiene: P.O. Box 295, Kensington, Maryland; f. 1903; 1,250 mems.; Sec.-Treas. Dr. G. M. JEFFERY; publs. *American Journal of Tropical Medicine and Hygiene, Tropical Medicine and Hygiene News.*

American Speech and Hearing Association: 9309 Old Georgetown Road, Washington, D.C. 20014; f. 1925; 14,000 mems.; Exec. Sec. KENNETH O. JOHNSON, PH.D.

American Surgical Association: f. 1880; 387 mems.; Sec. Dr. WM. A. ALTEMEIER, Cincinatti General Hospital, Cinn., Ohio; publ. *Transactions* (annual).

American Urological Association, Inc.: 1120 North Charles Street, Baltimore, Md. 21201; f. 1902; 2,153 mems.; Pres. Dr. HUGH J. JEWETT; Sec. Dr. RUBIN H. FLOCKS; publ. *Journal.*

Armed Forces Institute of Pathology: 6825 16th Street, N.W., Washington 25, D.C.; est. 1862 as Army Medical Museum, changed to Army Institute of Pathology in 1946 and to Armed Forces Institute of Pathology in 1949; it is the central laboratory of pathology for the Department of Defence serving the needs of the U.S. Army, Navy, Air Force, the Veterans' Administration and, to a limited degree, of other Federal agencies. It is organized into four major departments: the *Department of Pathology*, the *American Registry of Pathology*, the *Medical Illustration Service*, and the *Medical Museum* (Seventh Street and Independence Avenue, S.W.); Dir. Col. JOE M. BLUMBERG, Medical Corps, United States Army.

Association of American Medical Colleges: 2530 Ridge Avenue, Evanston, Ill.; f. 1876; Exec. Dir. ROBERT C. BENSON, M.D.

Association of American Physicians: f. 1885; 250 mems.; Sec. P. B. BEESON, Yale University School of Medicine, New Haven 11, Conn.

College of Physicians of Philadelphia: 19 S. 22nd Street, Philadelphia 3, Pa.; f. 1788 (College, f. 1787); library of 223,656 vols. medical; 1,256 Fellows; Pres. JOHN H. GIBBON, Jr., M.D.; Librarian E. H. MORSE; publ. *Transactions and Studies.*

Commonwealth Fund: 1 East 75th Street, New York, N.Y.; f. 1918; grants for medical education and advanced medical fellowships; endowment of $77,000,000; Chair. of Board MALCOLM P. ALDRICH; Pres. QUIGG NEWTON; Vice-Pres. JOHN A. GIFFORD; Treas. WILLIAM H. MOORE; publ. *Annual Report.*

Gerontological Society, Inc.: 660 South Euclid Ave., St. Louis, Mo. 63110; 2,057 mems.; Sec. ETHEL SHANAS; publs. *Journal of Gerontology, The Gerontologist.*

Gorgas Memorial Institute of Tropical and Preventive Medicine, Inc.: 1835 Eye Street, N.W., Washington 6, D.C.; f. 1921; Pres. Dr. WALTER A. BLOEDORN; Sec. Dr. LOUIS L. WILLIAMS; Board of Dirs. of 44 mems.; Research Agency: Gorgas Memorial Laboratory, Apartado 6991, Panama, R. de P.; Dir. CARL M. JOHNSON; publ. *Annual Report.*

Industrial Hygiene Foundation of America, Inc.: Mellon Institute, 4400 Fifth Avenue, Pittsburgh 13, Pa.; f. 1935; a non-profit research association of industries for advancing industrial health and improving working conditions; 400 member companies and associations; Chair. B. B. HESCOTT; Man. Dir. Dr. R. T. P. DE TREVILLE; publs. *Industrial Hygiene Digest* (monthly), *Transactions* (annual), special technical bulletins.

The John A. Hartford Foundation, Inc.: 405 Lexington Avenue, New York, N.Y. 10017; f. 1929 by John A. Hartford and George L. Hartford; medical research, with emphasis on the need to reduce the time between laboratory findings and their application in the care and treatment of patients; assets at December 31st, 1964—$397,187,714; Pres. RALPH W. BURGER; Admin. Vice-Pres. E. PIERRE ROY; Vice-Pres. HARRY GEORGE; Sec. HAROLD D. HOAG; Treas. JOHN D. EHRGOTT.

The John and Mary R. Markle Foundation: 511 Fifth Avenue, New York 17, N.Y.; f. 1927 by an endowment given by John Markle, chartered by the State of New York; supports medical research and teaching by grants to institutions; 12 mems.; Exec. Dir. JOHN M. RUSSELL; Sec. DOROTHY ROWDEN; publ. *Annual Report.*

Medical Society of the State of New York: 750 Third Avenue, New York N.Y.; 10017, f. 1807; 25,630 mems.; Exec. Vice-Pres. HENRY I. FINEBERG, M.D.; publs. *New York State Journal of Medicine* (twice monthly), *Medical Direc ory of New York State* (biennially), *News of New York* (monthly news-bulletin).

National Association for Mental Health: 10 Columbus Circle, New York, N.Y. 10019; f. 1928; 18 mems.; Pres. Mrs. WINTHROP ROCKEFELLER.

National Association for Mental Health, Inc.: 10 Columbus Circle, New York, N.Y. 10019; f. 1950; 48 State Divisions, 1,000 Local Chapters; Exec. Dir. PHILIP E. RYAN; Dir. of Research and Professional Services Dr. W. MALAMUD; publ. *Mental Hygiene*.

The National Foundation: 800 Second Avenue, New York, N.Y. 10017; f. 1938 as The National Foundation for Infantile Paralysis Inc., name and programme changed in 1958; present activities include broad basic and clinical research in birth defects, patient care through a network of fifty-seven birth defects centres, professional education and support of the Salk Institute for Biological Studies; membership: 3,100 chapters; Pres. BASIL O'CONNOR; publ. *Annual Report*.

National Tuberculosis Association: 1790 Broadway, New York 19, N.Y.; f. June 6th, 1904, at Atlantic City, New Jersey, as the National Association for the Study and Prevention of Tuberculosis; Pres. ALBERT W. DENT, LL.D., Vice-Pres. JOHN H. MARTIN, HERBERT J. WILSON, M.D.; Man. Dir. JAMES E. PERKINS, M.D., Sec. JOHN W. SWENSON; publ. *Bulletin* (monthly; except August; Editor S. S. LIFSON), has 2,100 affiliated associations throughout the country.

The Medical Section of the N.T.A., the American Thoracic Society, has a membership of over 5,000, including tuberculosis physicians in many foreign countries; publ. *The American Review of Respiratory Diseases* (monthly); Medical Dir. JAMES W. RALEIGH, M.D.; Exec. Sec. FRANK W. WEBSTER.

New York Academy of Medicine: 2 East 103rd Street, New York 29, N.Y.; f. 1847; 3,500 mems.; Pres. Dr. JOHN L. MADDEN; Sec. Dr. ANTHONY C. CIPOLLARO; publ. *Bulletin* (monthly).

Optical Society of America: 1155 16th Street, N.W., Washington, D.C. 20036; a national organisation devoted to the advancement of optics and the service of all who are interested in any phase of that science; member Society of American Institute of Physics; 4,500 mems.; Pres. V. Z. WILLIAMS; Exec. Sec. MARY E. WARGA; publs. *Journal, Applied Optics, Optics and Spectroscopy*.

The Radiological Society of North America, Inc.: 713 East Genesee Street, Syracuse, New York 13210; f. 1915; 4,356 mems.; Pres. ROBERT D. MORETON, M.D.; Pres. Elect. JOHN W. WALKER, M.D.; Sec.-Treas. MAURICE D. FRAZER, M.D.; publ. *Radiology*.

Society for the Study of Development and Growth: f. 1939; 275 mems.; Sec. Dr. R. O. ERICKSON, Botanical Laboratories, University of Pennsylvania, Philadelphia 4, Pa.

Society of American Bacteriologists: 19875 Mack Avenue, Detroit 36, Michigan; f. 1889; 6,100 mems.; Exec. Sec. R. W. SARBER; publs. *Journal of Bacteriology, Bacteriological Reviews, Applied Microbiology, Bacteriological Proceedings*.

Society of Medical Jurisprudence: New York Academy of Medicine, 2 East 103rd Street, New York, N.Y.; org. and inc. March 6th, 1883; objects: the investigation, study, and advancement of the science of medical jurisprudence, and the attainment of a higher standard of medical testimony; membership: members must be physicians, lawyers, or chemists of good standing in their respective professions, or teachers in approved Law or Medical Schools; total membership 550-600; Sec. EDWARD B. WILLING, 22 West First Street, Mount Vernon, N.Y.; publ. *Proceedings* (intermittent).

U.S. National Institutes of Health: Department of Health, Education, and Welfare, Public Health Service, Bethesda 14, Maryland; conduct laboratory and clinical research in all medical and allied life sciences; a focal point for national health research by providing support through various grants and fellowships for the bulk of biochemical research and training; source of funds $880,800 million (1963); Dir. JAMES A. SHANNON, M.D.

National Institute of Child Health and Development: f. 1963; administers a national programme of research in the health status, needs, and problems of people; incorporates the Center for Aging Research and Center for Research in Child Health; Dir. ROBERT A. ALDRICH, M.D.

National Institute of Arthritis and Metabolic Disease: f. 1950; emphasis on fundamental research on metabolic processes; international studies in nutrition, biometry and epidemiology; Dir. DONALD S. WHELDON, M.D.

National Heart Institute: f. 1948; performs and supports research in diseases of the heart and blood vessels; provides training and instruction; Dir. RALPH E. KNUTTI, M.D.

National Cancer Institute: f. 1937; supports broad research programmes into the causes, detection and diagnosis, and treatment of cancer; co-operates with State and local health agencies and voluntary bodies; Dir. KENNETH M. ENDICOTT, M.D.

National Institute of Allergy and Infectious Diseases: f. 1955; conducts and supports research in microbiology aimed at solving new problems in allergic diseases and unresolved problems in bacterial diseases, and at developing a useful body of knowledge in the viral diseases; Dir. JUSTIN M. ANDREWS, SC.D.

National Institute of Dental Research: f. 1948; research concerned with problems of dental caries and periodontal disease, with special emphasis on treatment, control, and prevention; Dir. FRANCIS A. ARNOLD, Jr. D.D.S.

National Institute of Neurological Diseases and Blindness: f. 1950; conducts, fosters, and co-ordinates research on the causes, prevention, diagnosis, and treatment of the neurological disorders of mankind; Dir. RICHARD L. MASLAND, M.D.

National Institute of Mental Health: f. 1946; concerned with causes, treatment and prevention of mental illness; conducts an extensive programme of research, training, community services, and education in the mental health area; Dir. ROBERT H. FELIX, M.D.

National Institute of General Medical Sciences: f. 1963; supports a programme of research and training in the health sciences; Dir. CLINTON C. POWELL, M.D.

NATURAL SCIENCES

General

American Association for the Advancement of Science: 1515 Massachusetts Avenue, N.W., Washington 5, D.C.; f. 1848; 90,000 mems.; Exec. Officer DAEL WOLFLE; publs. *Science* (weekly), *Symposium Volumes*.

Battelle Memorial Institute: 505, King Avenue, Columbus 1, Ohio; f. 1929 for the encouragement of scientific research; provides plant, equipment and personnel, so that industrial concerns, individuals or government agencies may contract for its services; 3,200 mems.; library of more than 60,000 vols.; laboratories in Columbus (Ohio), Frankfurt-am-Main, and Geneva; office in London; Pres. B. D. THOMAS; publ. *Battelle Technical Review*.

Buffalo Society of Natural Sciences: Humboldt Park, Buffalo, N.Y. 14211; org. 1861; administers the Buffalo Museum of Science; astronomy, anthropology, biology, botany, conchology, entomology, geology, ornithology, palæontology, primitive and oriental art; zoology; observatory; library; education dept.; lectures.

loan exhibits; Pres. GEORGE F. GOODYEAR; Dir. and Exec. Sec. FRED T. HALL; publ. *Science on the March, Bulletin.*

Carnegie Institution of Washington: 1530 P Street, N.W., Washington, D.C. 20005; f. 1902 "to encourage, in the broadest and most liberal manner, investigation, research and discovery, and the application of knowledge to the improvement of mankind"; Pres. CARYL P. HASKINS; Chair. Board of Trustees JAMES N. WHITE; the Institution has the following Departments:

Mount Wilson and Palomar Observatories: 813 Santa Barbara Street, Pasadena, Calif. 91106, Dir. HORACE W. BABCOCK; Mount Wilson Observatory organised in 1904; unified operation with the Palomar Observatory of the California Institute of Technology began April 1st, 1948.

Geophysical Laboratory: 2801 Upton Street, N.W., Washington, D.C. 20008; f. 1906; Dir. PHILIP H. ABELSON.

Department of Terrestrial Magnetism: 5241 Broad Branch Road, N.W., Washington, D.C. 20015; f. 1904; Dir. MERLE A. TUVE.

Department of Plant Biology: Stanford, Calif.; f. 1903; Dir. C. STACY FRENCH.

Department of Embryology: Wolfe and Madison Streets, Baltimore 5, Maryland 21210; f. 1914; Dir. JAMES D. EBERT,

Genetics Research Unit: Cold Spring Harbor, Box 200, Long Island, N.Y. 11724; f. 1904 (formerly Department of Genetics); Dir. ALFRED D. HERSHEY.

Cranbrook Institute of Science: Bloomfield Hills, Michigan; f. 1930; 3,400 mems.; Dir. ROBERT T. HATT; publs. *Bulletins, News Letters, Annual Reports.*

Franklin Institute of the State of Pennsylvania: Benjamin Franklin Parkway, at 20th Street, Philadelphia 3, Pa.; f. 1824; is one of the oldest institutions in the U.S.A. devoted to the study and promotion of the mechanic arts and applied science; its Committee on Science and Arts awards the "Franklin Medal" and a number of other medals and certificates of merit; its Laboratories for Research and Development specialise in research for industry and government in the field of applied physical sciences; the Bartol Research Foundation (Swarthmore) was established in 1921 to study fundamental problems of physical science; 7,900 mems.; extensive library of science, engineering, and industry, with complete U.S. and British patent specifications; a museum of science and industry which includes a Zeiss planetarium; an observatory open to the public; Pres. W. LAURENCE LEPAGE; Sec. W. F. JACKSON, Jr.; publs. *Journal of the Franklin Institute* (first issued 1826), *Institute News.*

History of Science Society: f. 1924; 1,200 mems.; Sec. JOHN C. GREENE, Dept. of History, Iowa State University, Ames, Iowa; publ. *Isis* (quarterly).

Mellon Institute: Pittsburgh 13, Pennsylvania; f. 1913 by Andrew W. Mellon and Richard B. Mellon; the Institute is an endowed non-profit corporate body for conducting comprehensive investigations on important problems in the fundamental and applied natural sciences, for training research workers, and for providing technical information adaptable to professional, public, and industrial advantage. Its fundamental and applied investigations embrace a variety of practical problems and many sub-areas of chemistry, physics, and technology. In the Research Division of the Institute are 355 employees; in the Administrative Division, 184; and in the Finance Division, 10; the library contains 40,000 vols.; Chair. of Board of Trustees PAUL MELLON; Pres. Dr. PAUL CLIFFORD CROSS; publs. *Mellon Institute News, Industrial Hygiene Digest, Journal of the Air Pollution Control Association APCA Abstracts*, and special bulletins and reprints of papers. During the fiscal year ended Feb. 28th, 1965 the Institute's expenditures for fundamental and applied research amounted to $6.2 million.

National Science Foundation: 1800 G Street, N.W., Washington D.C. 20550; f. 1950; independent agency of the U.S. Government concerned with the support of basic research and education in the sciences; awards grants for investigation, facilities and equipment; provides educational and training opportunities for students, advanced scholars, teachers; supports the development of improved science courses for schools and colleges; promotes the dissemination and exchange of scientific information; administers the U.S. Antarctic Research Program and co-ordinates the weather modification research efforts of the U.S. Government; a 24-member National Science Board (Chair. Dr. ERIC A. WALKER) and a Director (Dr. LELAND J. HAWORTH) develop the plans and policies of the Foundation and guide its operation.

San Diego Society of Natural History: P.O. Box 1390, San Diego 12, Calif.; f. 1874 to further the knowledge of natural history and the conservation of natural resources; 800 mems.; library of 80,000 vols.; Pres. I. NORMAN LAWSON; Sec. and Dir. of Museum Dr. E. YALE DAWSON; Librarian Mrs. AZALEA P. GORBY; publs. *Transactions, Memoirs, Occasional Papers* (irregular).

Society of the Sigma Xi, The: 51 Prospect Street, New Haven, Conn. 06511; f. 1886 for the encouragement of scientific research; over 180,000 mems.; Pres. FREDERICK D. ROSSINI; Pres.-Elect. FARRINGTON DANIELS; Exec. Sec. THOMAS T. HOLME; Treas. HARVEY A. NEVILLE; publs. *American Scientist* (quarterly), *Science in Progress* (biennial volume).

Biological Sciences

American Genetic Association: 1507 M Street, N.W., Washington 5, D.C.; f. 1903; 3,800 mems.; Sec. Dr. W. RALPH SINGLETON; publ. *Journal of Heredity* (bi-monthly).

American Institute of Biological Sciences: 3900 Wisconsin Avenue, N.W., Washington, D.C. 20016; mems.: 42 societies, approx. 70,000 mems.; Pres. Dr. KENNETH V. THIMANN; Exec. Dir. Dr. JOHN R. OLIVE.; publs. *Bioscience* (monthly, circ. 35,000), *The Quarterly Review of Biology* (circ. 3,500).

American Malacological Union: P.O. Box 318, Marinette, Wis.; f. 1931; 800 mems.; Pres. Dr. JUAN PARODIZ; publ. *Report Bulletin* (annual).

American Ornithologists' Union: 1703 Wolverine Tower, Battle Creek, Michigan; 2,600 mems.; Sec. LAWRENCE H. WALKINSHAW; publ. *The Auk.*

American Phytopathological Society: f. 1908; 2,470 mems.; Sec. J. RALPH SHAY, Purdue University, Lafayette, Indiana; publs. *Phytopathological Monographs, Phytopathology, Phytopathological Classics, Plant Pathology, Problems and Progress 1908-1958.*

American Society of Ichthyologists and Herpetologists: Division of Herpetology, U.S. National Museum, Washington, D.C. 20560; f. 1913; 2,300 mems. and subscribers; Sec. JAMES A. PETERS; publ. *Copeia* (quarterly).

American Society of Mammalogists: Oklahoma State University, Stillwater, Okla.; f. 1919, inc. 1920; 2,300 mems.; object of the Society is the promotion of the interest of Mammalogy by holding meetings, issuing serial or other publications, and aiding research; five classes of mems., all elective: Annual, Life, Patron, Honorary and Emeritus; the Society is affiliated with the American Association for the Advancement of Science, the Union of Biological Societies, the National Academy of Science, the American Institute of Biological Sciences, and the International Union for the

Conservation of Nature; Sec.-Treas. Dr. BRYAN P. GLASS; publs. *Journal of Mammalogy* (quarterly) and occasional monographs.

American Society of Naturalists: f. 1883; 655 mems.; Pres. Prof. KENNETH V. THIMANN; Sec. Prof. WARREN P. SPENCER, Wooster College, Wooster, Ohio; publ. *The American Naturalist* (bi-monthly).

American Society of Parasitologists: f. 1925; 1,250 mems.; Sec.-Treas. D. V. MOORE, Microbiological Dept., Southwestern Medical School, University of Texas, Dallas, Texas; publ. *The Journal of Parasitology* (bi-monthly).

American Society of Plant Physiologists: f. 1924; 1,800 mems.; Pres. M. CALVIN; Vice-Pres. S. ARONOFF; Sec. B. STOWE; publ. *Plant Physiology* (6 issues a year).

American Society of Zoologists: f. 1903; 3,046 mems.; Sec. Dr. JOHN W. SAUNDERS, Jr., Dept. of Biology, Marquette Univ., 530 North 15th Street, Milwaukee, Wis. 53233.

Botanical Society of America, Inc.: Dept. of Botany, University of Texas, Austin, Texas; f. 1906; 2,800 mems.; Sec. RICHARD C. STARR; publs. *American Journal of Botany* (monthly), *Plant Science Bulletin* (quarterly).

Ecological Society of America: f. 1915; 2,900 mems.; Sec. STANLEY I. AUERBACH, Radiation Ecology, Oak Ridge National Laboratory, Oak Ridge, Tennessee 37831; publs. *Bulletin, Ecology, Ecological Monographs* (all quarterly).

Entomological Society of America: f. 1953 by the union of the American Association of Economic Entomologists (f. 1889) and the former Entomological Society of America (f. 1906); 5,100 mems.; Exec. Sec. R. H. NELSON, 4603 Calvert Road, College Park, Maryland 20740; publs. *Annals of the Entomological Society of America* (bi-monthly), *Journal of Economic Entomology* (bi-monthly), *Bulletin* (quarterly), Miscellaneous Publications.

Federation of American Societies for Experimental Biology: 9650 Wisconsin Avenue, Washington, D.C. 20014; f. 1912; member societies—American Physiological Society, American Society of Biological Chemists, American Society for Pharmacology and Experimental Therapeutics, American Society for Experimental Pathology, American Institute of Nutrition, American Association of Immunologists; Exec. Officer MILTON O. LEE; publ. *Federation Proceedings*.

Genetics Society of America: c/o The Secretary, Biology Division, California Institute of Technology, Pasadena 4, Cal.

Mycological Society of America: New York Botanical Garden, Bronx, N.Y. 10458; f. 1931; 1,092 mems.; Sec.-Treas. R. P. KORF; publs. *Mycologia* (bi-monthly), *Newsletter* (bi-annually).

National Wildlife Federation: 1412 16th Street, N.W., Washington, D.C. 20036; f. 1936; 2,000,000 assoc. mems.; Pres. Judge LOUIS D. MCGREGOR; Exec. Dir. THOMAS L. KIMBALL; publs. *Conservation News, Conservation Report, National Wildlife Magazine*.

The Nature Conservancy: 2039 K Street, N.W., Washington, D.C. 20006; f. 1946; 7,500 mems.; Pres. Dr. RICHARD H. GOODWIN; publ. *Nature Conservancy News*.

New York Zoological Society: 630 5th Avenue, New York 20, N.Y.; f. 1895; *ca.* 4,500 mems.; Pres. FAIRFIELD OSBORN; Dir. Zool Park WILLIAM G. CONWAY; Dir. New York Aquarium CHRISTOPHER W. COATES; publs. *Zoologica* (quarterly), *Animal Kingdom* (bi-monthly).

Society of Vertebrate Paleontology: Pres. ROBERT H. DENISON, Chicago Natural History Museum, Chicago, Ill.; Sec. and Treas. RAINER ZANGERL, Chicago Natural History Museum, Chicago, Ill.

Wildlife Management Institute: 709 Wire Building, Washington 5, D.C.; inc. 1946; 647 mems.; Pres. Dr. IRA N. GABRIELSON; Vice-Pres. C. R. GUTERMUTH; Sec. DANIEL A. POOK; publs. *Transactions* (annual), *Outdoor News Bulletin* (bi-weekly).

Wildlife Society: Suite 5176, 3900 Wisconsin Avenue, N.W., Washington, D.C. 20016; f. 1937; 5,000 mems.; Exec. Sec. FRED G. EVENDEN; publs. *Journal of Wildlife Management, Wildlife Society News, Wildlife Monographs*.

Mathematics

American Mathematical Society: P.O. Box 6248, Providence, R.I. 02904; f. at Columbia University in 1888 as the New York Mathematical Society; inc. 1923 as American Mathematical Society; membership 11,252; Sec. Prof. JOHN W. GREEN; publs. *Bulletin* (f. 1894, bi-monthly), *Proceedings* (f. 1950, bi-monthly), *Transactions* (f. 1900, bi-monthly), *Mathematical Reviews* (f. 1940, monthly), *Colloquium Publications* (since 1894), *Mathematical Surveys* (since 1943), *Memoirs* (since 1950), *Russian Translations* (since 1955), *Soviet Mathematics—Doklady* (f. 1960, bi-monthly).

Duodecimal Society of America, Inc.: 20 Carlton Place, Staten Island 4, N.Y.; inc. 1944; 103 mems.; Chair. F. EMERSON ANDREWS; Pres. Kingsland Camp; Sec. RALPH H. BEARD; Treas. H. K. HUMPHREY; publ. *The Duodecimal Bulletin* (quarterly).

Institute of Mathematical Statistics: f. 1935; 2,500 mems.; Pres. HERBERT SOLOMON; Sec. GEO. E. NICHOLSON, Jr., University of North Carolina, Chapel Hill, N.C.; publ. *Annals of Mathematical Statistics* (f. 1930, quarterly).

Mathematical Association of America, Inc.: Suny at Buffalo (University of Buffalo), Buffalo, N.Y. 14214; f. 1915; 17,000 mems.; Sec. H. L. ALDER; Exec. Dir. H. M. GEHMAN; publs. *American Mathematical Monthly* (Editor F. A. FICKEN), *Mathematics Magazine* (Editor ROY DUBISCH), also volumes and monographs.

Physical Sciences

Acoustical Society of America: 335 East 45th Street, New York 17, N.Y.; f. 1929; 3,700 mems.; Sec. WALLACE WATERFALL; publ. *Journal* (monthly).

American Association of Petroleum Geologists: Box 979, Tulsa, Oklahoma 74101; f. 1917; 15,000 mems.; Exec. Dir. NORMAN C. SMITH; publ. *Bulletin of American Association of Petroleum Geologists* and special volumes.

American Astronomical Society: University of Illinois Observatory, Urbana, Ill.; f. 1897, inc. 1928; 1,800 mems.; Sec. Prof. G. C. MCVITTIE; publs. *The Astronomical Journal* (was acquired by the Society in 1941; the Council appoints the Editor and three associate editors; present Editors, Dr. DIRK BROUWER and G. M. CLEMENCE, of Yale University Observatory); the Society also collaborates with the University of Chicago in the publication of the *Astrophysical Journal*.

American Chemical Society: 1155 16th Street, N.W., Washington, D.C. 20036; f. 1876; 103,000 mems.; Exec. Sec. B. R. STANERSON; publs. include: *Chemical and Engineering News, Industrial and Engineering Chemistry, Analytical Chemistry, Chemical Abstracts, Journal of Physical Chemistry, Journal of the American Chemical Society, Journal of Agricultural and Food Chemistry, Journal of Organic Chemistry, Journal of Chemical and Engineering Data, Chemical Reviews, Biochemistry, Journal of Chemical Documentation, Chemistry, Inorganic Chemistry, Journal of Medicinal Chemistry, Chemical Titles*.

American Crystallographic Association: f. 1950; 1,300 mems.; Sec. WILLIAM L. KEHL, Gulf Research and Development Co., P.O. Box 2038, Pittsburgh, Pa. 15230.

American Geological Institute: 1444 N Street, N.W., Washington, D.C. 20005; f. 1948; 30,000 mems.; Pres. Dr. A. J. EARDLEY; publs. *Geotimes, International Geological Review.*

American Geophysical Union (of the National Academy of Sciences—National Research Council): Suite 506, 1145 19th Street N.W., Washington D.C., 20036; f. 1919; is the United States National Committee of the Int. Union of Geodesy and Geophysics, has nine sections: Geodesy; Seismology; Meteorology; Geomagnetism and Aeronomy; Oceanography; Volcanology, Geochemistry and Petrology; Hydrology; Tectonophysics; Planetary Science 8,000 mems.; Pres. GEORGE P. WOOLLAND; Gen. Sec. A. NELSON SAYRE; Exec. Sec. WALDO E. SMITH, publs. *Journal of Geophysical Research* (semi-monthly), *Transactions* (quarterly), *Reviews of Geophysics* (quarterly), *Water Resources Research* (quarterly), *Geophysical Monograph Series* (intermittent, seven published), *Antarctic Research Series* (intermittent, three published), English edition of *Izvestiya*, Geophysics Series of Acad. of Sciences, U.S.S.R. (monthly), of *Geodesy and Aerophotography*, U.S.S.R. (bi-monthly), *Geomagnetism and Aeronomy* (bi-monthly, of selected papers in hydrology and oceanography and of the Information Bulletin, Soviet Antarctic Expedition (starting with No. 31).

American Institute of Chemists: 60 E. 42nd Street, New York, N.Y. 10017; f. 1923; approx. 3,000 mems.; Pres. Dr. JOHN L. HICKSON; publ. *The Chemist.*

American Institute of Physics: 335 E. 45th Street, New York 17, N.Y.; f. 1931; a federation of five societies with total membership of approx. 24,000; Dir. ELMER HUTCHISSON; Sec. WALLACE WATERFALL; publ. *The Physics of Fluids.*

American Meteorological Society: f. 1919; inc. 1920, 8,200 mems.; Pres. (1964-65) Dr. PHILIP D. THOMPSON; Exec. Sec. KENNETH C. SPENGLER, 45 Beacon Street, Boston 8, Mass.; publs. *Bulletin, Meteorological Monographs, Meteorological and Geoastrophysical Abstracts, Weatherwise, Journal of the Atmospheric Sciences, Journal of Applied Meteorology, Compendium of Meteorology, Dynamic Meteorology and Weather Forecasting, Glossary of Meteorology, Conference Proceedings, Vilhelm Bjerknes Memorial Volume. The History of American Weather*, educational monographs, translations.

American Microscopical Society: Department of Botany, Michigan State University, East Lansing, Mich.; f. 1878; 578 mems. and 386 subscribers; Sec.-Editor Dr. G. W. PRESCOTT; Custodian, Spencer-Tolles Fund Dr. J. E. ACKERT; publ. *Transactions* (quarterly).

American Nuclear Society: 244E Ogden, Hinsdale, Illinois; f. 1954; for the advancement of science and engineering relating to the atomic nucleus, and of allied sciences and arts, and the integration of the several disciplines constituting nuclear science and technology; nationwide meetings held in June and November to discuss contributed and invited technical papers; topical meetings held three times yearly to review progress in specific areas; eight Divisions: Aerospace; Isotope and Radiation; Mathematics and Computations; Materials Science and Technology; Reactor Operations; Reactor Physics; Remote Systems Technology; Shielding; 24 Local Sections; approx. 6,000 mems., representing over 500 corporations, educational institutions, and government agencies and including 400 overseas mems. in 36 countries; Pres. NORMAN HILBERRY; Vice-Pres. SIDNEY SIEGEL; Treas. JOHN W. LANDIS; Exec. Sec. OCTAVE J. DU TEMPLE; Man. Editor MALCOLM D. FERRIER; publs. *Nuclear Science and Engineering* (monthly), *Nuclear News* (monthly), *Nuclear Applications* (twice a month), *Transactions* (twice yearly June and Nov.), *Proceedings of the Hot Laboratory Division* (yearly); technical monographs.

American Pharmaceutical Association: 2215 Constitution Avenue, N.W., Washington, D.C. 20037; f. 1852; 40,000 mems.; Exec. Dir. Dr. WILLIAM S. APPLE; publs. *Journal of the American Pharmaceutical Assn.* (monthly), *Journal of Pharmaceutical Sciences* (monthly), *National Formulary* (every five years), *The APhA Newsletter* (fortnightly).

American Physical Society: Columbia University, New York 27, N.Y.; f. 1899; 22,000 mems.; Sec. Dr. KARL K. DARROW; publs. *Bulletin, Physical Review, Reviews of Modern Physics.*

American Society of Biological Chemists, Inc.: 9650 Wisconsin Avenue, Washington, D.C. 20014; f. 1906; 2,000 mems.; Exec. Officer R. A. HARTE; publ. *Journal of Biological Chemistry* (monthly).

Eastern North American Region Biometric Society: Pres. G. DARMOIS, University of Paris; Sec. M. J. HEALY.

Electrochemical Society, Inc.: 30 East 42nd Street, New York, N.Y. 10017; f. 1092; approx. 4,000 mems.; Exec. Sec. ERNEST G. ENCK; publ. *Journal* (12 issues annually), *Electrochemical Technology* (6 issues annually) Extended Abstracts of Papers, Special Symposium Reports.

Electron Microscopy Society of America: School of Chemical Engineering, Olin Hall, Cornell University, Ithaca, N.Y. 14850; annual meeting, presenting technical papers and exhibits; 1,500 mems.; Pres. (1966) W. J. FRAJOLA; Sec. M. W. LADD; Exec. Sec. C. G. COCKS.

Geochemical Society: U.S. Geological Survey, Washington, D.C. 20242; f. 1955; Pres. BRIAN H. MASON; Vice-Pres. JULIAN R. GOLDSMITH; Sec. EDWARD C. T. CHAO; publs. *Geochimica et Cosmochimica Acta*, and *Geochemical News.*

Geological Society of America, Inc.: 231 East 46th Street. New York, N.Y. 10017; f. 1888; 1,825 Fellows, 56 Hon. Fellows, total membership 6,638; Exec. Sec. R. C. BECKER; Man. Editor BARBARA FLYNN; publs. *Bulletin* (monthly), *Special Papers* (irregularly), *Memoirs* (93), *Bibliography and Index of Geology Exclusive of North America* (annual), *Treatise on Invertebrate Paleontology* (24 vols.).

Mineralogical Society of America: Div. of Mineralogy, U.S. National Museum, Washington 25, D.C.; f. 1920; 2,100 mems.; Pres. C. S. HURLBUT, Jr.; Sec. Dr. GEORGE SWITZER; publ. *The American Mineralogist* (bimonthly).

National Audubon Society: 1130 5th Avenue, New York 28, N Y f 1905; membership: approx. 40,000 adult mems., 250,000 junior mems. annually; 300 branch and affiliated clubs; Pres. CARL W. BUCHHEISTER; Sec. Dr. OLIN SEWALL PETTINGILL, Jr.; publs. *Audubon Magazine* (bi-monthly), *Audubon Field Notes* (bimonthly), miscellaneous bulletins.

Oak Ridge Institute of Nuclear Studies, Inc.: P.O. Box 117, Oak Ridge, Tenn.; corporation of 40 southern U.S. universities operating under contract with U.S. Atomic Energy Commission to participate in and support the nation's atomic energy programme.

Paleontological Society: f. 1909; 1162 mems.; Sec. R. L. LANGENHEIM, Jr., Department of Geology, University of Illinois, Urbana, Ill. 61803; publ. *Journal of Paleontology.*

Seismological Society of America: 465 California Street, San Francisco, Calif.; f. 1906; 1,108 mems.; Sec. KARL V. STEINBRUGGE; publ. *Bulletin* (bimonthly).

Society of Economic Geologists: Department of Geology, Princeton University, Princeton, N.J. 08540; f. 1920; Pres. HENRY C. GUNNING; Vice-Pres. ELBURT F. OSBORN; Sec. J. O. KALLIOKOSKI; publ. *Economic Geology.*

Society of Economic Paleontologists and Mineralogists: P.O. Box 979, Tulsa, Okla. 74101; f. 1926; 1,125 mems.; Sec.-Treas. DORIS MALKIN CURTIS; publs. *Journal of Paleontology* (bi-monthly), *Journal of Sedimentary Petrology* (quarterly).

PHILOSOPHY AND PSYCHOLOGY

American Philosophical Association: f. 1900; 2,267 mems.; Pres. CHARLES A. BAYLIS; Sec. LEWIS E. HAHN, PH.D., Southern Illinois University, Carbondale, Illinois 62903.

American Psychological Association: f. 1892; 20,989 mems.; Exec. Officer ARTHUR H. BRAYFIELD, 1333 16th Street, N.W., Washington 6, D.C.

The Metaphysical Society of America: c/o Secretary-Treasurer, ROBERT N. BECK, Clark University, Worcester, Mass.; f. 1950; to study metaphysical problems without regard to professional, racial, religious and regional boundaries; Pres. ROBERT S. BRUMBAUGH.

Psychometric Society: Psychometric Laboratory, University of N. Carolina, Chapel Hill, N.C.; f. 1935; 700 mems.; Managing Editor Dr. LYLE V. JONES; publ. *Psychometrica* (quarterly).

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

African Studies Center: University of California, Los Angeles; center for the co-ordination of scholarship on Africa in the social sciences and humanities, and for graduate training on Africa; Dir. Prof. J. S. COLEMAN.

American Anthropological Association: 1530 P. Street, N.W., Washington 5, D.C.; f. 1902; 2,600 mems.; 1,100 Fellows; Sec. STEPHEN T. BOGGS; publs. *The American Anthropologist*, *Memoirs*, *Fellow Newsletter*.

American Asiatic Association: India House, 1 Hanover Square, New York 4, N.Y.; f. 1898; 46 mems.; Pres. M. ZUCKERMAN; Sec. D. G. ALLEN, c/o Manufacturers Hanover Trust Co., 44 Wall Street, New York 4, N.Y.

American Ethnological Society, Inc.: f. 1842; 625 mems.; Sec. NATHALIE F. S. WOODBURY, United States National Museum, Washington, D.C. 20560; Pres. MUNRO EDMONSON.

American Eugenics Society, Inc.: 230 Park Avenue, New York 17, N.Y.; f. 1926; 500 mems.; Pres. Dr. HARRY L. SHAPIRO; Sec. FREDERICK OSBORN; publ. *Eugenics Quarterly*.

American Folklore Society, Inc.: Bennett Hall, University of Pennsylvania, Philadelphia 4, Pa.; f. 1888; 1,600 mems.; Sec. TRISTRAM P. COFFIN; publs. *Journal of American Folklore* (quarterly), *Memoirs of American Folklore*, *Bibliographical Series*, *Special Series*.

American Oriental Society: 329 Sterling Memorial Library; Yale Station, New Haven, Conn.; f. 1842; Sec. FERRIS J. STEPHENS.

American Personnel and Guidance Association: 1605 New Hampshire Avenue, N.W., Washington, D.C. 20009; f. 1952; 20,000 mems.; seven divisions: American College Personnel Association, Association for Counselor Education and Supervision, National Vocational Guidance Association, Student Personnel Association for Teacher Education, American School Counselor Association, American Rehabilitation Counseling Association; Association for Measurement and Evaluation in Guidance; Pres. Dr. C. WINFIELD SCOTT; Exec. Dir. Dr. ARTHUR A. HITCHCOCK; publ. *The Personnel and Guidance Journal*.

American Sociological Association: 1755 Massachusetts Avenue, N.W., Washington, D.C. 20036; f. 1905; 8,200 mems.; Sec. ROBIN M. WILLIAMS, Jr.; Exec. Officer EDMUND H. VOLKART; publ. *The American Sociological Review* (bi-monthly), *Sociometry* (quarterly), *Sociology of Education* (quarterly), *The American Sociologist* (quarterly).

American Studies Association: University of Pennsylvania, Philadelphia 4, Penn.; f. 1951; research and teaching in the field of U.S. culture, civilisation, literature and society; 1,800 individual mems., 1,000 institutions; Pres. RALPH GABRIEL; Exec. Sec. CHARLES BOEWE; publs. *American Quarterly*, *American Studies*.

Association for Asian Studies: 48 Lane Hall, University of Michigan, Ann Arbor, Mich.; f. 1941; publ. *Journal of Asian Studies*.

Association for the Study of Negro Life and History, Inc.: 1538 Ninth Street, N.W., Washington 1, D.C.; f. 1915; 10,775 mems.; Pres. CHARLES H. WESLEY; Sec.-Treas. ALBERT N. D. BROOKS; publs. *Negro History Bulletin* (monthly), *Journal of Negro History* (quarterly).

Council on Foreign Relations, Inc.: 58 East 68th Street, New York 21, N.Y.; f. 1921; 1,400 mems.; Chair JOHN J. MCCLOY, Pres. HENRY M. WRISTON; Sec. FRANK ALTSCHUL; Exec. Dir. GEORGE S. FRANKLIN; publs. *Foreign Affairs* (quarterly), *United States in World Affairs* (annual), *Documents on American Foreign Relations* (annual), *Political Handbook of the World* (annual), also many publs. on specific international questions.

Duke Endowment: 30 Rockefeller Plaza, New York, N.Y.; f. 1924; to promote the physical, mental and spiritual welfare of residents of the South; grants are made to Duke University, schools, hospitals, Methodist Churches, etc.; Chair. GEORGE G. ALLEN; Vice-Chair. NORMAN A. COCKE, ALEX H. SANDS, Jr.; Sec. PHILIP B. HEARTT; Treas. RANDOLPH E. DUMONT.

Eastern Sociological Society: a regional affiliate of the American Sociologist Association; f. 1930; 1,000 mems.; Sec. Dr. I. P. GELLMAN, Dept. of Sociology, New York University, New York 3, N.Y.

Foreign Policy Association, Inc.: 345 East 46th Street, New York 17, N.Y.; f. 1918; object: to promote community organisations for world affairs education, to provide assistance to such local organisations through a national service centre and regional offices, and to advance public understanding of foreign policy problems through national programmes and publications of a non-partisan character based upon the principles of freedom, justice and democracy; Chair. of Nat. Bd. of Dirs. EMILE S. SOUBRY; publs. *Headline Series* (bi-monthly), *Intercom* (6 times a year).

Latin American Studies Center: Bolívar House, 532 Alvarado Row, Stanford University, Stanford, California; Chair. of Committee on Latin American Studies Dr. A. KIMBALL ROMNEY.

Mediæval Academy of America: 1430 Massachusetts Avenue, Cambridge 38, Massachusetts; inc. 1925; f. for the conduct, encouragement, promotion, and support of research, publication, and instruction in mediæval records, literature, languages, art, archæology, history, philosophy, science, life, and all other aspects of medieval civilisation; Pres. ALBERT C. BAUGH; Treas. JOHN NICHOLAS BROWN; Clerk TAYLOR STARCK; Exec. Sec. and Editor of *Speculum* VAN COURTLANDT ELLIOTT; publs. *Speculum: A Journal of Mediæval Studies* (quarterly), *Publications of the Mediæval Academy of America*, Vols. 1 to 77.

Middle East Institute: 1761 N Street, N.W., Washington D.C. 36; f. 1946; objects: to develop and maintain facilities for research, publication, and teaching, with a view to developing in the United States a more thorough understanding of the countries of the Middle East; the Institute holds an annual conference on Middle East affairs; 850 mems.; Pres. KERMIT ROOSEVELT; Sec.-Trea. FRANCIS BOARDMAN; Dir. of Publs. and Exec. Dir. WM. SANDS; publ. *The Middle East Journal* (quarterly).

National Association for the Advancement of Colored People: 20 West 40th Street, New York 18, N.Y.; f. 1909; 500,000 mems.; Pres. and Chair. Board of Dirs. Bishop STEPHEN G. SPOTTSWOOD; Exec. Dir. ROY WILKINS; publ. *The Crisis* (ten issues annually).

National Institute of Social Sciences: 271 Madison Avenue, New York 16, N.Y.; f. 1899; 450 mems.; Sec. Miss ROSINA HAHN.

Pacific Sociological Association: University of Oregon, Eugene, Oregon 97403; 750 mems.; Pres. MELVIN SEEMAN, Department of Sociology and Anthropology, University of California at Los Angeles, California; Sec.-Treas. ROBERT A. ELLIS, University of Oregon; publ. *Pacific Sociological Review*.

Population Association of America, Inc.: Providence, R.I.; f. 1932; 500 mems.; Sec. Dr. KURT MAYER, Dept. of Sociology and Anthropology, Brown Univ. of Providence, Rhode Island; publ. *Population Index*.

The Population Council, Inc.: 230 Park Avenue, New York, N.Y. 10017; Bio-Medical Division, The Rockefeller Institute, York Avenue at 66th Street, New York, N.Y. 10021; f. 1952; advance of knowledge in broad field of population by fostering research, training and technical consultation and assistance in the social and bio-medical sciences; Chair. Board of Trustees JOHN D. ROCKEFELLER 3rd.; Pres. FRANK W. NOTESTEIN; Vice-Pres. BERNARD BERELSON; Demographic Dir. DUDLEY KIRK; Bio-Medical Dir. SHELDON J. SEGAL; Technical Assistance Dir. Dr. RICHMOND ANDERSON; publs. *Annual Reports, Studies in Family Planning*.

Russell Sage Foundation: 230 Park Avenue, New York, N.Y. 10017; inc. 1907; established by Mrs. Russell Sage for promoting the improvement of social and living conditions in the United States; the Foundation conducts a programme of studies directed toward increasing the utilisation of results of social science research by practitioners in all fields of social practice; Chair. ELI WHITNEY DEBEVOISE; Pres. ORVILLE G. BRIM, Jr.; Treas. DAVE H. MORRIS, Jr.; Sec. LEONARD S. COTTRELL, Jr.; publs. reports of its studies, *Annual Report and Catalogue* (available on request).

Society for Applied Anthropology: Rand Hall, Cornell University, Ithaca, N.Y. 14850; f. 1941; 3,000 mems.; Pres. OMER STEWART; publ. *Human Organization* (quarterly).

TECHNOLOGY

American Association of Engineers, 8 South Michigan Avenue, Chicago 3, Ill.; f. 1915; 8 500 mems.; library of 750 vols.; Pres. Col. WALTER R. JEFFREY; Nat. Sec. M. E. McIVER; publ. *Professional Engineer* (quarterly).

American Institute of Aeronautics and Astronautics: 1290 Avenue of the Americas, N.Y.; f. 1963 (formerly the Institute of the Aerospace Sciences and the American Rocket Society); 32,000 professional, 4,000 student mems.; Exec. Sec. S. PAUL JOHNSTON; publs. *Astronautics and Aerospace Engineering, AIAA Journal, International Aerospace Abstracts* (monthly).

American Institute of Chemical Engineers: 345 East 47th Street, New York 17, N.Y.; f. 1908; 30,000 mems.; Sec. F. J. VAN ANTWERPEN; publs. *A.I.Ch.E. Journal* (bi-monthly), *Chemical Engineering Progress* (monthly), *International Chemical Engineering* (quarterly), Monograph and Symposium Series.

American Institute of Consulting Engineers: United Engineering Center, 345 East 47th Street, New York 17, N.Y.; f. 1910; 353 mems.; Sec. THEODORE T. McCROSKY; publs. *Directory and Proceedings, Consulting Engineering*.

American Institute of Mining, Metallurgical and Petroleum Engineers, Inc.: 345 East 47th Street, New York 17, N.Y.; f. 1871; 38,780 mems.; Pres. KARL L. FETTERS; Gen. Sec. R. WM. TAYLOR; Dir. of Library RALPH H. PHELPS; publs. *Mining Engineering, Journal of Metals, Journal of Petroleum Technology* (bi-monthly), *Transactions of the Metallurgical Society of AIME, Society of Petroleum Engineers Journal* (quarterly), *Society of Mining Engineers Transactions* (quarterly).

American Iron and Steel Institute: 150 East 42nd Street, New York 17, N.Y.; Pres. JOHN P. ROCHE; Vice-Pres. and Sec. GEORGE S. ROSE.

American Society of Agricultural Engineers: Saint Joseph, Michigan; f. 1907; 6,100 mems.; Sec. JIMMY L. BUTT; publs. *Agricultural Engineering* (monthly), *Agricultural Engineers' Yearbook* (annual), *Transactions of the A.S.A.E.* (quarterly).

American Society for Engineering Education: 11,700 mems.; for the advancement of education in engineering and allied branches of science and technology; Exec. Sec. W. LEIGHTON COLLINS, Dupont Circle Bldg., 1346 Connecticut Avenue, N.W. Washington, D.C. 20036; publ. *Journal of Engineering Education*.

American Society for Metals: Metals Park, Novelty, Ohio; f. 1920; 35,000 mems.; Man. Dir. A. R. PUTNAM, publs. *Metal Progress* (monthly), *Metals Review* (monthly), *ASM Review of Metal Literature* (monthly and annual), *Metals Engineering Quarterly, Transactions Quarterly, Transactions* (annual), *Metals Handbook*.

American Society for Testing Materials: 1916 Race Street, Philadelphia 3, Pa.; inc. 1902; 13,000 mems.; Pres. F. L. LAQUE; Exec. Sec. T. A. MARSHALL, Jr.; publs. *Bulletin* (eight per year), *Proceedings* (annually), *Book of ASTM Standards* (tri-ennially).

American Society of Civil Engineers: 345 East 47th Street, New York 17, N.Y.; f. 1852; 54,968 mems.; Exec. Sec. WILLIAM H. WISELY; publs. *Proceedings* (monthly), *Transactions* (annually), *Civil Engineering* (twelve times a year).

American Society of Heating, Refrigerating and Air-Conditioning Engineers, Inc.: 345 East 47th Street, New York, N.Y. 10017; f. 1959 by merger of the American Society of Heating and Air Conditioning Engineers and the American Society of Refrigerating Engineers; approx. 18,000 mems.; Exec. Sec. R. C. CROSS; publs. *ASHRAE Journal* (monthly), *Guide and Data Book* (annual), *Standards, Transactions* (annual).

The American Society of Mechanical Engineers: United Engineering Center, 345 East 47th Street, New York N.Y. 10017; f. 1880; 49,248 mems.; Pres. HENRY N. MULLER; Exec. Dir. and Sec. O. B. SCHIER II; publs. *Mechanical Engineering* (monthly), *Applied Mechanics Reviews* (monthly), Transactions (divided into five periodicals, each published quarterly): *Journal of Engineering for Power, Journal of Engineering for Industry, Journal of Basic Engineering, Journal of Applied Mechanics, Journal of Heat Transfer*.

The American Society of Naval Engineers, Inc.: 1012 14th Street, Suite 403, N.W., Washington, D.C. 20005; f. 1888; 3,600 mems.; Pres. Rear-Admiral JOHN H. McQUILKIN, U.S.N.; Sec.-Treas. Capt. JAMES E. HAMILTON, U.S.N., retd.; publ. *Naval Engineers Journal*.

American Society of Photogrammetry: 6269 Leesburg Pike, Falls Church, Va.; f. 1934; 4,000 mems.; Pres. GOMER T. MCNEIL; publs. *Newsletter* (bi-monthly), *Photogrammetric Engineering* (annual).

Association of Consulting Chemists and Chemical Engineers, Inc.: 501 Fifth Avenue, New York 17, N.Y.; f. 1928; 125 mems.; Exec. Sec. H. A. LONG, Jr.; publ. *Consulting Services*.

American Welding Society: 345 East 47th Street, New York, N.Y. 10017; f. 1919; 16,100 mems.; library of 190,000 vols.; Pres. J. BLAND; publs. *Welding Journal* (monthly), *Welding Handbook* (annual).

Edison Electric Institute: 750 Third Avenue, New York 17, N.Y.; f. 1933; mems. 200 companies; Man. Dir. EDWIN VENNARD.

Engineering Foundation: 345 East 47th Street, New York, N.Y. 10017; f. 1914 to administer trust funds for the furtherance of research in science and engineering and the advancement in any other manner of the profession of engineering and the good of mankind; Sec. JOHN A. ZECCA; publs. *Annual Reports*.

Illuminating Engineering Society: 345 East 47th Street, New York 17, N.Y.; ;. 1906; 10,504 mems.; Managing Dir. A. D. HINCKLEY; publ. *Illuminating Engineering*.

Institute of Electrical and Electronics Engineers, Inc.: 345 East 47th Street, New York, N.Y. 10017; f. 1884; 145,000 mems.; Gen. Man. DONALD G. FINK; publs. *IEEE Spectrum* (monthly), *Proceedings of IEEE* (monthly), *IEEE Transactions* (periodical), *International Convention Record, IEEE Journal of Quantum Electronics* (both annual).

Institute of Food Technologists: 176 West Adams Street, Chicago, Ill. 60603; f. 1939; 8,260 mems.; Pres. Dr. MAYNARD A. JOSLYN; publs. *Food Technology* (monthly), *Journal of Food Science* (bi-monthly).

Instrument Society of America: Penn-Sheraton Hotel, 530 William Penn Place, Pittsburgh, Pa. 15219; f. 1946; 16,000 mems.; Dir. H. S. KINDLER; publs. *Journal, Automation and Remote Control, Measurement Techniques, Industrial Laboratory* (all monthly), *Instruments and Experimental Techniques* (bi-monthly), *Transactions* (quarterly).

Mining and Metallurgical Society of America: 11 Broadway, New York 4, N.Y.; Pres. FRANCIS CAMERON.

National Association of Power Engineers, Inc.: 176 West Adams Street, Suite 1411, Chicago 3, Ill.; f. 1882; 13,500 mems.; Pres. HARRY R. APPLEGATE; Sec. WILLIAM S. CODY; publ. *National Engineer* (monthly).

National Bureau of Standards, The: Washington 25, D.C.; f. 1901; by Act of Congress to provide assistance to industry, Government and educational institutes; Dir. Dr. A. V. ASTIN; re-organised 1964 into four institutes:

Institute for Basic Standards: to provide a complete system of physical measurement; research divisions covering electricity, meteorology, heat, radiation physics, mechanics, applied mathematics, atomic physics, physical chemistry, astrophysics, radio physics and radio engineering; operates Office of Standard Reference Data.

Institute for Materials Research: divisions of analytical chemistry, polymers, metallurgy, inorganic materials, reactor radiation and cryogenics.

Institute for Applied Technology: includes Building Research Division, Textile and Apparel Technology Center, Information Technology Division, Instrumental Division, Transportation Analysis; contains Office of Technical Services, operating Clearinghouse for Federal Scientific and Technical Information; Office of Industrial Services, Office of Weights and Measures and Office of Engineering.

Central Radio Propagation Laboratory: Boulder, Colorado; research on basic radio propagation phenomena; central government agency for collection of, analysis and dissemination of information on propagation of radio waves of all frequencies along the surface of the earth, in the atmosphere and in outer space; operates divisions of Ionosphere Research and Propagation, Troposphere and Space Telecommunications, Radio Systems and Upper Atmosphere and Space Physics.

For Library *see under* Department of Commerce; Libraries.

National Society for the Study of Communication: f. 1950; 550 mems.; Exec. Sec. R. WAYNE PACE, Speech Arts Bldg., Fresno State College, Fresno, Calif. 93726; publs. *The Journal of Communication, The NSSC Newsletter*.

Society for the History of Technology: Case Institute of Technology, Cleveland, Ohio 44106; f. 1958; concerned with history of technological devices and processes, relations of technology with science, politics, social change, the arts and humanities, and economics; affiliated to the American Association for the Advancement of Science; 1,400 mems.; Pres. Dr. PETER F. DRUCKER; Sec. Dr. MELVIN KRANZBERG; publ. *Technology and Culture* (quarterly).

Society of Automotive Engineers, Inc.: 485 Lexington Avenue, New York, N.Y. 10017; f. 1905; 25,728 mems.; Sec. and Gen. Manager JOSEPH GILBERT, publs. *S.A.E. Transactions, S.A.E. Handbook* (annuals).

Society of Naval Architects and Marine Engineers: 74 Trinity Place, New York 6, N.Y.; f. 1893; approx. 7,500 mems.; Sec. Capt W. N. LANDERS, U.S.N. (Rtd.).

United Engineering Trustees, Inc.: 345 East 47th Street, New York, N.Y. 10017; f. 1904 as a joint corporate agency of the major national engineering societies, to administer substantial trust funds for the advancement of the engineering arts and sciences, including ownership and administration of Engineering Societies Library, Engineering Foundation, United Engineering Center, and several awards; Sec. and Gen. Man. JOHN A. ZECCA.

RESEARCH INSTITUTES

Agriculture and Veterinary Science

Agricultural Research Institute: 2101 Constitution Avenue, N.W., Washington 25, D.C.; f. 1951; 168 mems.; Sec. R. E. Krauss; publs. *Reporter* (bi-monthly), *Proceedings* (annual).

Council for Agricultural and Chemurgic Research: 350 Fifth Avenue, New York 1; f. 1935; to further the industrial use of agricultural produce and to devise and promote the raising of new crops for industry; 3,800 mems.; Chair. D. O. Andreas; publ. *Chemurgic Digest* (eight per year).

Forest Products Research Society: 417 North Walnut Street, Madison, Wis. 53705; f. 1947; 4,200 mems. from 62 countries; Pres. C. M. Kreider; publ. *Journal* (monthly).

Bibliography and Library Science

Institute for Scientific Information: 325 Chestnut Street, Philadelphia, Pa. 19106; f. 1960; Dir. Dr. Eugene Garfield; publs. *Science Citation Index, Current Contents of Chemical, Pharmaco-Medical and Life Sciences, Current Contents of Space, Electronic and Physical Sciences, Index Chemicus, Automatic Subject Citation Alert (ASCA), Encyclopaedia Chimica Internationalis.*

National Federation of Science Abstracting and Indexing Services: 324 East Capitol Street, Washington, D.C. 20003; f. 1958; 22 mems.; Pres. Carolyn M. Flanagan; Vice-Pres. Foster D. Smith; publ. *News from Science Abstracting and Indexing Services.*

Economics, Law and Politics

Brookings Institution: 1775 Massachusetts Avenue, N.W., Washington, D.C. 20036; f. 1927; economic and political research; seminars for management; Pres. Robert D. Calkins; Sec. Edna M. Birkel.

Middle American Research Institute, Tulane University: New Orleans, Louisiana 70118; f. 1924; for research, education, and public service in the field of Middle American relations; supports publication, excavation and restoration projects; Dir. Robert Wauchope.

National Bureau of Economic Research: 261 Madison Avenue, New York 16, N.Y.; f. 1920; 44 Dirs.; Dir. of Research Geoffrey H. Moore; Exec. Dir. Douglas H. Eldridge; Sec. William J. Carson.

Scripps Foundation for Research in Population Problems: Maimi University, 218 Harrison Hall, Oxford, Ohio 45056; f. 1922; 8 mems.; library of 6,000 vols.; Acting Dir. William F. Cottrell.

Education

American Educational Research Association: 1201 16th Street, N.W., Washington, D.C. 20036; f. 1915; Exec. Officer Richard A. Dershimer.

History, Geography and Archæology

Foundation for Reformation Research: 6477 San Bonita Avenue, St. Louis, Mo. 63105; f. 1957; microfilm library of original MSS and printed materials of the 15th and 16th centuries; reference; Exec. Dir. Dr. Alfred O. Fuerbringer.

Institute of Polar Studies: Ohio State University, Columbus, Ohio 43210; f. 1960; 30 mems.; library of 5,000 vols.; Dir. Dr. Colin B. Bull.

National Oceanographic Data Center: Washington, D.C. 20390; f. 1961; Dir. W. C. Jacobs; publ. *Newsletter* (monthly).

School of American Research: Box 1554, Santa Fé, New Mexico; f. 1907; sponsors research in archaeology and allied sciences; extensive collections in archaeology, ethnology and art; Chair. John Gaw Meem; Vice-Chair. Henry R. Hoyt; Sec. Oliver Seth; Treas. Parker Wilson.

Medicine

Aerospace Medical Association: Washington National Airport, Washington 1, D.C.; f. 1929; advancement of Aerospace Medicine, Life Sciences and Bio-astronautics; annual awards; Exec. Vice-Pres. William J. Kennard; publs. *Aerospace Medicine* (monthly) and *News Letter.*

American Association for Cancer Research, Inc.: The Institute for Cancer Research, 7701 Burholme Avenue, Fox Chase, Philadelphia 19111, Penn.; f. 1907; mems. 1,329; Sec.-Treas. Hugh J. Creech; publ. *Cancer Research.*

American Federation for Clinical Research: 2000 P Street, N.W., Suite 305, Washington, D.C. 20036; f. 1940; 5,000 mems.; Pres. Richard J. Havel; publ. *Clinical Research* (quarterly).

Association for Research in Nervous and Mental Disease, Inc.: 700 West 168th Street, New York 32; f. 1920; 900 mems.; Treas. R. J. Masselink.

Association for Research in Ophthalmology, Inc.: 10515 Carnegie Avenue, Cleveland 6, Ohio; f. 1929; 1,400 mems.

Radiation Research Association: Biology Department, American University, Washington D.C.; f. 1952; 1,210 mems.; Pres. A. C. Upton; Exec. Sec. Falconer Smith; publ. *Radiation Research* (monthly).

Society for Pediatric Research: f. 1929; Sec.-Treas. Dr. William B. Weil, Jr., Dept. of Pædiatrics, University of Florida College of Medicine, Gainsville, Florida; publ. *The Society for Pediatric Research Program and Abstracts* (annually).

Natural Sciences

Arthur J. Dyer Observatory: Vanderbilt University, Nashville, Tenn.; f. 1952; specialises in research on structure of the Milky Way, photo-electric photometry of variable stars and image-intensification; equipped with combination 24-in. reflecting and Baker-Schmidt telescope; Dir. Robert H. Hardie; publ. *Reprints Series.*

Association of Universities for Research in Astronomy, Inc.: 950 North Cherry Avenue, Tucson, Ariz.; f. 1957; operates the Kitt Peak National Observatory, Arizona; library of 2,200 vols.

High Altitude Observatory: P.O. Box 1558, Boulder, Colo.; f. 1947; 80 mems.; Dir. John W. Firor; publs. *Reports, Preliminary Report of Solar Activity* (weekly), *Solar Activity.*

Institute of Basic Research in Science: University of California, Berkeley, Calif.; f. 1956.

National Radio Astronomy Observatory: Post Office Box 2, Green Bank, West Virginia; f. 1956; research in radio astronomy, using a variety of radio telescopes, the largest of which is a 300-foot diameter parabolic reflector on a transmit mount; operated by Associated Universities, Inc. under contract with the National Science Foundation of Washington; 20 scientists; library of 5,000 vols.; Dir. Dr. D. S. Heeschen; Deputy Dir. J. W. Findlay.

The New York Botanical Garden: Bronx Park, Bronx 58, New York; 230 acres of gardens, plant collections and wild areas, including an acre of greenhouses. Museum

building includes 65-exhibit display, 20,000 piece paleobotany collection, 3 million specimen herbarium; library of 65,000 vols.; Dir. Dr. WILLIAM C. STEERE; Librarian ROBERT JONES; publs. *Garden Journal, Economic Botany, Mycologia, Botanical Review, North American Flora, Memoirs* and *Brittonia*.

Paleontological Research Institution: 109 Dearborn Place, Ithaca, N.Y.; f. 1932; 200 mems.; library of 11,600 vols.; Dir. Dr. KATHERINE PALMER; publs. *Bulletins of American Paleontology, Palæontographica Americana, etc.*

Salk Institute for Biological Studies: San Diego, Calif.; f. 1960; Pres. and Chief Exec. Officer Dr. AUGUSTUS B. KINZEL; Dir. Dr. JONAS E. SALK; publ. *News Abstract* (quarterly).

The Scienctific Research Society of America: 51 Prospect Street, New Haven, Conn.; f. 1947 for the encouragement of scientific research, particularly industrial and governmental laboratories; approx. 11,000 mems.; Dir. Dr. DONALD B. PRENTICE; publs. as for Sigma Xi.

Society for Experimental Biology and Medicine: 630 West 168 St., New York 32, N.Y.; f. 1903; 3,557 mems. plus 3,318 subscribers; Sec. and Chief Editor W. S. ROOT; publ. *Proceedings* (monthly).

United States Naval Observatory: 34th and Massachusetts Avenue, N.W., Washington, D.C. 20390; f. 1830; library of 50,000 vols.; Superintendent Capt. JOSEPH M. MCDOWELL; publs. *American Ephemeris and Nautical Almanac, Nautical Almanac, Air Almanac, Astronomical Phenomena, Ephemeris* (all annual).

PHILOSOPHY AND PSYCHOLOGY

American Society for Psychical Research, Inc.: 880 5th Avenue, New York 21; f. 1885; 900 mems.; library of 6,000 vols.; Exec. Sec. ADELE WELLMAN; publ. *Journal* (quarterly).

RELIGION, SOCIOLOGY AND ANTHROPOLOGY

American Schools of Oriental Research: Drawer 93A, Yale Station, New Haven, Conn.; f. 1900; approx. 900 mems.; Pres. A. HENRY DETWEILER; Sec. JAMES B. PRITCHARD, University of Pennsylvania; Schools in Jerusalem and Baghdad; publs. *Biblical Archæologist* (quarterly), *Bulletin* (quarterly), *Journal of Cuneiform Studies* (quarterly), *The Annual*.

Social Science Research Council: 230 Park Avenue, New York, N.Y. 10017; f. 1923; seven affiliated societies; Pres. PENDLETON HERRING; publ. *Social Science Research Council Items* (quarterly).

Wenner-Gren Foundation for Anthropological Research, Inc. (formerly The Viking Fund, Inc.): 14 East 71st Street, New York 21, N.Y.; inc. 1941; promotes and supports research in anthropology and related sciences; Dir. of Research LITA OSMUNDSON.

TECHNOLOGY

Building Research Institute: 1725 De Sales Street, N.W., Washington, D.C. 20036; f. 1962; Pres. ROBERT W. CUTLER; Sec. MILTON C. COON; publs. *Building Research* (bi-monthly), *Building Science Directory* (annual).

Industrial Research Institute, Inc.: 100 Park Avenue, New York 17, N.Y.; f. 1938; 180 mems.; Sec.-Treas. C. G. WORTHINGTON; publ. *Research Management* (quarterly).

Reaction Research Station: P.O. Box 1101, Glendale 5, Calif.; f. 1943; aids in the development of reaction propulsion and its applications; 100 mems.; publ. *News* (irregular).

Stanford Research Institute: 333 Ravenswood Avenue, Menlo Park, California 94025; f. 1946; centre for diversified research into industry and pure and applied science; 5,000 completed projects; laboratory at South Pasadena for economic, physical science and agricultural research; brs. at Washington D.C., New York City, Detroit, Huntsville, Zürich and Tokyo; Pres. KARL FOLKERS; Vice-Pres. WELDON B. GIBSON.

Textile Research Institute: Princeton, N.J.; f. 1930; 350 mems.; library of 1,500 vols.; publs. *Textile Research Journal* (monthly), *Institute Membership News* (quarterly).

LIBRARIES

There are many thousands of libraries in the United States, ranging from the small town library of a few hundred volumes to the library in the large city where the number may be reckoned in millions. As limitation of space makes it impossible to list all these, we give a selection classified as follows:

- (*a*) *Special Libraries.*
- (*b*) *Government Department Libraries.*
- (*c*) *Specialised Libraries attached to Associations and Societies.*
- (*d*) *Selected University Libraries.*
- (*e*) *Selected Public Libraries.*
- (*f*) *Library Associations.*

SPECIAL LIBRARIES

The Dag Hammarskjöld Library: United Nations, New York City; dedicated 1961; includes the Woodrow Wilson collection of books and documents presented to the United Nations in 1950.

Dumbarton Oaks Research Library and Collection: 1703 32nd Street, Washington 7, D.C.; given to the President and Fellows of Harvard College in 1940 by Mr. and Mrs. Robert Woods Bliss and incorporated in the District of Columbia as Trustees for Harvard University; the Library and Collection form a research centre for study in early Christian, Byzantine and Medieval Civilization; Professors and Fellows are appointed by Harvard University; research library of over 55,000 volumes; the Collection is devoted primarily to Early Christian and Byzantine art, and includes ivories, silver, bronzes, jewellery, textiles, and some scupture; Dir. JOHN S. THACHER, A.B., D.PHIL.; Dir. of Studies Prof. ERNST KITZINGER, D.PHIL.

Folger Shakespeare Library: Washington 3, D.C.; dedicated 1932; collections comprise: the world's largest collection of original editions and reprints of Shakespeare; slightly more than 50 per cent of the extant titles of English Renaissance books, 1475-1640; one of the most significant collections in the Western Hemisphere for the study of British civilisation between 1500 and 1700; Continental books of 16th and 17th centuries; 185 vols. 18th-century Strozzi MSS.; a Dryden collection; English plays, 1641-1700; about 100,000 books of 18th, 19th and 20th centuries, dealing with the Elizabethan age; approximately 250,000 play bills; some 50,000 MSS. of 16th and 17th centuries relating to the life and times of Shakespeare; approximately 50,000 literary and theatrical prints and engravings; administered by Trustees of Amherst College; Dir. Dr. LOUIS BOOKER WRIGHT.

Franklin D. Roosevelt Library: Hyde Park, New York 12538; dedicated 1941; manuscripts, photographs,

printed and museum materials concerning Franklin D. Roosevelt's career and period, incl. 9,000 cu. ft. of his papers, many papers of his contempories and associates, administered by the Archivist of the United States, WAYNE C. GROVER; 80,000 photographs; 36,000 books; 43,000 other printed items; Dir. ELIZABETH B. DREWRY.

Harry S. Truman Library (National Archives and Records Service): Independence, Missouri; Truman administration; history and nature of the Presidency; 25,000 vols.; Dir. PHILIP C. BROOKS; Librarian LEOTA B. STORM.

Henry E. Huntington Library and Art Gallery: San Marino, California; estab. 1919 by the late Henry E. Huntington as a free research library, art gallery, museum, and botanical garden. Library collections, chiefly in fields of English and American literature and history, include some 230,000 rare books (5,250 incunabula), about one million MSS., a large print collection and a working reference library; available under restrictions to scholars and others engaged in research or creative work, on application to the Librarian. The printed book collection is particularly strong in the English renaissance, American Revolutionary War period, American Civil War material and Lincolniana. Californiana and the history of the Southwest; and the history of book production. A research programme includes fellowships, grants, and publication of the *Huntington Library Quarterly* and other scholarly works; Chair. Board of Trustees HOMER D. CROTTY; Dir. JOHN E. POMFRET; Librarian ROBERT O. DOUGAN; Curators. Art ROBERT WARK, Manuscripts HERBERT C. SCHULZ; Rare Books CAREY S. BLISS, Prints WILLIAM A. PARIS; Supt. of Grounds MYRON KIMNACK. *See also* Museums and Art Galleries.

Herbert Hoover Presidential Library and Museum: West Branch, Iowa; f. 1962; official papers and mementoes of America's 31st President.

Hoover Institute on War, Revolution and Peace: Stanford, California; f. 1919; international centre of documentation and research on political, social and economic change in the twentieth century; over 25,000,000 items on the causes and consequences of war and revolutionary movements, and man's endeavour to achieve peace; with particular emphasis on the rise and spread of communism and other totalitarian movements; independent, within the framework of Stanford University; founded in 1919 by HERBERT HOOVER; Dir. W. GLENN CAMPBELL; Asst. Dir. WITOLD S. SWORAKOWSKI; Librarian PHILIP T. MCLEAN.

John Crerar Library: Acquisitions Department, 35 West 33rd Street, Chicago 16, Ill.; f. 1895; about 1,000,000 vols. and pamphlets on the basic sciences, mathematics, astronomy, physics, chemistry, geology, and the biological sciences, and their applications in agriculture, medicine, and all branches of engineering; Librarian HERMAN H. HENKLE.

John F. Kennedy Memorial Library: nr. Harvard University, Cambridge, Mass.; to be built as a museum, an archive and institute; personal papers, documents, public records relating to the late President will be housed there.

Library of Congress, The: Washington, D.C. 20540; f. 1800; contained, on June 30th, 1964, more than 13,139,000 volumes and pamphlets, 18,970,000 MSS. (pieces), 2,797,000 maps, 3,176,000 volumes and pieces of music, and large numbers of unbound serial parts, unbound newspaper issues, microfilms, motion-picture reels, phonograph records, photographic negatives, prints and slides, fine prints, broadsides, posters, etc., totalling more than 43,500,000 items; the operations, activities and personnel of the library are divided into six broad departments—Administrative, Reference, Legislative Reference Service, Processing, and the Law Library and Copyright Office; divisions include: general reference and bibliography, blind, MSS., maps, music, Orientalia, prints and photographs, science, Slavic and Central European, serials; also Hispanic Foundation, Photoduplication Service; National Union Catalogue (now containing more than 14,738,000 cards for important holdings of over 700 institutions); a card division, which distributes cards, book catalogues and other technical publications to libraries, firms and individuals; two general and fifteen special reading rooms; publs. *Annual Report, Information Bulletin, Quarterly Journal*, etc. (a list of Library of Congress publications is available); Librarian L. QUINCY MUMFORD.

Library of International Relations: 660 North Wabash, Chicago, Ill. 60611; f. 1932; a free reference library of 300,000 books, pamphlets, periodicals, and documents relating to international relations and to current economic, political, and social conditions in all countries, with special collections on Latin America and Asia; a clearing house for information on publications and organisations in the international field; 500 mems.; Dirs. ELOISE REQUA; Head of Ref. Dept. JANE STATHAM; publ. *International Information Service* (quarterly bibliography).

National Library of Medicine (formerly **Armed Forces Medical Library**): Bethesda, Maryland 20014; f. 1836; 1,200,000 books, pamphlets and periodicals on medicine and related subjects and 35,000 vols. on the history of medicine, 500 medical incunabula, MSS. prior to 1801, Dir. Dr. MARTIN M. CUMMINGS; publs. *Index Medicus, National Library of Medicine Catalog, Bibliography of Medical Reviews.*

Newberry Library: Chicago 10, Illinois; f. 1887; a free public reference library of over 800,000 volumes in the humanities, with special collections on the American Indians, the history of printing, music, American and English history and literature, exploration and early cartography, Portugal, the Renaissance in England and Europe, French history from the Renaissance to 1794, the Philippine Islands; Pres. EVERETT D. GRAFF; Librarian STANLEY PARGELLIS.

Pierpont Morgan Library: 29-33 East 36th Street, New York 16, N.Y.; collections formed by J. Pierpont Morgan, with additions made by his son and others; among its treasures are: Medieval and Renaissance MSS. from 6th to 16th centuries; Constance Missal and other printed books from the inception of printing, *circa* 1450 to the 20th century; Assyrian and Babylonian seals, cylinders, and cuneiform tablets; Egyptian, Greek, and other papyri; authors' autographed MSS. and letters from 15th to 20th centuries; historical letters and documents from 11th to 20th centuries; bookbindings; prints and master drawings; paintings, tapestries, sculpture, and art objects; Dir. FREDERICK B. ADAMS, Jr.

GOVERNMENT DEPARTMENT LIBRARIES

WASHINGTON, D.C.

Army Library, The: Department of Army, The Adjutant-General's Office, The Pentagon, Washington 25, D.C.; f. 1944; combines the resources of 28 former War Dept. libraries into one central collection in the Pentagon; 235,000 vols., and 900,000 documents; special collections on military arts and sciences, unit histories, military law; and Army administrative, training and technical publications; provides field library service to over 280 legal offices of the Judge Advocate General's Corps and of the Department of Army; Dir. PAUL J. BURNETTE.

Department of Commerce: 472,000 vols.; WANDA MAE JOHNSON.

Bureau of Census Library 180,000 vols.; DOROTHY W. KAUFMAN.

Bureau of Public Roads Library: 273,000 vols.; M. W. HELVESTINE.

Coast and Geodetic Survey Library: 137,000 vols.

Maritime Administration Library: 51,000 vols.; FERN L. PITTMAN.

National Bureau of Standards Library: 125,000 vols.; SARAH ANN JONES.

Patent Office Scientific Library: 320,688 vols.; W. R. CAMPBELL.

Weather Bureau Library: 155,000 vols.; JOHN P. WEBBER.

Department of Justice: f. 1831; 200,000 vols., principally Anglo-American legal and related materials; Librarian MARVIN P. HOGAN.

Department of Labor: f. 1885; 415,000 vols.; MARGARET F. BRICKETT.

Department of State: f. 1789; 500,000 vols., 175,000 research reports, 5,500 reels and strips of microfilm; materials relate primarily to the economic, political and social conditions in foreign areas, international relations and diplomatic history; Librarian FRED W. SHIPMAN; Assistant Librarian ARTHUR B. BERTHOLD.

Department of the Interior:

Department of the Interior Library: 546,000 vols.; est. in 1950 through consolidation of 8 bureau libraries; Librarian P. HOWARD.

Geological Survey Library: 300,379 vols., 175,551 maps, 273,408 pamphlets; Librarian W. H. HEERS.

Division of Geography Library: 12,500 vols., 147,000 maps; Librarian Mrs. ELSI YODER.

Department of the Treasury: 100,000 vols. (economic and legal) covering domestic and international conditions; original U.S. Govt. source material together with extensive collections in fields of taxation, finance, national income, revenue and business estimating, foreign trade, federal state and international law, legislative reference material, etc.; RICHARD CHARLES DAHL.

National Agricultural Library: U.S. Dept. of Agriculture, South Building, 14th Street and Independence Ave., S.W., Washington, D.C. 20250; 1,248,000 vols.; agriculture and the related sciences; especially good collection of botany, zoology, chemistry, veterinary medicine, forestry, plant pathology, general agriculture; Dir. FOSTER E. MOHRHARDT; publs. *Bibliography of Agriculture* (monthly), *Pesticides Documentation Bulletin* (bi-weekly).

U.S. Senate Library: f. 1824; 300,000 vols., including special collection of Legislative and Departmental Proceedings and Documents from 1774; the work of the Senate Library is essentially that of research and reference for the use of the Senate and its committees; principal services rendered include organisation and preparation of specialised legislative material, and official documents, bibliographies, chronologies, digests of legislation; Librarian RICHARD D. HUPMAN; publs. *Factual Campaign Information*, *Index of Congressional Committee Hearings*, *Senate Election Cases from 1913 to 1940*, *Proposed Amendments to the Constitution of the United States, 1926 to 1957*, *Presidential Vetoes, 1889 to 1958*, *Manner of Selecting Delegates to the National Political Conventions and the Nomination and Election of Presidential Electors*, *Our Capitol*, *History of the Senate Seal*.

U.S. House of Representatives Library: 600,000 vols., and special bound collections of all Governmental publications since adoption of the Constitution; JOHN A. COOPER.

U.S. Navy Department: Washington 25, D.C.; f. 1798; 100,000 vols.; and various bureau and office libraries and special collections; WALTER B. GREENWOOD.

Veterans Administration: Medical and General Reference Library, Washington 25, D.C.; f. 1930; Librarian MABEL McL. BRANDLY.

Department of Health, Education and Welfare: comprising:

Department Library: 700,000 vols.; located Headquarters Building; Librarian KANARDY L. TAYLOR.

National Institutes of Health Library: 100,000 vols.; located National Institutes of Health, Bethesda, Md.; Librarian JESS MARTIN.

St. Elizabeths Hospital Library: 24,000 vols.; located Hospital Grounds, Washington, D.C.; Librarian Miss ELIZABETH REAVIS.

Social Security Administration Library: 40,000 vols.; located Baltimore, Md.; Librarian Miss ANITA GOLDSTEIN.

SPECIALISED LIBRARIES ATTACHED TO ASSOCIATIONS AND SOCIETIES

(with a total number of volumes over 100,000.)

ALABAMA

State Department of Archives and History: World War Memorial Building, Montgomery 5; f. 1901; 260,000 vols.; historical; Dir. Mrs. MARIE B. OWEN; publ. *Alabama Historical Quarterly*.

ARIZONA

Department of Library and Archives: Phoenix; 387,657 vols.; law, government, Arizona and Southwest history, genealogy, documents, library extension service, archives; Dir. ALICE B. GOOD.

CALIFORNIA

Los Angeles County Law Library: 301 West First Street, Los Angeles, Calif. 90012; f. 1891; 436,736 vols.; Librarian FORREST S. DRUMMOND; Foreign Law Librarian WILLIAM B. STERN.

San Francisco Law Library: 436 City Hall, San Francisco 2; 169,218 vols., main library; 30,367 vols., branch library; law; ROBERT J. EVERSON.

ILLINOIS

Chicago Law Institute, 1025 County Building, 118 N. Clark Street, Chicago 2, Ill.; f. 1857; 1,815 mems.; library of 121,500 vols.; Sec. JOSEPH R. CECCHINI; Librarian RUSSELL BAKER.

Garrett Theological Seminary Library: Evanston; f. 1853; 163,000 vols.; theology; Librarian JOHN DAVID BATSEL.

Illinois State Historical Library: Springfield, Ill.; f. 1889; 106,500 vols.; special collections, including Illinois history, Lincolniana, Civil War, Illinois newspapers, genealogy, Mormon history, Mid-West Americana MSS.; State Historian CLYDE C. WALTON; publs. *Collections of the Illinois State Historical Library*, *Journal of the Illinois State Historical Society*, *Illinois History*, *Occasional Papers*.

Municipal Reference Library: City Hall, Chicago 2; 200,000 vols.; free reference library; FREDERICK REX.

KANSAS

Kansas State University of Agriculture and Applied Science: Manhattan, Kansas; 351,909 vols.; Librarian JOE W. KRAUS.

Kansas State Historical Society Library: Topeka; f. 1875; 243,510 vols.; Librarian ALBERTA PANTLE; publ. *Kansas Historical Quarterly*.

MASSACHUSETTS

American Antiquarian Society Library: Worcester 9; f. 1912; 751,000 vols.; Americana to 1876; Dir. C. K. SHIPTON; Librarian M. A. McCORISON; publ. *Proceedings* and monographs.

Boston Medical Library: 8 Fenway, Boston 15; 395,000 vols. medical; Librarian CHARLES C. COLOY, III.

Massachusetts Historical Society Library: 1154 Boylston Street, Boston, Mass.; f. 1791; 250,000 vols.; large collection of American historial MSS.; Director STEPHEN T. RILEY.

MINNESOTA

James Jerome Hill Reference Library: Saint Paul 2; 175,000 vols.; reference; RUSSELL F. BARNES.

Minnesota Historical Society Library: Saint Paul 55101; f. 1849; 250,000 vols.; historical and genealogical; Chief Librarian JAMES TAYLOR DUNN; reference librarian MICHAEL BROOK.

MISSOURI

State Historical Society of Missouri: Hitt and Lowry Streets, Columbia; f. 1898; 137,680 vols.; historical; 12,021 annual and life paying mems., 330 editorial mems.; Pres. E. L. DALE; Sec. RICHARD S. BRAWNLEE; publs. *The Missouri Historical Review* (quarterly).

NEW YORK

American Geographical Society Library: Broadway at 156th Street, New York, N.Y. 10032; 158,000 vols., 290,000 maps, 4,150 atlases; Librarian NORDIS FELLAND; Map Curator ROMAN DRAZNIOWSKY.

American Museum of Natural History Library: Central Park West at 79th Street, New York, N.Y. 10024; 180,000 vols.; natural history; Librarian GEORGE H. GOODWIN, Jr.

Association of the Bar of the City of New York Library: Manhattan; 310,000 vols.; law; ARTHUR A. CHARPENTIER.

Engineering Societies Library: 29 West 39th Street, New York, N.Y. 10018; f. 1913; 199,881 vols.; Dir. RALPH H. PHELPS.

Hispanic Society of America Library: Broadway, between 155th and 156th Streets, New York, N.Y. 10032; f. 1904; 100,000 vols., including over 10,000 catalogued manuscripts and about 12,000 rare books and about 250 incunabula; art, history and literature of Spain, Portugal and colonial Hispanic America; Curator JEAN R. LONGLAND.

Jewish Theological Seminary of American Library: 3080 Broadway (122nd), New York, N.Y. 10027; *c.* 200,000 vols. and *c.* 10,000 MSS.; Genizah Archives, Louis Ginzberg Microfilm Library (foreign collections of Hebrew MSS); incunabula; Bible, Rabbinics, Jewish History, Liturgy, Theology, Early Yiddish, Hebrew Literature, Science and Medicine; Haggadahs, Megillot (Esther scrolls), Ketuboth (marriage contracts); Librarian Dr. NAHUM M. SARNA.

Long Island Historical Society Library: 128 Pierrepont Street, corner of Clinton Street, Brooklyn 1; f. 1863; 110,000 vols.; historical and genealogical.

Academy of Medicine of Brooklyn, Inc.: 450 Clarkson Avenue, Brooklyn 11203; f. 1845; 206,000 vols.; medical; WESLEY DRAPER.

Mercantile Library Association: Manhattan; 250,000 vols.; general circulating library; Librarian AUDREY EVE.

New York Academy of Medicine Library: 2 E. 103rd Street, New York, N.Y. 10029; 352,000 vols. and 165,000 unbound pamphlets; medical; Librarian Miss GERTRUDE L. ANNAN.

New York Historical Society Library, The: 170 Central Park West, New York, N.Y. 10024; 500,000 vols.; historical; Dir. R. W. G. VAIL; Librarian JAMES J. HESLIN.

New York Law Institute Library: 120 Broadway, New York, N.Y. 10005; f. 1828; 780 mems.; 173,553 vols.; 163 reels of microfilm; law library for practising attorneys; Librarian LIONEL J. COEN.

New York Society Library: 53 East 79th Street, New York 21, N.Y.; f. 1754; 200,000 vols.; general, with special collections; free for reference; circulation, members only; Librarian SYLVIA C. HILTON; publs. *New Books, Annual Report.*

New York State Law Library: Education Building, Albany, N.Y. 12224; f. 1818; 200,000 vols.; State Law Librarian ERNEST H. BREUER.

New York State Legislative Library: Albany; 180,000 vols.; M. FRANCES MCNAMARA.

New York State Legislative Reference Library: Albany; 200,000 vols.; WILLIAM P. LEONARD.

Union Theological Seminary Library: Broadway and 120th Street, New York 27, N.Y.; 283,955 vols., 99,315 pamphlets, 1,177 microfilms, 3,332 MSS; theology; ROBERT F. BEACH.

U.S. Military Academy Library: West Point, N.Y.; f. 1802; 148,358 vols.; military; Supt. Lieut.-Gen. B. M. BRYAN.

PENNSYLVANIA

American Philosophical Society Library: 105 South Fifth Street, Philadelphia, Pa. 19106; f. 1743; 125,000 vols., 500,000 MSS.; special collections on Benjamin Franklin, history of sciences, American Indians.

Historical Society of Pennsylvania Library: 1300 Locust Street, Philadelphia 7; f. 1824; 500,000 vols., over 4,000,000 MSS.; historical; Dir. R. N. WILLIAMS, 2nd; publ. *Pennsylvania Magazine of History and Biography.*

WISCONSIN

State Historical Society of Wisconsin Library: 816 State Street, Madison 6; f. 1846; 300,000 vols. and 300,000 pamphlets; Dir. LESLIE H. FISCHEL, Jr.; Librarian BENTON H. WILCOX; publ. *Wisconsin Magazine of History* (quarterly).

SELECTED UNIVERSITY LIBRARIES

University of California Libraries: Berkeley 4, Calif., f. 1868; consist of libraries at Berkeley (2,955,704 vols.); Los Angeles (2,006,819 vols.), San Francisco (283,043 vols.), Davis (323,476 vols.), Santa Barbara (273,681 vols.), San Diego (180,032 vols.), Riverside (260,187 vols.), Santa Cruz (50,736 vols.), Irvine (48,406 vols.), Mt. Hamilton (26,052 vols.), total vols. at all locations 6,408,136; Librarian: Berkeley, DONALD CONEY, M.A.; Los Angeles, ROBERT G. VOSPER, M.A.; San Francisco, JOHN B. DE C. M. SAUNDERS, M.B., CH.D.; Davis, J. RICHARD BLANCHARD, M.S.; Santa Barbara, DONALD C. DAVIDSON, PH.D.; San Diego, MELVIN J. VOIGT, M.A.; Riverside, EDWIN T. COMAN, Jr., M.A.; Mt. Hamilton, Mrs. CONSTANCE M. WATSON, B.A.; Santa Cruz, DONALD T. CLARK, M.B.A.; Irvine, JOHN E. SMITH, B.A.

University of Chicago Library: Chicago 37, Ill.; f. 1892; 2,350,000 vols., including the Harper Memorial Library of approx. 1,000,000 vols., and some 17 departmental libraries; special collections, among many others of importance for research, include Nicholas Bacon collection of English manor rolls and William Barton collection of Lincolniana; Dir. HERMAN H. FUSSLER, PH.D.

University of Cincinnati Library: Cincinnati 21, Ohio; f. 1819; 798,000 vols.; comprises a general library, and twelve departmental libraries; includes special collections on classics, modern Greek, geology and chemistry; Librarian ARTHUR T. HAMLIN, A.B., B.L.S.

Columbia University Libraries: New York 27, N.Y.; f. 1754; approx. 3,100,000 vols.; there are 32 departmental and professional school libraries with important collections in architecture, business, law, medicine, engineering, the sciences, humanities and social sciences; Dir. RICHARD H. LOGSDON, PH.D.

Bureau of Public Roads Library: 273,000 vols.; M. W. HELVESTINE.

Coast and Geodetic Survey Library: 137,000 vols.

Maritime Administration Library: 51,000 vols.; FERN L. PITTMAN.

National Bureau of Standards Library: 125,000 vols.; SARAH ANN JONES.

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U.S. Navy Department: Washington 25, D.C.; f. 1798; 100,000 vols.; and various bureau and office libraries and special collections; WALTER B. GREENWOOD.

Veterans Administration: Medical and General Reference Library, Washington 25, D.C.; f. 1930; Librarian MABEL McL. BRANDLY.

Department of Health, Education and Welfare: comprising:

Department Library: 700,000 vols.; located Headquarters Building; Librarian KANARDY L. TAYLOR.

National Institutes of Health Library: 100,000 vols.; located National Institutes of Health, Bethesda, Md.; Librarian JESS MARTIN.

St. Elizabeths Hospital Library: 24,000 vols.; located Hospital Grounds, Washington, D.C.; Librarian Miss ELIZABETH REAVIS.

Social Security Administration Library: 40,000 vols.; located Baltimore, Md.; Librarian Miss ANITA GOLDSTEIN.

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CALIFORNIA

Los Angeles County Law Library: 301 West First Street, Los Angeles, Calif. 90012; f. 1891; 436,736 vols.; Librarian FORREST S. DRUMMOND; Foreign Law Librarian WILLIAM B. STERN.

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ILLINOIS

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Garrett Theological Seminary Library: Evanston; f. 1853; 163,000 vols.; theology; Librarian JOHN DAVID BATSEL.

Illinois State Historical Library: Springfield, Ill.; f. 1889; 106,500 vols.; special collections, including Illinois history, Lincolniana, Civil War, Illinois newspapers, genealogy, Mormon history, Mid-West Americana MSS.; State Historian CLYDE C. WALTON; publs. *Collections of the Illinois State Historical Library, Journal of the Illinois State Historical Society, Illinois History, Occasional Papers.*

Municipal Reference Library: City Hall, Chicago 2; 200,000 vols.; free reference library; FREDERICK REX.

KANSAS

Kansas State University of Agriculture and Applied Science: Manhattan, Kansas; 351,909 vols.; Librarian JOE W. KRAUS.

Kansas State Historical Society Library: Topeka; f. 1875; 243,510 vols.; Librarian ALBERTA PANTLE; publ. *Kansas Historical Quarterly.*

MASSACHUSETTS

American Antiquarian Society Library: Worcester 9; f. 1912; 751,000 vols.; Americana to 1876; Dir. C. K. SHIPTON; Librarian M. A. McCORISON; publ. *Proceedings* and monographs.

Boston Medical Library: 8 Fenway, Boston 15; 395,000 vols. medical; Librarian CHARLES C. COLOY, III.

Massachusetts Historical Society Library: 1154 Boylston Street, Boston, Mass.; f. 1791; 250,000 vols.; large collection of American historial MSS.; Director STEPHEN T. RILEY.

MINNESOTA

James Jerome Hill Reference Library: Saint Paul 2; 175,000 vols.: reference; RUSSELL F. BARNES.

Minnesota Historical Society Library: Saint Paul 55101; f. 1849; 250,000 vols.; historical and genealogical; Chief Librarian JAMES TAYLOR DUNN; reference librarian MICHAEL BROOK.

MISSOURI

State Historical Society of Missouri: Hitt and Lowry Streets, Columbia; f. 1898; 137,680 vols.; historical; 12,021 annual and life paying mems., 330 editorial mems.; Pres. E. L. DALE; Sec. RICHARD S. BRAWNLEE; publs. *The Missouri Historical Review* (quarterly).

NEW YORK

American Geographical Society Library: Broadway at 156th Street, New York, N.Y. 10032; 158,000 vols., 290,000 maps, 4,150 atlases; Librarian NORDIS FELLAND; Map Curator ROMAN DRAZNIOWSKY.

American Museum of Natural History Library: Central Park West at 79th Street, New York, N.Y. 10024; 180,000 vols.; natural history; Librarian GEORGE H. GOODWIN, Jr.

Association of the Bar of the City of New York Library: Manhattan; 310,000 vols.; law; ARTHUR A. CHARPENTIER.

Engineering Societies Library: 29 West 39th Street, New York, N.Y. 10018; f. 1913; 199,881 vols.; Dir. RALPH H. PHELPS.

Hispanic Society of America Library: Broadway, between 155th and 156th Streets, New York, N.Y. 10032; f. 1904; 100,000 vols., including over 10,000 catalogued manuscripts and about 12,000 rare books and about 250 incunabula; art, history and literature of Spain, Portugal and colonial Hispanic America; Curator JEAN R. LONGLAND.

Jewish Theological Seminary of American Library: 3080 Broadway (122nd), New York, N.Y. 10027; *c.* 200,000 vols. and *c.* 10,000 MSS.; Genizah Archives, Louis Ginzberg Microfilm Library (foreign collections of Hebrew MSS); incunabula; Bible, Rabbinics, Jewish History, Liturgy, Theology, Early Yiddish, Hebrew Literature, Science and Medicine; Haggadahs, Megillot (Esther scrolls), Ketuboth (marriage contracts); Librarian Dr. NAHUM M. SARNA.

Long Island Historical Society Library: 128 Pierrepont Street, corner of Clinton Street, Brooklyn 1; f. 1863; 110,000 vols.; historical and genealogical.

Academy of Medicine of Brooklyn, Inc.: 450 Clarkson Avenue, Brooklyn 11203; f. 1845; 206,000 vols.; medical; WESLEY DRAPER.

Mercantile Library Association: Manhattan; 250,000 vols.; general circulating library; Librarian AUDREY EVE.

New York Academy of Medicine Library: 2 E. 103rd Street, New York, N.Y. 10029; 352,000 vols. and 165,000 unbound pamphlets; medical; Librarian Miss GERTRUDE L. ANNAN.

New York Historical Society Library, The: 170 Central Park West, New York, N.Y. 10024; 500,000 vols.; historical; Dir. R. W. G. VAIL; Librarian JAMES J. HESLIN.

New York Law Institute Library: 120 Broadway, New York, N.Y. 10005; f. 1828; 780 mems.; 173,553 vols.; 163 reels of microfilm; law library for practising attorneys; Librarian LIONEL J. COEN.

New York Society Library: 53 East 79th Street, New York 21, N.Y.; f. 1754; 200,000 vols.; general, with special collections; free for reference; circulation, members only; Librarian SYLVIA C. HILTON; publs. *New Books, Annual Report.*

New York State Law Library: Education Building, Albany. N.Y. 12224; f. 1818; 200,000 vols.; State Law Librarian ERNEST H. BREUER.

New York State Legislative Library: Albany; 180,000 vols.; M. FRANCES MCNAMARA.

New York State Legislative Reference Library: Albany; 200,000 vols.; WILLIAM P. LEONARD.

Union Theological Seminary Library: Broadway and 120th Street, New York 27, N.Y.; 283,955 vols., 99,315 pamphlets, 1,177 microfilms, 3,332 MSS; theology; ROBERT F. BEACH.

U.S. Military Academy Library: West Point, N.Y.; f. 1802; 148,358 vols.; military; Supt. Lieut.-Gen. B. M. BRYAN.

PENNSYLVANIA

American Philosophical Society Library: 105 South Fifth Street, Philadelphia, Pa. 19106; f. 1743; 125,000 vols., 500,000 MSS.; special collections on Benjamin Franklin, history of sciences, American Indians.

Historical Society of Pennsylvania Library: 1300 Locust Street, Philadelphia 7; f. 1824; 500,000 vols., over 4,000,000 MSS.; historical; Dir. R. N. WILLIAMS, 2nd; publ. *Pennsylvania Magazine of History and Biography.*

WISCONSIN

State Historical Society of Wisconsin Library: 816 State Street, Madison 6; f. 1846; 300,000 vols. and 300,000 pamphlets; Dir. LESLIE H. FISCHEL, Jr.; Librarian BENTON H. WILCOX; publ. *Wisconsin Magazine of History* (quarterly).

SELECTED UNIVERSITY LIBRARIES

University of California Libraries: Berkeley 4, Calif., f. 1868; consist of libraries at Berkeley (2,955,704 vols.); Los Angeles (2,006,819 vols.), San Francisco (283,043 vols.), Davis (323,476 vols.), Santa Barbara (273,681 vols.), San Diego (180,032 vols.), Riverside (260,187 vols.), Santa Cruz (50,736 vols.), Irvine (48,406 vols.), Mt. Hamilton (26,052 vols.), total vols. at all locations 6,408,136; Librarian: Berkeley, DONALD CONEY, M.A.; Los Angeles, ROBERT G. VOSPER, M.A.; San Francisco, JOHN B. DE C. M. SAUNDERS, M.B., CH.D.; Davis, J. RICHARD BLANCHARD, M.S.; Santa Barbara, DONALD C. DAVIDSON, PH.D.; San Diego, MELVIN J. VOIGT, M.A.; Riverside, EDWIN T. COMAN, Jr., M.A.; Mt. Hamilton, Mrs. CONSTANCE M. WATSON, B.A.; Santa Cruz, DONALD T. CLARK, M.B.A.; Irvine, JOHN E. SMITH, B.A.

University of Chicago Library: Chicago 37, Ill.; f. 1892; 2,350,000 vols., including the Harper Memorial Library of approx. 1,000,000 vols., and some 17 departmental libraries; special collections, among many others of importance for research, include Nicholas Bacon collection of English manor rolls and William Barton collection of Lincolniana; Dir. HERMAN H. FUSSLER, PH.D.

University of Cincinnati Library: Cincinnati 21, Ohio; f. 1819; 798,000 vols.; comprises a general library, and twelve departmental libraries; includes special collections on classics, modern Greek, geology and chemistry; Librarian ARTHUR T. HAMLIN, A.B., B.L.S.

Columbia University Libraries: New York 27, N.Y.; f. 1754; approx. 3,100,000 vols.; there are 32 departmental and professional school libraries with important collections in architecture, business, law, medicine, engineering, the sciences, humanities and social sciences; Dir. RICHARD H. LOGSDON, PH.D.

Cornell University Libraries: Ithaca, N.Y.; f. 1865; 2,577,296 vols.; Director STEPHEN A. McCARTHY.

Duke University Library: Durham, N.C.; f. 1838; 1,716,855 vols.; British history and literature of 17th to 19th centuries; general European history since 1870; French Revolution; Church history of Reformation; American and Latin American history; French, English, Italian and American literature; international law; seven special libraries; Librarian BENJAMIN POWELL.

Francis A. Countway Library of Medicine: Harvard University, Cambridge 38, Mass.; f. 1965; a combination of the medical libraries of Harvard and Boston Universities; 400,000 items.

Harvard University Library: Cambridge 38, Mass.; f. 1638; the oldest library in the U.S.A. and the largest university library in the world. The total of 7,245,000 vols. is divided among some 90 libraries and a "central collection" which is housed in the Widener, Houghton, and Lamont buildings; there are important collections in nearly every field of learning, and over 3,500 volumes printed before 1501; Dir. MERLE FAINSOD, A.B., A.M., PH.D., LL.D.; The largest special libraries are: Houghton Library for rare books and manuscripts (179,155 vols.), Librarian (Vacant); Law School Library (979,331 vols.), Librarian EAEL C. BORGESON, B.S.L., LL.B., A.B. in L.; Library of the Faculty of Medicine and School of Public Health (340,446 vols.), Librarian RALPH T. ESTERQUEST, S.B., S.B. in L.S., A.M.; Baker Library for business administration (371,978 vols.), Librarian DONALD T. CLARK, A.B., S.B., M.B.A.; Chinese-Japanese Library (362,372 vols.), Librarian A. KAIMING CHIU, PH.D.; Littauer Center Library for public administration (325,370 vols.), Librarian RUTH H. GRANT, S.B.; Museum of Comparative Zoology Library (246,123 vols.), Librarian JESSIE B. MACKENZIE, A.B.; Andover-Harvard Theological Library (228,610 vols.).

University of Illinois Library: Urbana, Ill; f. 1867; 3 888,000 vols.; special collections on Italian history, music, architecture, and Milton; Chicago, Ill., Medical Sciences, 164,805 vols., Chicago Circle Campus 129,032 vols.; Dir. ROBERT BINGHAM DOWNS, M.S., LITT.D., LL.D.

University of Iowa Library: Iowa City, Iowa; f. 1847; 1,220,000 vols., 12 departmental libraries; special collections; Dir. of Libraries LESLIE W. DUNLAP, B.A., M.A., B.S.L.S., PH.D.

Johns Hopkins University Library: Baltimore 18, Md.; f. 1876; 1,326,708 vols. including the John Work Garrett Library, the library of the School of Advanced International Studies and the William H. Welch Medical Library (200,000 vols.); Librarian JOHN H. BERTHEL.

Joint University Libraries: Nashville, Tenn. 37203; estab. 1936 by Vanderbilt University, the George Peabody College for Teachers, and Scarritt College for Christian Workers, all of Nashville; 916,138 vols.; Dir. DAVID KASER.

Kentucky University Libraries: Lexington, Kentucky; f. 1909; 1,003,580 volumes; twelve departmental and collegiate libraries; unrivalled collection of Kentuckiana, special collections in French and Spanish drama, on Ohio Valley, tobacco, taxation and public finance; comprehensive collection of works by and about William Harvey; Librarian LAWRENCE S. THOMPSON; publs. *Library Bulletin, Scripta Humanistica Kentuckiensia.*

Massachusetts Institute of Technology Libraries: Cambridge 39, Mass.; f. 1861; 886,000 books and pamphlets; Dir. of Libraries WILLIAM N. LOCKE, PH.D.

University of Michigan Library: Ann Arbor, Mich.; 2,668,378 vols.; including the special collections in the William L. Clements Library of American History, the Law Library, Flint College Library, and 25 divisional libraries; Dir. FREDERICK H. WAGMAN, PH.D.

University of Minnesota Library: Minneapolis, Minn.; f. 1851; 2,220,811 vols.; general and twenty departmental libraries; Librarian EDWARD B. STANFORD, A.B., B.S. IN L.S., M.A., PH.D.

University of Missouri Library: Columbia, Mo.; f. 1839; 1,200,000 vols. in general and eight departmental libraries at Columbia, and 125,000 vols. in one library at Rolla; 245,000 vols. in general and four departmental libraries in Kansas City; special collection of Missouriana; Librarian RALPH H. PARKER, PH.D.

University of Nebraska Libraries: Lincoln, Neb.; f. 1869; 900,000 vols., 500,000 governmental agency publs., approx. 1,000,000 pamphlets, etc., map depository; special collections: Anne of Brittany, French Revolution, Indians, J. S. Morton, World Wars I-II; K. S. Wherry; Great Plains anthropology, archæology, history and travel; Dir. FRANK A. LUNDY, A.B., M A.

University of North Carolina Library: Chapel Hill, N.C.; f. 1795; 1,533,083 vols.; special collections on North Carolina, Southern Americana, on the Origin and Development of the Book, on American drama, Dickens, Shaw, Spanish drama, Federal and State documents, Latin American, and Southern historical MSS.; 8 departmental libraries in scientific and other fields; Librarian JERROLD ORNE, PH.D.

Northwestern University Libraries: Evanston, Ill.; f. 1856; 1,709,172 vols.; Charles Deering Library (humanities and social sciences, with special collections relating to Africa, French Revolution, Horace, Spanish Civil War, Spanish Drama); eight branch libraries (astronomy; biology; chemistry; engineering and physics; geology; maps; mathematics; music) and one special library (transportation) in Evanston; one general and three special libraries (dentistry, law, medicine) in Chicago; Librarian JENS NYHOLM, M.A.

Ohio State University Library: Columbus 10, Ohio f. 1873; 1,400,000 vols.; Dir. of Libraries LEWIS C. BRANSCOMB, PH.D., A.M.L.S.

University of Pennsylvania Library: Philadelphia, Pa. 19104; f. 1750; 1,895,000 vols.; central library and 25 departmental and affiliated libraries; Archaeology, Leibniz, Descartes, History of Philosophy and Science, Baltic Languages and Literature (especially Saulys Collection of Lithuanian materials), Edgar Fahs Smith History of Chemistry, French Revolution, Aristotelianism, Occam, Medieval History, Inquisition (Henry C. Lea Library), English and European Bibles, Italian Renaissance Literature (Macauley Collection), Spanish Literature of the Golden Age (Rennert and Crawford Collections), Spanish Linguistics (Gillet Collection), Shakespeareana (Furness Library), Restoration Drama, 18th and early 19th century English fiction, Jonathan Swift, Thomas Paine, American drama, fiction, and poetry: Walt Whitman, Washington Irving, Robert Montgomery Bird, Theodore Dreiser, James Farrell; Middle-High German (Bechstein and part of Ehrismann Collection), Old French, Friesian, Indic MSS., South Asia, History of Economics (especially 18th and early 19th century), History of Education, Cryptography, Spiritualism, Programmschriften, Elzevir Imprints, Franklin Imprints, Penney Music Collection; Acting Dir. RUDOLF HIRSCH, PH.D.

Princeton University Library: Princeton, N.J.; f. 1746; about 1,800,000 vols.; special collections include Robert Garrett collection of Arabic and Medieval MSS., the Gest Oriental Library (135,000 vols.), the William Seymour theatre collection, the Rollins collection of Western Americana, the archives of Eugène de Beauharnais, Morris L. Parrish collection of Victorian novelists, Cyrus H. McCormick and Grenville Kane

collections of Early Americana, John Foster Dulles Library of Diplomatic History, etc.; Pres. ROBERT F. GOHEEN; Sec. ALEXANDER LEITCH; Librarian WILLIAM S. DIX, PH.D.; publ. *Chronicle*.

Stanford University Library: Stanford, Calif.; f. 1885; 2,416,000 vols., excluding the Hoover Institution; 27 departmental and school libraries of which the major ones are: Lane Medical Library (Palo Alto, Calif.) (182,393 vols.), Engineering Library (58,791 vols.), Law Library (119,996 vols.), Education Library (69,136 vols.), Branner Geological Library (34,735 vols.), Business Library (86,648 vols.), Food Research Institute Library (45,041 vols.), Linear Accelerator Center Library (16,329 vols.); special collections: Transportation, Sir Isaac Newton, Typography, Music, English and American Literature; Dir. of Libraries R. D. ROGERS.

University of Texas Library: Austin, Tex.; f. 1883; 1,321,180 vols.; Medical Library at Galveston 79,000 vols., Medical Library at Dallas 45,000 vols., Texas Western 100,000 vols.; special collections on English literature, Latin American history; Bieber collection of poetry, Spanish archives; Librarians ALEXANDER MOFFIT, B.A., M.S. IN L.S., ELIZABETH D. RUNGE, B.A. (Galveston), VIOLET BAIRD, M.A., B.S. IN L.S. (Dallas), BAXTER POLK (El Paso), EVA BOWDEN (Houston).

Tulane University of Louisiana Libraries: New Orleans, La. 70118; f. 1834; 885,000 vols. (incl. Law, Medicine and Latin American Libraries); special collections on New Orleans, Louisiana and Southern U.S. history; Latin American archaeology, art, economics and political science; Dir. of Libraries R. LOUIS TALMADGE, M.S. IN L.S.

University of Virginia Library: Charlottesville, Va.; f. 1819; 1,370,000 vols.; special collection on American History, including McGregor Library of American History and the Barrett Library of American Literature, Massey Faulkner collection, Streeter collection on South-eastern Railways, Optics, Evolution, Thomas Jefferson, Edgar Allan Poe, Walt Whitman, Greek and Latin literature, Nuclear Energy, Music, International Law, History of Printing, Gothic novels, *inter alia;* Librarian JOHN C. WYLLIE.

University of Washington Libraries: Seattle, Wash.; f. 1861; 1,267,031 vols.; 16,191 periodicals; 18 branch libraries including Law and Health Sciences, and the Northwest Collection of Americana; Dir. MARION A. MILCZEWSKI.

University of Wisconsin Library: Madison 6, Wis.; f. 1848; 1,543,166 vols.; special collections on pharmacy, Scandinavian literature, Gaelic literature and history, and modern Polish literature, history of science, History of Calvinism, socialistic and labour movements; campus houses State Historical Society Library containing 325,000 bound books and 325,000 bound pamphlets; Dir. LOUIS KAPLIN, PH.D.

Yale University Library: New Haven, Conn.; f. 1701; 4,831,738 vols.; each of the 10 Undergraduate Colleges has its own library; the following list gives the principal departmental libraries, with the total of volumes:

American Oriental Society	19,322
Art Library	10,760
Bingham Oceanographic	16,000
Botany	12,242
Bureau of Highway Traffic	26,268
Chemistry	12,187
Classical Club	10,700
Divinity School	14,719
Drama	15,559
Economic Growth Center	239,964
Engineering School	11,000
Forestry School	97,899
Geology Department	47,000
Law School	444,624
Medical School, General	369,128
Music School	53,274
Osborn Zoological	11,283
Peabody Museum (Geology, etc.)	10,440
Sinological Seminar	11,000

Librarian JAMES R. TANIS; publ. *Gazette*.

SELECTED PUBLIC LIBRARIES

(with a total number of volumes over 500,000)

CALIFORNIA

Los Angeles Public Library: 630 West 5th Street, Los Angeles 90017; f. 1872; 3,173,469 vols.; Librarian HAROLD L. HAMILL.

Los Angeles Public Library: 630 West 5th Street, Los Angeles 17; f. 1872; 2,977,034 vols.; Librarian HAROLD L. HAMILL.

San Francisco Public Library: Civic Center, San Francisco 2; 965,000 vols.; Librarian WILLIAM R. HOLMAN.

DISTRICT OF COLUMBIA

Public Library of the District of Columbia: Washington, D.C. 20001; f. 1896; 1,402,509 vols.; Librarian HARRY N. PETERSON.

ILLINOIS

Chicago Public Library: Chicago; f. 1872; 2,521,106 vols.; Librarian GERTRUDE E. GSCHEIDLE.

MASSACHUSETTS

Boston Public Library: Copley Square, Boston 17; f. 1852; believed to be the oldest free municipal library supported by taxation in any city of the world; 2,162,176 vols.; Dir. MILTON EDWARD LORD.

Massachusetts State Library: Boston; 850,000 vols.; Librarian I. ALBERT MATKOV.

MICHIGAN

Detroit Public Library: 5201 Woodward Avenue, Detroit, Mich. 48202; f. 1865; 1,994,553 vols., 107,074 maps, 20,322 microfilms, 1,510 films, 520,247 pictures; special collections on Automotive history, Burton Historical Collection (Michigan, Great Lakes and Old Northwest Territory); Dir. RALPH A. ULVELING.

MINNESOTA

Minneapolis Public Library: 300 Nicollet Avenue, Minneapolis 1; f. 1885; over one million vols.; Librarian RAYMOND E. WILLIAMS.

MISSOURI

Kansas City Public Library: Kansas City, Missouri; 900,000 vols.; Librarian RICHARD B. SEALOCK.

Saint Louis (City) Public Library: Saint Louis 3; 1,250,000 vols.; Librarian LOUIS M. NOURSE.

NEW JERSEY

Newark Public Library: Newark, P.O. Box 630; f. 1888; 870,000 catalogued vols., 90,000 uncatalogued; and 1,110,000 prints and pictures. Collections: Art, Music, Science, Technology, Business, New Jersey History, Fine Printing; Dir. JAMES E. BRYAN.

NEW YORK

Brooklyn Public Library: Grand Army Plaza, Brooklyn, N.Y. 11238; f. 1896; consolidated with the Brooklyn Library 1902; special collections on Costumes, American Civil War, Chess and Checkers (draughts), Brooklyn, Walt Whitman, Fire Protection; 2,634,649 vols., 40,344 music records; boroughwide library system of 55 agencies; Pres. CHARLES J. MYLOD; Chief Librarian JOHN A. HUMPHREY.

Buffalo and Erie County Public Library: Buffalo; f. 1954 as an amalgamation of three libraries; 2,008,493 vols.; Dir. JOSEPH B. ROUNDS.

New York Public Library: 5th Avenue and 42nd Street, New York 18; f. 1895 by the amalgamation of three private libraries; with a total of 3,197,009 vols. (no-including manuscripts, maps, microfilms, phonorecords, prints and sheet music); it is one of the six largest libraries in the world; permanent exhibitions of U.S. postage stamps and history of printing; special collections include Berg collection of English and American literature, Arents collection of books on tobacco, and the Spencer collection of illustrated books and books in fine bindings; Dir. EDWARD G. FREEHAFER.

New York State Library: Albany 1; f. 1818; 3,000,000 vols., pamphlets, manuscripts; collections include American and especially New York State history, newspapers, periodicals, Government publications, law, medicine, science and technology, genealogy, archives of New York State, Library for the Blind; Librarian CHARLES F. GOSNELL; Dir. of Library Extension IRVING A. VERSCHOOR.

Queens Borough Public Library: Jamaica 32, Queens Borough; f. 1896; 2,025,891 vols.; Librarian HAROLD W. TUCKER.

OHIO

Cleveland Public Library: 325 Superior Avenue, Cleveland 14; f. 1869; over 3,000,000 vols.; 36 neighbourhood branches, 31 deposit stations, 94 hospital and institution libraries, 38 school libraries, 1,106 classroom collections; travelling book service; the John G. White endowed collection of Folklore and Orientalia, including Chess and Checkers; large circulating collection of 16 mm. films; service to the homebound and the blind; Dir. RAYMOND C. LINDQUIST.

Public Library of Cincinnati and Hamilton County: Eighth and Vine Streets 2, Cincinnati; 1,980,000 vols.; Librarian ERNEST I. MILLER.

OREGON

Library Association of Portland (Multnomah County Library): 801 S.W. 10th Avenue, Portland, Ore. 97205; f. 1864; 896,917 vols.; Librarian MARY E. PHILLIPS.

PENNSYLVANIA

Free Library of Philadelphia: Logan Sq., Philadelphia, Pa. 19103; 40 brs. throughout the city, f. 1891; 2,000,000 vols.; special collections include: Fleisher orchestral music; Carson history of the common law; Widener incunabula and Drinker Choral Library; Lewis Illuminated MSS., European and Oriental; McKean history of the automobile; Elkins Americana, Dickens, Goldsmith; Lewis cuneiform tablets; Rosenbach early American children's books; Dir. EMERSON GREENAWAY.

Carnegie Library of Pittsburgh: 4400 Forbes Avenue, Pittsburgh 13, Pa.; f. 1895; 1,400,912 vols., about 53,000 of which are in foreign languages; 16 branch libraries, all with their own collections, and 1 mobile library; Dir. RALPH MUNN.

WASHINGTON

Seattle Public Library: 4th and Madison, Seattle 98104; 1,160,750 vols.; special collections: Aeronautics, Pacific Northwest Americana; 15 branch libraries; Librarian WILLARD O. YOUNGS.

WISCONSIN

Milwaukee Public Library: 814 W. Wisconsin Avenue, Milwaukee 63233; 1,589,181 vols.; special collections include Herman G. Runge marine lore and railroads, depository for U.S. Federal Documents, U.S. Geologic Survey, U.S. Atomic Energy Commission, U.S. Army Map Service, Charles Allis Art Library, Municipal Reference Library; 13 branch libraries, 3 mobile libraries; Librarian RICHARD E. KRUG.

MUSEUMS AND ART GALLERIES

MUSEUMS. *The following list includes most of the best known and special museums in the United States, but it is by no means a complete list.*

"Museums Directory of the United States and Canada", published by the American Association of Museums and the Smithsonian Institution should be consulted for more detailed information.

American Association of Museums: 2306 Massachusetts Avenue, N.W., Washington, D.C.; f. 1906; membership consists of over 2,000 individuals and 800 institutions; the Association is governed by a board of 30 councillors, who are museum trustees or directors; publs. *Museum News* (f. 1924; once a month, except July and August), series of technical papers, and the following important volumes on museums: *Museums Directory of the United States and Canada*, *Museum Buildings:* Vol. I, *A Planning Study* (1950), *The Museum in America* (3 vols., 1939), *Historic House Museums* (1933), *College and University Museums* (1942), *Museum Registration Methods* (1958), *Index to Special Articles* (1953), *So You Want a Good Museum* (1957), *A Statistical Survey of Museums in the United States and Canada* (1965); Pres. CHARLES VAN RAVENSWAAY; Dir. JOSEPH A. PATTERSON.

Academy of Natural Sciences of Philadelphia, The: 19th and the Parkway, Philadelphia, Pennsylvania 19103; f. 1812; 2,850 mems.; oldest continuous centre for natural history research in the U.S.A.; active research conducted in eight departments; natural history museum; collections from all parts of the world, heavy in type specimens and historical material; 140,000-volume research library; publs. *Proceedings* (since 1841); *Notulae Naturae*, *Frontiers;* Pres. JOHN W. BODINE, M.A., B.C.L.; Dir. H. R. ROBERTS, PH.D.

Adams National Historic Site: 135 Adams Street Quincy, Mass.; donated to the U.S. in September 1946, by the Adams Memorial Society; designated a national historic site under the administration of the National Park Service of the Department of the Interior; built in 1731 by Major Leonard Vassall of Boston; bought by John Adams in 1787 (he was Vice-President to George Washington, and became the second U.S. President 1797 to 1801). At the end of his term he lived in the house until his death in 1826. The house then passed to his son, John Quincy Adams, in the middle of his term as sixth President. After his death in 1848 the house passed to his son, Charles Francis Adams, Minister to England during the Civil War. The Adams family continued to live there until the death in 1927 of Brooke Adams, the fourth son of Charles Francis Adams. The house, contents, and garden are as the Adams family left them. The separate stone library, standing in the garden, was built in 1870

by Charles Francis Adams. It contains an estimated 14,000 volumes, comprising most of the libraries of John Adams, John Quincy Adams, and Charles Francis Adams.

Adler Planetarium and Astronomical Museum: 900 East Achsah Bond Drive, Chicago 5, Illinois; f. 1930 by Max Adler; the circular planetarium chamber seats 485 persons with a hemispherical dome of 68 feet wide; the Astronomical Museum contains a comprehensive collection of astronomical instruments, mostly ranging from the 15th century; exhibits in astronomy and related sciences; library of about 5,000 vols.; lecture hall seating 160 persons; classrooms; meteorology and photographic laboratories; optical shop; art, wood, and metal shops; eight-inch coelostat and projection spectrograph; and observation deck with several telescopes including a 16-inch diameter Cassegrain-Newtonian reflector. Programme includes classes in astronomy, navigation, rocketry and telescope making; graded school programme; public observation sessions, demonstrations, lectures and films and sponsorship of amateur astronomical societies. Pres. of Chicago Park District JAMES O. GATELY; Dir. ROBERT I. JOHNSON.

Alabama Museum of Natural History: P.O. Drawer O, University, Alabama; f. 1848; library of 40,000 vols.; Chair. ED. LEIGH MCMILLAN; Dir. Dr. WALTER B. JONES; publs. *Museum Papers, Annual Report.*

Alaska Historical Library and Museum: Box 2051, Juneau, Alaska 99801; opened to the public 1920; Eskimo exhibit collected by Dr. Daniel S. Neuman and North-west Coast Culture exhibit (Tlingit and Haida) largely collected by Lieut. George T. Emmons; the library, the most complete library of Alaskana in existence, contains some 16,500 volumes, and includes 3,000 volumes of Alaska newspapers from the first issues; ethnological collections, mineral, bird and art exhibits, and historical displays reminiscent of Russian tenure and "gold rush" days; the Alaska Herbarium is also maintained in connection with the museum; Dir. HELEN DIRTADIAN; Curator SUSAN H. L. BARROW; Librarian PHYLLIS NOTTINGHAM; publs. *Native Alaskan Art, Biennial Report.*

American Museum-Hayden Planetarium: 81st Street and Central Park West, New York 24, N.Y.; f. 1935; ths Hayden Planetarium is a theatre of the sky; by raye of light from Zeiss projector on a 75-foot dome, about 9,000 stars are shown in the Planetarium heavens; seven times in the year a new sky-show is presented dealing dramatically and scientifically with the various aspects of the heavens; Chair. and Astronomer THOMAS D. NICHOLSON; Astronomer FRANKLYN D. BRANLEY.

American Museum of Atomic Energy: P.O. Box 117, Oak Ridge, Tenn.; operated for the U.S. Atomic Energy Commission by the Information and Exhibits Division of the Oak Ridge Institute of Nuclear Studies; Chair. Dr. HAROLD T. BYCK.

American Museum of Natural History: Central Park West at 79th Street, New York City; inc. 1869; anthropology, mammals, birds, amphibians and reptiles, fishes and aquatic biology, insects and spiders, animal behaviour, conservation and general ecology, geology and palæontology, micropalæontology, astronomy. Pres. Board of Trustees ALEXANDER M. WHITE; Dir; JAMES A. OLIVER, PH.D.; Sec. and Controller WALTER F. MEISTER; Librarian GEORGE H. GOODWIN, Jr., (175,000 vols.); publs. *Natural History Magazine* (Managing Editor ROBERT EDGAR WILLIAMSON), *Scientific Publications* (Editor RUTH TYLER, M.A.); Curator/Editor-in-Chief EDWIN H. COLBERT, PH.D.

Arizona State Museum: Univ. of Arizona, Tucson, Arizona; f. 1893; devoted to the study of south-western archæology and the living Indians of the region, and the natural history of the State; engaged in archæological and ethnological research, excavation and field work in Arizona; Dir. RAYMOND H. THOMPSON, PH.D.

Art Institute of Chicago: Michigan Avenue at Adams Street, Chicago, Ill. 60603; f. 1879; 31,165 mems.; 13th to 20th century European painting; medieval and Renaissance art; prints and drawings; sculpture; Oriental arts (of 5,000 years); primitive art; decorative arts; professional schools of art and drama; Ryerson Library, f. 1901; Burnham Library, f. 1912; total of 77,690 vols. and 70,000 slides on art and architecture; also Junior Museum; Sec. LOISE LUTZ; Dir. of Administration ALLAN MCNAB; Dir. of Fine Arts JOHN MAXON; Acting Dean of the schools ROGER S. GILMORE; publs. *Calendar, Quarterly, Annual Report, Museum Studies*, exhibition catalogues.

Baltimore Museum of Art: Museum Drive, Baltimore, Md. 21218; f. 1914; collections include 2nd-6th century Antioch Mosaics, paintings by Old Masters, 18th-20th century American paintings, Cone collection of 19th and 20th century French paintings, drawings and sculptures, May collection of 20th century European paintings and sculptures, 100,000 prints from 15th century to modern times, Gallagher Memorial Collection of contemporary American paintings, Wurtzburger collection of primitive art; collections of American and European decorative arts; 4,200 mems.; Pres. JOHN W. AVIRETT II; Dir. CHARLES P. PARKHURST; publs. regular publications.

Barnes Foundation Collection: Merion Station, Montgomery County, Pa. 19066; f. 1922 by Dr. Albert C. Barnes, since 1961 open to public on two days a week for courses in the philosophy and appreciation of art; collection of 1,000 paintings, including works by El Greco, Titian, Goya, Rubens, Renoir, Cézanne, Picasso, Matisse and Van Gogh; Arboretum, with courses in botany and horticulture.

Boston Museum of Fine Arts: Boston 15, Massachusetts; a private corporation; incorp. 1870; departments of Asiatic Art with outstanding collection of Chinese and Japanese sculpture, painting, and ceramics, Indian and Mohammedan art; Egyptian Art with important collection of Old Kingdom; Classical Art with Greek and Roman sculpture, coins, and seals; American and European Decorative Arts with American furniture, silver, Medieval and Renaissance European sculpture, English and American silver; paintings of Europe and America, stressing French Impressionist, American Colonial and 19th century works; large department of Prints and Drawings; department of Textiles with Coptic, 17th-19th century European and American textiles, costumes, and tapestries; Dir. PERRY T. RATHBONE; Sec. DAVID B. LITTLE; publs. *Calendar of Events* (monthly), *Bulletin* (quarterly), catalogues, handbooks.

Brooklyn Institute of Arts and Sciences: 200 Eastern Parkway, Brooklyn 38, New York; org. 1823; Pres. FRANCIS T. CHRISTY; comprises the following four institutions:

Brooklyn Museum: Eastern Parkway, Brooklyn 38, New York; estab. 1889; aboriginal American art; Peruvian textiles; pre-Columbian gold; Costa Rican sculpture; collections from Africa, Indo China, Melanesia and Polynesia; collections from China, Japan, India and Persia; Colonial South American art; American period rooms; American and European paintings; Ancient art of the Near East, Egypt, Greece and Rome; American and European costumes; American glass, pewter and silver; Renaissance and medieval art; art reference library and Egyptological library (50,000 books and periodicals); industrial design laboratory and work

rooms; art school; Dir. THOMAS S. BUECHNER; publs. *Brooklyn Museum Annual Report*, bulletins and monographs.

Brooklyn Children's Museum: Brooklyn Avenue and Park Place, Brooklyn 13, New York; f. 1899; natural history, science and cultural collections; Dir. HELEN VOUGHT FISHER.

Brooklyn Botanic Garden and Arboretum: 1000 Washington Avenue, Brooklyn 25, New York; f. 1911; library of 53,700 vols., approx. 8,000 species and varieties; Dir. GEORGE S. AVERY, Jr.; publ. *Plants and Gardens* (quarterly).

Brooklyn Academy of Music: 30 Lafayette Avenue, Brooklyn 17, New York; Dir. W. McKELVY MARTIN; publs. *Brochure, Monthly Guide.*

Buffalo Fine Arts Academy (*incorporating Albright-Knox Art Gallery (dedicated 1905)*): 1285 Elmwood Avenue, Buffalo 22, New York; f. 1862; collection of 19th and 20th century paintings, with emphasis on American and European contemporary artists; sculpture 3,000 B.C. to present; prints; Pres. SEYMOUR H. KNOX; Treas. LARS S. POTTER; Sec. SAMUEL D. MAGAVERN; Dir. (Art Gallery) GORDON M. SMITH; Curator of Education (Art Gallery) CHARLOTTE BUEL JOHNSON.

Buffalo Museum of Science (*administered by Buffalo Society of Natural Sciences*): Humboldt Park, Buffalo 11 N.Y. 14211; building opened 1929; Exhibit halls tell the story of science in natural sequence and full colour; anthropology, astronomy, biology, botany, conchology, entomology, geology, ornithology, palæontology, primitive and oriental art, zoology, library, observatory, loan collections, lectures, motion pictures, musical programmes, day and evening classes, living museum, etc.; publs. *Science on the March* and *Buffalo Society of Natural Sciences Bulletin*; Pres. GEORGE F. GOODYEAR; Dir and Exec. Sec. FRED T. HALL.

Buhl Planetarium and Institute of Popular Science: Federal and West Ohio Streets, Pittsburgh 12, Pennsylvania; opened 1939; five galleries are devoted to exhibits in natural sciences; in the observatory a ten-inch siderostat telescope is available to the public; adult classes in astronomy, photography, geography, physics, chemistry, geology, etc.; the auditorium, seating 500 spectators, is equipped with a Zeiss planetarium projector for presentations of astronomical science; a lecture hall, seating 240 persons, is equipped for laboratory demonstrations, science films, and the use of micro-projector, epidiascope, and similar visual teaching devices; educational programme in science extends from elementary to collegiate and adult level; 10-lesson vacation courses on space-age science for children, 500 enrolments annually; Exec. Dir. C. F. WAPIENNIK.

California Palace of the Legion of Honor: Lincoln Park, San Francisco 21; presented to the City of San Francisco by Mr. and Mrs. Adolph B. Spreckels in 1924; museum of fine arts; paintings of the Italian, French, Spanish, English and American schools; tapestries, furniture and decorative arts; marbles and bronzes by Rodin; Egyptian and classical collection; houses the Achenbach Foundation for Graphic Arts; Librarian W. H. ELSNER; Dir. THOMAS CARR HOWE.

Chicago Natural History Museum: Roosevelt Road and Lake Shore Drive, Chicago 5, Illinois; f. by Marshall Field in 1893; departments: anthropology, botany, geology, zoology (birds, fishes, insects, mammals, reptiles); library: 160,000 vols; large collection of books on China, including several thousand in Chinese; Ornithological Section includes many rare and beautifully illustrated volumes; 9,000 mems.; publs. *Chicago Natural History Museum Bulletin* (monthly, formerly *Field Museum News*), *General Guide*, *Fieldiana* (technical publications in anthropology, botany, geology, and zoology), popular series in same field, design series, etc.; Pres. JAMES L. PALMER; Sec. and Dir. E. LELAND WEBBER; Treas. and Asst. Sec. EDWARD B. SMITH; Librarian META P. HOWELL.

Cincinnati Art Museum: Eden Park, Cincinnati, Ohio 45202; inc. 1881; permanent collections include: Paintings—Europe (14th-20th century); China (13th-17th century); America (18th-20th century); collections of Mary M. Emery, John J. Emery, Mary Hanna, Emilie Heine and Eva Belle and Harry S. Leyman; Sculpture—Nabataean antiquities from Khirbet Tannur; Egyptian, including Millard F. and Edna F. Shelt collections; Greek, Roman, Medieval, Renaissance, Near and Far Eastern and Modern sculpture; Prints and Drawings—Europe (15th-20th century); America (17th-20th century); collections of Herbert Greer French, Mary Hanna, Allyn C. Poole, Ross W. Sloniker and Albert P. Strietmann (colour lithographs); Miniatures—India (16th-17th century); Persia (11th-17th century); Primitive Cultures—Artifacts (17th-19th century) from N. and S. America and Africa. Decorative Arts—European arms and armour, Chinese bronzes and pottery (ancient-13th century); Near-Eastern pottery, silver, textiles, bronzes and gold; European and American period rooms, ceramics, silver, glass, lace, tapestries, and costumes; the Arthur Joseph collection of Meissen porcelain is on permanent loan; the W. T. H. Howe collection of early American glass; the William H. Doane collection of musical instruments; Library of 22,000 vols. with 178,000 pamphlets and clippings and 16,500 mounted pictures; Dir. PHILIP R. ADAMS; publ. *Bulletin* (quarterly).

City Art Museum: Forest Park, St. Louis, Mo. 63105; f. 1907; municipally owned and supported collection of about 16,013 art objects; Oriental and Western, many of international renown; 3,400 mems.; library of about 15,750 vols.; publs. *Bulletin* (bi-monthly), *Annual Report, Poster of Events* (monthly); Pres. HENRY B. PFLAGER; Dir. CHARLES E. BUCKLEY.

Cleveland Health Museum: 8911 Euclid Avenue, Cleveland, Ohio 44106; incorporated 1936, opened 1940; founded by doctors, dentists, etc.; lectures, exhibits, models, films, covering all aspects of health; permanent exhibits; loan collections; outstanding collection of 100 models on human reproduction; the "Transparent Woman"; Department of Education working with schools in Greater Cleveland, publ. *C. H. M. Newsletter* (bi-monthly), Dir. JOHN J. BEESTON, M.D.

Cleveland Museum of Art: 11150 East Boulevard, Cleveland, Ohio 44106; inc. 1913, opened 1916; collections include Old Masters and modern paintings, classical Oriental medieval and Egyptian art, and arms and armour, etc.; 9,200 mems.; library of 55,000 vols.; publ. *Bulletin* (10 per year); Pres. Mrs. R. HENRY NORWEB; Dir. SHERMAN E. LEE.

Cleveland Museum of Natural History: 10600 East Boulevard, Cleveland, Ohio; f. 1920; comprises Natural Science Museum, Mueller Planetarium and Observatory, Cleveland Aquarium, Kelley's Island and Fern Lake Reservations; scientific collections in all fields, with particular emphasis on the northern half of Ohio, including one of the world's most important collections of Upper Devonian Fossil Fishes; also insects, shells, minerals, precious and semi-precious stones, and botanical and ethnological materials; the Museum has sponsored or participated in several expeditions to Africa, islands of the South Atlantic, vicinity of the North Pole, the Azuero Peninsula of Panama, and various parts of North America; many study collections, including Elizabeth Lucas collection of floral reproductions, the Hamann skeletal collection; mounted Jurassic cetiosaurid, Haplocanthosaurus; library of 50,000 vols.; Dir. WILLIAM E. SCHEELE.

Colonial Williamsburg, Inc.: Goodwin Building, Williamsburg, Va. 23185; f. 1926; collection of 18th century English and American furniture and domestic objects arranged in 450 preserved, restored and reconstructed buildings; library of 20,000 vols., audiovisual library of 100,000 items; Pres. CARLISLE H. HUMELSINE; Dir. LESTER J. CAPPON; publ. *Annual Report*.

Cooper Union Museum: Cooper Square, New York, N.Y. 10003; Cooper Union f. 1859, Museum 1895; 90,000 items, including collections of original drawings and designs for architecture and the decorative arts; 15th to 20th-century prints; textiles, lace, woodwork and furniture, ceramics, etc.; drawings and paintings by 19th-century American artists; library of 14,000 vols.; Picture Reference Library of 700,000 illustrations; a programme of special exhibitions; Chair. of Trustees ARTHUR A. HOUGHTON, Jr.; Pres. RICHARD F. HUMPHREYS; Museum Administrator CHRISTIAN ROHLFING; Librarian EDITH ADAMS.

Currier Gallery of Art: 192 Orange Street, Manchester, New Hampshire; f. 1929; galleries devoted to oils, water colours, prints, decorative arts and sculpture; permanent collection contains works by Copley, G. B. Tiepolo, Stuart, Homer, Raeburn, Monet, Tintoretto, Constable, Corot, Ruysdael, Mabuse, van Cleve, Rouault, Matisse, Perugino, Picasso and contemporary American painters; library of 3,000 vols.; frequent loan exhibitions, lectures, chamber music, films; Dir. WILLIAM HUTTON; publ. *Bulletin* (9 times a year).

Denver Art Museum: f. 1893 as Artists' Club of Denver, became Denver Art Museum in 1925; 5 branch museums; Main Building, Schleier Memorial Gallery, West 14th Avenue, Acoma Street—changing temporary exhibitions and administration; South Wing—European, American and Spanish-American collections; Oriental Galleries, West 14th Avenue—major cultures of Asia and the Indonesian countries; Children's Museum and Museum Art School, 1370 Banrock Street—exhibitions and school for children and adults; Chappell House, 1300 Logan Street—American Indian, South Seas and African; 1,150 mems.; Pres. Board of Trustees Dr. KARL ARNDT; Sec. PETER DOMINICK; Dir. Dr. OTTO KARL BACH; publ. *Quarterly*.

Denver Museum of Natural History: Denver 6, Colorado; f. by Edwin Carter and incorporated 1900; departments: archæology, birds, geology, mammals, palæontology, spiders; 3,000 members; Pres. HUDSON FERGUSON, Jr.; Sec. RICHARD M. DAVIS; Treas. JOHN A. MOORE; Dir. ALFRED M. BAILEY; publs. *Annual Reports, Popular Series, Museum Pictorial*.

Detroit Institute of Arts: 5200 Woodward Avenue, Detroit, Mich.; f. 1885 as Detroit Museum of Art; aim is to illustrate whole range of what the arts mean in human life; rich collection of American, Dutch, Flemish and Italian painting; library of 19,500 vols.; Dir. WILLIS F. WOODS; Sec. WILLIAM A. BOSTICK; Chief Curator PAUL L. GRIGAUT; Librarian Miss CAROL M. SELBY; publs *Calendar of Events* (bi-monthly), *Bulletin* (quarterly), *The Art Quarterly*; this Museum is supported by The City of Detroit and the Detroit Museum of Art Founders Society.

Fels Planetarium: Philadelphia 3, Pa.; The Zeiss Planetarium can show the skies in the past, present, or future for extended periods. Seats 503; Dir. Dr. I. M. LEVITT.

Fine Arts Society of San Diego: Fine Arts Gallery of San Diego, Balboa Park, P.O. Box 2107, San Diego, California 92112; the collection contains paintings by: Ribera, Velasquez, Rubens, Giotto, Correggio, Canaletto, Hals, Memling, Veronese, El Greco, Murillo, Titian, Giorgione, Bellini, Lotto, Tintoretto, Piero di Cosimo, Strozzi, Rembrandt, Goya, van Dyck; early and contemporary American artists; Asiatic arts and a large selection of prints from many countries; the Fine Arts Society has a membership of about 4,000, including an "Art Guild" membership of 230 and a junior membership of 300; art library of several thousand volumes; lectures, concerts and classes are provided; Dir. WARREN BEACH.

Franklin D. Roosevelt Warm Springs Memorial Museum: Warm Springs, Ga.; f. 1961; contains Roosevelt mementoes from the Little White House.

Franklin Institute Science Museum: exhibits illustrating physical sciences and various branches of engineering, lectures, demonstrations; Dir. R. W. NEATHERY.

Freer Gallery of Art: Smithsonian Institution (*see* Learned Societies), Washington, D.C. 20560; established 1906; opened 1923; devoted to research on the outstanding collections of Chinese, Japanese, Indian and Islamic art; gift of the late Charles L. Freer, of Detroit; large collection of the works of James McNeill Whistler and his contemporaries; library of 40,000 vols.; Dir. JOHN A. POPE, M.A., PH.D.; Asst. Dir. HAROLD P. STERN, M.A., PH.D.; Head Curator Near Eastern Art RICHARD ETTINGHAUSEN; Curator Japanese Art HAROLD P. STERN, M.A., PH.D.; Curator Chinese Art JAMES F. CAHILL, M.A., PH.D.; Assoc. Curator Chinese Art WILLIAM B. TROUSDALE, M.A.; Head Cuartor Freer Gallery Laboratory R. J. GETTENS; Asst. Curator Freer Gallery Laboratory ELISABETH WEST FITZHUGH; Librarian CONSTANCE B. OLSEN; publs. *Annual Report, Occasional Papers, Oriental Studies, Ars Orientalis*, etc.

Frick Collection: 1 East 70th Street, New York, N.Y. 10021; opened 1935; collection of 14th- to 19th-century paintings; sculpture and bronzes, 15th and 18th centuries; Limoges enamels of 16th century; 17th- and 18th-century Chinese and French porcelains; Italian, French and English period furniture; these objects are not displayed as in a museum, but in the more intimate surroundings and atmosphere of the former private house of the late Henry Clay Frick; Dir. HARRY D. M. GRIER.

Gallery of Modern Art including the Huntington Hartford Collection, The: Columbus Circle, New York, N.Y. 10019; f. 1964 by Huntington Hartford; Dir. CARL J. WEINHARDT, Jr.; Curator MARGARET POTTER; publs. *Paintings from the Huntingdon Hartford Collection, Pavel Tchelitchew, Lovis Corinth, Paintings by Jean Hélion*.

Griffith Observatory and Planetarium: P.O. Box 27787, Los Feliz Station, Los Angeles 27, California; presented to the City of Los Angeles, under the will of Col. Griffith J. Griffith, who had previously (1896) presented Griffith Park to the City; opened 1935; three main divisions: the Observatory, with Zeiss twin 12-inch and 9½-inch refracting telescopes and three solar telescopes; the Hall of Science, with over 100 exhibits; the Theatre of the Heavens, with its Zeiss planetarium and space travel projectors—the theatre seats 525 people; publs. *The Griffith Observer* (illustrated, monthly), *Guide Book*, etc.; Dir. C. H. CLEMINSHAW, PH.D.

Hall of State: Dallas 26, Tex.; f. 1936; museum and archives of Texas history, operated by Dallas Historical Society (*see* Learned Societies); Dir. VIRGINIA L. GAMBRELL.

Henry Francis du Pont Winterthur Museum: Winterthur, Del.; f. 1951; collection of furniture and domestic objects arranged in over 100 period rooms from 17th century to 1840; library of 16,000 vols.; Pres. LAMMOT du PONT COPELAND; publ. *Winterthur Portfolio* (annual).

Henry E. Huntington Library and Art Gallery: San Marino, California; f. 1919 by the late Henry E. Huntington as a free research library, art gallery, museum, and botanical garden. **Art Gallery** (formerly residence of the founder) contains chiefly 18th-century British portraits and landscapes; 18th-century decorative arts (English

and French furniture, French tapestries, English miniatures, etc.); Arabella D. Huntington Memorial Art Collection in Library building consists of Renaissance Italian and Flemish Madonnas, 18th-century French sculpture, tapestries, porcelains. **Exhibitions** of paintings, art objects, books and MSS. open to public. **Botanical Gardens,** open to public, in 200-acre estate: 2,500 species and varieties of desert plants; five-acre camellia garden; Oriental garden; azaleas, roses, semi-tropical plants; Shakespeare garden; Chair. Board of Trustees HOMER D. CROTTY; Dir. JOHN E. POMFRET; Librarian ROBERT O. DOUGAN; Curators: Art ROBERT WARK, MSS. HERBERT C. SCHULZ, Rare Books CAREY S. BLISS, Prints WILLIAM A. PARISH; Supt. of Grounds MYRON KIMNACH. *See also* Libraries.

Henry Ford Museum and Greenfield Village: Dearborn, Mich.; f. 1929; general museum of American history covering 200 acres; American decorative arts, transportation, steam and electrical power, communication, agriculture, lighting, home arts, 100 historic houses and craft shops; library of 14,000 vols.; Pres. WILLIAM CLAY FORD; Sec. and Exec. Dir. DONALD A. SHELLEY.

Hispanic Society of America Museum, The: Broadway, between 155th and 156th Streets, New York, N.Y. 10032; f. 1904; free museum (collections of paintings, sculpture and the decorative arts) and reference library devoted to the presentation of the culture of the Hispanic peoples; reference file of photographs; Curator ALICE W. FROTHINGHAM.

Illinois State Museum: Springfield, Ill. 62706; f. 1875; natural history, anthropology and art; library of 10,000 vols.; Dir. MILTON D. THOMPSON; publs. *Living Museum, Report of Investigations.*

Isaac Delgado Museum of Art: Lelong Avenue, City Park, New Orleans, La. 70119; f. 1911; paintings, sculpture, prints and drawings; Morgan Whitney Collection of Oriental jades; Oriental ceramics, screens and bronzes; Howard Collections of ancient glass and Graeco-Roman ceramics; Billups Collection of glass, ancient to modern; Kress collection of Italian Renaissance paintings; Hyams collection of late 19th-century French Barbizon and salon paintings, etc.; Dir. JAMES B. BYRNES; Curator W. JOSEPH FULTON; publs. *Calendar* (monthly) occasional papers and catalogues.

Jewish Museum: 1109 Fifth Avenue, New York 28; f. 1947; Dir. SAM HUNTER; Curator TOM L. FREUDENHEIM.

John G. Shedd Aquarium: Grant Park, Chicago 5, Illinois; opened 1930; John Graves Shedd, shortly before his death in 1926, presented $3,000,000 to the people of Chicago with which to build an aquarium: the management of the project was entrusted to a group of representative business men organised as the Shedd Aquarium Society; exhibits only living specimens of aquatic life; at the end of the collecting season there is in the Aquaruim an average of 10,000 specimens, representing about 350 distinct species; Dir. WILLIAM P. BRAKER.

Kansas City Museum and Planetarium: 3218 Gladstone Boulevard, Kansas City 23, Mo.; f. 1939; Natural Science, regional history and anthropology, administered by Kansas City Museum Association for the City of Kansas City, Missouri; Dir. W. E. PHILLIPS; publ. *Bulletin* (quarterly).

Lincoln Park Zoological Gardens: Chicago 14, Ill.; f. 1874; approx. 2,500 specimens of mammals, birds, reptiles, and amphibians; operated by the Chicago Park District; open every day in the year; Dir. Dr. LESTER FISHER.

Los Angeles County Museum: Exposition Park, Los Angeles 7; Calif.; f. 1910; history, anthropology, natural sciences; library of 40,000 vols.; Dir. HERBERT FRIEDMANN; Chief Curator of Life Sciences Dr. FRED S. TRUXAL; Chief Curator of Earth Sciences Dr. THEODORE DOWNS; Chief Curator of History RUTH MAHOOD; publs. *Museum Quarterly, Contributions in Science, Bulletins* (Science and History series).

Marine Studios, Inc.: Marineland (St. Augustine), Fla.; f. 1938; includes two Oceanariums and a research laboratory for work on marine life; Chair. C. V. WHITNEY.

Mariners' Museum: Newport News, Virginia; f. 1930 by Archer M. Huntington; devoted to "the culture of the sea and its tributaries, its conquest by man, and its influence on civilization"; several hundred ship models; both builders' half-models and display models are in the collections, including the Crabtree Collection of miniature ships; collection of native boats and canoes displayed in courtyards; collections of ship ornaments, figureheads, ship carving, anchors, chain, bronze and iron cannon, small arms, cutlasses, boarding pikes, etc.; marine coins, medals and postage stamps; lighthouse and life-saving exhibit; relics from warships salvaged from the York River which were sunk there during the siege of Yorktown in 1781; a print and painting collection numbering some 12,000 items, including ports of the world, steamships, sailing vessels, yachts, etc.; several special exhibitions are held each year; the library contains some 50,000 books and pamphlets, 6,000 maps and charts, and 100,000 photographs; publs. are issued by the Museum; Dir. Rear Admiral GEORGE J. DUFEK, U.S.N. (retd.).

Maryland Historical Society: 201 West Monument Street, Baltimore 1, Maryland f. 1844; Francis Scott Key's original MS. of The Star-Spangled Banner is permanently exhibited here; the Portrait Gallery and sixteen other rooms contain more than 400 paintings and a large collection of portrait miniatures; the Museum contains the Patterson-Bonaparte collection, costumes, jewellery, silver and furniture, etc.; the Library contains more than 55,000 books, etc.; the Manuscript room includes the Calvert Papers, over 1,300 letters and documents of the Lords Baltimore and their families, genealogical collections, and many hundreds of prints and drawings; 3,500 mems.; Pres. FREDERICK W. BRUNE; Dir. HAROLD R. MANAKEE; Librarian JOHN D. KILBOURNE; publs. *Archives of Maryland*, 70 vols., 1883-; *Maryland Historical Magazine*, 60 vols., 1906-; *Maryland History Notes*, 23 vols., 1943-; *Studies in Maryland History*, 4 Nos., 1953.

Metropolitan Museum of Art, The: Fifth Avenue and 82nd Street, New York, N.Y. 10028; f. 1870; Departments: American Paintings and Sculpture, American Wing, Arms and Armour, Ancient Near Eastern Art, Costume Institute, Education (including Junior Museum), Egyptian Art, Drawings, European Paintings, Far-Eastern Art, Greek and Roman Art, Islamic Art, Medieval Art, Musical Instruments, Prints, Western European Arts; the Museum Library contains 155,000 books, 1,000 periodicals, photograph and slide library; publs. *The Bulletin, Calendar of Events, Annual Report, Special Exhibition Catalogues*, etc.; 22,346 mems.; Pres. ARTHUR AMORY HOUGHTON, Jr.; Dir. JAMES J. RORIMER; Sec. DUDLEY T. EASBY, Jr.; Treas. J. KENNETH LOUGHRY; Operating Administrator JOSEPH V. NOBLE.

The Cloisters, a branch of The Metropolitan Museum of Art, is located in Fort Tryon Park, New York; f. 1926; devoted to European medieval art; Dir. JAMES R. RORIMER; Curator THOMAS P. F. HOVING.

M. H. De Young Memorial Museum: Golden Gate Park, San Francisco 18, Calif.; estab. 1895; large collection of European and American art, paintings, sculpture; original period rooms; tapestries, furniture and other decorative arts illustrating Western cultures from ancient Egypt, Greece and Rome to 1850; art displays

from China, Japan, Indonesia and Islands of South Pacific; special collections include: Avery Brundage Collection of Oriental art, Samuel H. Kress Collection of European paintings, Roscoe and Margaret Oakes Collection of 18th-century furnishings, paintings and sculpture; Flemish tapestries donated by the William Randolph Hearst Foundation; de Young Museum Society has 2,000 mems.; Dir. JACK RICHARD MCGREGOR.

Minneapolis Society of Fine Arts, The: 201 East 24th Street, Minneapolis, Minn.; f. 1883; 4,050 mems.; library of 14,000 vols.; sponsors the Minneapolis Institute of Arts and Minneapolis School of Art; the Institute: paintings by old and modern masters of Europe and America; Egyptian, Greek, Pre-Columbian and European and American decorative arts; Alfred F. Pillsbury collection of ancient Chinese jades and bronzes, etc.; the School: accredited four-year B.F.A. degree programme in professional art training; Dir. of Institute ANTHONY M. CLARK; Dir. of School ARNOLD HERSTAND; publ. *Bulletin* (annual).

Montclair Art Museum: 3 South Mountain Avenue, Montclair, N.J.; f. 1910; paintings, sculpture (largely American) and decorative arts; North American Indian art; library of approx. 3,000 vols.; Dir. Miss KATHRYN E. GAMBLE; publ. *Bulletin* (monthly Oct.-June).

Morehead Planetarium: University of North Carolina, at Chapel Hill, N.C.; f. 1949; Zeiss Planetarium Instrument, Memorial Rotunda, Copernican Orrery, Scientific and Art Exhibitions, etc.; training laboratory for U.S. Astronauts; Dir. A. F. JENZANO.

Museum of Fine Arts, The: 1001 Bissonnet Steet, Houston, 5, Texas; incorporated in 1924; European painting and sculpture, Renaissance to present day; Oriental, Southwest Indian and pre-Columbian art; more than 25 special exhibitions annually; incorporates Museum School of Art, an accredited college offering a B.F.A. degree; Pres. EDWARD ROTAN; Dir. JAMES JOHNSON SWEENEY; publ. *Newsletter* (monthly).

Museum of Modern Art, The: 11 West 53rd Street, New York 19, N.Y.; f. 1929; collections of 20th-century paintings, drawings, prints, sculptures, design objects, photographs and posters; special departments of architecture, industrial design and photography; large collection of American, British, French, German and Russian films, about 500 of which are available for organisations to study; modern art library of 15,000 vols.; organises exhibitions in all the visual arts for circulation all over the world; Dir. RENE D'HARNONCOURT.

Museum of Navajo Ceremonial Art: Santa Fé, New Mexico; f. by Mary C. Wheelwright; incorp. 1937; the Museum contains records of the myths and ritual sand paintings of the Navajo religion; Dir. KENNETH E. FOSTER; publs. *Bulletins*, *Navajo Religion Series*.

Museum of New Mexico: Santa Fé, N.M.; f. 1909; a State agency, under Board of Regents appointed by Governor, divisions in anthropology, history, fine arts, international folk art, located in separate buildings; custody of combined libraries approx. 20,000 vols.; Dir. JAMES TAYLOR FORREST; publ. *El Palacio*, monographs, reports.

Museum of Primitive Art: 15 West 54th Street, New York, N.Y. 10019; f. 1954; library of 12,000 vols.; Curator DOUGLAS NEWTON.

Museum of Science: Science Park, Boston 14, Mass.; f. 1830; contains also Charles Hayden Planetarium; library of 20,000 vols. and pamphlets; Curator BRADFORD WASHBURN; publs. *Report* (annual), *Newsletter* (thrice yearly), *School Bulletin* (quarterly).

Museum of Science and Industry: Jackson Park, Chicago 37, Illinois; f. by Julius Rosenwald; Charter 1926; agriculture, fuels, metals, power, physics, chemistry, electronics, plastics, transportation, mathematics, graphic arts, engineering, and medical sciences; exhibits include full size coal mine, German submarine, extensive exhibit of scale models of important nuclear reaction installations by U.S. Atomic Energy Commission, National Science Foundation exhibit of all of the scientific displays presented by the United States at the Brussels World's Fair; Dir. D. M. MACMASTER; publ. *Progress* (bi-monthly).

Museum of the American Indian (*Heye Foundation*): Broadway at 155th Street, New York 32, N.Y.; f. 1916; the Museum has over 3,500,000 specimens, of which about one-quarter can be displayed at one time; the Museum's sole aim is to gather and preserve for students everything useful pertaining to the material culture of the aborigines of the Western Hemisphere; library contains 25,000 volumes; Dir. Dr. FREDERICK J. DOCKSTADER.

Museum of the City of New York: Fifth Avenue, New York, 29; f. 1923; library of 7,000 vols.; Dir. RALPH R. MILLER; publs. *Report* (annual), *Calendar of Events* (bi-monthly).

National Air Museum: Smithsonian Institution (*see* Learned Societies), Washington 25, D.C.; f. 1946 to record the national development of aviation; to collect, preserve, and display aeronautical equipment of historical interest and significance; and to provide educational material for the historical study of aeronautics. The collection contains original full-size aircraft, spacecraft, recovered space exploration vehicles, engines, instruments, flight clothing, accessories of technical, historical, and biographical interest, scale models, and extensive reference data; Dir. S. PAUL JOHNSTON, B.S.

National Archives and Records Service of the United States: National Archives Building, Pennsylvania Avenue, Washington, D.C. 20408; the National Archives Establishment, created as an independent agency in 1934, was transferred in 1949 to the newly established General Services Administration, in which it became the National Archives and Records Service; it now consists of the Office of Civil Archives, the Office of Military Archives, the Office of Federal Records Centers, the Office of Records Management, the Office of the Federal Register, and the Office of Presidential Libraries; NARS prescribes standards and methods for the efficient management of current records of the Federal Government; supervises the administration of records centres; selects, preserves, and administers in the National Archives those Federal records that have enduring value; publishes the daily *Federal Register*, the *Code of Federal Regulations*, the *Statutes at Large*, the *U.S. Government Organisation Manual* and the *Public Papers of the Presidents* and administers the Presidential libraries. In 1964 there were about 900,000 cubic feet of records in the National Archives, dated from about 1774 to 1963. On permanent display are the Declaration of Independence, the Constitution of the United States, and the Bill of Rights. Facsimiles of these and other documents are for sale. The National Archives publish aids to the use of records in custody there and reproduces bodies of records of high research value on microfilm, positive prints of which are for sale. A list of microfilm publications may be obtained upon request. Archivist of the United States WAYNE C. GROVER; Deputy Archivist of the United States, ROBERT H. BAHMER.

National Collection of Fine Arts: Constitution Avenue at Tenth Street, Washington, D.C. 20560; f. 1906; a bureau of the Smithsonian Institution; the oldest government gallery of art in the United States; the collection is concerned with the preservation and display of works of art belonging to the government, and with the encouragement and appreciation of art; includes painting, sculpture, prints, drawings and

decorative arts, with particular emphasis on American art; major collections include the William T. Evans, Henry Ward Ranger and John Gellatly, as well as George Catlin's "Indian Gallery"; services include presentation of temporary exhibits, lending of art to Federal agencies, supervision of the Smithsonian Institution Travelling Exhibition Service and the provision of facilities for art education and research; Dir. DAVID W. SCOTT, PH.D.

National Gallery of Art: Smithsonian Institution, Washington 25, D.C.; part of the Smithsonian Institution (*see* Learned Societies) but directed by its own Board of Trustees: The Chief Justice of the United States (Chair.), The Secretary of State, The Secretary of the Treasury, The Secretary of the Smithsonian Institution, JOHN HAY WHITNEY, PAUL MELLON, JOHN N. IRWIN II; estab. 1937, opened 1941; Mellon, Kress, Widener, Dale and Rosenwald collections, and other individual gifts, numbering over 27,000 works of art, including paintings, sculpture, prints, and drawings, and examples of decorative arts; library of 40,000 books and pamphlets; Exec. Officers: Pres. PAUL MELLON; Vice-Pres. JOHN HAY WHITNEY; Sec.-Treas. and Gen. Counsel ERNEST R. FEIDLER; Dir. JOHN WALKER; Administrator E. JAMES ADAMS; Chief Curator PERRY B. COTT.

Nelson-Atkins Gallery of Art: Rockhill at 45th, 4525 Oak Street, Kansas City 11, Missouri; estab. 1926 under the will of Mr. Nelson for the purchase of works of fine arts such as paintings, engravings, sculptures, tapestries, decorative arts, and rare books; the collection, begun in 1930, was opened to the public in 1933; Trustees: M. D. BLACKWELL, MILTON MCGREEVY, CLIFF C. JONES, Jr.; Dir. and Curator of Oriental Art LAURENCE SICKMAN; Senior Curator ROSS TAGGART; Curator of Painting and Sculpture RALPH T. COE; Superintendent CLARENCE SIMPSON.

Oriental Institute of the University of Chicago: 1155 East 58th Street, Chicago 37, Illinois; f. 1919; Purpose: research in the early advanced civilisations of the Near East; Collection started 1896; over 55,000 objects representing the art, religion and daily life of ancient Egypt, Nubia, Assyria, Babylonia, Persia, Palestine, Syria, Anatolia, Libya and Cyprus; Library (a specialized branch of the University of Chicago Library) of about 40,000 vols.; Dir. Oriental Institute ROBERT M. ADAMS; Museum Curator PINHAS P. DELOUGAZ.

Peabody Museum of Archaeology and Ethnology: Harvard University, Cambridge 38, Massachusetts, f. 1866 by George Peabody; it is in charge of a Director and Faculty responsible to the President and Fellows of Harvard College. The Museum works in the closest co-operation with the Department of Anthropology of Harvard, and much of the research of these two Divisions is jointly determined. Since its founding, more than 600 expeditions have been sent to every continent, resulting, with the addition of important gifts and purchases, in the building up of one of the most comprehensive and best-balanced collections of ethnology, archæology, and physical anthropology in the world. The first scientific studies of Mayan archæology were made under its direction, and its collections from this area, and from Middle America generally, are among the finest in existence. Its collections of Old World archæology, typologically arranged, are not equalled in the New World. The American School of Prehistoric Research is a department of the Museum and conducts excavations in the Old World. In ethnology, the material from the Pacific Islands, secured in part through the vision of Alexander Agassiz, is important, and the Museum is also rich in material representing the native tribes of Africa, of South America, and of the Plains and North-west Coast Indians of North America, where some of the objects date from the Lewis and Clarke expedition of 1806. The archaeology of the south-western United States, including the Pueblo Indian area, is also strongly represented. The Library, with its 80,000 books and pamphlets, covers the entire field of anthropology. It includes all the anthropological journals and other proceedings and reports of anthropological societies and museums throughout the world; Dir. JOHN OTIS BREW, A.B., PH.D.; Sec. PHILIP PHILLIPS, A.M., M.ARCH., PH.D.; publs. *Papers, Memoirs, Annual Reports, Harvard African Studies* and *Russian Translation series*.

Peabody Museum of Natural History (*Yale University*), New Haven, Connecticut; f. by a gift of George Peabody, 1866; extensive collections in the fields of anthropology, geology, invertebrate palæontology, mineralogy, oceanography, vertebrate palæontology, invertebrate zoology and vertebrate zoology, scientific instruments, each with its own Curator; Dir. A. W. CROMPTON, D.PHIL.; Deputy Dir. DAVID CHALLINOR, M.F.

Peabody Museum of Salem: 161 Essex Street, Salem, Mass. 01970; f. 1799; maritime history, ethnology and local natural history; 1,000 mems.; library of 60,000 vols.; Dir. ERNEST S. DODGE; publ. *American Neptune* (quarterly).

Pennsylvania Academy of the Fine Arts, The: Philadelphia 2, Pennsylvania; f. 1805 as an Art Gallery and Fine Arts School, the oldest in America; the permanent collection stresses American painting, sculpture, and graphics, with fine representations of each period from the early 18th century to contemporary work; the collections are constantly augmented by purchase and gift; annual exhibitions of contemporary art since 1811; special exhibitions yearly; 2,200 mems. and stockholders; school, both winter and summer; Pres. FRANK T. HOWARD; Treas. C. NEWBOLD TAYLOR; Sec. and Dir. JOSEPH T. FRASER, Jr.; Administrator of Schools M. WISTAR WOOD.

Philadelphia Museum of Art: Parkway at 26th Street, Philadelphia, Pennsylvania 19101; incorp. 1876; painting and sculpture, decorative arts, prints, Eastern art, textiles, furniture; Pres. Mrs. JOHN WINTERSTEEN; Sec. and Treas. JULIUS ZIEGET; Dir. Dr. EVAN H. TURNER; publ. *Bulletin* (quarterly).

Natural History Museum: P.O. Box 1390, San Diego 12, Calif.; f. 1874; Dir. E. YALE DAWSON.

San Francisco Museum of Art: War Memorial, Civic Center, San Francisco 2; f. by the San Francisco Art Association, inc. 1921, to foster the understanding of contemporary art by exhibitions of both present-day production and sources in the past; the Museum (re-opened January 1935) contains ten galleries; permanent and loan collections include: Albert M. Bender Collection of contemporary American and European paintings, drawings, prints, work by San Francisco artists; William L. Gerstle Collection; Museum collections include Latin American Collection, American and European collections of contemporaries; Harriet Levy Collection of contemporary French paintings; Sarah and Michael Stein Memorial Collection; reference library with emphasis on contemporary art and on periodicals; special exhibitions, about 50 annually; annual exhibitions of the San Francisco Art Association; Pres. Mrs. WALTER A. HAAS; Acting Dir. CLIFFORD PETERSON; Curator JOHN HUMPHREY; Librarian Dr. ANNELIESE HOYER; publs. monthly calendar of exhibitions, catalogues of special exhibitions.

San Jacinto Museum of History: San Jacinto Monument, Texas; f. 1939; the permanent exhibits outline the history of Texas from the time of Cortes onwards; library of 15,000 vols.; Pres. L. W. KEMP; Dir. Mrs. DAVID W. KNEPPER.

Smith College Museum of Art: Northampton, Mass.; f. 1881; principal collection is of painting of last 200 years, with emphasis on French Art of 19th century; publ. *Bulletin* (annual).

Snow Entomological Museum: University of Kansas, Lawrence, Kan.; f. 1870; one of the largest insect collections in America; it is particularly rich in specimens from all parts of the North American continent; Curator C. D. MICHENER.

Solomon R. Guggenheim Museum, The: 1071 Fifth Avenue, New York 28, N.Y.; f. 1937 and maintained by the S. R. Guggenheim Foundation; the Permanent Collection of approx. 2,000 works by 19th and 20th century artists, recently augmented by the Justin K. Thannhauser Bequest of 75 Impressionist and Post-Impressionist masterpieces, includes a large group of Brancusi sculptures, important single groups of paintings by Chagall, Delaunay, Kandinsky, Klee, Léger and Marc as well as works by Cézanne, Seurat, Bonnard, Modigliani, Picasso, Braque and others; a continuous programme of loan exhibitions is presented, drawn from its own collection and from leading public and private collections throughout the world. To stimulate public interest in contemporary art and to encourage the work of artists throughout the world, the Museum presents a triennial Guggenheim International Award Exhibition; Dir. THOMAS M. MESSER.

Texas Memorial Museum: Campus of the University of Texas, Austin 5; a centre for the conservation and display of material illustrative of the civic and natural history of Texas; geological, historical, botanical, zoological, and anthropological sections; Dir. Dr. WM. W. NEWCOMBE, Jr.; Curator of Anthropology CURTIS TUNNELL; Curator of Zoology GERALD RAUN; Sec. Mrs. IDELLA BROWNING.

United States National Museum: Washington, D.C.; the Museum, a branch of the Smithsonian Institution (*see* Learned Societies) depository of the national collections, containing 57 million catalogued items. It is especially rich in the natural science of America, including zoology, entomology, botany, geology, palæontology, archæology, ethnology, and physical anthropology, and has extensive series relating to the history of the United States and to the sciences, arts and industries. The historical collections include personalia of famous Americans, antiquarians, military, naval, numismatic, and philatelic objects, and also include objects relating to the 1914-18 and 1939-45 wars; exhibits relate to the natural sciences, to national history, and to the history and present practices of the physical sciences, technology, graphic arts, medicine and public health; Dir. F. A. TAYLOR, B.S., LL.B.; Dir. Museum of Natural History T. DALE STEWART, A.B., M.V., D.SC.; Dir. Museum of History and Technology F. A. TAYLOR, B.S., LL.B.; Head Curators: WALDO R. WEDEL, A.B., M.A., PH.D. (Anthropology), HORTON H. HOBBS, Jr., B.S., M.S., PH.D. (Zoology), J. F. GATES CLARKE, PH.C., B.S., M.S., PH.D. (Entomology), J. R. SWALLEN, A.B., M.S. (Botany), G. A. COOPER, B.S., M.S., PH.D. (Palæobiology), GEORGE S. SWITZER, B.A., M.A., PH.D. (Mineral Sciences), ROBERT P. MULTHAUF, M.A., PH.D. (Science and Technology), P. W. BISHOP, B.COM., PH.D. (Arts and Manufactures), R. H. HOWLAND, A.B., M.A., PH.D. (Civil History), M. L. PETERSON, B.S., M.A. (Armed Forces History); publs. *Annual Report, Bulletins, and Proceedings.*

University Museum: University of Pennsylvania, 33rd and Spruce Streets, Philadelphia 4, Penn.; f. 1887; archæological collection from Old and New Worlds; ethnology from the New World, Oceania and Africa; the museum also acts as a teaching organisation and leads expeditions overseas; Dir. FROELICH G. RAINEY, PH.D.

University of Kansas Museum of Art: Lawrence, Kan.; f. 1927; European, American and Oriental paintings and sculpture, including the Thayer Memorial collection and the Kress collection; ceramics, glass and time pieces; Dir. Dr. MARILYN STOKSTAD; publs. *Register* (bi-annually) and exhibition catalogues.

Virginia Museum of Fine Arts, The: Boulevard and Grove, Richmond 20, Va.; f. 1936; America's first state-wide visual arts organisation; two "Artmobiles"; medieval, Renaissance, modern and Oriental paintings, sculpture and decorative arts, Imperial Russian jewellery; early Chinese bronzes; early Greek painted vases; 10,234 mems.; Dir. LESLIE CHEEK, Jr.; publs. *Virginia Museum Members Bulletin, Arts in Virginia,* exhibition catalogues.

Walker Art Center: 1710 Lyndale Avenue South, Minneapolis, Minn.; f. 1927; paintings, drawings, prints, sculpture, ceramics, jade; Dir. MARTIN FRIEDMAN; publs. *Design Quarterly, Calendar of Events* (monthly, Sept. to May), exhibition catalogues.

Walters Art Gallery: 600 North Charles Street, Baltimore 1, Maryland; when Henry Walters died in 1931 he left to the people of Baltimore his Art Gallery and its collections and an endowment for its maintenance. The collections had been assembled over a period of ninety years by William T. Walters and his son Henry; over 25,000 objects are housed in the building; the exhibits are arranged in historical and chronological sequence on the lower and upper floors, and comprise: Egyptian art, Ancient East, Minoan and Mycenaean art, Greek, Etruscan and Roman art, Near-Eastern art, Coptic art, Byzantine art, Pre-Romanesque and Romanesque, early Gothic art, later Gothic art, Renaissance sculpture and decorative arts, manuscript illumination, incunabula, Italian painting, Renaissance and Northern Renaissance art, 17th-, 18th- and 19th; century art, Far-Eastern painting, Ancient American art; Dir. EDWARD S. KING; publs. *Journal of the Walters Art Gallery* (annual), *Report* (annual), *Handbook of the Collection, Bulletin* (monthly, Oct.-May), *Catalogue of the Egyptian Sculpture, Catalogue of the Classical Bronze Sculpture, Catalogue of the Incunabula, Catalogue of Italian Majolica, Catalogue of American Works of Art, Catalogue of Migration Arts, Catalogue of the Renaissance Painted Enamels,* photographs, postcards, leaflets, and various volumes and reproductions.

Whitney Museum of American Art: 945-953 Madison Avenue., New York, N.Y. 10021; f. 1930; established for the encouragement and advancement of contemporary American art; special exhibitions include Whitney annual and historical surveys; Dir. LLOYD GOODRICH; Assoc. Dir. JOHN I. H. BAUR.

William Hayes Fogg Art Museum: Harvard University, Cambridge, Mass. 02138; f. 1895; covers prehistoric to modern Eastern and Western Art; library of 105,000 vols., 263,000 photographs and 103,000 slides; Dir. JOHN COOLIDGE; Conservator ELIZABETH H. JONES; publ. *Annual Report.*

Worcester Art Museum: 55 Salisbury Street, Worcester, Mass.; f. 1896; membership 5,761; the permanent collection illustrates the evolution of art from early Egyptian civilisation to modern times; especially notable are ancient Egyptian, classical, Oriental and medieval sculpture; mosaics from Antioch; a French Romanesque Chapter House; a Gothic tapestry of the Last Judgment; Italian and other European schools of painting of the 13th to 20th centuries; English, French, and American collections from the 18th century to the present day; pre-Columbian art; Japanese prints; library of 23,000 vols.; Pres. MILTON P. HIGGINS; Dir. DANIEL CATTON RICH; Curator LOUISA DRESSER; Librarian ALICE MUNDT; Administrator KESTER D. JEWELL; publ. *News Bulletin and Calendar* (monthly, Oct. to May), *Worcester Art Museum Annual.*

UNIVERSITIES AND COLLEGES

Arranged alphabetically by State.

ALABAMA

ALABAMA AGRICULTURAL AND MECHANICAL COLLEGE

NORMAL, ALABAMA 35762
Telephone: Area Code 205, 852-6111.
Founded 1875.

President: R. D. MORRISON, PH.D.
Dean of Admissions: R. H. LEE.
Librarian: B. H. CONLEY.

The library contains 70,500 volumes.
Number of teachers: 84.
Number of students: 1,334.

ALABAMA COLLEGE

MONTEVALLO, ALABAMA 35115
Telephone: 665-4711.
Founded 1896.

President: Dr. D. P. CULP.
Director, Admissions and Records: L. K. MATHISON.
Librarian: R. B. SOMERS.

The library contains 87,000 volumes.
Number of teachers: 107.
Number of students: 2,000.

ATHENS COLLEGE

ATHENS, ALABAMA
Telephone: 232-1802.
Founded 1822.

President: Dr. VIRGIL B. MCCAIN, Jr.
Dean of Admissions: R. RAY.
Librarian: H. H. CARSON.

The library contains 29,222 volumes.
Number of teachers: 53.
Number of students: 1,050.

AUBURN UNIVERSITY

AUBURN, ALABAMA
Telephone: 887-6511.
Land-grant State University.

Founded in 1856 as The East Alabama Male College by the Alabama Conference of the Methodist Episcopal Church, South. College building, land, equipment and good will donated to the State 1872; name changed by Act of Legislature 1959.

President: HARRY M. PHILPOTT.
Executive Vice-President: (Vacant).
Business Manager: W. T. INGRAM.
Registrar: C. W. EDWARDS, M.A.
Dean of Faculties: M. C. HUNTLEY, M.A., LL.D.
Director of Libraries: C. H. CANTRELL, M.A., A.B.L.S., PH.D.

The library contains 500,000 volumes.
Number of teachers: 674.
Number of students: 13,000.
Publications: *Bulletin* (bi-monthly), *Catalogue* (annual), *This is Auburn*, *Plainsman*, *Glomerata*, *Faculty Newsletter* (monthly).

DEANS:

Director of Agricultural Experiment Stations: E. V. SMITH, M.S., PH.D.
Director of Engineering Experimental Stations: F. H. PUMPHREY, B.E.A., E.E.
Director of Agricultural Extension: F. ROBERTSON, M.S., PH.D.
School of Agriculture: E. V. SMITH, M.S., PH.D.
School of Architecture and the Arts: W. E. SPEER, B.ARCH., M.ARCH.
School of Chemistry: C. R. SAUNDERS, M.S., PH.D.
School of Education: T. M. PIERCE, M.A., PH.D.
School of Engineering: F. H. PUMPHREY, B.E.A., E.E.
Graduate School: W. V. PARKER, M.A., PH.D.
School of Home Economics: MARION WALKER SPIDLE, M.A.
School of Pharmacy: S. T. COKER, M.S., M.A., PH.D.
School of Science and Literature: R. W. ALLEN, M.S., M.A., PH.D.
School of Veterinary Medicine: J. E. GREENE, D.V.M., M.S.

BIRMINGHAM-SOUTHERN COLLEGE

BIRMINGHAM, ALABAMA

Southern University founded in Greensboro 1856, Birmingham College opened 1898; consolidated as Birmingham-Southern College 1918.

President: HOWARD M. PHILLIPS.
Registrar: R. HITES.
Bursar: R. H. WALSTON, A.B.
Treasurer: N. M. YEILDING, A.B.
Librarian: MARGARET H. HUGHES, M.S.

Number of teachers: 68.
Number of students: 615 men, 474 women, total 1,089.

DEANS:

College: C. E. ABERNETHY, A.M., PH.D.
Women: ELIZABETH B. COTHRAN, A.B., M.A.

FLORENCE STATE COLLEGE

FLORENCE, ALABAMA 35630
Telephone: 766-4100.

Founded 1872 (as a State institution).

President: E. B. NORTON.
Registrar: C. M. AREHART.
Librarian: Miss RUTH DACUS.

The library contains 75,000 volumes.
Number of teachers: 130.
Number of students: 2,600.

HOWARD COLLEGE

800 LAKESHORE DRIVE,
BIRMINGHAM 9, ALABAMA
Founded 1841.

President: LESLIE S. WRIGHT, A.B., M.A., LL.D.
Chancellor: HARWELL G. DAVIS, LL.D., L.H.D.
Dean: J. A. FINCHER, M.S., PH.D.
Registrar: J. A. CLARKE, A.B., M.R.E.
Librarian: F. W. HEMBOLD, B.A., M.A.

Number of teachers: 147, including 45 professors.
Number of students: 1,532 men, 883 women, total 2,415.
Publication: *Bulletin*.

DEANS:

Dean of Students: A. L. WALKER, Jr., TH.D.
Director of Testing and Counselling: B. E. LUNCEFORD, ED.D.
Women: MARGARET D. SIZEMORE, A.M., D.N.
Dean of Religion: G. L. GUFFIN, TH.M., TH.D., D.D.
Dean, Cumberland School of Law: A. A. WEEKS, LL.B., LL.M.
Director, Division of Pharmacy: W. BYRUM, PH.D.
Chairman, Division of Graduate Studies: L. N. ALLEN, M.D., PH.D.

HUNTINGDON COLLEGE

1500 E. FAIRVIEW AVENUE,
MONTGOMERY, ALABAMA 36106
Telephone: Area Code 205, 263-1611.
Founded 1854.

President: HUBERT SEARCY.
Registrar: JEAN RODGERS.
Dean: P. T. STONE.
Librarian: Dr. R. G. MASSENGALE.

The library contains 64,676 volumes.
Number of teachers: 64.
Number of students: 1,018.

LIVINGSTON STATE COLLEGE

LIVINGSTON, ALABAMA
Telephone:-652 5241.
Founded 1835.

President: JOHN E. DELONEY.
Registrar: Mrs. GEORGIA C. MELLOWN.
Librarian: Mrs. JANIE MORGAN.

The library contains 50,000 volumes.
Number of teachers: 43.
Number of students: 1,000.

SPRING HILL COLLEGE

4307 OLD SHELL ROAD,
MOBILE, ALABAMA
Telephone: 342-1531.
Founded 1830.

President: Very Rev. A. WILLIAM CRANDELL, S.J.
Registrar: T. G. FINK.
Librarian: J. ZIETZ.

The library contains 99,700 volumes.
Number of teachers: 93.
Number of students: 1,331.

STILLMAN COLLEGE
P.O. DRAWER 1430,
TUSCALOOSA, ALABAMA
Telephone: Area Code 205, 752-2548.
Founded 1876.

President: (Vacant).
Registrar: Mrs. EVELYN E. NALL.
Librarian: Miss MARTHA L. O'ROURKE.
The library contains 30,000 volumes.
Number of teachers: 40.
Number of students: 620.

TROY STATE COLLEGE
TROY, ALABAMA 36081
Telephone: 566-3000.
Founded 1887.

President: RALPH W. ADAMS.
Registrar: Miss BESS MCCANN.
Librarian: Mr. K. CROSLIN.
The library contains 61,000 volumes.
Number of teachers: 103.
Number of students: 2,500 on main campus.

TUSKEGEE INSTITUTE
ALABAMA 36088
Telephone: 727-2000.
Founded 1881.

President: Dr. L. H. FOSTER.
Registrar: T. C. BURNETTE.
Admissions Officer: R. H. HENRY.
Librarian: M. D. SPRAGUE.
The library contains 137,747 volumes.
Number of teachers: 309.
Number of students (Fall 1964): 2,612.

UNIVERSITY OF ALABAMA
UNIVERSITY, ALABAMA
Founded 1831.

President: FRANK A. ROSE, A.B., LL.D.
Comptroller: W. E. PICKENS, Jr., B.S.
Librarian: W. S. HOOLE, M.A., PH.D.
Curator: R. CHERMOCK, M.A., PH.D.
Number of teachers: 685.
Number of students: 5,713 men, 3,296 women, total 9,009.
Publications: *Business News*, *Alumni News*, *University Studies*, *Review*, etc.

DEANS:

Administration: H. D. BONHAM.
Admissions: H. E. MATE, M.A., PH.D.
College of Arts and Sciences: F. W. CONNER, M.A., PH.D.
School of Chemistry, Metallurgy and Ceramics: R. D. BROWN, M.S., PH.D.
School of Commerce and Business Administration: S. P. GARNER.
College of Education: R. L. HOPPER, M.ED., PH.D.
College of Engineering: J. R. CUDWORTH, S.B., M.S., SC.D.
Graduate School: E. RODGERS, M.A., PH.D.
School of Home Economics: E. N. TODHUNTER, M.S., PH.D.
School of Law: L. M. HARRISON, LL.M.
Medical College of Alabama: S. R. HILL, A.B., M.D.
School of Dentistry: C. A. MCCALLUM, A.B., D.DC., M.D.
Summer School: L. T. LEE, M.A., ED.D.

ASSOCIATED COLLEGES:

Medical College of Alabama in Birmingham.

School of Dentistry in Birmingham.

ALASKA

UNIVERSITY OF ALASKA
COLLEGE, FAIRBANKS, ALASKA
Telephone: 479-3311.

Founded 1915 as Alaska Agricultural College and School of Mines; name changed 1935.

President: WILLIAM R. WOOD, PH.D., LL.D.
Academic Vice-President: H. A. CUTLER, PH.D.
Vice-President for Research and Advanced Study and Director: K. M. RAE, PH.D.
Dean of Students: L. E. HAINES, PH.D.
Comptroller: H. BYRD, B.B.A.
Registrar: LAURA JONES, B.A.
Librarian: T. RYBERG, M.S.
Director of Museum: L. ROWINSKI.
Number of teachers: 134.
Number of students: 1,600.
Publications: *Nanook Says*, *The "A" Book*, *Catalog*.

DEANS:

College of Arts and Letters: C. J. KEIM, M.A.
College of Biological Science: B. KESSEL, PH.D.
College of Business, Economics and Government: W. M. DICKSON, PH.D.
College of Earth Science and Mineral Industry: E. H. BEISTLINE, E.M.
College of Mathematics, Physical Science and Engineering: C. SARGENT, M.S.
College of Behavorial Science and Education: C. K. RAY, ED.D.
Statewide Services: A. S. BUSWELL, PH.D.
Geophysical Institute: K. B. MATHER, M.SC.
Institute of Marine Science: K. M. RAE, PH.D. (*Director*).
Arctic Research Laboratory: M. BREWER, B.S. (*Executive Director*).
Institute of Business, Economics and Government Research: W. M. DICKSON (*Acting Director*).
Institute of Arctic Biology: L. IRVING (*Director*).
Institute of Water Resources Research: C. E. BEHLKE.

ARIZONA

ARIZONA STATE COLLEGE
FLAGSTAFF, ARIZONA
Telephone: 774-6611.
Founded 1899.

President: J. LAWRENCE WALKUP.
Registrar: W. HENSLEY.
Admissions Officer: C. COOR.
Librarian: R. QUICK.
The library contains 120,000 volumes.
Number of teachers: 250.
Number of students: 5,500.

ARIZONA STATE UNIVERSITY
TEMPE, ARIZONA
Telephone: 966-3011.
Founded 1885.

President: Dr. G. HOMER DURHAM.
Vice-President: Dr. G. B. CASTLE.
Vice-President for Research: Dr. W. J. BURKE.
Academic Vice-President: Dr. J. C. SCHABACKER.
Business Vice-President: G. L. CADY.
Registrar: A. THOMAS, Jr.
Librarian: Dr. A. D. COVEY.
The library contains 450,985 volumes.
Number of teachers: 765.
Number of students: 17,046.

DEANS:

College of Liberal Arts: Dr. K. H. DANNENDELDT.
College of Education: Dr. G. D. MCGRATH.
College of Business Administration: Dr. G. D. OVERMAN.
College of Engineering Sciences: Dr. L. P. THOMPSON.
Graduate College: Dr. W. J. BURKE.
Graduate School of Social Service Administration: Dr. H. W. LUNDBERG.
School of Engineering: Dr. L. P. THOMPSON.
College of Law: Dr. W. H. PEDRICK.
College of Architecture: J. W. ELMORE.
College of Nursing: LORETTA A. HANNER.
Students: Dr. W. P. SHOFSTALL, Dr. CATHERINE G. NICHOLS.

UNIVERSITY OF ARIZONA
TUCSON, ARIZONA
Telephone: MAin 4-8181.
Founded 1885.

President: RICHARD A. HARVILL, PH.D., LL.D.
Academic Vice-President: W. H. DELAPLANE, PH.D.
Vice-President for Planning and Development: S. C. MCMILLAN, M.B.A.
Vice-President for University Relations: M. D. JOHNSON, M.SC.
Registrar: D. L. WINDSOR, M.A.
Comptroller: K. R. MURPHY, B.S.
Librarian: R. K. JOHNSON, PH.D.
The library contains over 950,000 volumes.
Number of teachers: 1,191.
Number of students: 11,737 men, 6,998 women, total 18,735.
Publications: *Arizona Quarterly* (Literature), *Arizona Law Review*, *Arizona and the West* (Quarterly Journal of History), *Record*, *Bulletin*, *Business and Economic Review* (monthly), agricultural publications.

DEANS:

College of Agriculture: H. E. MYERS, PH.D.
College of Architecture: S. W. LITTLE, M.ARCH.
College of Business and Public Administration: C. W. VORIS, PH.D.
College of Education: F. R. PAULSEN, ED.D.
College of Engineering: H. S. COLEMAN, PH.D.
College of Fine Arts: R. L. HULL, PH.D.
College of Law: J. D. LYONS, J.D.
College of Liberal Arts: F. A. ROY, PH.D.
College of Medicine: M. K. DUVAL, M.D.
College of Mines: J. D. FORRESTER, PH.D.
College of Nursing: PEARL P. COULTER, M.S.
College of Pharmacy: W. R. BREWER, PH.D.
Graduate College: H. D. RHODES, PH.D.
Division and Continuing Education and Summer Session: P. GAINES, PH.D.
Men: E. M. GAINES, PH.D.
Women: KAREN L. CARLSON, PH.D.

PROFESSORS:

ALCORN, S. M., Plant Pathology
ALLEN, P. M., Education
ALLEN, RUTH A., Home Economics
ALLEN, R. V., Education
ALTMAN, ELENORE, Music
ANDERSON, R. A., Aerospace and Mechanical Engineering
ANTHONY, J. R., Music
ANTHONY, J. W., Geology
AYERS, D. M., Classics
BAGNARA, J. T., Zoology
BAKER, W. J., Law
BARNES, K. K., Agricultural Engineering
BARNES, W. S., Law
BARTLETT, N. R., Psychology
BASHKIN, S., Physics
BEATSON, J. A., History
BEATTIE, A. H., Romance Language
BECK, JEAN R., German
BECKER, S., Electrical Engineering
BEMIS, W. P., Horticulture
BLECHA, M. K., Education
BLITZER, L., Physics
BLOOM, J. H., Music
BOGART, F. O., Accounting
BOLAND, V. F., Economics
BOTTACCINI, M., Aerospace Mechanical Engineering
BOWEN, T., Physics
BOWERS, R. V., Sociology
BOYLE, ALICE M., Plant Pathology
BRETALL, R. W., Philosophy
BREWER, W. R., Pharmacy
BROOKS, J., Romance Languages
BROWN, C. H., Law
BROWN, E. J., Economics
BRYANT, D. L., Geology
BUCHHAUSER, A. W., Music
BUCKMAN, C. J., Systems Engineering
BURKHARDT, I., Horticulture
BURROUGHS, R. C., Drama
CALDWELL, MARY E., Pharmacy
CALL, R. V., Marketing
CAMPBELL, B. P., Journalism
CARRUTH, L. A., Entomology
CASADAY, L. W., Economics
CHADWICK, L. T., Architecture
CHAPMAN, J. W., Air Science
CHAPMAN, T. G., Metallurgical Engineering
CHIASSON, R. B., Zoology
CHIN, L., Pharmacy
CHRISTENSEN, H., Aerospace and Mechanical Engineering
CHRISTOPHERSON, V. A., Home Economics
CLIFFORD, W. H., Military Science
CLINE, R. W., Agricultural Education
COAN, R. W., Psychology
COCKRUM, E. L., Zoology
COHN, H., Mathematics
COLE, J. R., Pharmacy
CONLEY, E. T., Music
CONRAD, F. A., Sociology
CORRIN, M. L., Chemistry
COULTER, PEARL P., Nursing
CUNNINGHAM, J. B., Metallurgical Engineering
DAMON, P. E., Geology
DANIELSON, P. J., Education
DAVIS, M. V., Nuclear Engineering
DAVIS, R. J., Law
DAVIS, W. C., Marketing
DAY, A. D., Agronomy
DEAN, W. R., Mathematics
DEMER, L. J., Metallurgical Engineering
DEUTSCHMAN, A. J., Agricultural Biochemistry
DEWHIRST, L. W., Animal Pathology
DONAHUE, D. J., Physics
DONOHUE, J., History
DOZIER, E. P., Anthropology
DU BOIS, R. L., Geology
DUCKSTEIN, L., Systems Engineering
EDWARDS, R. M., Chemical Engineering
EHRENREICH, J. H., Watershed Management
ENDRIZZI, J. E., Plant Breeding
ENKE, F. A., Health, Physical Education and Recreation
EVANS, D. D., Agricultural Chemistry and Soils
EVANS, W. H., Electrical Engineering
EVETT, A. A., Physics
EWING, R. C., History
FAIN, S. S., Music
FAZIO, S., Horticulture
FERNANDO, Q., Chemistry
FINK, W. H., Economics
FISHER, W. D., Plant Breeding
FITCH, W. S., Astronomy
FLIPPO, E. B., Management
FOGEL, M. M., Agricultural Engineering
FORSTER, L. S., Chemistry
FOSTER, A. G., Aerospace and Mechanical Engineering
FREEH, E. J., Chemical Engineering
FREISER, H., Chemistry
FROST, K. R., Agricultural Engineering
FULLER, W. H., Agricultural Chemistry and Soils
GARRETSON, O. K., Education
GEGENHEIMER, A., English
GETTY, H. T., Anthropology
GIBBINGS, F. T., Health, Physical Education and Recreation
GIFFORD, G. L., Economics
GILLMOR, F., English
GOMEZ, R. A., Government
GOULD, L. M., Geology
GRAESSER, R. F., Mathematics
GREEN, T. H., Law
GRIES, G. A., Plant Pathology
GROEMER, H., Mathematics
GRYTING, L. A. T., Romance Languages
GUSTAVSON, R. G., Administration
HAAS, L., Art
HALE, W. H., Animal Science
HALL, T. L., Law
HAMILTON, D. J., Electrical Engineering
HAMILTON, K. C., Agronomy
HAMILTON, MARIE P., English
HARLAN, J. A., Management
HARRENSTEIN, H., Civil Engineering
HARSHBARGER, J. W., Geology
HARTSELL, O. M., Music
HAURY, E. W., Anthropology
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HECK, G., Architecture
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HETRICK, D. L., Nuclear Engineering
HILBERRY, N., Nuclear Engineering
HILLMAN, J. S., Agricultural Economics
HOWARD, R. M., Accounting
HOSHAW, R. W., Botany
HOSLEY, R., English
HOUGHTON, N. D., Government
HOWE, J. H., Speech
HUELSMAN, L. P., Electrical Engineering
HUGHES, MARIE M., Education
HULSE, F. S., Anthropology
HUMPHREY, R. R., Watershed Management
INCE, S., Civil Engineering
IRWIN, J. J., Law
JENSEN, MILDRED R., Home Economics
JETER, W. S., Microbiology
JOHNSON, H., Lunar and Planetary Laboratory
JOHNSON, H. P., Music
JONES, R. C., Electrical Engineering
KASSANDER, A. R., Meteorology
KECECIOGLU, D., Aerospace and Mechanical Engineering
KEENER, D. P., Plant Pathology
KELLER, K. K., Nuclear Engineering
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KELLY, W. H., Bureau of Ethnic Research
KELSO, M. M., Agricultural Economics
KELSO, P., Government
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KENNEDY, RUTH L., Romance Languages
KINZER, J. R., Education
KIRK, W. K., Finance
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LANCE, J. F., Geology
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LINGER, D. A., Civil Engineering
LITTLE, S. W., Architecture
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Mees, Q. M., Civil Engineering
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Muir, A. L., English
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Noble, R. H., Observatory
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Park, J. C., Civil Engineering
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Peters, W. C., Mining and Geological Engineering
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Phillips, W. S., Botany
Picard, J. L., Health, Physical Education and Recreation
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Pilgrim, Mary, Physical Education for Women
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Pye, W. D., Geology
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Reid, B. L., Poultry Science
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Robins, H. F., English
Rodriguez, M., History
Rogers, W. L., Aerospace and Mechanical Engineering
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Rosaldo, R. I., Romance Languages
Roseveare, G. H., Arizona Bureau of Mines
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Seale, R. L., Nuclear Engineering
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Shoults, S. W., Public Administration
Siegel, A., Agricultural Biochemistry
Simonian, V. H., Pharmacy
Simpson, E. S., Geology
Sloane, R., Civil Engineering
Smith, C. M., Law
Smith, D. W., Education
Smith, H. H., Microbiology
Sorensen, Gladys E., Nursing
Sowls, L. K., Wildlife Management
Sparks, G. F., Speech
Spicer, E. H., Anthropology
Stanberry, C. O., Agricultural Chemistry and Soils
Stanislawski, D., Geography
Stanley, E. B., Animal Science
Stapleton, H. N., Agricultural Engineering
Staubach, C. N., Romance Languages
Stewart, H. E., Electrical Engineering
Stinson, D. C., Electrical Engineering
Stith, L. S., Plant Breeding
Stokes, M. B., Education
Stott, G. H., Dairy Science
Stoyanow, A., Geology
Strang, Ruth M., Education
Streets, R. B., Plant Pathology
Stubblefield, T., Agricultural Economics
Stull, J. W., Dairy Science
Svob, R. S., Health, Physical Education and Recreation
Taylor, B. R., Animal Science
Thornburg, M. L., Aerospace and Mechanical Engineering
Thrift, Inez, English
Titt, E. W., Systems Engineering
Tomizuka, C. T., Physics
Tucker, H., Systems Engineering
Tucker, T. C., Agricultural Chemistry and Soils
Vail, R. St. P., Aerospace and Mechanical Engineering
Van Slyck, W. N., Law
Vavich, M. G., Agricultural Biochemistry
Voris, M., Art
Wallraff, C. F., Philosophy
Wangsness, R. K., Physics
Watts, R. E., Animal Pathology
Weaver, A. B., Physics
Weaver, L. E., Nuclear Engineering
Webb, D. L., Mathematics
Weldon, R. J., Systems Engineering
Wertman, K. F., Microbiology
Whitby, W. M., Romance Languages
White, D. H., Chemical Engineering
Wilska, A. P., Physics
Wilson, A. W., Geography
Wilson, H. B., Education
Wood, E. G., Marketing
Woodrow, A. W., Geography
Woods, A. H., Medicine
Wright, L. N., Agronomy
Wyckoff, R. W. G., Physics
Wymore, A. W., Systems Engineering
Younggren, N. A., Biology
Zapotocky, J. A., Pharmacy

ARKANSAS

ARKANSAS COLLEGE

P.O. BOX 1461, BATESVILLE, ARKANSAS 72501
Telephone: 501—RI3-2282.
Founded 1872.

President: Dr. Paul M. McCain.
Registrar: Dr. Roberta D. Brown.
Librarian: Mrs. Dorothy Sydenstricker.

The library contains 40,000 volumes.
Number of teachers: 25.
Number of students: 400.

ARKANSAS POLYTECHNIC COLLEGE

RUSSELLVILLE, ARKANSAS 72802
Telephone: 967-2464.
Founded 1909.

President: J. W. Hull.
Registrar: B. L. Harton.
Librarian: W. A. Vaughn.

The library contains 42,474 volumes.
Number of teachers: 77.
Number of students: 1,686.

ARKANSAS STATE COLLEGE

STATE COLLEGE, ARKANSAS 72467
Telephone: Area Code 501, WEbster 2-4162.
Founded 1909.

President: Carl R. Reng.
Registrar: L. C. Howell.
Librarian: A. L. Raney.

The library contains 80,000 volumes.
Number of teachers: 150.
Number of students: 4,000.

HARDING COLLEGE

SEARCY, ARKANSAS
Telephone: Chestnut 5-4550.
Founded 1924.

President: Dr. Clifton L. Ganus, Jr.
Registrar: D. V. Lawyer.
Librarian: Miss Shirley Birdsall.

The library contains 75,000 volumes.
Number of teachers: 80.
Number of students: 1,550.

HENDERSON STATE TEACHERS COLLEGE

ARKADELPHIA, ARKANSAS 71923
Telephone: Area Code 501, CHapel 6-5511.
Founded 1890 as church-related college; became a state institution in 1929.

President: M. H. Russell.
Registrar: C. B. Cooper.
Librarian: Miss Allie C. Wilson.

The library contains 58,000 volumes.
Number of teachers: 85.
Number of students: 2,062.

HENDRIX COLLEGE

CONWAY, ARKANSAS 72032
Telephone: FA9-3435.
Founded 1884.

President: Marshall T. Steel.
Registrar: V. Hill.
Librarian: Frances Nix.

The library contains 60,000 volumes.
Number of teachers: 44.
Number of students: 700.

LITTLE ROCK UNIVERSITY

33RD & UNIVERSITY, LITTLE ROCK, ARKANSAS
Telephone: LO 5-7531.
Founded 1927.

President: Dr. Carey V. Stabler.
Registrar: Dr. D. Beard.
Librarian: J. Allen.

The library contains 60,000 volumes.
Number of teachers: 70.
Number of students (Spring of 1965): 2,500.

PHILANDER SMITH COLLEGE

812 WEST 13TH STREET,
LITTLE ROCK, ARKANSAS 72203

Telephone: FR. 5-9845.

Founded 1877.

President: Dr. ERNEST T. DIXON, Jr.
Registrar: Mrs FAUSTENIA S BOMAR.
Librarian: Mrs. JUNE D. CULLINS.

The library contains 40,000 volumes.
Number of teachers: 47.
Number of students (Spring 1965): 540.

SOUTHERN STATE COLLEGE

MAGNOLIA, ARKANSAS

Telephone: CE4-5120.

Founded 1909.

President: IMON E. BRUCE.
Dean of Admissions: M. B. TALLEY.
Librarian: VELMA L. ADAMS.

The library contains 39,000 volumes.
Number of teachers: 75.
Number of students: 1,900.

UNIVERSITY OF ARKANSAS

FAYETTEVILLE, ARKANSAS

Telephone: Hillcrest 3-4511.

Established 1871. Opened 1872.

President: DAVID W. MULLINS, B.A., M.A., ED.D.
Administrative Vice-President: J. W. GREEN, Jr., B.S., M.S., PH.D.
Vice-President for Academic Affairs: P. M. YOUNG, A.B., M.A., PH.D.
Vice-President for Agriculture: J. W. WHITE, PH.D.
Vice-President for Health Sciences: S. WHALEY, B.A.
Vice-President for Business: J. E. POMFRET, B.S., B.A.
Registrar: C. A. SHORT, B.A., M.S.
Librarian: M. A. MILLER, B.A., B.S. in L.S.
Director of Museum: C. R. MCGIMSEY, A.B., M.A., PH.D.

Number of teachers: 548.
Number of students: 5,957 men, 2,465 women, total 8,422.

DEANS:

College of Agriculture: G. T. HUDSON, B.S., M.S., PH.D.
College of Arts and Sciences: R. KRUH, A.B., PH.D.
College of Business Administration: P. W. MILAM, M.B.A., D.C.S.
College of Education: H. H. KRONENBERG, M.A., PH.D.
College of Engineering: G. F. BRANIGAN, B.S.C.E., M.S.
Graduate School: V. W. ADKISSON, A.B., PH.D.
School of Law: R. BARNHART, B.A., LL.B.
Vice-President for Health Sciences: S. WHALEY, B.A.
School of Medicine: Dr. W. K. SHOREY.
School of Pharmacy: S. G. MITTELSTAEDT, A.B., M.S., PH.D.
School of Nursing: (Vacant).
Graduate Institute of Technology: W. B. STILES, PH.D.

CALIFORNIA

ARMSTRONG COLLEGE

2222 HAROLD WAY,
BERKELEY, CALIFORNIA 94704

Telephone: Area Code 415, 848-2500.

Founded 1918.

President: JOHN E. ARMSTRONG.
Registrar: ALTA E. WINTER.
Librarian: J. J. MORRIS.

The library contains 9,000 volumes (approx.).
Number of teachers: 33.
Number of students: 525.

THE ART CENTER COLLEGE OF DESIGN

5353 WEST 3RD STREET,
LOS ANGELES, CALIFORNIA 90005

Telephone: (213) 938-5166.

Founded 1930 as the Art Center School.

President: E. A. ADAMS.
Registrar: KARLA MARTELL.
Librarian: ANNE FESTEN.

The library contains 4,500 volumes.
Number of teachers: 83.
Number of students: 650.

BIOLA COLLEGE

13800 BIOLA AVENUE,
LA MIRADA, CALIFORNIA

Telephone: WHitney 13224.

Founded 1908.

President: SAMUEL H. SUTHERLAND.
Registrar: Miss BARBARA BARKE.
Director of Admissions: W. CARDEN.
Librarian: Dr. A. D. EHLERT.

The library contains 73,000 volumes.
Number of teachers: 74.
Number of students: 1,000.

BROOKS INSTITUTE OF PHOTOGRAPHY

2190 ALSTON ROAD,
SANTA BARBARA,
CALIFORNIA 93103

Telephone: 805—969-2291.

Founded 1945.

President: ERNEST H. BROOKS.
Registrar: G. C. WHIPPLE, PH.D.

Number of teachers: 14.
Number of students: 275.

CALIFORNIA BAPTIST COLLEGE

8432 MAGNOLIA AVENUE,
RIVERSIDE, CALIFORNIA 92504

Telephone: 689-5771.

Founded 1950.

President: LOYED R. SIMMONS, B.A., TH.M., TH.D.
Registrar: D. H. JONES, B.A., M.A.
Librarian: SIBYL BROWN, A.B., M.S.L.S.

The library contains 55,000 volumes.
Number of teachers: 42.
Number of students: 697.

CALIFORNIA COLLEGE OF MEDICINE
(Affiliated with the University of California)

1721 GRIFFIN AVENUE,
LOS ANGELES, CALIFORNIA 90031

Telephone: Area Code 213, 223-1381.

Founded 1896.

Provost: W. BALLENTINE HENLEY.
Registrar: W. L. BRANDT.
Librarian: MARGARET D. CRESSATY.

The library contains 49,342 volumes.
Number of teachers: 437.
Number of students: 367.

CALIFORNIA INSTITUTE OF TECHNOLOGY

PASADENA, CALIFORNIA

Founded 1891.

President: LEE A. DUBRIDGE, PH.D., SC.D., LL.D., L.H.D.
Vice-President for Business Affairs: R. B. GILMORE, B.S., C.P.A.
Provost: R. F. BACHER, PH.D., SC.D.
Dean of Graduate Studies: F. BOHNENBLUST, PH.D.
Dean of Admissions: L. W. JONES, A.B.
Dean of Students: P. C. EATON, A.M.
Dean of Freshmen: T. F. STRONG, M.S.
Comptroller: R. T. BAKER, B.S.
Secretary: J. N. EWART, M.B.A.
Registrar: J. B. WELDON, M.A.
Librarian: H. OSTVOLD, M.A.

The library contains 161,443 volumes.
Number of teachers: 550.
Number of students: 1,392.

CHAIRMEN OF DIVISIONS:

Biology: R. D. OWEN, PH.D.
Chemistry and Chemical Engineering: J. D. ROBERTS, PH.D.
Engineering and Applied Science: F. C. LINDVALL, PH.D.
Geological Sciences: R. P. SHARP, PH.D.
Humanities: H. D. SMITH, PH.D.
Physics, Mathematics and Astronomy: C. D. ANDERSON, PH.D.

PROFESSORS:

ALLEN, C. R., PH.D., Geology
ANDERSON, C. D., PH.D., SC.D., LL.D., Physics
APOSTOL, T. M., PH.D., Mathematics
BACHER, R. F., PH.D., SC.D., Physics
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BARNES, C. A., PH.D., Physics
BOEHM, F., PH.D., Physics
BOHNENBLUST, H. F., PH.D., Mathematics
BONNER, J. F., PH.D., Biology
BORSOOK, H., PH.D., M.D., Biochemistry
BROOKS, N. H., PH.D., Civil Engineering
BROWN, H. S., PH.D., Geochemistry
CAMPBELL, D. H., PH.D., Immunochemistry
CAUGHEY, T. K., PH.D., Applied Mechanics
CHRISTY, R., PH.D., Theoretical Physics
CLARK, D. S., PH.D., Mechanical Engineering
CLARK, J. K., PH.D., English
COLE, J. D., PH.D., Aeronautics
COLES, D. E., PH.D., Aeronautics
CORCORAN, W. H., PH.D., Chemical Engineering
COREY, R. B., PH.D., Structural Chemistry
COWAN, E. W., PH.D., Physics
DAVIDSON, N. R., PH.D., Chemistry

DAVIS, L., Jr., PH.D., Theoretical Physics
DELBRÜCK, M., PH.D., Biology
DEPRIMA, C. R., PH.D., Mathematics
DILWORTH, R. P., PH.D., Mathematics
DIX, C. H., PH.D., Geophysics
DREYER, W. J., PH.D., Biology
DUWEZ, P., D.SC., Materials Science
EAGLESON, H., PH.D., English
ELLIOT, D. C., PH.D., History
EMERSON, S., PH.D., Genetics
EPSTEIN, S., PH.D., Geochemistry
FEYNMAN, R. P., PH.D., Theoretical Physics
FOWLER, W. A., PH.D., Physics
FRANKLIN, J. N., PH.D., Applied Mechanics
FRIEDLANDER, S. K., PH.D., Chemical and Environmental Health Engineering
FUNG, Y.-C., PH.D., Aeronautics
GARSIA, A. M., PH.D., Mathematics
GELL-MANN, M., PH.D., Theoretical Physics
GILBERT, H. N., M.B.A., Business Economics
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HAMMOND, G. S., PH.D., Organic Chemistry
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HOROWITZ, N. H., PH.D., Biology
HOUSNER, G. W., PH.D., Civil Engineering and Applied Mechanics
HUDSON, D. E., PH.D., Mechanical Engineering and Applied Mechanics
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KLEIN, A. L., PH.D., Aeronautics
KNOWLES, J. K., PH.D., Applied Mechanics
KUPPERMANN, A., PH.D., Chemical Physics
LAGERSTROM, P., PH.D., Aeronautics
LANGMUIR, R. V., PH.D., Electrical Engineering
LAURITSEN, T., PH.D., Physics
LEES, L., M.S., Aeronautics
LEIGHTON, R. B., PH.D., Physics
LEWIS, E. B., PH.D., Biology
LIEPMANN, H. W., PH.D., Aeronautics
LINDVALL, F. C., PH.D., Electrical and Mechanical Engineering
LOWENSTAM, H., PH.D., Palæoecology
LURIE, H., PH.D., Engineering Science
LUXEMBURG, W. A. J., PH.D., Mathematics
MCCANN, G. D., PH.D., Electrical Engineering
MCKEE, J. E., SC.D., Environmental Health Engineering
MARBLE, F. E., PH.D., Jet Propulsion and Mechanical Engineering
MIDDLEBROOK, R. D., PH.D., Electrical Engineering
MIKLOWITZ, J., PH.D., Applied Mechanics
MILLIKAN, C. B., PH.D., Aeronautics
MITCHELL, H. K., PH.D., Biology
MORELLI, D. A., PH.D., Engineering Design
MUNCH, G., PH.D., Astronomy
MUNGER, E. S., PH.D., Geography
NEHER, H. V., PH.D., Physics
OKE, J. B., PH.D., Astronomy
OWEN, R. D., PH.D., Biology
PAPAS, C. H., PH.D., Electrical Engineering
PAUL, R. W., PH.D., History
PICKERING, W. H., PH.D., Electrical Engineering
PINGS, C. J., PH.D., Chemical Engineering
PLESSET, M. S., PH.D., Engineering Science
RANNIE, W. D., PH.D., Jet Propulsion
RICHTER, C. F., PH.D., Seismology
ROBERTS, J. D., PH.D., Organic Chemistry
ROBINSON, G. W., PH.D., Physical Chemistry
ROSHKO, A., PH.D., Aeronautics
SABERSKY, R. H., PH.D., Mechanical Engineering
SAFFMAN, P. G., PH.D., Fluid Mechanics
SAGE, B. H., PH.D., D.ENG., Chemical Engineering
SCHMIDT, M., PH.D., Astronomy
SECHLER, E. E., PH.D., Aeronautics
SHARP, R. P., PH.D., Geology
SHIELD, R. T., PH.D., Applied Mechanics
SILVER, L. T., PH.D., Geology
SINSHEIMER, R. L., Biophysics
SMITH, H. D., PH.D., English
SPERRY, R. W., PH.D., Psychobiology
STANTON, R. F., PH.D., English
STERN, A., PH.D., Languages and Philosophy
STERNBERG, E., PH.D., Applied Mechanics
STEWART, H. J., PH.D., Aeronautics
STURDIVANT, J. H., PH.D., Chemistry
SUTTON, R. M., PH.D., Physics
SWEEZY, A. R., PH.D., Economics
SWIFT, E. H., PH.D., Analytical Chemistry
THOMPSON, F. B., PH.D., Applied Science and Philosophy
TODD, J., B.SC., Mathematics
TOLLESTRUP, A. V., PH.D., Physics
TYLER, A., PH.D., Embryology
UNTEREINER, R. E., PH.D., Economics
VAN HARREVELD, A., PH.D., M.D., Physiology
VANONI, V. A., PH.D., Hydraulics
VINOGRAD, J., PH.D., Chemistry and Biology
WALKER, R. L., PH.D., Physics
WASER, J., PH.D., Chemistry
WASSERBURG, G. J., PH.D., Geology
WAYLAND, J. H., PH.D., Engineering Science
WHALING, W., PH.D., Physics
WHITHAM, G. B., PH.D., Aeronautics and Mathematics
WIERSMA, C. A. G., PH.D., Biology
WILLIAMS, M. L., Jr., PH.D., Aeronautics
WILTS, C. H., PH.D., Electrical Engineering
WOOD, D. S., PH.D., Mechanical Engineering
WU, T. Y.-T., PH.D., Applied Mechanics
ZIRIN, H., PH.D., Astrophysics
ZWICKY, F., PH.D., Astrophysics

CALIFORNIA INSTITUTE OF THE ARTS

2228 WEST SEVENTH STREET,
LOS ANGELES, CALIFORNIA 90057
Telephone: DUnkirk 9-4138.

Founded 1883 as Los Angeles Conservatory of Music, 1921 as Chouinard Art School.

Director: JAMES W. JACKSON (acting).
Registrar: D. E. SMITH.
Librarian: Mrs. LUCY YEN.

The library contains 5,000 volumes.
Number of teachers: 85.
Number of students: 475, Regular session; 600, Extension Division.

CALIFORNIA LUTHERAN COLLEGE

MOUNTCLEF VILLAGE,
THOUSAND OAKS,
CALIFORNIA 91360
Telephone: 495-2181.

Founded 1959.

President: RAYMOND M. OLSON.
Registrar: Mrs. LINKA K. JOHNSON.
Librarian: J. CALDWELL.

The library contains 31,383 volumes.
Number of teachers: 59.
Number of students (Fall 1965): 875 full-time, 925 full-time and part-time.

CALIFORNIA PODIATRY COLLEGE

1770 EDDY STREET,
SAN FRANCISCO,
CALIFORNIA 94115
Telephone: 922-2775.

Founded 1914.

President: PIERCE B. NELSON, D.S.C.
Registrar: Miss MAE J. HARTMAN.
Librarian: Mrs. ALICE RACICOT.

The library contains 3,500 volumes.
Number of teachers: 35.
Number of students: 150.

CALIFORNIA STATE COLLEGE AT FULLERTON

800 NORTH STATE COLLEGE BOULEVARD,
FULLERTON, CALIFORNIA
Telephone: Area Code 714, 871-3300.

Founded 1957.

President: WILLIAM B. LANGSDORF.
Registrar: Mrs. MILDRED SCOTT.
Librarian: E. W. TOY, Jr.

The library contains 102,646 volumes.
Number of teachers: 234.
Number of students: 5,160.

CALIFORNIA STATE COLLEGE AT HAYWARD

25800 HILLARY STREET,
HAYWARD, CALIFORNIA 94542.
Telephone: 538-8000.

Founded 1957.

President: FRED F. HARCLEROAD.
Dean of Admissions: M. F. W. POLLACK.
Librarian: F. ERICKSON.

The library contains 120,000 volumes.
Number of teachers: 230.
Number of students: 5,000.

CALIFORNIA STATE COLLEGE AT LONG BEACH

6101 EAST SEVENTH STREET,
LONG BEACH, CALIFORNIA 90804
Telephone: Area Code 213, 433-0951.

Founded 1949.

President: Dr. CARL W. MCINTOSH.
Associate Dean—Admissions and Records: C. R. BERGLAND.
Librarian: C. J. BOORKMAN.

The library contains 212,000 volumes.
Number of teachers (Fall 1965): 650 full time, 300 part-time.
Number of students (Fall 1965): 18,500.

CALIFORNIA STATE COLLEGE AT LOS ANGELES

5151 STATE COLLEGE DRIVE,
LOS ANGELES, CALIFORNIA 90032
Telephone: Area Code 213, 225-1631.

Founded 1947.

President: FRANKLYN A. JOHNSON.
Director of Admissions and Records: B. CALLAHAN.
Librarian: W. R. ESHELMAN.

The library contains 235,000 volumes.
Number of teachers: 650 full-time, 409 part-time.
Number of students: 21,260.

CALIFORNIA STATE POLYTECHNIC COLLEGE

SAN LUIS OBISPO, CALIFORNIA

Founded 1901.

President: JULIAN A. MCPHEE, B.S., M.A., LL.D.
Vice-President: R. E. KENNEDY, A.B., M.A.

Number of teachers: 679, including 107 full professors.
Number of students: 11,332.

DEANS:

San Luis Obispo Campus:
College: D. W. ANDREWS, B.S., M.A., PH.D.
Students: E. M. CHANDLER, A.B.
Agricultural Division: W. T. SMITH, B.S., M.S.
Engineering Division: H. P. HAYES, B.M.E.
Applied Arts Division: C. C. CUMMINS, A.B., M.S., ED.D.
Applied Science Division: C. P. FISHER, A.B., M.A., PH.D.

Kellogg Campus (near Pomona):
College: C. O. MCCORKLE, B.S., M.S.
Students: H. HOUSE.
Agriculture Division: C. R. ENGLUND, B.S.
Engineering Division: H. P. SKAMSER, B.E., M.A., B.S.E.E.
Arts and Sciences Division: A. J. ASCHENBRENNER, M.S., ED.D.

Voorhis Educational Centre (near San Dimas).

CALIFORNIA WESTERN UNIVERSITY

3902 LOMALAND DRIVE,
SAN DIEGO, CALIFORNIA 92106

Telephone: 224-3211.

Founded 1952.

President: WILLIAM C. RUST, PH.D.
Dean of Admissions: R. M. MCKAY.
Librarian: HAZEL PULLING, PH.D.

The library contains 145,000 volumes.
Number of teachers: 130.
Number of students: 1,970.

CHICO STATE COLLEGE

FIRST & NORMAL STREETS,
CHICO, CALIFORNIA 95927

Telephone: 343-4411.

Founded 1887.

President: GLENN KENDALL.
Dean of Admissions: W. J. CARLSON.
Librarian: N. A. BLEYHL.

The library contains 130,000 volumes.
Number of teachers: 307.
Number of students: 6,000.

CLAREMONT GRADUATE SCHOOL AND UNIVERSITY CENTER

HARPER HALL, CLAREMONT, CALIFORNIA

Telephone: NATional 6-8511.

Founded 1925.

President: Dr. LOUIS T. BENEZET.
Assistant to President: W. M. DURLEY, Jr.
Registrar: Mrs. LILY SCOTT.
Librarian: D. W. DAVIES.
Dean of the Graduate School Faculty: Dr. PHILIP M. RICE.

Number of teachers: 184 (including 48 full and associate professors, 28 part-time professors, and 108 part-time professors from the undergraduate colleges).
Number of students: 852.

COLLEGE OF NOTRE DAME

RALSTON AVENUE,
BELMONT, CALIFORNIA

Telephone: 593-7676.

Founded 1851; Chartered 1868.

President: Sister CATHARINE JULIE.
Registrar: Sister PATRICIA ANNE.
Director of Admissions: Sister MARGARET DOLORES.
Librarian: Sister MARY JUSTINE.

The library contains 55,308 volumes.
Number of teachers: 69.
Number of students: Regular Division 410, Evening Division 659.

COLLEGE OF THE HOLY NAMES

3500 MOUNTAIN BOULEVARD,
OAKLAND, CALIFORNIA 94619

Telephone: (415) 531-0400.

Founded 1868.

President: Sister MARY AMBROSE.
Registrar: Sister M. AGNES CECILE.
Librarian: Sister RAPHAEL MARY.

The library contains 76,000 volumes.
Number of teachers: 91.
Number of students: 618 full-time, 293 part-time.

FRESNO STATE COLLEGE

FRESNO, CALIFORNIA 93726

Telephone: 222-5161.

Founded 1911.

President: FREDERIC W. NESS.
Associate Dean of Students (Admissions and Records): Dr. H. E. JONES.
Librarian: H. M. MADDEN.

The library contains 210,000 volumes.
Number of teachers: 470.
Number of students: 8,500.

GOLDEN GATE COLLEGE

220 GOLDEN GATE AVENUE,
SAN FRANCISCO,
CALIFORNIA 94102

Telephone: PR 5-5774.

Founded 1901.

President: RUSSELL T. SHARPE.
Registrar: ALICE F. PARKER.
Librarian: H. KORF.

The library contains 3,500 volumes.
Number of teachers: 90.
Number of students: 2,350.

HARVEY MUDD COLLEGE

CLAREMONT, CALIFORNIA

Telephone: Area Code 714, 626-8511.

Founded 1955.

President: JOSEPH B. PLATT.
Registrar: E. R. WALKER.
Librarian: D. W. DAVIES.

The library contains 440,100 volumes (shared with the Claremont Colleges).
Number of teachers: 42.
Number of students: 285.

HUMBOLDT STATE COLLEGE

ARCATA, CALIFORNIA 95521

Telephone: Area Code 707, 822-1771.

Founded 1913.

President: CORNELIUS H. SIEMENS.
Dean of Admissions: R. A. ANDERSON.
Librarian: Mrs. HELEN A. EVERETT.

The library contains 100,000 volumes (approx.).
Number of teachers: 200.
Number of students: 3,200.

IMMACULATE HEART COLLEGE

2021 NORTH WESTERN,
HOLLYWOOD 27,
CALIFORNIA 90027

Telephone: HOllywood 21301.

Founded 1916.

President: Sister MARY WILLIAM, I.H.M.
Registrar: Sister JOHANNA, I.H.M.
Librarian: Sister MARIE ROSAIRE.

The library contains 100,000 volumes.
Number of teachers: 90.
Number of students: 1,200.

LA SIERRA COLLEGE

RIVERSIDE, CALIFORNIA 92505

Telephone: 689-4321.

Founded 1922.

President: DAVID J. BIEBER.
Registrar: D. E. LEE.
Director of Admissions: R. OSMUNSON.
Librarian: D. G. HILTS.

The library contains 69,036 volumes.
Number of teachers: 83, plus 21 administrators.
Number of students: 1,600 (includes graduate and undergraduate students).

LA VERNE COLLEGE

LA VERNE, CALIFORNIA 91750

Telephone: (714) 593-3511.

Founded 1891.

President: HAROLD D. FASNACHT.
Registrar: D. E. ROOT.
Librarian: EUNICE SWANK.

The library contains 37,500 volumes.
Number of teachers: 40.
Number of students: 535.

LOMA LINDA UNIVERSITY
LOMA LINDA CAMPUS,
LOMA LINDA, CALIFORNIA
Telephone: 796-0161.
Founded 1905.

President: GODFREY T. ANDERSON, PH.D.
Vice-Presidents: R. E. CLEVELAND, PH.D., R. L. CONE, W. E. MACPHERSON, M.D., H. B. WEEKS, M.A.
Registrar: H. A. WALLS, M.A.
Director of Libraries: G. V. SUMMERS, M.S.

The Vernier Radcliffe Memorial Library contains 86,060 volumes.
Number of teachers: 216 full-time, 192 part-time.
Number of students: 1,139.
Publications: *Loma Linda University Magazine, Medical Arts and Sciences,* Bulletins, Handbooks, *University Scope.*

DEANS:
School of Medicine: D. B. HINSHAW, M.D.
School of Dentistry: C. T. SMITH, D.D.S.
Graduate School: J. P. STAUFFER.
School of Nursing: MAXINE ATTEBERRY, M.S.

LOS ANGELES CAMPUS,
1720 BROOKLYN AVENUE,
LOS ANGELES 33, CALIFORNIA
Telephone: Angelus 9-9131.

The White Memorial Medical Library contains 69,724 volumes (some being transferred to Loma Linda).

LOYOLA UNIVERSITY OF LOS ANGELES
7101 WEST 80 STREET,
LOS ANGELES, CALIFORNIA 90045
Telephone: String 6 0400.
Founded 1911.

Founded by Vincentian Fathers as St. Vincent's College 1865, taken over by Jesuit Fathers 1911, name changed to Loyola College 1918.

President: Rev. CHARLES S. CASASSA, S.J.
Academic Vice-President: Rev. R. A. REED, S.J.
Treasurer: Rev. C. SCHNEIDER, S.J.
Registrar: CATHERINE F. EMENAKER.
School Relations: J. CASHIN, M.A.

Number of teachers: 159.
Number of students: 2,296.

DEANS:
Business: W. R. GARRETT, PH.D.
Engineering: R. KOLF, PH.D.
Law: J. R. DIBBLE, LL.B.
Arts and Sciences: Rev. T. L. MAHAN, S.J.
Students: Rev. R. W. ROLFS, S.J.

MARYMOUNT COLLEGE
6717 PALOS VERDES DRIVE S.,
PALOS VERDES ESTATES,
CALIFORNIA
Telephone: Frontier 7-5501.
Founded 1932.

President: M. RAYMUND MCKAY, R.S.H.M.
Registrar: M. G. NADDY, R.S.H.M.
Librarian: Sr. M. CONSTANCE, R.S.H.M.

The library contains 46,000 volumes.
Number of teachers: 44.
Number of students: 450.

MILLS COLLEGE
OAKLAND 13, CALIFORNIA
Founded as a Seminary 1852, as a College 1885.

President: C. EASTON ROTHWELL.
Dean of the Faculty: MARY W. BENNETT.
Dean of Students: PATRICIA A. BRAUEL.
Recorder: MARGERY THOMPSON.
Director of Graduated Studies: BARBARA M. GARCIA.
Librarian: FLORA E. REYNOLDS.

The library contains 140,000 volumes.
Number of teachers: 86.
Number of students: 761.
Publications: *The Mills Stream, The Crest* (annual).

MOUNT ST. MARY'S COLLEGE
12001 CHALON ROAD,
LOS ANGELES, CALIFORNIA 90049
Telephone: BRadshaw 2-8791 or 476-2237.
Founded 1925.

President: Sister M. REBECCA.
Registrar: Sister ANITA JOSEPH.
Director of Admissions: Sister JOSEPH ADELE.
Librarian: Sister CATHERINE ANITA.

The library contains 73,000 volumes.
Number of teachers: 120.
Number of students: 1,108 full-time equivalent.

NORTHROP INSTITUTE OF TECHNOLOGY
1155 W. ARBOR VITAE,
INGLEWOOD, CALIFORNIA
Telephone: OR8-7187.
Founded 1942.

President: HERBERT W. HARTLEY.
Dean of Admissions: R. D. BENT.
Librarian: M. PADNO.

The library contains 15,500 volumes.
Number of teachers: 77.
Number of students: 1,650.

OCCIDENTAL COLLEGE
LOS ANGELES 14, CALIFORNIA
Founded 1887.

President: RICHARD C. GILMAN, PH.D.
Dean of the Faculty: V. L. BOLLMAN, PH.D.
Comptroller: JANET B. HOIT, A.B.
Dean of Women: RUTH M. BERKEY M.S. (acting).
Dean of Men: B. H. CULLEY, ED.D.
Director of Admissions: W. L. CALLISON, A.B.
Registrar: FLORENCE N. BRADY, A.B.

Number of teachers: 120.
Number of students: 1,598.

OTIS ART INSTITUTE OF LOS ANGELES COUNTY
2401 WILSHIRE BOULEVARD,
LOS ANGELES, CALIFORNIA 90057
Telephone: 387-5288.
Founded 1918.

President: ANDREAS S. ANDERSEN.
Dean of Admissions: J. G. SOUDEN.
Librarian: JOAN HUGO.

The library contains 5,500 volumes.
Number of teachers: 35.
Number of students: 325.

PACIFIC OAKS COLLEGE
714 WEST CALIFORNIA BLVD.,
PASADENA, CALIFORNIA 91105
Telephone: Sycamore 3-1176 (793-1176).
Founded 1951.

President: EDWIN C. MORGENROTH.
Registrar: OLIVE DAVIS.
Dean of Admissions: MAUREEN CARLSON.
Librarian: MYRTLE STUBKJAER.

The library contains 13,000 volumes.
Number of teachers: 10.
Number of students: 83.

PACIFIC UNION COLLEGE
ANGWIN, CALIFORNIA
Founded 1882.

President: FLOYD O. RITTENHOUSE, PH.D.
Dean: W. M. SCHNEIDER, PH.D.
Registrar: E. C. WALTER, ED.D.
Business Manager: H. T. JOHNSON, M.A.
Librarian: BARBARA H. PHIPPS, M.A. in L.S.

The library contains 68,000 volumes.
Number of teachers: 86.
Number of students: 714 men, 654 women, total 1,368.
Publications: *College Bulletin, Student Handbook.*

PASADENA COLLEGE
1539 EAST HOWARD STREET,
PASADENA, CALIFORNIA
Telephone: 798-0541.
Founded 1908.

President: W. SHELBURNE BROWN.
Registrar: C. W. MILLER.
Librarian: ELIZABETH M. HALL.

The library contains 80,000 volumes.
Number of teachers: 65.
Number of students: 1,250.

PEPPERDINE COLLEGE
LOS ANGELES 44, CALIFORNIA
Founded 1937.

President: M. NORVEL YOUNG.
Vice-President: W. J. TEAGUE.
Dean: J. P. SANDERS.
Director of Student Personnel: Dr. J. DAVIS, Jr.
Assoc. Dean of Students: Mrs. LUCILLE TODD.
Business Manager: J. C. MOORE, Jr.

Librarian: Dr. H. BUTLER.

Number of teachers: 53 full-time, including 15 professors, 12 associate and 26 assistant.

Number of students: 794 men, 600 women, total 1,394.

Publications: *Bulletin* (12 times yearly), *Graphic* (weekly), *Promenade* (yearbook), *Alumni Voice* (10 times yearly), *America's Builders* (10 times yearly).

POMONA COLLEGE

CLAREMONT, CALIFORNIA

Founded 1887.

President: E. WILSON LYON, B.A., PH.D., LL.D., D.LITT., L.H.D.
Dean of the Faculty: E. A. STRATHMANN, M.A., PH.D.
Dean of Students: J. E. SANDERS, M.A., PH.D.
Director of Admissions: W. L. WHEATON B.A., M.A.
Dean of Men: S. L. BEATTY, M.A., PH.D.
Dean of Women: JEAN B. WALTON, M.A., PH.D.
Registrar: M. ARMSTRONG, M.A.

The library contains 345,000 volumes.
Number of teachers: 105.
Number of students: 1,100.
Publication: *Bulletin* (six times yearly).

ST. JOHN'S COLLEGE

P.O. BOX 38, CAMARILLO, CALIFORNIA

Telephone: HUnter 2-2755.

Founded 1927.

President: Very Rev. WILLIAM J. KENNEALLY, C.M.
Registrar: Rev. B. J. McCOY, C.M.
Librarian: Sister M. RUTH, I.H.M.

The library contains 20,000 volumes.
Number of teachers: 13.
Number of students: 254.

ST. JOSEPH COLLEGE

380 SOUTH BATAVIA STREET, ORANGE, CALIFORNIA 92666

Telephone: 538-3533.

Founded 1960.

President: Sister MARY FELIX.
Registrar: Sister M. XAVIER.
Librarian: Sister M. EMMALINE.

The library contains 20,328 volumes.

Number of teachers: 21 full and part-time.

Number of students: 195 full-time, religious women.

ST. MARY'S COLLEGE OF CALIFORNIA

CALIFORNIA

Telephone: Drake 6-4411.

Founded 1863.

President: Brother T. MICHAEL.
Registrar: DOROTHY KIBLER.
Librarian: W. MACASKILL.

The library contains 70,000 volumes.
Number of teachers: 84.
Number of students: 900.

SAN DIEGO STATE COLLEGE

5402 COLLEGE AVENUE, SAN DIEGO 15, CALIFORNIA

Founded 1897.

President: MALCOLM A. LOVE.
Assistant to the President: L. A. WALKER.
Vice-President: E. B. O'BYRNE.
Vice-President, Academic Affairs: D. R. WATSON.
Secretary: M. L. CRAWFORD.
Dean of Admissions and Records: M. A. ANDERSON.
Librarian: L. A. KENNEY.

Number of teachers: 1,013, including 689 professors.

Number of students: 9,360 men, 6,772 women, total 16,132.

Publications: *General Catalogue, Graduate Catalogue, Bulletins, Alumni Quarterly, The Aztec Engineer, Business Inquiry.*

DEANS:

Executive Dean: G. A. KOESTER.
Students: H. C. PEIFFER, Jr.
Activities: MARGERY A. WARMER.
Guidance: D. F. HARDER.
Business Administration: M. L. CRAWFORD (acting).
Engineering: M. P. CAPP.
Arts and Science: S. L. GULICK.
Education: M. H. SCHRUPP.
Graduate Studies: M. M. LEMME.
Social Work: E. F. WITTE.

SAN FERNANDO VALLEY STATE COLLEGE

18111 NORDHOFF STREET, NORTHRIDGE, CALIFORNIA 91326

Telephone: 349-1200.

Founded 1958.

President: RALPH PRATOR.
Registrar: R. BIGELOW.
Librarian: S. McELDERRY.

The library contains 143,000 volumes.
Number of teachers: 450.
Number of students: 12,300.

SAN FRANCISCO ART INSTITUTE (COLLEGE OF)

(*Formerly* **California School of Fine Arts**)

800 CHESTNUT STREET, SAN FRANCISCO, CALIFORNIA 94133

Telephone: 673-2640.

Founded 1874.

Executive Director: THEODORE L. ELIOT.
Director of the College: F. MARTIN.
Registrar: DIANE HARSH.
Librarian: HERBERTA FAITHORN.

The library contains 9,000 volumes.
Number of teachers: 55.
Number of students: 700.

SAN FRANCISCO COLLEGE FOR WOMEN

LONE MOUNTAIN, SAN FRANCISCO, CALIFORNIA 94118

Telephone: 752-7000.

Founded 1921.

President: Mother CATHERINE PARKS, R.S.C.J.
Registrar: Mother NATALIE WHITE, R.S.C.J.
Librarian: Mother KATHRYN CASSIDY, R.S.C.J.

The library contains 130,000 volumes.
Number of teachers: 60.
Number of students: 600.

SAN FRANCISCO CONSERVATORY OF MUSIC

1201 ORTEGA STREET, SAN FRANCISCO, CALIFORNIA 94122

Telephone: Lo 4-8086.

Founded 1917.

President: ROBIN LAUFER, PH.D.
Registrar: M. S. COLE, PH.D.
Librarian: J. BISKIND, M.A.

The library contains 25,000 scores; 10,000 records; reference books.

Number of teachers: 33 connected with the undergraduates.

Number of students: 50 full-time, 35 part-time, many Special.

SAN FRANCISCO STATE COLLEGE

SAN FRANCISCO, CALIFORNIA 94312

Founded 1899.

President: Dr. PAUL DODD.
Vice-President for Academic Affairs: Dr. S. F. PAULSON.
Executive Dean: O. DELAND.
Registrar: H. J. SOETERS.
Dean of Academic Planning: D. FEDER.
Dean of Educational Services and Summer Session: R. DOYLE.
Dean of Students: Dr. F. D. REDDELL.
Librarian: Dr. K. BROUGH.

Number of teachers: 1,000.
Number of students: 15,345 (men and women).

SAN JOSE STATE COLLEGE

125 SOUTH SEVENTH STREET, SAN JOSE, CALIFORNIA 95114

Telephone: (408) 294-6414.

Founded 1857.

President: Dr. ROBERT D. CLARK.
Associate Dean of Admissions and Records: Dr. R. R. CUMMINGS
Librarian: R. LAURITZEN (acting).

The library contains 295,000 volumes.
Number of teachers: 1,100.
Number of students (Fall 1964): 20,700.

SCRIPPS COLLEGE

10TH AND COLUMBIA,
CLAREMONT, CALIFORNIA 91714
Telephone: NATional 6-8511.
Founded 1926.

President: MARK H. CURTIS.
Registrar: Mrs. BETTY B. HARE.
Director of Admissions: Miss MARILYN J. BLUM.
Librarian: Miss DOROTHY M. DRAKE.

Library: 60,000 volumes in Denison Library, Scripps College; 40,000 volumes in the Honnold Library of The Claremont Colleges.

Number of teachers: 35 full-time equivalent.

Number of students: 400.

SONOMA STATE COLLEGE

265 COLLEGE VIEW DRIVE,
ROHNERT PARK,
CALIFORNIA 94928
Telephone: Area Code 707,
LIberty 5-7220 or SWift 5-5446.
Founded 1960.

President: Dr. AMBROSE R. NICHOLS, Jr.
Registrar: Miss KAY WILEY.
Dean of Admissions and Records: R. LAWRENCE.
Librarian: A. S. PICKETT.

The library contains 64,224 volumes (this includes bound periodicals which number 6,991).

Number of teachers: 63.

Number of students (Spring 1964): 1,007.

STANFORD UNIVERSITY

STANFORD, CALIFORNIA 94305
Telephone: Area Code 415, 321-2300.
Telegraphic Address:
Stanford, California.
Founded 1885.

President: J. E. WALLACE STERLING, B.A., PH.D.
Vice-President and Provost: (Vacant).
Academic Secretary: H. D. WINBIGLER.
Director of Admissions: R. K. SNYDER.
Registrar: H. HALL.
Libraries' Director: R. D. ROGERS.

Library: *see* Libraries.

Number of teachers: 2,000, including 397 full professors.

Number of students: 10,773.

Publications: *Stanford Law Review.*

DEANS:

Graduate Division: V. K. WHITAKER.
Undergraduate Education: R. J. WERT.
Students: H. D. WINBIGLER.
Graduate School of Business: E. C. ARBUCKLE.
School of Earth Sciences: R. H. JAHNS.
School of Education: I. J. QUILLEN.
School of Humanities and Sciences: R. R. SEARS.
School of Law: B. MANNING.
School of Medicine: R. J. GLASER.
Food Research Institute: W. O. JONES (Director).
Hoover Insitution: W. G. CAMPBELL (Director).
Physical Education and Athletics: C. A. TAYLOR (Director).
Aerospace Studies: Major H. H. MATTHEWS (Executive Head).
Military Science: Col. D. Y. NANNEY (Executive Head).
Naval Science: Capt. C. W. BRIGHAM (Executive Head).

PROFESSORS:

ABBOTT, D. P., Biology
ABRAMOVITZ, M., Economics
ABRAMS, H. L., Radiology
ACKERMAN, R. W., English
ACRIVOS, A., Chemical Engineering
ALDRICH, P. C., Music
ALLEN, J. G., Surgery
ALMOND, G. A., Political Science
ALVAREZ-TOSTADO, C., Chemistry and Physical Sciences
ALWAY, R. H., Pediatrics
ANGELL, J. B., Electrical Engineering
ARBUCKLE, E. C., Business Management
ARROW, K. J., Economics and Statistics
ATKINSON, R. C., Education and Psychology
BACON, H. M., Mathematics
BAILEY, T. A., History
BALDWIN, R. L., Biochemistry
BALLAM, J., Stanford Linear Accelerator Center
BANDURA, A., Psychology
BARBER, W. C., High-Energy Physics
BARK, W. C., History
BARNETT, C. W., Medicine
BAVELAS, A., Psychology and School of Business
BAXTER, W. F., Law
BEARD, R. R., Preventive Medicine
BEGLE, E. G., Education and Mathematics
BELLVILLE, J. W., Anæsthesia
BENJAMIN, J. R., Structural Engineering
BERG, P., Biochemistry
BERSHADER, D., Aerodynamics
BLOCH, F., Physics
BOLIN, R. L., Marine Biology and Oceanography
BONNER, W. A., Chemistry
BOUDART, M. J., Chemical Engineering and Chemistry
BOYD, H. W., Jr., Marketing
BRACEWELL, R. N., Electrical Engineering
BREAKWELL, J. V., Aeronautics and Astronautics
BRIGHAM, Capt. C. W., Naval Science
BROWER, R. H., Japanese
BROWN, L. H., Electrical Engineering
BROWN, R. M., Religion.
BUBE, R. H., Materials Science
BUNEMAN, O., Electrical Engineering
BUNKER, J. P., Anæsthesia
BUSH, R. N., Education
BUSS, C. A., History
BYRD, O. E., Health Education
CANNON, R. H., Jr., Aeronautics and Astronautics
CECCHETTI, G., Italian
CHAN, S. W., Chinese
CHASE, R. A., Surgery
CHERNOFF, H., Statistics
CHODOROW, M., Applied Physics and Electrical Engineering
CHUNG, K. L., Mathematics
CLIFTON, C. E., Medical Microbiology
COHEN, E. N., Anæsthesia
COHEN, P. J., Mathematics
COHN, R. B., Surgery
COHN, R. G., French
COLADARDCI, A. P., Education and Psychology
COLE, W., Speech and Drama
COMPTON, R. R., Geology
CONNOLLY, T. J., Mechanical Engineering
COX, A. J., Pathology
CRAIG, G. A., History
CRIMSON, J. M., Physiology
CRONBACH, L. J., Education and Psychology
CROSTEN, W. L., Music
CUTTING, W. C., Experimental Therapeutics
DAVIDSON, D. H., Philosophy
DAVIS, R. T., Marketing—Graduate School of Business
DAVIS, S. N., Geology
DESPRES, E., Economics
DJERASSI, C., Chemistry
DODDS, J. W., English and Humanities
DORNBUSCH, S. M., Sociology
DOUGALL, H. E., Finance
DREISBACH, R. H., Pharmacology
DRELL, S. D., Physics
EASTMAN, R. H., Chemistry
EISENSON, J., Speech Pathology and Audiology
EITNER, L. E. A., Art History
ELIASSEN, R., Civil Engineering
ESHLEMAN, V. R., Electrical Engineering
ESPINOSA, A. M., Jr., Romanic Languages
ESTES, W. K., Psychology
EULAU, H., Political Science
EUSTIS, R., H. Mechanical Engineering
EVITT, W. R., Geology
FAIRBANK, W. M., Physics
FARBER, EUGENE M., Dermatology
FARNSWORTH, HELEN C., Food Research Institute
FAULKNER, R. N., Art
FEHRENBACHER, D. E., History
FESTINGER, L., Psychology
FINN, R., Mathematics
FLORY, P. J., Chemistry
FLÜGGE, W., Engineering Mechanics
FLUGGE-LOTZ, IRMGARD, Mrs., Aeronautical Engineering and Engineering Mechanics
FORD, N. F., English
FORSYTHE, G. E., Mathematics and Computer Science
FRANKLIN, G. F., Professor of Electrical Engineering
FRANKLIN, M. A., Law
FRANZINI, J. B., Civil Engineering
FRIEDENTHAL, J. H., Law
FUCHS, H. O., Mechanical Engineering
FUHRMAN, F. A., Experimental Medicine
GAGE, N. L., Education
GEIMAN, Q. M., Preventive Medicine
GERE, J. M., Civil Engineering
GERMANE, G. E., Transportation and Management
GIBBONS, J. F., Electrical Engineering
GICOVATE, B., Spanish
GIESE, A. C., Biology
GILBARG, D., Mathematics
GINZTON, E. L., Applied Physics and Electrical Engineering
GIRARD, R. A., Law
GIRAUD, R., French
GLASER, R. J., Medicine
GLICK, D., Pathology
GOHEEN, J. D., Philosophy
GOLDSTEIN, A., Pharmacology
GONDA, T. A., Psychiatry
GOODIER, J. N., Engineering Mechanics
GRAHAM, J. J., Geology
GRANT, R., Physiology
GRAY, D. J., Anatomy
GRAY, R. W., Food Research Institute
GREENBERG, J. H., Anthropology
GROMMON, A. H., Education and English
GROSS, R. E., Education
GUERARD, A. J., English
GUNTHER, G., Law
GURLEY, J. G., Economics
HAMBURG, D. A., Psychiatry
HAMMOND, R. J., Food Research Institute
HANBERY, J. W., Surgery
HANCOCK, M., Law
HANNA, P. R., Child Education

HANNA, S. S., Physics
HARMAN, W. W., Electrical Engineering
HARRELL, T. W., Applied Psychology and Psychology in Graduate School of Business
HARRIS, CHRISTINA P., Political Science
HARRIS, D., History
HARRISON, W. A., Applied Physics
HASTORF, A. H., III, Psychology
HEFFNER, H., Electrical Engineering
HELLIWELL, R. A., Electrical Engineering
HERRIOT, J. G., Mathematics and Computer Science
HETENYI, M., Engineering Mechanics and Structural Engineering
HILGARD, E. R., Psychology and Education
HILTON, R., Romance Languages
HINTIKKA, K. J. J., Philosophy
HOFF, N. J., Aeronautical Engineering
HOFSTADTER, R., Physics
HOLM, R. W., Biology
HOLMAN, H. R., Medicine
HORN, R. A., Political Science
HOUCK, G. H., Medicine
HOWARD, A. D., Geology
HOWARD, R. A., Engineering—Economic Systems
HOWELL, J. E., Economics, Graduate School of Business
HUBBERT, M. K., Geology and Geophysics
HUGGINS, R. A., Materials Science
HURD, P. DEH., Education
HURLBUT, J. B., Law
HUTCHINSON, E., Chemistry
HUTTON, C. O., Mineralogy
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IRESON, W. G., Industrial Engineering
IVERSON, W. J., Education
JACOBSTEIN, J. M., Law Librarian and Professor of Law
JAHNS, R. H., Geology
JAMES, H. T., Education
JOHNSON, J. J., History
JOHNSON, W. S., Chemistry
JOHNSTON, B. F., Food Research Institute
JONES, W. O., Food Research Institute
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KAHN, M. S., Art
KALMAN, R. E., Engineering Mechanics and Electrical Engineering
KANE, T. R., Engineering Mechanics
KAPLAN, H. S., Radiology
KARLIN, S., Mathematics and Statistics
KAYS, W. M., Mechanical Engineering
KEEN, A. MYRA, Palæontology
KENNEDY, D., Biology
KINO, G. S., Electrical Engineering
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KLINE, S. J., Mechanical Engineering
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KOCHER, P. H., English and Humanities
KODAIRA, K., Mathematics
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KRAUSKOPF, K. B., Geochemistry
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KRETCHMER, N., Pædiatrics
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KROEGER, A., Marketing
KUHN, W. E., Music and Education
LAPP, J. C., French
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LAWRENCE, D. H., Psychology
LEDERBERG, J., Genetics and Biology
LEE, E. H., Engineering Mechanics and Aeronautical Engineering
LEPPERT, G., Mechanical Engineering
LEVIN, D., English
LEVINE, H., Mathematics
LIEBERMAN, G. J., Statistics and Industrial Engineering
LINSLEY, R. K., Hydraulic Engineering
LINVILL, J. G., Electrical Engineering
LINVILL, W. K., Engineering Economic Systems
LOFTIS, J., English
LOHNER, E., German
LONDON, A. L., Mechanical Engineering
LOPER, R. B., Drama
LORING, H. S., Chemistry
LUETSCHER, J. A., Jr., Medicine
LYMAN, R. W., History
MCCARTHY, J., Computer Science
MACCONNELL, J. D., Education
MCCONNELL, H. M., Chemistry
MCDANIEL, H. B., Education and Psychology
MCDONOUGH, J. R., Jr., Law
MCLENNAN, C. E., Obstetrics and Gynæcology
MCWHORTER, M. M., Electrical Engineering
MACCOBY, N., Mass Communications
MANN, J. K., Law
MANNE, A. S., Economics, Graduate School of Business
MANNING, B., Law
MANNING, L. A., Electrical Engineering
MARGOLIS, J., Engineering Economics
MARKS, L., Jr., Finance, Graduate School of Business
MARSDEN, S. S., Jr., Petroleum Engineering
MASON, D. M., Chemical Engineering
MAYHEW, L. B., Education
MEIER, G. M., International Economics, Graduate School of Business
MENDELOWITZ, D. M., Art and Education
MERITT, H. D., English
MERRYMAN, J. H., Law
MEYERHOF, W. E., Physics
MEYERS, C. J., Law
MILLER, F. C., Petroleum Engineering
MILLER, J. C., History
MILLER, W. F., Computer Science
MOLL, J. L., Electrical Engineering
MORRELL, F., Medicine—Neurology
MOSER, T. C., English
MOSES, L. E., Statistics and Preventive Medicine
MOSHER, H. S., Chemistry
MOTHERSHEAD, J. L., Jr., Philosophy
MOZLEY, R. F., High-Energy Physics
MYERS, G. S., Biology
NANNEY, Colonel D. Y., Military Science
NANNEY, H. B., Music
NEWBY, H. A., Speech Pathology and Audiology
NIELSEN, O., Accounting, Graduate School of Business
NIXON, J. E., Education and Physical Education
NOLLER, C. R., Chemistry
NORTH, R. C., Political Science
OAKFORD, R. V., Industrial Engineering
OBERHELMAN, H. A., Jr., Surgery
ODELL, W. R., Education
OGLESBY, C. H., Civil Engineering
OLIPHANT, J. F., Biology
OLKIN, I., Statistics and Education
OTIS, B., Classics
OXLEY, G. M., International Business, Graduate School of Business
PACKER, H. L., Law
PAGE, B. M., Geology
PAGE, R. M., Biology
PANOFSKY, W. K. H., Stanford Linear Accelerator Center
PANTELI, R. H., Electrical Engineering
PARK, C. F., Jr., Geology
PARLEE, N. A. D., Extractive Metallurgy
PARZEN, E., Statistics
PAUL, B. D., Anthropology
PEARSON, G. L., Electrical Engineering
PEARSON, L. I. C., Classics
PEASE, O. A., History
PEDERSON, C. A., Business Management
PERKINS, D. D., Biology
PERL, M. L., Stanford Linear Accelerator Center
PETERSON, A. M., Electrical Engineering
PETIT, J. M., Electrical Engineering
PHILBRICK, N. D., Speech and Drama
PHILLIPS, R. C., Mathematics
POLITZER, R. L., Education and Romance Linguistics
PORTERFIELD, J. T. S., Finance, Graduate School of Business
POTTER, D. M., American History
PRIBRAM, K. H., Psychiatry and Psychology
QUATE, C. F., Applied Physics and Electrical Engineering
QUILLEN, I. J., Education
RAFFEL, S., Medical Microbiology
RAMBO, W. R., Electrical Engineering
RATHER, L. J., Pathology
RATNER, L. G., Music
RAUBITSCHEK, A. E., Classics
REDER, M. W., Economics
REGNERY, D. C., Biology
RHINELANDER, P. H., Philosophy
RINGRESSY, GRACE E., Nursing
ROBERTSON, W. VAN B., Pædiatrics
ROGOW, A. A., Political Science
ROYDEN, H. L., Mathematics
RUBINSTEIN, L. J., Pathology
RYAN, L. V., English
RYTAND, D. A., Medicine
SALGO, S., Music
SAMELSON, H., Mathematics
SANDS, M. L., Stanford Linear Accelerator Center
SANFORD, R. N., Psychology and Education
SCHAWLOW, A. L., Physics
SCHIFF, L. I., Physics
SCHIFFER, M. M., Mathematics
SCHMIDT, H. C., Music
SCHRAMM, W., Communication Research
SCHUBERT, E. D., Speech Pathology and Audiology
SCHWERDT, C. E., Medical Microbiology
SCOTT, G. K., Law
SCOWCROFT, R. P., English
SEARS, R. R., Psychology and Education
SEIDENSTICKER, E. G., Jr., Japanese
SEIFERT, H. S., Aeronautical Engineering
SENSABAUGH, G. F., English
SERBEIN, O. N., Jr., Insurance, Graduate School of Business
SHALLENBERGER, F. K., Industrial Management
SHAW, E. S., Economics
SHEPARD, O. C., Metallurgy
SHER, B. D., Law
SHERBY, O. D., Materials Science
SHIRLEY, H. F., Pædiatrics
SHOCKLEY, W. B., Engineering Science
SIEGEL, B. J., Anthropology
SIEGMAN, A. E., Electrical Engineering
SIMPSON, C. M., Jr., American Literature
SKILLING, H. H., Electrical Engineering
SKOOG, D. A., Chemistry
SMITH, R. J., Electrical Engineering
SMITH, T. C., History
SNEED, J. T., Law
SOKEL, W. H., German
SOLOMON, E., Finance, Graduate School of Business
SOLOMON, H., Statistics and Education
SOSKE, J. L., Geophysics
SPAETH, C. B., Law
SPENCER, D. C., Mathematics
SPINDLER, G. D., Anthropology and Education
SPURR, W. A., Business Statistics
STAMEY, T. A., Surgery
STEGNER, W. E., English
STEIN, C. M., Statistics
STEINER, K., Political Science
STONE, W. H., English
STROTHMANN, F. W., German

STURROCK, P. A., Engineering Science and Applied Physics
SUPPES, P., Philosophy and Statistics
TARSHIS, L., Economics
TAUBE, H., Chemistry
THOMAS, L. G., Education
THOMPSON, G. A., Geophysics
THOMPSON, V. K., Architecture
TILLER, W. A., Materials Science
TURNER, R. S., Anatomy
TUTTLE, D. F., Jr., Electrical Engineering
TWITTY, V. C., Biology, Zoology
VAN DYKE, M. D., Aeronautical Engineering
VAN SCHOONEVELD, C. H., Slavic Languages and Literatures
VAN TAMELEN, E. E., Chemistry
VENNARD, J. K., Fluid Mechanics
VERBA, S., Political Science
VILLARD, O. G., Jr., Electrical Engineering
VINCENTI, W. G., Aeronautical Engineering
VUCINICH, W. S., History
WAGNER, H. M., Business Administration and Industrial Engineering
WALKER, R. A., Political Science
WALLIN, P., Sociology
WATKINS, J. T., IV, Political Science
WATT, I. P., English
WEIGLE, C. F., Journalism
WERT, R. J., Education
WHITAKER, V. K., English
WILLIAMS, H. A., Civil Engineering
WILLIAMS, H. R., Law
WINBIGLER, H. D., Speech Education
WINTERS, A. Y., English
WRIGHT, G., History
YANOVSKY, C., Biology
YODER, D., Industrial Relations
YOUNG, D. H., Civil Engineering
ZIMMERMAN, E. M., Law.

STANISLAUS STATE COLLEGE

TURLOCK, CALIFORNIA 95380
Telephone: Area Code 209, 634-9101.
Founded 1960.

President: Dr. ALEXANDER CAPURSO.
Dean of Admissions: E. J. AUBERT.
Librarian: R. D. GALLOWAY.

The library contains 57,000 volumes.
Number of teachers: 44.
Number of students: 688.

U.S. NAVAL POSTGRADUATE SCHOOL

MONTEREY, CALIFORNIA
Founded 1909.

Superintendent: Rear Admiral CHARLES K. BERGIN, U.S. Navy.
Academic Dean: Dr. A. E. VIVELL.
Librarian: G. R. LUCKETT.

The library contains over 400,000 volumes (including reports and microcards).
Number of teachers: 236.
Number of students: 1,531.
Publications: *U.S. Naval Postgraduate School Catalogue* (annual), *This Week in the Library* (weekly), *Technical Reports, Research Papers* (irregular).

UNIVERSITY OF CALIFORNIA

Founded 1868.

University-Wide Administrative Offices: University Hall, Berkeley, California 94720. Campuses at Berkeley, Davis, Irvine, Los Angeles, Riverside, San Diego, San Francisco, Santa Barbara, and Santa Cruz.

UNIVERSITY-WIDE OFFICERS:

President: CLARK KERR, PH.D., LL.D.
Vice-President: H. R. WELLMAN, PH.D.
Vice-President (Academic Affairs): A. E. TAYLOR, PH.D.
Vice-President (Administration): E. C. BOLTON, A.B., LL.B., LL.D.
Vice-President (Business and Finance): C. J. HITCH, M.A., LL.D.
Vice-President (Physical Planning and Construction): E. R. MORGAN, B.S.
Vice-President and General Counsel of the Regents: T. J. CUNNINGHAM, A.B., LL.B., LL.D.
Vice-President (Executive Assistant): E. C. LEE, PH.D.
Treasurer of the Regents: O. B. HAMMOND, B.A., M.B.A.

Library: *see* Libraries.
Total number of professors, associate professors, assistant professors, instructors (full and part-time): 3,391.
Total number of students (1964–65): 70,990.

Berkeley Campus

BERKELEY, CALIFORNIA 94720.
Established 1872.

Chancellor: ROGER W. HEYNS, PH.D.
Executive Vice-Chancellor: E. F. CHEIT, PH.D.
Vice-Chancellor: A. W. SEARCY, PH.D.
Vice-Chancellor (Academic Affairs): R. W. CONNICK, PH.D.
Assistant Chancellor (Budget): E. W. MAUCHLAND, M.A.
Special Assistant to the Chancellor: J. R. MIXER, M.A.
Special Assistant to the Chancellor (Student Organisations): J. R. SEARLE, D.PHIL.
Registrar: C. C. GILLIAM, A.B.
Dean of Students: A. T. WILLIAMS, M.A. (*a.i.*).
Librarian: D. CONEY, M.A.

Number of students: 27,500.

DEANS:

Graduate Division: S. S. ELBERG, PH.D.
College of Agriculture: E. G. LINSLEY, PH.D.
College of Environmental Design: M. MEYERSON, M.C.P.
College of Chemistry: R. E. POWELL, PH.D. (*a.i.*).
College of Letters and Science: W. B. FRETTER, PH.D.
School of Business Administration: D. VOTAW, M.B.A. (*a.i.*).
School of Criminology: J. D. LOHMAN, M.A.
School of Education: G. J. MASLACH, B.S.
School of Forestry: J. A. ZIVNUSKA, PH.D.
School of Law: F. C. NEWMAN, J.S.D.
School of Optometry: M. W. MORGAN, PH.D.
School of Public Health: C. E. SMITH, M.D., D.P.H.
School of Social Welfare: M. CHERNIN, PH.D.
Graduate School of Business Administration: D. VOTAW, M.B.A. (*a.i.*).

PROFESSORS:

Agricultural Economics:
BRESSLER, R. G., Jr., PH.D.
CLARKE, D. A., Jr., PH.D.
COLLINS, N. R., PH.D., Agricultural Economics and Business Administration
FULLER, V., PH.D.
HOOS, S. S., PH.D., Agricultural Economics and Business Administration
KUZNETS, G. M., PH.D., Agricultural Economics, Economics and Statistics,
LEE, I. M., PH.D.
MEHREN, G. L., PH.D.
SAMMET, L. L., PH.D.
WANTRUP, S. V., DR.AGR.
WELLMAN, H. R., PH.D.

Agriculture:
ARNON, D. I., PH.D., Cell Physiology
BAKER, K. F., PH.D., Plant Pathology
BRIGGS, G. M., PH.D., Nutritional Sciences
BROWN, S. W., PH.D., Genetics
BROYER, T. C., B.S., Soils and Plant Nutrition
CALLOWAY, DORIS H., PH.D., Nutritional Science
CAMERON, D. R., PH.D., Genetics
CASIDA, J. E., PH.D., Entomology and Parasitology
CRAIG, R., PH.D., Entomology and Parasitology
DAY, P. R., PH.D., Soils and Plant Nutrition
DEMPSTER, E. R., PH.D., Genetics
DOUTT, R. L., PH.D., LL.B., Biological Control
FREITAG, J. H., PH.D., Entomology and Parasitology
FURMAN, D. P., PH.D., Entomology and Parasitology
HUFFAKER, C. B., PH.D., Entomology and Parasitology
JACOBSON, L., PH.D., Soils and Plant Nutrition
JENSEN, D. D., PH.D., Entomology and Parasitology
JENKINS, J. A., PH.D., Genetics
JENNY, H., D.T.S., Soils and Plant Nutrition
JOSLYN, M. A., PH.D., Nutritional Sciences
LANDIS, J. T., PH.D., Nutritional Sciences
LEPOVSKY, S., PH.D., Poultry Husbandry
LERNER, I.M., PH.D., Genetics
LINSLEY, E. G., PH.D., Entomology and Parasitology
MACKINNEY, G., PH.D., Nutritional Sciences
MACSWAIN, J. W., PH.D., Entomology and Parasitology
MCLAREN, A. D., PH.D., Soils and Plant Nutrition
MARGEN, S., M.D., Nutritional Sciences and Social Welfare
MIDDELKAUFF, W. W., PH.D., Entomology and Parasitology
NEILANDS, J. B., PH.D., Agricultural Biochemistry
OLCOTT, H. S., PH.D., Nutritional Sciences
OVERSTREET, R., PH.D., Soils and Plant Nutrition
SMITH, R. F., PH.D., Entomology and Parasitology
SNYDER, W. C., PH.D., Plant Pathology
STERN, C., PH.D., D.SC., Genetics and Zoology
STOKSTAD, E. L. R., PH.D., Nutritional Sciences
SYLVESTER, E. S., PH.D., Entomology and Parasitology
TAKAHASHI, W. N., PH.D., Plant Pathology

TAYLOR, L. W., PH.D., Poultry Husbandry
USINGER, R. L., PH.D., Entomology and Parasitology
WILHELM, S., PH.D., Plant Pathology
YARWOOD, C. E., PH.D., Plant Pathology

Air Science:
BENNETT, Lt.-Col. G. M.

American Studies:
ZIFF, L., PH.D., English

Anatomy and Physiology
ASLING, C. W., PH.D., M.D., Anatomy
CHAIKOFF, I. L., PH.D., M.D., Physiology
JONES, H. B., PH.D., Physiology
PACE, N., PH.D., Physiology

Anthropology:
BASCOM, W. R., PH.D.
CLARK, J. D., PH.D.
COLSON, ELIZABETH F., PH.D.
FOSTER, G. M., PH.D.
GUMPERZ, J. J., PH.D., Anthropology and South Asian Studies
HEIZER, R. F., PH.D.
HYMES, D. H., PH.D.
MCCOWN, T. D., PH.D.
MANDELBAUM, D. G., PH.D.
ROWE, J. H., PH.D., LITT.D.
SMITH, R. J., PH.D.
WASHBURN, S. L., PH.D.

Art:
AMYX, D. A., PH.D.
BISCHOFF, E. N., M.A.
BONY, J. V.
CAHILL, J., PH.D.
CHIPP, H. B., PH.D.
HALEY, J. C.,
HORN, W. W., PH.D.
KASTEN, K., M.A.
LORAN, E.,
MCCRAY, J. A., M.A.
O'HANLON, R. E.
RUVOLO, F. E.
SCHNIER, J., M.A.

Astronomy:
FIELD, G. B., PH.D.
HENYEY, L. G., PH.D.
PHILLIPS, J. G., PH.D.
WEAVER, H. F., PH.D.

Bacteriology:
DOUDOROFF, M., PH.D.
ELBERG, S. S., PH.D.
FONG, J., PH.D.
MADIN, S. H., D.V.M., PH.D.
STANIER, R. Y., PH.D.

Biochemistry:
BALLOU, C. E., PH.D.
BARKER, H. A., PH.D.
CARPENTER, F., PH.D.
DEKKER, C. A., PH.D.
KOSHLAND, D. E., Jr., PH.D.
LI, C. H., PH.D., Biochemistry and Experimental Endocrinology
NEILANDS, J. B., PH.D.
RABINOWITZ, J. C., PH.D.
SCHACHMAN, H. K., PH.D., Biochemistry and Molecular Biology
SNELL, E. E., PH.D.
STANLEY, W. M., PH.D., SC.D., Biochemistry and Molecular Biology

Botany:
BAKER, H. G., PH.D.
CONSTANCE, L., PH.D.
EMERSON, R., PH.D.
FOSTER, A. S., SC.D.
JENSEN, W. A., PH.D.
MACHLIS, L., PH.D.
PAPENFUSS, G. F., PH.D.
PROSKAUER, J., PH.D., D.SC.

Business Administration:
ALBADEFF, D. A., PH.D.
ANTON, H. R., PH.D.
ARTLE, K. R. A., ECON. DR.
BALDERSTON, F. E., PH.D.
CARTER, J. P., II, PH.D.
CHEIT, E. F., PH.D., LL.B.
CHURCHMAN, C. W., PH.D.
COLLINS, N. R., Business Administration and Economics
COWEE, J. W., PH.D., LL.B.
DAVISSON, M., PH.D., J.D.
DOYLE, L. A., PH.D.
GALENSON, W., PH.D., Industrial Relations
GARBARINO, J. W., PH.D.
GRETHER, E. T., PH.D., LL.D., Economics
HARSANYI, J. C., PH.D.
HENDERSON, J. M., PH.D.
HOLTON, R. H., PH.D.
HOOS, S. S., PH.D., Agricultural Economics, Economics and Business Administration
JASTRAM, R. W., PH.D.
KENNEDY, VAN D., PH.D.
KERR, C., PH.D., Industrial Relations
LI, C.-M., PH.D.
MOONITZ, M., PH.D., Accounting
MORRISSEY, F. P., PH.D.
REVZAN, D. A., PH.D.
ROSS, A. M., PH.D.
STRAUSS, G., PH.D.
ULMAN, L., PH.D.
VANCE, L. L., PH.D., Accounting
VATTER, W. J., PH.D.
VOTAW, D., M.B.A., LL.B.
WENDT, P. F., PH.D., Finance
WHEELER, J. T., PH.D.

Chemistry:
BREWER, L., PH.D.
CALVIN, M., PH.D., SC.D.
CASON, J., Jr., PH.D.
CONNICK, R. E., PH.D.
CUNNINGHAM, B. B., PH.D.
DAUBEN, W. G., PH.D.
GWINN, W. D., PH.D.
JOHNSTON, H. S., PH.D.
JOLLY, W. L., PH.D.
JURA, G., PH.D.
MYERS, R. J., Jr., PH.D.
NOYCE, D. S., PH.D.
O'KONSKI, C. T., PH.D.
ORLEMANN, E. F., PH.D.
PERLMAN, I., PH.D.
PIMENTEL, G. C., PH.D.
POWELL, R. E., PH.D.
RAPOPORT, H., PH.D.
RASMUSSEN, J. O., PH.D.
SEABORG, G. T., PH.D., SC.D., LL.D.
STREET, K., Jr., PH.D.
STREITWIESER, A., Jr., PH.D.
TEMPLETON, D. H., PH.D.

Chemical Engineering:
BROMLEY, L. A., PH.D.
HANSON, D. N., PH.D.
LYON, D. N., PH.D.
PETERSON, E. E., PH.D.
PRAUSNITZ, J. M., PH.D.
TOBIAS, C. W., PH.D.
VERMEULEN, T., PH.D.
WILKE, C. R., PH.D.

Classics:
EMENEAU, M. B., PH.D., Sanskrit and General Linguistics
FONTENROSE, J. E., PH.D.
GORDON, A. E., PH.D., Latin
MACKAY, L. A., M.A., Latin
PRITCHETT, W. K., PH.D., Greek

Criminology:
COLLINGS, R. A., Jr., M.A., LL.B., Criminology and Law
DIAMOND, B. L., Criminology and Law
FOOTE, C., LL.B.
KIRK, P. L., PH.D., Criminalistics
LOHMAN, J. D., M.A.
SHERRY, A. H., LL.B., Criminology and Law
WILKINS, L. T.

Decorative Art:
DUMAS, MARY A., M.A., Design
MILLER, LEA V., M.F.A.
NELSON, LUCRETIA, M.A.
ROSSBACH, C. E., M.F.A.
SPIER, ANNA G., PH.D.

Dramatic Art:
BOGARD, T., PH.D., Dramatic Art and English
GOLDSBY, R. W., M.F.A.
HARRIS, F. O., M.F.A.
MAY, H., B.A.
ROSENBERG, M., PH.D.
WILSON, G. B., PH.D., Speech and Dramatic Art

Economics:
BAIN, J. S., Jr., PH.D.
BREAK, G. F., PH.D.
CIPPOLA, C. M., LAUREA.
DAVISSON, M. M., J.D., PH.D.
DEBREU, G., D.SC.
GALENSON, W., PH.D., Economics and Business Administration
GORDON, R. A., PH.D.
GRETHER, E. T., PH.D., LL.D.
GROSSMAN, G., PH.D.
HOOS, S., PH.D.
JORGENSON, D. W., PH.D.
KERR, C., PH.D., LL.D., Industrial Relations
KIDNER, F. L., PH.D.
KUZNETS, G. M., PH.D.
LEIBENSTEIN, H., PH.D.
LETICHE, J. M., PH.D.
RADNER, R., PH.D.
ROLPH, E. R., PH.D.
SCITOVSKY, T., M.SC., J.D.
ULMAN, L., PH.D.

Education:
CARTER, H. D., PH.D.
CLARK, B. R., PH.D.
EDWARDS, T. B., PH.D.
HOLMES, J. A., PH.D.
JARRETT, J. L., PH.D.
LILGE, F., PH.D.
LONDON, J., PH.D.
MCCONNELL, T. R., PH.D., LL.D., D.H.L.
MEDSKER, L. L., ED.D.
MICHAELIS, J. U., PH.D.
PARKER, J. C., ED.D.
RELLER, T. L., PH.D.
RUDDELL, A. K., ED.D.
RUSSELL, D. H., PH.D.
STEWART, L. L., ED.D.
STONE, J. C., ED.D.
SWANSON, J. C., PH.D.

Engineering (Civil Engineering):
BARON, F., M.S., D.SC.
BRESLER, B., M.S.
CLOUGH, R. W., Jr., SC.D.
DAVIS, H. E., M.S.
EBERHART, H. D., M.S.
EINSTEIN, H. A., D.S.T.
FINCH, D. M., B.S.
HORONJEFF, R., B.S.
JOHNSON, J. W., M.S.
KAUFMAN, W. J., SC.D.
KEIM, P. F., M.SC.
KENNEDY, W. N., B.S.
LIN, T., M.S.
MCGAUHEY, P. H., M.S.
MCNIVEN, H. D., PH.D.
MOFFITT, F. H., M.C.E.
PEARSON, E. A., SC.D.
PENZIEN, J., SC.D.
PIRTZ, D., M.S.
PISTER, K. S., PH.D.

POLIVKA, M., M.S.
POPOV, E. P., PH.D.
RAPHAEL, J. M., M.S.
SCORDELIS, A. C., M.S.
SEED, H. B., PH.D.
TEBBINS, B. D., SC.D.
THOMAS, J. F., PH.D.
TODD, D. K., PH.D.
WIEGEL, R. L., M.S.

Electrical Engineering:
ANGELAKOS, D. J., PH.D.
BIRDSALL, C. K., PH.D.
BLACK, L. J., PH.D.
DALZIEL, C. F., E.E.
DESOER, C. A., SC.D.
EVANS, D. C., PH.D.
HOPKIN, A. M., PH.D.
HUSKEY, H. D., PH.D.
JURY, E. I., SC.D.
KUH, E. S., PH.D.
MORTON, P. L., PH.D.
PEDERSON, D. O., PH.D.
ROBERTSON, B. L., PH.D.
RUMSEY, V. H., B.A.
SILVER, S., PH.D., Engineering Science
SMITH, O. J. M., PH.D.
SUSSKIND, C., PH.D.
THOMASIAN, A. J., PH.D.
WANG, S., PH.D.
WHINNERY, J. R., PH.D.
ZADEH, L. A., PH.D.

Industrial Engineering:
DANTZIG, G. B., PH.D., Engineering Science
DAVIS, L. E., M.S.
DE GARMO, E. P., M.S.
GRASSI, R. C., M.S.
SHEPARD, R. W., PH.D., Engineering Science

Mechanical Engineering:
BROWN, G. W., M.S.
CORNET, I. I., PH.D.
CUNNINGHAM, D. M., M.S.
GIEDT, W. H., PH.D.
FINNIE, I., SC.D.
FRISCH, J., M.S.
GOLDSMITH, W., PH.D., Applied Mechanics
HAZLETT, T. H., M.S.
HOWE, E. D., M.S.
HSU, C. S., PH.D., Applied Mechanics
HUTCHINSON, F. W., M.E., M.S.
IVERSEN, H. W., M.S.
JOHNSON, H. A., M.S.
LAIRD, A. D. K., PH.D.
LAITONE, E. V., M.A.
LEITMANN, G., PH.D., Engineering Science
LEVENS, A. S., M.S., C.E.
LIEBER, P., PH.D., Engineering Science
MASLACH, G. J., B.S., Aeronautical Engineering
NAGHDI, P. M., PH.D., Engineering Science
OPPENHEIM, A. K., PH.D., Aeronautical Sciences
RADCLIFFE, C. W., M.S., M.E.
ROSENBERG, R. M., M.S., Applied Mechanics
SCHAAF, S. A., PH.D., Engineering Science
SEBAN, R. A., PH.D.
SOROKA, W. W., SC.D., Acoustical Sciences
STARKMAN, E. S., M.S.
STEIDEL, R. F., Jr., M.S., D.ENG.
TAKAHASHI, Y., PH.D.
TALBOT, L., PH.D., Aeronautical Sciences
THAL-LARSEN, H., M.S.
THOMSEN, E. G., PH.D.

Mineral Technology:
DORN, J. E., PH.D., Materials Science
FATT, I., PH.D., Petroleum Engineering
FUERSTENAU, D. W., SC.D., Metallurgy
HAWKES, H. E., PH.D., Mineral Exploration
HULTGREN, R. R., PH.D., Metallurgy
PARKER, E. R., MET.E., Metallurgy
PASK, J. A., PH.D., Ceramic Engineering
RAVITZ, S. F., PH.D., Metallurgy
SEARCY, A. W., PH.D., Materials Science
WARD, S. H., PH.D., Mineral Exploration
WASHBURN, J., PH.D., Metallurgy
WITHERSPOON, P. A., Petroleum Engineering

Naval Architecture:
SCHADE, H. A., DR.ING.
WEHAUSEN, J. V., PH.D., Engineering Science

Nuclear Engineering:
AMSTER, H. J., PH.D.
CHAMBRÉ, P. L., PH.D., Engineering Science and Mathematics
GROSSMAN, L. M., PH.D.
PIGFORD, T. H., SC.D.

English:
BOGARD, T. M., PH.D., English and Dramatic Art
BRONSON, B. H., PH.D.
EVANS, B., PH.D.
HART, J. D., PH.D.
HUTSON, A. E., PH.D.
JONES, C. W., PH.D., LITT.D.
JORDAN, J. E., PH.D.
MCKENZIE, G., PH.D.
MILES, JOSEPHINE, PH.D.
MUSCATINE, C., PH.D.
PARKINSON, T. F., PH.D.
RALEIGH, J. H., PH.D.
REED, D. W., PH.D.
SCHORER, M., PH.D., LITT.D.
SHUMAKER, C. W., PH.D.
SMITH, H. N., PH.D.
TRAUGOTT, J. L., PH.D.
TUVESON, E., PH.D.
ZIFF, L., PH.D.

Environmental Design:
CZAJA, E. M., M.A., Architecture
DEMARS, V. A., A.B., Architecture
DYCKMAN, J. W., PH.D., City Planning
ESHERICK, J., B.ARCH., Architecture
FOLEY, D. L., PH.D., City Planning
GOODMAN, M. A., M.A., Architecture
HASSID, S. Y., PH.D., Architecture
LAGORIO, H. J., M.A., Architecture
KENT, T. J., Jr., M.C.P., City Planning
MEYERSON, M., M.C.P., Architecture
MOCINE, C. R., B.S., Architecture, City Planning
OLSEN, D. E., M.ARCH., Architecture
PRESTINI, J. L., B.S., Architecture
REAY, D. P., M.A., Architecture
REICHEK, J., Architecture, City Planning
SIMONDS, G. P., M.A., Architecture, City Planning
VAUGHN, H. L., B.L.A., Landscape Architecture
VIOLICH, F., B.S., City Planning, Landscape Architecture
WHEATON, W. L. C., PH.D., City and Regional Planning
WURSTER, CATHERINE B., A.B., City Planning

Forestry:
BISWELL, H. H., PH.D.
COCKRELL, R. A., PH.D.
COLWELL, R. N., PH.D.
DICKINSON, F. E., PH.D.
GRAH, R. F., PH.D.
HEADY, H. F., PH.D.
MUELDER, D. W., DR.FORESTRY
STONE, E. C., PH.D.
VAUX, H. J., PH.D.
ZIVNUSKA, J. A., PH.D.

French:
CALAME, A. E., DOCTEUR ÈS LETTRES
CARMODY, F. J., PH.D.
DUFRENOY, M.-L., PH.D.
EUSTIS, A. A., Jr., PH.D.
PUTTER, I., PH.D.
RAMSEY, W., PH.D., French and Comparative Literature
SANDMANN, M. M. G., D.LITT.
WALPOLE, R. N., PH.D., French

Geography:
GLACKEN, C. J., PH.D.
PARSONS, J. J., PH.D.
STERNBERG, H. O'R., PH.D.
WHEATLEY, P., PH.D.

Geology and Geophysics:
BOLT, B. A., PH.D., Seismology
CURTIS, G. H., PH.D., Geology
EVERNDEN, J. F., PH.D.
FYFE, W. S., PH.D., Geology
GILBERT, C. M., PH.D., Geology
MEYER, C., PH.D., Geology
PABST, A., PH.D., Mineralogy
TURNER, F. J., SC.D., Geology
VERHOOGEN, J., M.E., PH.D., Geophysics
WARD, S. H., PH.D., Mineral Exploration
WEISS, L. E., SC.D., PH.D., Geology
WILLIAMS, H., SC.D., Geology

German:
BEELER, M. S., PH.D., German and Linguistics
GUTHKE, K. S., DR.PHIL.
JÁSZI, A. O., PH.D.
PALMER, P. M., PH.D.
PENZL, H., DR.PHIL.
POLITZER, H., PH.D.
SPAHR, B. L., PH.D.

History:
BEAN, W. E., PH.D.
BINGHAM, W., PH.D.
BORAH, W., PH.D.
BOUWSMA, W. J., PH.D.
BRENTANO, R. J., D.PHIL.
BROWN, D. M., PH.D.
BRUCKER, G. A., PH.D.
DUPREE, A. H., PH.D., History of Science
GUTTRIDGE, G. H., M.A., English History
HARPER, L. A., J.D., PH.D., American History
HERR, R., PH.D.
KING, J. F., PH.D.
LEVENSON, J. R., PH.D.
MALIA, M. E., PH.D.
MAY, H. F., PH.D.
RAPPAPORT, A., PH.D.
RIASANOVSKY, N. V., DR.PHIL.
ROSENBERG, H., PH.D.
SCHORSKE, C. E., PH.D.
SCHURMANN, H. F., PH.D., History and Sociology
SELLERS, C. G., Jr., PH.D.
SLUITER, E., PH.D.
STAMPP, K. M., PH.D.

Italian:
DE NEGRI, E., DOTT. IN LETTERE
FERRUOLO, A. B., DOTT. IN LETTERE
SCAGLIONE, A. D., DOTT. IN LETTERE

Journalism:
DESMOND, R. W., PH.D.
HULTEN, C. M., M.A.
PICKERELL, A. G., PH.D.
STEWART, K. N., B.LITT.

Law:
BUXBAUM, R. M., A.B., LL.M.
COLE, R. H., LL.B.
COLLINGS, R. A., Jr., M.A., LL.B., Criminology and Law
DEGNAN, R. E., B.S.L., LL.B.
DIAMOND, B. L., M.D., Criminology and Law

EHRENZWEIG, A. A., DR.JUR., J.D., LL.M., J.S.D.
FLEMING, J. G., D.PHIL., D.C.L.
HALBACH, E. C., Jr., A.B., J.D., LL.M.
HENKE, D. F., LL.B.
HETLAND, J. R., B.S.L., LL.B.
HEYMAN, I. M., A.B., LL.B.
JACKSON, J. H., A.B., J.D.
JENNINGS, R. W., M.A., LL.B.
KADISH, S. H., B.S.S., LL.B.
KAGEL, S., A.B., LL.B.
KAY, H. H., A.B., J.D.
KRAGEN, A. A., A.B., LL.B.
LAUBE, W. T., Jr., A.B., J.D., L.L.M.
LOUISELL, D. W., B.S.L., LL.B.
NEWMAN, F. C., A.B., LL.M., J.S.D.
RIESENFELD, S. A., B.S., LL.B., DR.JUR., DOTT.IN GIUR., S.J.D.
SATO, S., A.B., LL.B.
SHEERY, A. H., A.B., LL.B., Law and Criminology
STOLZ, P., A.B., J.D.
SWEET, J., A.B., LL.B.

Librarianship:
CONEY, D., M.A.
DANTON, J. P., PH.D.
MERRITT, LeR. C., PH.D.
SWANK, R. C., PH.D.
WIGHT, E. A., PH.D.

Linguistics:
BEELER, M. S., PH.D., Linguistics and Speech
CHRÉTIEN, C. D., PH.D.
EMENEAU, M. B., PH.D., General Linguistics and Sanskrit
HAAS, MARY R., PH.D.

Mathematics:
BADE, W. G., PH.D.
CHAMBRÉ, P. L., PH.D., Mathematics and Nuclear Engineering
CHERN, S.-S., D.SC.
CORDES, H. O., PH.D.
DE VOGELAERE, R. J., PH.D.
DILIBERTO, S. P., PH.D.
FÁRY, I., PH.D.
FELDMAN, J., PH.D.
FOSTER, A. L., PH.D.
FRIEDMAN, B., PH.D.
HELSON, H., PH.D.
HENKIN, L. A., PH.D.
HOCHSCHILD, G. P., PH.D.
HUSKEY, H. D., PH.D., Mathematics and Electrical Engineering
KATO, T., D.SC.
KELLEY, J. L., PH.D.
LEHMER, D., PH.D.
LEWY, H., PH.D.
LOÈVE, M. M., PH.D., DOCT. ÈS SCIENCES
MORREY, C. B., Jr., PH.D.
MORSE, A. P., PH.D.
PINNEY, E. J., PH.D.
PROTTER, M. H., PH.D.
ROBINSON, R. M., PH.D.
ROSENLICHT, M. A., PH.D.
SEIDENBERG, A., PH.D.
SMALE, S., PH.D.
SPANIER, E. H., PH.D.
TAUB, A. H., PH.D.
TARSKI, A., PH.D.
THOMAS, P. E., PH.D.
VAUGHT, R. L., PH.D.
WOLF, F., PH.D.

Military Science and Tactics:
LAND, J. D., B.S.

Molecular Biology:
CALVIN, M., PH.D., SC.D., Molecular Biology and Chemistry
FRAENKEL-CONRAT, H. L., M.D., PH.D.
DOUDOROFF, M., PH.D., Molecular Biology and Bacteriology
GLASER, D. A., PH.D., Molecular Biology and Physics
KNIGHT, C. A., PH.D.
RUBIN, H., D.V.M.
SCHACHMAN, H. K., PH.D., Molecular Biology and Biochemistry
STANIER, R. Y., PH.D., Molecular Biology and Bacteriology
STANLEY, W. M., PH.D., SC.D., Molecular Biology and Biochemistry
STENT, G. S., PH.D.
WILLIAMS, R. C., PH.D.

Music:
BOYDEN, D. D., M.A.
CUSHING, C.,C., M.A.
DEAN, W., M.A.
DENNY, W. D., M.A.
DUCKLES, V. H., PH.D.
ELSTON, A., PH.D.
IMBRIE, A. W., M.A.
KERMAN, J. W., PH.D.
LAWTON, E. B., Jr., A.B.
MOE, L. H., PH.D.
NIN-CULMELL, J. M.
SHIFRIN, S. J., M.A.
SPARKS, E. H., PH.D.

Naval Science:
REILLY, J. D., B.SC.

Near Eastern Languages:
BRINNER, W. M., PH.D.
FISCHEL, W. J., PH.D., Semitic Languages and Literature
GREENFIELD, J. C., PH.D., South Asian Linguistics and Anthropology
GUMPERZ, J. J., PH.D., Iranian Studies
HENNING, W. B., PH.D., Iranian Studies

Optometry:
BARLOW, H., M.D., Physiological Optics and Optometry
MARG, E., PH.D., Physiological Optics and Optometry
MORGAN, M. W., PH.D., Physiological Optics and Optometry
WESTHEIMER, G., PH.D., Physiological Optics and Optometry

Oriental Languages:
BOODBERG, P. A., PH.D., Oriental Languages and Literature
CARR, D., PH.D.
CHANG, K., PH.D.
CHEN, S.-H., B.LITT., Chinese
SCHAFER, E. H., PH.D.

Palaeontology:
DURHAM, J. W., PH.D.
GREGORY, J. T., PH.D.
KLEINPELL, R. M., PH.D.
SAVAGE, D. E., PH.D.
STIRTON, R. A., PH.D.

Philosophy:
ASCHENBRENNER, K., PH.D.
CRAIG, W., PH.D.
FEUER, L. S., PH.D., Philosophy and Social Science
FEYERABEND, P. K., PH.D.
HUNGERLAND, ISABEL C., PH.D.
MATES, B., PH.D.
RYNIN, D., PH.D.
STRONG, E. W., PH.D.
TUSSMAN, J., PH.D.

Physical Education:
ESPENSCHADE, ANNA S., PH.D.
HENRY, F. M., PH.D.
NORDLY, C. L., PH.D.

Physics:
ALVAREZ, L. W., PH.D.
BRODE, R. B., PH.D., SC.D.
BROWN, R. B., PH.D.
CHAMBERLAIN, O., PH.D.
CHEW, G. F., PH.D.
COLE, K. S., PH.D., SC.D., Medical Physics
FRETTER, W. B., PH.D.
GLASER, D. A., PH.D.
GOLDHABER, G., PH.D.
HAHN, E. L., PH.D.
HELMHOLZ, A. C., PH.D.
JUKES, T. H., PH.D., Medical Physics
KARPLUS, R., PH.D.
KERTH, L. T., PH.D.
KIP, A. F., PH.D.
KITTEL, C., PH.D.
KNIGHT, W. D., PH.D.
LAWRENCE, J. H., M.D., Medical Physics
MANDELSTAM, S., PH.D.
MCMILLAN, E. M., PH.D.
MILLER, D. H., PH.D.
MOYER, B. J., PH.D.
PORTIS, A. M., PH.D.
POWELL, W. M., PH.D.
REIF, F., PH.D.
REYNOLDS, J. H., PH.D.
ROSENFELD, A. H., PH.D.
SEGRÉ, E., PH.D.
STEVENSON, M. L., PH.D.
THORNTON, R. L., PH.D.
TINKHAM, M., PH.D.
TOBIAS, C. A., PH.D., Medical Physics
TRILLING, G. H., PH.D.
WATSON, K. M., PH.D.
WHITE, H. E., PH.D.

Political Science:
AIKIN, C., LL.B., PH.D.
APTER, D. E., PH.D.
BELLQUIST, E. C., PH.D.
HAAS, E. B., PH.D.
JONES, V., PH.D.
LENCZOWSKI, G., LL.M., J.S.D.
LEPAWSKY, A., PH.D.
LIPSON, L. M., PH.D.
MCCLOSKY, H., PH.D.
MOSHER, F. C., PH.D.
ODEGARD, P. H., PH.D.
SCALAPINO, R. A., PH.D.
SEABURY, P., PH.D.
TEN BROEK, J., S.J.D., LITT.D., LL.D.
WALDO, D., PH.D.
WOLIN, S. S., PH.D.

Psychology:
BEACH, F. A., Jr., PH.D.
BLOCK, J., PH.D.
CRUTCHFIELD, R. S., PH.D.
GHISELLI, E. E., PH.D.
GOUGH, H. G., PH.D.
HAIRE, M., PH.D.
KORCHIN, S. J., PH.D.
KRECH, D., PH.D.
LAZARUS, R. S., PH.D.
MACKINNON, D. W., PH.D.
MUSSEN, P. H., PH.D.
POSTMAN, L. G., PH.D.
RILEY, D. A., PH.D.
ROSENZWEIG, M. R., PH.D.
SARBIN, T. R., PH.D.
SHERRIFFS, A. C., PH.D.
SMITH, M. B., PH.D.
TRYON, R. C., PH.D.
TUDDENHAM, R. D., PH.D.

Public Health:
ELBERG, S. S., PH.D., Immunology and Bacteriology
GRIFFITHS, W., PH.D.
KAUFMAN, W. J., SC.D., Sanitary and Radiological Engineering
KNUTSON, A. L., PH.D., Behavioral Sciences
MCGAUHEY, P. H., M.S.
MADIN, S. H., PH.D., D.V.M.
NISSEN-MEYER, S., M.D., PH.D., Biostatics
REEVES, W. C., PH.D., M.P.H., Epidemiology
ROBERTS, BERYL, M.ED., DR.P.H.
ROGERS, E. S., M.D., M.P.H., Public Health and Medical Administration
SMITH, C. E., M.D., D.P.H.
STALLONES, R. A., M.D., M.P.H.

STILES, W. W., M.D., M.P.R.
TABERSHAW, I. R., M.D., Occupational Medicine
TAYLOR, K. O., PH.B., M.B.A., Hospital Administration
TAYLOR, W. F., PH.D., Biostatics
TEBBENS, B. D., SC.D., Industrial Hygiene Engineering
WALLACE, HELEN M., M.D., M.P.H.
YERUSHALMY, J., PH.D., Biostatics

Scandinavian Languages:
HAMRE, H., PH.D.
JANZÉN, A. G., PH.D.

Slavic Languages and Literature:
MASLENIKOV, O. A., PH.D.
MILOSZ, C., M.JURIS.
STRUVE, G., B.A.
WHITFIELD, F. J., PH.D.

Social Welfare:
CHERNIN, M., PH.D.
DE VOS, G. A., PH.D.
GREENWOOD, E., PH.D.
MCENTIRE, D., PH.D.
MCKEANY, MAURINE, PH.D.
MARGEN, S., M.D. Human Nutrition and Social Welfare
WOLINS, M., D.S.W.

Sociology:
BENDIX, R., PH.D.
BLUMER, H., PH.D.
CLAUSEN, J. A., PH.D.
DAVIS, K., PH.D.
EBERHARD, W., PH.D.
GLAZER, N., PH.D., Sociology and Social Science
GLOCK, C. Y., PH.D.
GOFFMAN, E., PH.D.
KORNHAUSER, W. A., PH.D.
LIPSET, S. M., PH.D.
LOWENTHAL, L., PH.D.
PETERSEN, W., PH.D.
SELZNICK, P., PH.D.
SMELSER, N. J., PH.D.
WILENSKY, H. L., PH.D.

Spanish and Portuguese:
ALEGRÍA, R. F., PH.D., Spanish
CATALÁN, D., D.F.Y.L., Spanish
CHAPMAN, G. A., PH.D.
MALKIEL, Y., PH.D., Romance Philology
MONGUIÓ, L., LIC. EN DERECHO, Spanish
MONTESINOS, J. F., LIC. EN FIL. Y LET., Spanish
MORBY, E. S., PH.D., Spanish
SHADI, DOROTHY C., PH.D., Spanish
TORRES-RIOSECO, A., PH.D., Latin-American Literature

Speech:
BARNHART, E. N., PH.D.
BELOOF, R. L., PH.D.
GEIGER, D. J., PH.D.
HAGOPIAN, R., M.F.A.
MARSH, G. E., M.A.
WILSON, G. B., PH.D., Speech and Dramatic Art

Statistics:
BARANKIN, E. W., PH.D.
BLACKWELL, D., PH.D.
FIX, EVELYN A., PH.D.
HODGES, J. L., Jr., PH.D.
KUZNETS, G. M., PH.D., Agricultural Economics
LE CAM, L. M., PH.D.
LEHMANN, E. L., PH.D.
LOÈVE, M., D. ÈS SC., Statistics and Mathematics
RADNER, R., PH.D., Economics and Statistics
SCHEFFÉ, H., PH.D.
SCOTT, ELIZABETH L., PH.D.
THOMASIAN, A. J., PH.D., Statistics and Electrical Engineering

Zoology:
ALFERT, M., PH.D.
BALAMUTH, W., PH.D.
BERG, W. E., PH.D.
BERN, H. A., PH.D.
DE OME, K. B., PH.D.
EAKIN, R. M., PH.D.
GULLBERG, J. E., A.B., Metrology
HAND, C. H., Jr., PH.D.
HARRIS, M., PH.D.
LEOPOLD, A. S., PH.D.
MARLER, P. R., PH.D.
MAZIA, D., PH.D.
MILLER, A. H., PH.D.
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Number of students: 8,000.

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Students: J. D. ANDREWS, M.S. (*a.i.*).
College of Agriculture: J. H. MEYER, PH.D.
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Graduate Division: B. R. HOUSTON, PH.D.
College of Engineering: R. BAINER, M.S.
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BAINER, R., M.S.
COULSON, K. L., PH.D.
HENDERSON, S. M., M.S.
KELLY, C. F., M.S.
KEPNER, R. A., B.S.
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NEUBAUER, L. W., PH.D.

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KNOWLES, P. F., PH.D.
LAUDE, H. M., PH.D.
LOVE, R. M., PH.D.
MIKKELSEN, D. S., PH.D.
PETERSON, M. L., PH.D.
SCHALLER, C. W., PH.D.
SMITH, F. L., PH.D.
STANFORD, E. H., PH.D.
WILLIAMS, W. A., PH.D.
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Animal Husbandry:
BODA, J. M.,
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CUPPS, P. T., PH.D.
HEITMAN, H., Jr., PH.D.
LABEN, R. C., PH.D.
LOFGREEN, G. P., PH.D.
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ROLLINS, W. C., PH.D.
WEIR, W. C., PH.D.

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SMITH, A. H., PH.D.
WAGMAN, I. H., PH.D.

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INGRAHAM, J. L., PH.D.
MARR, A. G., PH.D.
PHAFF, H. J., PH.D.
STARR, M. P., PH.D.

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INGRAHAM, L. L., PH.D.
STUMPF, P. K., PH.D.

Botany:
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STOCKING, C. R., PH.D.
TUCKER, J. M., PH.D.
WEIER, T. E., PH.D.

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ANDREWS, L. J., PH.D.
BRINTON, R. K., PH.D.
KEEFER, R. M., PH.D.
KEPNER, R. E., PH.D.
PAINTER, E. P., PH.D.
REIBER, H. G., PH.D.
SOMMER, L. H., PH.D.
VOLMAN, D. H., PH.D.
YOUNG, H. A., PH.D.

Economics:
CHILD, F. C., PH.D.
GALENSON, W., PH.D.
MAYER, T., PH.D.

Engineering:
BLOOM, S. D., PH.D., Applied Science
BRUSH, D. O., PH.D., Civil
BURGY, R. H., M.S., Civil
GARLAND, C. F., M.S., Mechanical
GIEDT, W. H., PH.D., Mechanical
HENDERSON, S. M., M.S., Agricultural
KEPNER, R. A., B.S., Agricultural
LORENZEN, C., M.S., Agricultural
LUTHIN, J. N., PH.D., Civil
NEUBAUER, L. W., PH.D., Agricultural
POWERS, J. B., PH.D., Electrical
SCOTT, V. H., PH.D., Civil
SMITH, J. M., SC.D., Chemical
SOOHOO, R. F., PH.D., Electrical
TELLER, E., PH.D., Applied Science

English:
CARTER, E., PH.D.
FISHMAN, S., PH.D.
HANZO, T. A., PH.D.
NEEDHAM, GWENDOLYN B., PH.D.
O'CONNOR, W. V., PH.D.
VAN NORDEN, LINDA, PH.D.
WEBER, B., PH.D.
WIGGINS, R. A., PH.D.
WRIGHT, CELESTE T., PH.D.

Entomology:
Bacon, O. G., ph.d.
Bailey, S. F., ph.d.
Bohart, R. M., ph.d.
Laidlaw, H. H., Jr., ph.d.
Lange, W. H., Jr., ph.d.
Stafford, E. M., ph.d.
Summers, F. M., ph.d.

Food Science and Technology:
Chichester, C. O., ph.d.
Collins, E. B., ph.d.
Dunkley, W. L., ph.d.
Feeney, R. E., ph.d.
Marsh, G. L., m.s.
Mrak, E. M., ph.d.
Phaff, H. J., ph.d.
Sterling, C., ph.d.
Stewart, G. F., ph.d.
Tappel, A. L., ph.d.
Tarassuk, N. P., ph.d.
Vaughn, R. H., ph.d.

French and Italian:
Perkins, Merle L., ph.d.

Genetics:
Allard, R. W., ph.d.
Fraser, A. S., ph.d.
Green, M. M., ph.d.
Stebbins, G. L., ph.d.

Geology:
Durrell, C., ph.d.

History:
Jackson, W. T., ph.d.
Liu, K.-C., ph.d.
O'Brien, C. B., ph.d.
Shideler, J. H., ph.d.
Smith, F. W., ph.d.
Woodfill, W. L., ph.d.

Home Economics:
Everson, Gladys J., ph.d.
Hill, F. W., ph.d.
Paul, Pauline C., ph.d.

Landscape Horticulture:
Harris, R. W., ph.d.
Kohl, H. C., Jr., ph.d.

Law:
Barrett, E. L., Jr., m.s.
Dykstra, D. J., s.j.d.
Schwartz, M. D., m.s.

Mathematics:
Alder, H. L., ph.d.
Baker, G. A., ph.d.
Fulton, C. M., ph.d.
Hayes, C. A., Jr., ph.d.
Roessler, E. B., ph.d.
Stein, S. K., ph.d.

Military Science:
Tracy, O. A., Infantry

Music:
Rosen, J. W., m.a.

Nematology:
Allen, M. W., ph.d.
Raski, D. J., ph.d.

Philosophy:
Child, A., ph.d.
Grene, Marjorie, ph.d.

Physical Education:
Kovacic, C. R., ed.d.

Physics:
Draper, J. E., ph.d.
Gardner, M. E., ph.d.
Jungerman, J. A., ph.d.
Patten, C. G., ph.d.

Plant Pathology:
De Vay, J. E., ph.d.
English, W. H., ph.d.
Grogan, R. G., ph.d.
Hewitt, W. B., ph.d.
Houston, B. R., ph.d.
Leach, L. D., ph.d.
Nyland, G., ph.d.
Wilson, E. E., ph.d.

Political Science:
Hardin, C. M., ph.d.
Jacobs, C. E., ph.d.
Musolf, L. D., ph.d.
Puryear, V. J., ph.d.
Zinner, P. E., ph.d.

Pomology:
Bringhurst, R. S., ph.d.
Brooks, R. M., ph.d.
Brown, D. S., ph.d.
Claypool, L. L., ph.d.
Crane, J. C., ph.d.
Griggs, W. H., ph.d.
Hansen, C. J., m.s.
Hartmann, H. T., ph.d.
Hesse, C. O., ph.d.

Poultry Husbandry:
Grau, C. R., ph.d.
Kratzer, F. H., ph.d.
Lepkovsky, S., ph.d.
Taylor, L. W., ph.d.
Wilson, W. O., ph.d.

Psychology:
Dukes, W. F., ph.d.

Sociology:
Berger, B. M., ph.d.
Friedenberg, E. Z., ph.d.
Lemert, E. M., ph.d.

Soils and Plant Nutrition:
Aldrich, D. G., Jr., ph.d.
Broadbent, F. E., ph.d.
Delwiche, C. C., ph.d.
Epstein, E., ph.d.
Harradine, F. F., ph.d.
Rendig, V., ph.d.
Stout, P. R., ph.d.

Vegetable Crops:
Davis, G. N., ph.d.
Harrington, J. F., ph.d.
Lorenz, O. A., ph.d.
MacGillivray, J. H., ph.d.
Morris, L. L., ph.d.
Pratt, H. K., ph.d.
Rick, C. M., Jr., ph.d.
Smith, P. G., ph.d.

Veterinary Medicine:
Adler, H. E., d.v.m., ph.d., Avian Medicine
Bankowski, R. A., d.v.m., ph.d., Avian Medicine
Black, A. L., ph.d., Physiological Sciences
Bustad, L. K., d.v.m., ph.d., Physiological Sciences
Cello, R. M., d.v.m., Clinical Sciences
Christensen, J. F., d.v.m., ph.d., Clinical Sciences
Cordy, D. R., d.v.m., ph.d., Pathology
Douglas, J. R., ph.d., Parasitology
Holm, L. W., ph.d., Physiological Sciences
Jasper, D. E., d.v.m., ph.d., Clinical Pathology
Julian, L. M., d.v.m., ph.d., Anatomy
Kendrick, J. W., d.v.m., Medicine, Surgery, Clinics
Kennedy, P. C., d.v.m., ph.d., Pathology
McGowan, B., Jr., d.v.m., Clinical Sciences
McKercher, D. G., ph.d., Microbiology
Moulton, J. E., d.v.m., ph.d., Pathology
Osebold, J. W., d.v.m., ph.d., Immunology
Peoples, S. A., m.d., Comparative Pharmacology
Pritchard, W. R., d.v.m., ph.d., j.d., Medicine, Surgery, Clinics
Rhode, E. A., Jr., d.v.m., Clinical Sciences
Sadler, W. W., d.v.m., m.p.h. Public Health
Schalm, O. W., d.v.m., ph.d., Clinical Pathology
Schmidt, L. H., ph.d., Physiological Sciences
Stormont, C. N., ph.d., Immunogenetics
Wheat, J. D., d.v.m., Medicine, Surgery, Clinical

Viticulture and Enology:
Amerine, M. A., ph.d., Enology
Berg, H. W., m.s., Enology
Cook, J. A., ph.d.
Guymon, J. F., ph.d.
Nelson, K. E., ph.d.
Olmo, H. P., ph.d.
Weaver, R. J., ph.d.
Webb, A. D., ph.d., Enology

Water Science and Engineering:
Burgy, R. H., m.s.
Doneen, L. D., ph.d.
Hagan, R. M., ph.d.
Henderson, D. W., ph.d.
Luthin, J. N., ph.d.
Scott, V. H., ph.d.

Zoology:
Hildebrand, M., ph.d.
Jameson, E. W., Jr., ph.d.
Miller, M. A., ph.d.
Rosenberg, L. E., ph.d.
Spieth, H. T., ph.d.
Watt, K. E. F., ph.d.

Irvine Campus

Irvine, California 92650

Telephone: Area Code 714, 833-5011.

Opened 1965.

Chancellor: Daniel G. Aldrich, Jr., ph.d.
Vice-Chancellor (Academic Affairs): J. W. Peltason, ph.d.
Vice-Chancellor (Student Affairs): R. L. Balch, a.b.
Vice-Chancellor (Business and Finance): L. E. Cox, m.s.
Registrar: L. C. Gainsley, m.s.
University Librarian: J. E. Smith, b.a.

Number of teachers: 117.
Number of students: 1,500 (est.).

Deans:

College of Arts, Letters and Science:
Biological Sciences: E. A. Steinhaus, ph.d.
Fine Arts: E. C. Garrison, ph.d.
Humanities: S. C. McCulloch, ph.d.
Social Sciences: J. G. March, ph.d.
Graduate Division: R. W. Gerard, ph.d., m.d.
School of Engineering: R. M. Saunders, m.s.
Graduate School of Administration: R. C. Snyder, ph.d.

Professors:

Adams, H. S., ph.d., English
Boughey, A. S., ph.d., Biological Sciences
Ford, K. W., ph.d., Physics
Forrester, A. T., ph.d., Physics
Garrison, E. C., ph.d., Drama
Gelbaum, B. R., ph.d., Mathematics

GERARD, R. W., PH.D., M.D., Biological Sciences
HALL, J. B., PH.D., English
HEINEY, D. W., PH.D., English
HOLLAND, J. J., PH.D., Microbiology
KALISCH, G. K., PH.D., Mathematics
MCCULLOCH, S. C., PH.D., History
MARADUDIN, A. A., PY.D., Physics
MARCH, J. G., PH.D., Psychology and Sociology
MARDER, A. J., PH.D., History
MELDEN, A. I., PH.D., Philosophy
MENTON, S., PH.D., Spanish
MEYER, H. C., PH.D., History
PELLAM, J. R., PH.D., Physics
ROWLAND, F. S. PH.D., Chemistry
SAUNDERS, R. M., M.S., Engineering
SNYDER, R. C., PH.D., Political Science and Administration
STEINHAUS, E. A., PH.D., Biological Science
STEPHENS, G. C., PH.D., Biological Sciences
TAFT, R. W., PH.D., Chemistry
WHITTAKER, R. H., PH.D., Population and Environmental Biology

Los Angeles Campus

LOS ANGELES, CALIFORNIA 90024
Telephone: Area Code 213, 272-8911
Established 1919.

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Vice-Chancellor: F. H. SHERWOOD, PH.D., LL.D.
Vice-Chancellor (Planning): W. G. YOUNG, PH.D., D.SC.
Vice-Chancellor (Administration): C. E. YOUNG, PH.D.
Librarian: R. G. VOSPER, M.A.
Registrar: W. T. PUCKETT, Jr., PH.D.

Number of teachers: 3,100.
Number of students: 26,000.

DEANS:

College of Agriculture: S. H. CAMERON, PH.D.
College of Agriculture and Urban Planning: G. A. DUDLEY, M.A.
College of Letters and Science: F. P. ROLFE, PH.D.
College of Engineering: R. R. O'NEILL, PH.D. (*a.i.*).
College of Fine Arts: W. W. MELNITZ, PH.D.
School and Graduate School of Business Administration: N. H. JACOBY, PH.D., LL.D.
School of Dentistry: R. F. SOGNNAES, PH.D., D.M.D.
School of Education: H. E. WILSON, PH.D.
School of Law: R. C. MAXWELL, LL.B.
School of Library Service: L. C. POWELL, PH.D., LITT.D.
School of Medicine: S. M. MELLINKOFF, M.D.
School of Nursing: Mrs. LULU WOLF HASSENPLUG, R.N., M.P.H.
School of Public Health: L. S. GOERKE, PH.D., M.D.
School of Social Welfare: EILEEN BLACKEY, D.S.W.
Graduate Division: H. W. MAGOUN, PH.D.
Students: B. H. ATKINSON, ED.D.

PROFESSORS:

Air Science:
ELTON, A. M., A.B.

Agricultural Sciences:
BALD, J. G., PH.D.
EBELING, W., PH.D.
JOHNSON, B. L., PH.D.
STOUTEMYER, V. T., PH.D.
WALLACE, A., PH.D.

Anatomy:
ADEY, W. R., M.D.
BRAZIER, MARY A. B., PH.D.
CLEMENTE, CARMINE D., PH.D
ELDRED, E., M.D.
FRENCH, J. D., M.D.
GREULICH, R. C., PH.D.
MAGOUN, H. W., PH.D.
MURPHY, F. D., M.D., SC.D.
O'MALLEY, C. D., PH.D.
OTTOMAN, R. E., M.D.
PEASE, D. C., PH.D.
SAWYER, C. H., PH.D.
SEGUNDO, J. P., M.D.
SOGNNAES, R. F., PH.D., D.M.D.
TSCHIRGI, R. D., M.D., PH.D.

Anthropology:
BEALS, R. L., PH.D.
BIEBUYCK, D., PH.D.
BIRDSELL, J. P., PH.D.
GOLDSCHMIDT, W. R., PH.D.
HOIJER, H., PH.D.
KUPER, HILDA, PH.D.
LESSA, W. A., PH.D.
MEIGHAN, C. W., PH.D.
SMITH, M. G., PH.D.
TURNER, R. H., PH.D.
WILBERT, J., PH.D.

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DUDLEY, G. A., M.F.A.

Art:
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BIRKMEYER, K. M., PH.D.
BRICE, W. J., M.A.
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DAVIDSON, J. LE R., PH.D.
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WIGHT, F. S., M.A.

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ALLER, L. H., PH.D.
HERRICK, S., PH.D.
POPPER, D. M., PH.D.

Bacteriology:
PICKETT, M. J., PH.D.
RITTENBERG, S. C., PH.D.

Biological Chemistry:
FINK, R. M., PH.D.
MCKEE, R. W., PH.D.
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ZAMENHOF, S., PH.D.

Biophysics and Nuclear Medicine
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ROSS, J. F., M.D.
SELLE, W. A., M.D., PH.D.
SIMMONS, N. S., D.M.D., PH.D.

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BROWN, W. F., Jr., PH.D.
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CASSADY, R., Jr., PH.D.
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Tompkins, C. B., ph.d.
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Zamenhof, S., ph.d.

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Bauer, F. K., m.d.
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Sternberg, T. H., m.d.
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Holmboe, J., m.sc.
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Neiburger, M., ph.d.
Sekera, Z., d.sc.
Wurtele, M. G., ph.d.

Military Science and Tactics:
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Music:
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Rubsamen, W. H., ph.d.
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Wachsmann, K. P., ph.d.

Naval Science:
Dupzyk, R. R., b.s.

Near Eastern and African Languages:
Leslau, W., ph.d.
Perlmann, M., ph.d.
Tietze, A., ph.d.
Welmers, W. E., ph.d.

Nursing:
Hassenplug, Lulu Wolf, r.n., m.p.h.
Johnson, Dorothy E., r.n., m.p.h.

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Emerson, Gladys A., ph.d.
Swendseid, Marian E., ph.d.

Obstetrics and Gynaecology:
Assali, N. S., m.d.
Mastroianni, L., Jr., m.d.
Moore, J. G., m.d.
Morton, D. G., m.d.

Oriental Languages:
Busch, Fr. H., ph.d.
Lao, K., b.a., Academician
Rudolph, R. C., ph.d.
Schreiber, Fr. G., ph.d.
Wang, C.-C., b.a.

Pathology:
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Latta, H., m.d.
Madden, S. C., m.d.
Zeldis, L. J., m.d.

Paediatrics:
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Adams, J. M., m.d.
Boak, Ruth A., m.d., ph.d.
Brooks, M. B., m.d.
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Moss, A. J., m.d.
Nikiforuk, G., d.d.s.
Wright, S. W., m.d.

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Taylor, D., m.a., m.d.

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Montague, R. M., ph.d.
Moody, E. A., ph.d.
Robinson, A., ph.d.
Robson, J. W., ph.d.
Yost, R. M., Jr., ph.d.

Physical Education:
Brown, Camille, ed.d.
Hunt, Valerie, ed.d.
Miller, B. W., ph.d.
Morehouse, L. E., ph.d.
Snyder, R. A., ed.d.

Physical Medicine and Rehabilitation:
Worden, R. E., m.d.

Physics:
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Bommel, H. E., ph.d.
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Fried, B., ph.d.
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COLEMAN, N. T., PH.D., Soils and Plant Nutrition
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DE BACH, P. H., PH.D., Biological Control
DICKSON, R. C., PH.D., Entomology
DUGGER, W. M., PH.D., Botany
EBELING, W., PH.D., Entomology
EDNEY, E. B., PH.D., Zoology
EWART, W. H., PH.D., Entomology
FLESCHNER, C. A., PH.D., Biological Control
FUKUTO, T. R., PH.D., Entomology
GERARD, H. B., PH.D., Psychology
GLECKNER, R. F., PH.D., English
GOLINO, C. L., PH.D., Italian
GROSS, W. J., PH.D., Zoology
GUNTHER, F. A., PH.D., Entomology
HAWTHORNE, MARION F., PH.D., Chemistry
HEWITT, J. E., ED.D., Physical Education
HINDERAKER, I., PH.D., Political Science
HOSTETTER, R., PH.D., History
JEFFERSON, R., PH.D., Entomology
JENKIN, T. P., PH.D., Political Science
JOHNSON, O. A., PH.D., Philosophy
JONES, F. B., PH.D., Mathematics
JONES, W. W., PH.D., Horticultural Science
KENDRICK, J. B., Jr., PH.D., Plant Pathology
LAWSON, A. W., Jr., PH.D., Physics
LINDENBERGER, H. S., PH.D., English and Comparative Literature
MARCH, R. B., PH.D., Entomology
MARTIN, J. P., PH.D., Soils and Plant Nutrition
METCALF, R. L., PH.D., Entomology
MIDDLETON, J. T., PH.D., Plant Pathology
MUNNECKE, D. E., PH.D., Plant Pathology
NEWELL, I. M., PH.D., Zoology
NISBET, R. A., PH.D., Sociology
OLMSTED, J. W., PH.D., History
PARKER, D. R., PH.D., Zoology
PERRY, R. L., PH.D., Agricultural Engineering
PITTS, J. N., Jr., PH.D., Chemistry
PRATT, P. F., PH.D., Soils and Plant Nutrition
REAGAN, M. D., PH.D., Political Sicence
REUTHER, W., PH.D., Horticultural Science
REYNOLDS, H. T., PH.D., Entomology
RICHARDS, S. J., PH.D., Soils and Plant Nutrition
RIESEN, A. H., PH.D., Psychology
SHAPIRO, V. L., PH.D., Mathematics
SINCLAIR, W. B., PH.D., Biochemistry
SMILEY, M., PH.D., Mathematics
SMITH, R. J., PH.D., Horticultural Science
SOOST, R. K., PH.D., Horticultural Science
STOREY, W. B., PH.D., Horticultural Science
STRAUBINGER, O. P., PH.D., German
TUNELL, G., PH.D., Geology
TURNER, A. C., PH.D., Political Science
TURRELL, F. M., PH.D., Biochemistry
UHR, C. G., PH.D., Economics
WALLACE, J. M., PH.D., Plant Pathology
WEDDING, R. T., PH.D., Biochemistry
WHEELWRIGHT, P. E., PH.D., Philosophy
WILD, R. L., PH.D., Physics
ZENTMYER, G. A., Jr., PH.D., Plant Pathology

San Diego Campus

P.O. BOX 109, LA JOLLA, CALIFORNIA 92038
Telephone: 453-2000.

Became part of the University, 1912.

Chancellor: JOHN S. GALBRAITH, PH.D.
Vice-Chancellor (Academic Affairs): C. H. ECKART, PH.D.
Vice-Chancellor (Business and Finance): R. H. BIRON, LL.B.
Provost of Revelle College: E. D. GOLDBERG, PH.D.
Provost of the Second College: J. L. STEWART, PH.D.
Director of Scripps Institution of Oceanography: W. A. NIERENBERG, PH.D.
Dean of the School of Medicine: J. STOKES, III, M.D.
Registrar and Admissions Officer: J. W. BROWN, M.A.
Librarian: M. J. VOIGT, M.A.

Number of teachers: 170.
Number of students: 1,400.

Publications: *Undergraduate Bulletin, Graduate Division Announcement, Announcement, Scripps Institution of Oceanography, Chancellor's Newsletter.*

PROFESSORS:

ANDERSON, N. H., PH.D., Psychology
ARNOLD, J. R., PH.D., Chemistry
ARRHENIUS, G. O., D.SC., Earth Sciences
ARTHUR, R. S., PH.D., Oceanography, Oceanic Research
BACKUS, G. E., PH.D., Earth Sciences
BARRACLOUGH, G., PH.D., History
BENSON, A. A., PH.D., Marine Biology
BISHOP, E. A., PH.D., Mathematics
BLANCO, C., PH.D., Literature
BOOKER, H. G., PH.D., Applied Electrophysics
BOWLES, K. L., PH.D., Applied Electrophysics
BRADNER, H., PH.D., Aerospace Engineering
BRUECKNER, K. A., PH.D., Physics
BURBIDGE, E. MARGARET, PH.D., Chemistry
BURBIDGE, G. R., PH.D., Physics
BURCKHARDT, S., PH.D., Literature
BUTLER, W. L., PH.D., Biology
CASALDUERO, J., PH.D., Literature
CRAIG, H., PH.D., Earth Sciences
ECKART, C., PH.D., Physics
ELLIOTT, R. C., PH.D., Literature
ENGEL, A. E. J., PH.D., Earth Sciences
FAGER, E. W., PH.D., D.PHIL., Oceanography
FEHER, G., PH.D., Physics
FOX, D. L., PH.D., Marine Biology
FRANKEL, T. T., PH.D., Mathematics
GALBRAITH, J. S., PH.D., History
GILBERT, J. F., PH.D., Earth Sciences
GOLDBERG, E. D., PH.D., Earth Sciences
GROBSTEIN, C., PH.D., Biology
GUILLEN, C., PH.D., Literature
HAGIWARA, S., M.D., Marine Biology
HARRIS, S. E., PH.D., Economics
HAXO, F. T., PH.D., Marine Biology
HENRY, Father P., D.D., Philosophy
INMAN, D. L., PH.D., Oceanic Research
ISAACS, J. D., B.S., Marine Life Research Group
KAMEN, M. D., PH.D., Chemistry
KOHN, W., PH.D., Physics
KOREVAAR, J., PH.D., Mathematics
KROLL, N. M., PH.D., Physics
LIBBY, P. A., PH.D., Aerospace Engineering
LIEBERMANN, L. N., PH.D., Physics
LIN, SHAO-CHI, PH.D., Aerospace Engineering
LIVINGSTON, R. B., M.D., School of Medicine
LOVBERG, R. H., PH.D., Physics
MANDLER, G., PH.D., Psychology
MARCUSE, H., PH.D., Philosophy
MATTHIAS, B. T., PH.D., Physics
MAYER, J. E., PH.D., SC.D., Chemistry
MAYER, MARIA G., PH.D., SC.D., Physics
MCGILL, W. J., PH.D., Psychology
MENARD, H. W., Jr., PH.D., Institute of Marine Resources
MILES, J. W., PH.D., Aerospace Engineering
MUNK, W. H., PH.D., Earth Sciences
NACHBAR, W., PH.D., Aerospace Engineering
NEWMARK, L. D., PH.D., Linguistics
NIERENBERG, W. A., PH.D., Physics
PEARCE, R. H., PH.D., Literature
PENNER, S. S., PH.D., Aerospace Engineering
PERRY, C. L., Jr., PH.D., Mathematics
PHLEGER, F. B., PH.D., Oceanic Research
PICCIONI, C., PH.D., Physics
POPKIN, R. H., PH.D., Philosophy
PRAGER, W., PH.D., Aerospace Engineering
RAITT, R. W., PH.D., Earth Sciences
REVELLE, R. R., PH.D., Scripps Institution of Oceanography
ROHRL, H., D.SC., Mathematics
ROSENBLATT, M., PH.D., Mathematics
ROSENBLUTH, M. N., PH.D., Physics
SAROLLI, G.-R., PH.D., Literature
SAUNDERS, J. L., PH.D., Philosophy
SCHAEFER, M. B., PH.D., Oceanography
SCHOLANDER, PER F., M.D., PH.D., Marine Biology
SHEPARD, F. P., PH.D., Oceanic Research
SINGER, S. J., PH.D., Biology
SPIESS, F. N., PH.D., Oceanography
STERN, H., PH.D., Biology

STEWART, J. L., PH.D., Literature
STOKES, J., III, M.D., School of Medicine
STROLL, A., PH.D., Philosophy
SUESS, H. E., PH.D., Chemistry
SUHL, H., PH.D., Physics
UREY, H. C., PH.D., SC.D., Chemistry
VACQUIER, V., M.A., Earth Sciences
VOLCANI, B. E., PH.D., Marine Biology
WARSCHAWSKI, S. E., PH.D., Mathematics
WOOSTER, W. S., PH.D., Oceanography, Oceanic Research
WRIGHT, A. H., PH.D., Literature
YORK, H., PH.D., Physics
ZIMM, B. H., PH.D., Chemistry
ZOBELL, C. E., PH.D., Marine Biology

San Francisco Medical Center

Established 1873.

Chancellor: JOHN B. DE C. M. SAUNDERS, M.B., CH.B., F.R.C.S.
Vice-Chancellor (Academic Affairs): J. E. DUNPHY, M.D. (*a.i.*).
Recorder: Mrs. M. HELEN CHRYST.
Librarian: J. B. DE C. M. SAUNDERS.

Number of teachers: 334.
Number of students: 2,204.

DEANS:

School of Dentistry: B. W. PAVONE, D.D.S.
School of Pharmacy: T. C. DANIELS, PH.D.
School of Medicine: W. O. REINHARDT, M.D.
School of Nursing: HELEN E. NAHM, PH.D.
Students: W. C. FLEMING, D.D.S., D.SC.
Graduate Division: H. A. HARPER, PH.D.
Educational Services: S. M. FARBER, M.D., L.D.S., PH.D.

PROFESSORS:

School of Dentistry:
FLEMING, W. C., D.D.S., D.SC., Operative Dentistry
GRIMM, D. H., D.D.S., M.S., Oral Surgery
HUGHES, G. A., D.D.S., Denture Prosthesis
MYERS, H. M., D.D.S., M.S., P.HD., Oral Biology
PAVONE, B. W., M.A., D.D.S., Dentistry
RATCLIFF, P. A., D.D.S., Periodontology
REGLI, C., D.D.S., Denture Prosthesis
RULE, R. W., Jr., D.D.S., Operative Dentistry
STRAIN, J. C., D.D.S., Denture Prosthesis

School of Pharmacy:
BROCHMANN-HANSSEN, E., PH.D., Pharmaceutical Chemistry and Pharmacy
BRODIE, D. C., PH.D., Pharmacy and Pharmaceutical Chemistry
CRAIG, J. C., D.SC., PH.D., Chemistry and Pharmaceutical Chemistry
DANIELS, T. C., PH.D., Pharmaceutical Chemistry
EILER, J. J., PH.D., Biochemistry and Pharmaceutical Chemistry
GOYAN, F. M., PH.D., Chemistry and Pharmaceutical Chemistry
GOYAN, J. E., PH.D., Pharmacy and Pharmaceutical Chemistry
JORGENSEN, E. C., PH.D., Chemistry and Pharmaceutical Chemistry
KUMLER, W. D., PH.D., Chemistry and Pharmaceutical Chemistry
PRATT, R., PH.D., Pharmacognosy and Antibiotics
RIEGELMAN, S., PH.D., Pharmacy and Pharmaceutical Chemistry
STRAIT, L. A., PH.D., Biophysics and Pharmaceutical Chemistry
TUCK, L. D., PH.D., Chemistry and Pharmaceutical Chemistry
WAY, E. L., PH.D., Pharmacology and Toxicology
WOLFF, M. E., PH.D., Pharmacy and Pharmaceutical Chemistry

School of Medicine:
ADAMS, J. E., M.D., Neurological Surgery
AGGELER, P. M., M.D., Medicine
AIRD, R. B., M.D., Neurology
AUDY, J. R., M.D., Tropical Medicine and Human Ecology
BENNETT, L. L., PH.D., M.D., Physiology
BERBLINGER, K. W., M.D., Psychiatry
BOLDREY, E. B., M.D., M.SC., Neurological Surgery
BRAINERD, H. D., M.D., Clinical Medicine
BROWN, ELLEN, M.D., Medicine
BUSCHKE, F., M.D., Radiology
CLEMENTS, J. A., M.D., Pædiatrics
COMROE, J. H., M.D., Physiology
CREDE, R. H., M.D., Medicine
CROCKER, T. T., M.D., Medicine
CULLEN, S. C., M.D., Anæsthesia
DEAMER, W. C., M.D., Pædiatrics
DUNPHY, J. E., M.D., Surgery
EDELMAN, I. S., M.D., Medicine
EDDIE, BERNICE, D.P.H., Experimental Pathology
ELLIOTT, H. W., M.D., Pharmacology
FEATHERSTONE, R. M., PH.D., Pharmacology
FORSHAM, P. H., M.D., Medicine and Pædiatrics
GANONG, W. F., M.D., Physiology
GOLDMAN, L., M.D., Surgery
GORDAN, G. S., Jr., M.D., Medicine
GREENBERG, L. D., PH.D., Pathology
GROSSMAN, M., M.D., Pædiatrics
GUTTENTAG, O., M.D., Medicine
HARPER, H. A., PH.D., Biochemistry
HARRIS, R. E., PH.D., Psychiatry
HAVEL, R. J., M.D., Medicine
HOGAN, M. J., M.D., Ophthalmology
HOPPER, J. M., Jr., M.D., Medicine
INMAN, V. T., PH.D., M.D., Orthopædic Surgery
JAWETZ, E., PH.D., M.D., Microbiology
JONES, M. D., M.D., Radiology
KELLOGG, R. H., M.D., Physiology
KIMURA, S. J., M.D., Ophthalmology
KUN, E., M.D., Pharmacology
LEVINTOW, L., M.D., Microbiology
LI, C. H., PH.D., Experimental Endocrinology
LIBET, B., PH.D., Physiology
LINDSAY, S., M.D., Pathology
LUCAS, D. B., M.D., Orthopædic Surgery
LUCIA, S. P., M.D., SC.D., Medicine
MCCORKLE, H. J., M.D., Surgery
MCILROY, M. B., M.D., Medicine
MACRAE, D., M.D., Neurology
MARGULIS, A. R., M.D., Radiology
MEYERS, F. H., M.D., Pharmacology
MILLER, E. R., M.D., Radiology
MILLER, M. R., PH.D., M.D., Anatomy
MONIE, I. W., M.B., CH.B., Anatomy
MOON, H. D., M.D., Pathology
MORALES, M. F., PH.D., Biochemistry
OVERSTREET, E. W., M.D., Obstetrics and Gynæcology
PAGE, E. W., M.D., Obstetrics and Gynæcology
PATT, H. M., PH.D., Radiobiology
REINHARDT, W. O., M.D., Anatomy
RUESCH, J., M.D., Psychiatry
SAUNDERS, J.B. de C. M., M.B., CH.B., F.R.C.S., Anatomy
SCOTT, K. G., PH.D., Radiology
SEVERINGHAUS, J. W., M.D., Anæsthesia
SHAW, E. B., M.D., Pædiatrics
SHELINE, G. E., M.D., Radiology
SIMON, A., M.D., Psychiatry
SMITH, L. H., Jr., M.D., Medicine
SOKOLOW, M., M.D., Medicine
SOOY, F. A., M.D., Otolaryngology
STEINBACH, H. L., M.D., Radiology
SZUREK, S. A., M.D., Psychiatry
TARVER, H., PH.D., Biochemistry
THYGESON, P., M.D., Ophthalmology
VEITH, ILSA, PH.D., History of Health Sciences
WOOD, D. A., M.D., Pathology
YANG, J. T., M.D., Biochemistry

School of Nursing:
INGMIRE, A. E., ED.D.
NAHM, H. E., PH.D.
STRAUSS, A. L., PH.D.

Santa Barbara

SANTA BARBARA, CALIFORNIA 93106

Telephone: 968-1511.

Became part of the University, 1944.

Chancellor: VERNON I. CHEADLE, PH.D.
Vice-Chancellor (Academic Affairs): A. R. BUCHANAN, PH.D.
Vice-Chancellor: (Student Affairs): S. S. GOODSPEED, PH.D.
Vice-Chancellor (Business and Finance) L. DUSMET.
Vice-Chancellor (Research): F. WALL.
Dean of the Graduate Division: E. L. GRIGGS, PH.D.
Dean of the College of Letters and Science: D. R. CRESSEY, PH.D.
Dean of the School of Engineering: A. G. CONRAD, E.E.
Dean of the School of Education: R. M. THOMAS.
Dean of Men: R. N. EVANS, B.S.
Dean of Women: ELLEN E. BOWERS, M.A.
Dean of Students: L. G. REYNOLDS, ED.D.
Registrar: T. HARDER, ED.D.
Foreign Student Adviser: M. D. EPSTEIN, B.A.
Librarian: D. C. DAVIDSON, PH.D.

Number of students: 10,000.

PROFESSORS:

ADAMS, H. M., PH.D., History
AGGELER, W. F., PH.D., French
ALTUS, W. D., PH.D., Psychology
ANGELLO, S. J., PH.D., Electrical Engineering
ATKINS, S. P., Foreign Languages
BAER, K., PH.D., Art
BAKER, B., Chemistry
BAKER, G., Political Science
BICKERDIKE, E. L., PH.D., Chemistry
BROIDA, H. P., PH.D., Physics
BROWNING, L. N., M.A., Music
BRUICE, T. C., PH.D., Biochemistry
BUCHANAN, A. R., PH.D., History
BUNTON, C. A., PH.D., Chemistry
CALDWELL, D., Physics
CHEADLE, V. I., PH.D., Botany
CHRISTY, VAN A., PH.D., Music
CONRAD, A. G., E.E., Electrical Engineering
COTTON, J. W., PH.D., Psychology
CRESSEY, D. R., PH.D., Sociology
CUSHING, J. E., Jr., PH.D., Immunology
DAMON, P. W., PH.D., English
DANIEL, E., Music
DAVENPORT, D., PH.D., Zoology
DE CONDE, A., PH.D., History
DE LATTRE, P., PH.D., French
DE WOLFE, BARBARA B., PH.D., Zoology
DOLE, W., Jr., PH.D., Art
DOZER, D., History

DURFLINGER, G. W., ED.D., Education
EBENSTEIN, W., PH.D., Political Science
EISBERG, R. M., PH.D., Physics
ERASMUS, C. J., PH.D., Anthropology
ERICKSON, MARY M., PH.D., Zoology
ESAU, KATHERINE, PH.D., Botany
EXNER, R. C., Foreign Language
FAN, K., Mathematics
FAULKNER, M. E., PH.D., Music
FINGARETTE, H., PH.D., Philosophy
FITZGIBBON, R. R., Political Science
FOLADARE, J., PH.D., English
FRICKER, P. R., Music
FROST, W., PH.D., English
GEIRINGER, K. J., PH.D., Music
GILLESPIE, J. E., PH.D., Music
GIRVETZ, H. K., PH.D., Philosophy
GOGEL, D., Sociology
GOLD, D., PH.D., Sociology
GOODSPEED, S. S., PH.D., Political Science
GOTTSDANKER, R. M., PH.D., Psychology
GRIGGS, E. L., PH.D., English
HAND, G., PH.D., English
HANLEY, T., PH.D., Speech
HARDER, T., ED.D., Physical Education
HARDIN, G. J., PH.D., Biology
HATLEN, T. W., PH.D., Dramatic Art
HODGKINS, JEAN L., ED.D., Physical Education
HOLLISTER, C. W., History
HORVATH, S. M., PH.D., Physical Education
HSU, I. C., Y., History
JACOBS, W. R., PH.D., History
JONES, EVELYN M., PH.D., Home Economics
KELLY, P. J., PH.D., Mathematics
KENDLER, H. H., PH.D., Psychology
KENNEDY, W. F., PH.D., Economics
KENNER, W. H., PH.D., English
KINNAIRD, L., History
KRAYK, S., Music
LANTAGNE, J. E., ED.D., Physical Education
LEWIS, H. W., PH.D., Physics
MARCUS, M., PH.D., Mathematics
MATHEWS, J. C., PH.D., English
MATTHAEI, G. L., PH.D., Electrical Engineering
MICHAEL, W. B., PH.D., Education
MICHAELSON, R. S., Religious Studies
MILLER, G. H., PH.D., Chemistry
MINC, H., PH.D., Mathematics
MOIR, A., Art
MOSELY, M. F., Jr., PH.D., Botany
MUDRICK, M., PH.D., English
MULLER, C., PH.D., Botany
MULLER, W. H., Biological Sciences
NAIR, R. K., ED.D., Education
NOBLE, E. P., PH.D., Zoology
ORDUNG, P. F., D.E., Electrical Engineering
PEARCE, D. R., PH.D., English
POWELL, P. W., PH.D., History
PREMACK, D., Psychology
PRITCHETT, C. H., Political Science
RAUCH, S. E., PH.D., Mathematics
SANDS, L. B., ED.D., Education
SAWYER, R., Physics
SEEFELD, K. A., ED.D., Education
SELWOOD, P. W., PH.D., Chemistry
SKALNIK, J. G., Electrical Engineering
SNIDECOR, J. C., PH.D., Speech
SPAULDING, C. B., PH.D., Sociology
STEINHAUER, H., PH.D., German
THOMAS, R. M., PH.D., Education
TILTON, G. R., Geology
TURNER, H. A., PH.D., Political Science
WALL, F., PH.D., Chemistry
WALTON, L. F., PH.D., Mathematics
WATERS, A., PH.D., Geology
WAY, S., Mechanical Engineering
WEBB, R. W., PH.D., Geology
WEINTRAUB, R., Economics
WIENPAHL, P. D., Philosophy
WILLIAMS, R., History
WILLSON, L., PH.D., English
WILSON, C. H., Jr., M.M., Music
WITZELL, O., PH.D., Mechanical Engineering
ZYTOWSKI, C. B., Music

Santa Cruz Campus

SANTA CRUZ, CALIFORNIA 95060

Telephone: Area Code 408, 426-7300.

Chartered 1961; Opened 1965.

Chancellor: DEAN E. MCHENRY, PH.D.
Vice-Chancellor: F. H. CLAUSER, Academic Vice-Chancellor, PH.D.
Registrar: H. B. SHONTZ, Assistant Chancellor (Student Services), M.ED.
Librarian: D. T. CLARK, B.A., B.S., M.B.A.
Director of Academic Planning: B. STOOKEY, Jr., A.M.T.
Business and Finance Officer: H. A. HYDE, Assistant Chancellor (Business and Finance), M.B.A.

Number of teachers: 62.
Number of students: 650.

DEANS:

Provost of Cowell College: P. SMITH, PH.D.
Provost of College: C. H. PAGE, PH.D.
Provost of College: K. V. THIMANN, PH.D.

PROFESSORS:

BLINKS, L. R., PH.D., Biology
CLAUSER, F. H., PH.D., Engineering
KAPLAN, B., PH.D., Psychology
NATANSON, M. A., PH.D., Philosophy
PAGE, C. H., PH.D., Sociology
POPPER, H. J., PH.D., Music
PUKNAT, S. B., PH.D., German
RAY, P. M., PH.D., Biology
SMITH, C. P., PH.D., Historical Studies
THIMANN, K. V., PH.D., Biological Sciences
WILLSON, F. M. G., PH.D., Government
YOUNGS, J. W. T., PH.D., Mathematics

Cancer Research Institute.
Director: D. A. WOOD, M.D.

Cardiovascular Research Institute.
Director: J. H. COMROE, Jr., M.D.

Hooper Foundation.
Director: J. R. AUDY, M.D.

Hormone Research Laboratory.
Director: C. H. LI, PH.D.

Metabolic Research Unit.
Director: P. H. FORESHAM, M.D.

Francis I. Proctor Foundation.
Director: P. THYGESON, M.D.

Radiobiology Laboratory.
Director: H. M. PATT, PH.D.

Lick Observatory, Mt. Hamilton

Became part of the University, 1888.
Director: A. E. WHITFORD, PH.D.

Los Alamos, New Mexico, Scientific Laboratory

Director: N. E. BRADBURY, B.S., PH.D., D.SC., LL.D.

AFFILIATED SCHOOLS:

Hastings College of the Law: San Francisco.
Dean: A. M. SAMMIS, LL.B.

San Francisco Art Institute.
Director: G. G. WOODS.

UNIVERSITY OF REDLANDS

REDLANDS, CALIFORNIA

Telephone: Pyramid 3-2121.

Founded 1907.

President: GEORGE H. ARMACOST, PH.D.
Dean: M. J. SMITH, PH.D.
Registrar: ESTHER N. MERTINS, M.A.
Librarian: L. MARSHBURN, M.S. IN L.S. (acting).

The library contains 128,505 volumes.
Number of teachers: 94.
Number of students: 1,221 (spring 1963).
Publication: *University of Redlands Bulletin.*

DEANS:

Education: R. L. WEST.
Music: L. P. SPELMAN.
Physical Education: E. R. DAVIES.
Students: R. GOODRIDGE.
Graduate School: W. E. UMBACH.

UNIVERSITY OF SAN FRANCISCO

2130 FULTON STREET, SAN FRANCISCO, CALIFORNIA 94117.

Founded 1855.

President: Rev. CHARLES W. DULLEA.
Vice-President: Rev. P. J. HARNEY, S.J.
Registrar: W. J. DILLON.
Secretary-Treasurer: J. M. CORBETT, S.J.
Librarian: Rev. W. J. MONIHAN, S.J.

Number of teachers: 262.
Number of students: 4,600.
Publications: *Wasmann Journal, Pacific Prospectus.*

DEANS AND DIRECTORS:

College of Liberal Arts and Sciences: Rev. E. J. SMYTH, S.J.
Business Administration: V. P. WRIGHT.
School of Law: F. R. WALSH.
Nursing: Sister MARY BEATA, S.M.
Graduate Division: Rev. J. H. MARTIN, S.J. (Director).
Evening College: Rev. G. A. SUGRUE, S.J. (Director).
Students: Rev. J. J. LO SCHIAVO, S.J.
Men: Rev. R. A. SUNDERLAND, S.J.
Women: ANNE F. DOLAN.

UNIVERSITY OF SANTA CLARA

SANTA CLARA, CALIFORNIA

Telephone: Axminster 6-3360.
Telegraphic Address: Santa Clara, Calif.

Founded 1851.

President: PATRICK A. DONOHOE, S.J.
Academic Vice-President: A. I. MEI, S.J.
Treasurer: C. F. GUENTHER, S.J.
Registrar: D. P. ARATA.
Librarian: E. R. A. BOLAND, S.J.

The library contains 150,000 volumes.
Number of teachers: 224.
Number of students: 3,772.
Publications: *Santa Clara, Redwood, The Owl, Santa Claran, Santa Clara Views.*

DEANS:

College of Arts and Sciences: T. D. TERRY, S.J.
College of Engineering: R. J. PARDEN.
College of Law: L. A. HUARD.
College of Business Administration: C. J. DIRKSEN.
School of Sacred Theology: H. T. CORCORAN, S.J.

UNIVERSITY OF SOUTHERN CALIFORNIA

LOS ANGELES 7, CALIFORNIA
Telephone: 746-2311.

Established 1879; Incorporated and opened 1880.

President: NORMAN H. TOPPING, M.D.
Chancellor Emeritus: R. B. VON KLEINSMID, SC.D., J.D., D.EN.FIL.Y.LET., LL.D., PH.D., L.H.D., F.R.G.S., F.R.S.L.
Vice-President, Academic Affairs: T. E. STREVEY, PH.D., LL.D.
Vice-President, Financial Affairs: C. M. FRANKLIN, J.S.D.
Vice-President, Student and Alumni Affairs: M. WHITE, A.B.
Vice-President, University Planning: T. P. NICKELL, Jr., D.B.A.
Dean of Students: P. A. BLOLAND, PH.D.
Registrar: W. E. HALL, A.B.
Director of Admissions and Registration: C. F. WEDBERG, Jr., M.M.
Business Manager: E. D. PHILLIPS, A.B.
Librarian: L. F. STIEG, PH.D.

The library contains 1,400,000 volumes.
Number of teachers: 1,700, excluding University College, Civic Center and Summer Session.
Number of students: 14,848 men, 4,745 women, total 19,593.
Publication: *General Catalogue* (annual).

DEANS:

College of Letters, Arts and Sciences: N. D. WARREN, PH.D.
Graduate School: M. C. KLOETZEL, PH.D.
School of Architecture: S. T. HURST, M.ARCH., A.I.A.
School of Business Administration: R. R. DOCKSON, PH.D.
School of Dentistry: J. I. INGLE, D.D.S., M.S.D.
School of Education: I. R. MELBO, ED.D.
School of Engineering: A. C. INGERSOLL, PH.D.
School of Law: O. B. EVANS, J.S.D.
School of Library Science: MARTHA T. BOAZ, PH.D.
School of Medicine: R. EGEBERG, M.D.
School of Music: R. KENDALL, PH.D.
School of Pharmacy: A. G. HALL, M.S.
School of Public Administration: H. REINING, Jr., PH.D.
School of Religion: G. MCGREGOR, D.PHIL., D.D., D. ÈS L., LL.B.
School of Social Work: M. B. STINSON, PH.D.
Summer Session: P. E. HADLEY, PH.D.
University College: C. HANCEY, M.ED., PH.D.

DIRECTORS:

School of International Relations: R. N. BERKES, PH.D.
School of Journalism: T. E. KRUGLAK, PH.D.
School of Philosophy: W. H. WERKMEISTER, PH.D.
Allan Hancock Foundation: L. A. CHAMBERS, PH.D.

UNIVERSITY OF THE PACIFIC

STOCKTON 4, CALIFORNIA

Founded as California Wesleyan College 1851; name changed to University of the Pacific 1852; consolidated with Napa College 1896; name changed to College of the Pacific 1911; name changed to University of the Pacific 1961.

President: ROBERT E. BURNS.
Academic Vice-President: W. B. GRAVES.
Financial Vice-President: R. R. WINTERBERG.
Vice-President for Development: T. S. THOMPSON.
Registrar: ELLEN L. DEERING.
Librarian: J. A. RIDDLES.

Number of teachers: 386.
Number of students: 2,715.

DEANS:

Admissions: E. J. TAYLOR.
Education: J. M. JANTZEN.
Engineering: H. MCGEE.
Graduate Studies: W. N. POTTER.
Liberal Arts: H. S. JACOBY.
Music: J. R. BODLEY.
Pharmacy: I. W. ROWLAND.
Students: E. S. BETZ.
Summer Session: J. M. JANTZEN.
Women: CATHERINE P. DAVIS.
Raymond College: W. MARTIN (Provost).
Covell College: A. J. CULLEN (Director).
Dentistry: J. J. TOCCHINI.
St. Michael's College: W. D. GRAY.

UPLAND COLLEGE

792 WEST ARROW HIGHWAY
UPLAND, CALIFORNIA 91786
Telephone: 714—985-1801.

Founded 1920.

President: DANIEL R. CHAMBERLAIN (acting).
Director of Admissions: M. H. BOWERS.
Librarian: Miss MIRIAM A. BOWERS.

The library contains 22,000 volumes.
Number of teachers: 35.
Number of students: 133.

WESTMONT COLLEGE

955 LA PAZ ROAD,
SANTA BARBARA,
CALIFORNIA 93103
Telephone: 969-5051.

Founded 1940.

President: Dr. ROGER J. VOSKUYL.
Registrar: W. GOWLER.
Librarian: Dr. V. RITTER.

The library contains 52,459 volumes.
Number of teachers: 36.
Number of students: 585.

COLORADO

ADAMS STATE COLLEGE OF COLORADO

ALAMOSA, COLORADO
Telephone: 589-6631.

Founded 1921.

President: FRED J. PLACHY.
Registrar: R. H. SHOWALTER.
Librarian: PHYLLIS L. DUNHAM.

The library contains 85,000 volumes.
Number of teachers: 115.
Number of students: 1,750.

COLORADO COLLEGE

COLORADO SPRINGS, COLORADO

Chartered 1874.

President: Dr. LOUIS T. BENEZET.
Business Manager: R. W. BROUGHTON.
Registrar: Mrs. M. E. SCOGGIN.

Number of teachers: 107.
Number of students: 1,327.

DEANS:

College: Dr. L. E. WORNER.
Admissions: R. E. WOOD.
Summer School: Dr. F. SONDERMANN (Director).
Women: CHRISTINE S. MOON.
Men: J. REID.

COLORADO SCHOOL OF MINES

GOLDEN, COLORADO
Telephone: 279-3381
(Denver exchange).

Founded 1874.

A college of mineral engineering.

President: ORLO E. CHILDS.
Dean of Faculty: T. H. KUHN.
Business Manager: G. STEINHAUER.
Assistant to the President for Public Relations: A. G. PEGIS.
Dean of Graduate School: A. R. JORDAN.
Dean of Students and Registrar: F. E. SMILEY, Jr.
Director of Admissions: H. D. BURDICK.
Librarian: VIRGINIA L. WILCOX.

Number of teachers: 107.
Number of students: 1,046.
Publication: *Mineral Industries Bulletin* (quarterly).

COLORADO STATE COLLEGE

GREELEY, COLORADO

Founded 1890 as the State Normal School; name changed by State legislature to Colorado State Teachers' College 1911; in 1935 the name was changed to Colorado State College of

Education; present name adopted in 1957 by the State legislature.

President: DARRELL HOLMES, PH.D.
Dean of the College: D. G. DECKER, PH.D.
Registrar: G. F. SANDERSON, A.M.
Controller: G. C. TURNER, M.B.A.
Librarian: D. A. SEAGER, A.M.

Number of teachers: 258.

Number of students: 2,650 men, 2,892 women, total 5,542 (Fall quarter 1964).

Publication: *Bulletin.*

ADMINISTRATION:

Division of Aerospace Studies: Lt.-Col. C. E. EVANS, U.S.A.F.
Division of the Arts: K. F. PERRY, PH.D. (Chairman).
Division of Education: E. J. KELLY, PH.D. (Chairman).
Division of Health: L. C. BUTLER, ED.D. (Chairman).
Division of Humanities: F. W. FREASE, PH.D. (Chairman).
Division of Music: J. E. MILLER, ED.D. (Chairman).
Division of Sciences: H. F. GLIDDEN, PH.D. (Chairman).
Division of Social Studies: A. R. REYNOLDS, PH.D. (Chairman).
Graduate Division: S. G. GATES, ED.D. (Dean).
College Laboratory School: L. R. KERNS, ED.D. (Director).
Dean of Students: N. T. OPPELT, ED.D.
Dean of Men: G. TANNER, M.A.
Dean of Women: JUNE E. STUCKEY, A.M.

COLORADO STATE UNIVERSITY

FORT COLLINS, COLORADO

Founded 1870 as The Agricultural College of Colorado; became a State institution in 1876, a land-grant college in 1879.

President: WILLIAM E. MORGAN, M.S., LL.D., LL.D.
Vice-President: A. R. CHAMBERLAIN, PH.D.
Secretary: C. L. TERRELL, B.S.
Treasurer: J. M. WHALLEY, M.S.
Academic Vice-President: J. S. AHMANN, PH.D.
Registrar and Director of Admissions: V. R. EKSTROM.
Dean of Students: B. B. CROOKSTON, A.M., ED.D.
Director of Libraries: LE M. W. ANDERSON, M.S.

The library contains 200,000 volumes.
Number of teachers: 420.
Number of students: 6,578 men, 3,607 women, total 10,185.

DEANS:

College of Engineering: L. V. BALDWIN, PH.D.
College of Forestry and Range Management: C. H. WASSER, M.S., M.F.
College of Science and Arts: A. O. SIMONDS, M.S., PH.D.
College of Agriculture: S. S. WHEELER, M.S., PH.D.
College of Veterinary Medicine: R. JENSEN, D.V.M., M.S., PH.D.
College of Home Economics: ELIZABETH D. GIFFORD, M.S., PH.D.
Dean of Graduate School: W. H. BRAGONIER, M.S., PH.D.

ASSOCIATED INSTITUTIONS, ETC.

Colorado Agricultural Experimental Station, established 1888.
Director: S. S. WHEELER, M.S., PH.D.
Extension Service.
Director: L. W. WATTS, B.S.
Colorado State Forest Service.
State Forester: T. B. BORDEN, M.S.
Colorado State University Research Foundation.
Director: G. G. OLSON, PH.D.
Rocky Mountain Forest and Range Experiment Station.
Director: R. PRICE, M.S.
Colorado Co-operative Wildlife Research Unit.
Leader: F. A. GLOVER.
Colorado Co-operative Fishery Research Unit.
Leader: H. A. TANNER, M.S., PH.D.

COLORADO WOMAN'S COLLEGE

1800 PONTIAC STREET,
DENVER, COLORADO 80220
Telephone: 394-6012.
Founded 1888.

President: Dr. EUGENE E. DAWSON.
Director of Admissions: P. C. NICHOLSON.
Librarian: P. N. FRAME.

The library contains 43,000 volumes.
Number of teachers: 75.
Number of students: 950.

FORT LEWIS COLLEGE

COLLEGE HEIGHTS,
DURANGO, COLORADO 81303
Telephone: 247-3390.
Founded 1911.

President: JOHN REED.
Registrar: C. H. REID, Jr.
Librarian: R. K. BRUCE.

The library contains 30,000 volumes.
Number of teachers: 60.
Number of students: 1,250.

REGIS COLLEGE
(A Colorado Corporation)

WEST 50TH AND LOWELL BLVD.,
DENVER, COLORADO 80221
Telephone: Area Code 303, 433-6565.
Founded 1877.

President: Very Rev. RICHARD F. RYAN, S.J.
Registrar: L. F. MORRIS.
Librarian: E. TANNENBAUM.

The library contains 60,000 volumes.
Number of teachers: 75.
Number of students: 1,000.

SOUTHERN COLORADO STATE COLLEGE

900 WESTORMAN AVENUE,
PUEBLO, COLORADO 81005
Telephone: Area Code 303, 545-5220.
Founded as Junior College 1933.

President: J. VICTOR HOPPER, ED.D.
Registrar: A. F. KURTIN.
Librarian: E. H. BROADHEAD.

The library contains 27,500 volumes.
Number of teachers (1964-65): 139 full-time.
Number of students (1964-65): 4,245.

UNITED STATES AIR FORCE ACADEMY

COLORADO SPRINGS, COLORADO
Founded 1955.

Superintendent: Maj.-Gen. ROBERT H. WARREN, B.S.
Dean of the Faculty: Brig.-Gen. R. F. MCDERMOTT, M.B.A., LL.D.
Commandant of Cadets: Brig.-Gen. R. W. STRONG, B.S.
Registrar: Col. V. J. O'CONNOR, M.A., ED.D.
Director of Athletics: Col. E. A. RAFALKO, M.A.
Director of the Library: Col. G. V. FAGAN, M.A., M.A.L.S., PH.D.

The library contains 165,000 volumes.
Number of teachers: 355.
Number of cadets (1964): 2,700.

UNITED STATES COAST GUARD ACADEMY

NEW LONDON,
CONNECTICUT 06320
Telephone: Area Code 203, 4438463.
Founded 1876.

President: Rear Admiral CHESTER R. BENDER (Superintendent).
Director of Admissions: Capt. M. J. WILLIAMS, U.S.P.H.S.
Librarian: P. H. JOHNSON.

The library contains 66,000 volumes.
Number of teachers: 75.
Number of students: 700.

UNIVERSITY OF COLORADO

BOULDER,
COLORADO 80304
Incorporated 1861, Opened 1877.

President: JOSEPH R. SMILEY, A.B., A.M., PH.D.
Vice-President for Student Affairs: G. E. BARNETT, M.ED., D.ED.
Vice-President Dean of Faculties: T. E. MANNING, PH.D.
Vice-President for Medical Affairs: J. J. CONGER, M.S., PH.D.
Vice-President for Business Affairs: E. H. WILSON, M.A., PH.D.
Secretary of the University and Board of Regents: D. SAUNDERS, A.B.
Librarian: R. ELLSWORTH, M.A., PH.D.

The library contains over 943,559 volumes, 1,570,000 titles.

Number of teachers: 1,625, excluding research personnel.

Number of students:

	Men	Women	Total
Boulder	8,133	4,967	13,100
Denver	375	425	800
Extension	5,150	2,050	7,200

Publications: *College Catalog* (annually), *Colorado Alumnus* (monthly for 9 months), *Colorado Business Review* (monthly), *Colorado Quarterly, English Language Notes, Journal of Central European Affairs, University of Colorado Law Review, Colorado Engineer, Literary Magazine* (all quarterly) and University of Colorado Studies series covering various subjects.

DEANS:

School of Architecture: DEVON M. CARLSON, M.S.
School of Business: W. H. BAUGHN, M.A.
School of Education: S. A. ROMINE, M.A., PH.D.
School of Journalism: C. T. DUNCAN, M.A.
School of Law: J. W. REED, LL.M., Doctor of the Science of Law.
School of Medicine: J. H. CONGER, M.S., PH.D.
School of Nursing: HENRIETTA A. LOUGHRAN, M.S.
Graduate School: (Vacant).
College of Arts and Sciences: W. E. BRIGGS, M.A., PH.D.
College of Engineering: M. S. PETERS, M.S., PH.D.
College of Music: W. L. IMIG, M.MUS.ED.
School of Pharmacy: H. C. HEIM, PH.C., M.S., PH.D.
Extension Division: D. M. EASTON, B.S.
Summer Session: J. R. LITTLE, M.S., ED.D.
Student Services: A. H. KIENDL, M.A.
Men: E. J. QUIGLEY, B.A., M.P.S.
Women: PAULINE A. PARISH, M.A.

DIRECTORS:

Museum: H. G. RODECK, M.A., PH.D.
Budget: J. W. BARTRAM, B.A.
Public Information: S. TYLER, B.S.
Student Health Service: L. W. HOLDEN, M.D.
Admissions and Records: D. B. MUIRHEAD, M.A.
Institutional Research: (Vacant).
Counselling and Testing: Dr. T. VOLSKY, M.S., PH.D.
Financial Aid: D. FARROW, M.A. (acting).
Athletics: H. CARLSON, M.S.
Student Residences: R. C. YODER, B.A.
Special Services: G. LESSER, B.S.
University Memorial Center: E. J. QUIGLEY, B.A., M.P.S.
Placement Services: HELEN CARPENTER, A.B.
Development: D. V. ROBERTS, B.A. (acting).
Alumni Relations: C. D. GRAVES, B.A., M.P.S.

PROFESSORS:

ABBOTT, ELIZABETH, M.S., ED.D., Physical Education for Women
ALEXANDER, G., M.A., PH.D., Biology
ALLEN, J. G., M.A., PH.D., History
ALLEN, J. M., Jr., M.A., PH.D., English for Engineering
ALLEN, K. D. A., M.A., M.D., Clinical Radiology
ALTMANN, MARGARET, PH.D., Psychology and Biology
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BERGER, JEAN, PH.D., Music
BERNTHAL, W. F., M.B.A., D.B.A., Business
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BLACK, W. C., M.D., Pathology
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BRITTON, J. R., PH.D., Applied Mathematics
BROWDER, R. P., M.A., PH.D., History
BRUNS, P. D., M.D., Obstetrics and Gynæcology
BULL, S., Music
BUSEMAN, A., DOCTOR OF ENGINEERING, Aerospace Engineering
BUSEY, J. L., M.A., PH.D., Political Science
BUSKIRK, R. H., M.B.A., D.B.A., Marketing
CANN, J. R., M.S., M.A., PH.D., Biophysics
CARLSON, DEVON MCE., M.S.(Arch.), Architecture and Architectural Engineering
CARLSON, H. G., M.A., Physical Education for Men
CARRIGAN, J. R., PH.B., J.D., LL.M., Law
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COFFIN, R. B., M.MUS.ED., ED.D., Music
CONGER, J. H., M.S., PH.D., Clinical Psychology
COOK, S. W., M.S., PH.D., Psychology
COOLIDGE, L. D., PH.D., Business Administration
CORRELL, M., PH.D., Physics
CRAWFORD, R. H., M.S., Engineering Design and Economic Evaluation
CRISTOL, S., M.A., PH.D., Chemistry
CROUCH, J. H., M.A., English
CURTIS, B., M.A., PH.D., Geology
DANIELS, L. E., M.D., PH.D., M.S., Clinical Neurology
DANIELSON, R. W., M.D., D.OPH., Clinical Ophthalmology
DAVES, M. L., M.D., Radiology
DAY, R., M.A., PH.D., Fine Arts
DEHERR, J., DOCTOR OF PHYSICS AND MATHEMATICS, Chemistry
DEKIEFFER, R. E., M.A., PH.D., Education
DE LAPP, W. W., B.S.(C.E.), M.S.(HYD.ENG.), PH.D.(HYD.ENG.), Civil Engineering
DEONIS, J., M.A., PH.D., Spanish, Italian and Portuguese
DEPUY, C., M.A., PH.D., Chemistry
DINKEN, H., M.D., Physical Medicine and Rehabilitation
DOBBINS, G. S., Jr., M.S., M.E., Engineering Graphics and Machine Design
DOI, J. I., M.A., PH.D., Education
DROMMOND, F. G., M.S., PH.D., Pharmacy
DUGAN, J. E., M.A., PH.D., Chemistry
DUNCAN, C., M.A., Journalism
EASTON, D. M., M.A., Speech
EFFINGER, C. S., MUS.D., Music
ELGERD, O. I., D.SC., Electrical Engineering
ELLSWORTH, R. E., B.S.(L.S.), PH.D., Library Science
ERDELYI, E. A., PH.D., Electrical Engineering
ESCRIBANO, F. S., A.M., PH.D., Spanish, Italian and Portuguese
ESSENBURG, F., LL.B., M.S., M.S.E., PH.D., Mechanical Engineering
FESHBACH, S., M.A., PH.D., Psychology
FEST, T. B., M.PH., PH.D., Speech
FISHMAN, L., PH.D., Economics
FLOCK, W. L., M.S., PH.D., Electrical Engineering
FOSTER, J. M., Jr., M.D., Clinical Surgery
FOX, R. E., M.A., PH.D., Education
FRANKLIN, W. B., LL.B., Business Law
FRASCONA, J., LL.B., Business Law
FULKS, W. B., M.S., PH.D., Applied Mathematics
GAMOW, G., PH.D., Physics
GARBY, L. C., PH.D., Aerospace Engineering
GARNSEY, M. E., M.A., PH.D., Economics
GARSTANG, R. H., M.A., PH.D., Physics
GASKILL, H. S., M.D., Psychiatry
GERSTEN, J.,W., M.S., M.D., Physical Medicine and Rehabilitation
GERSTLE, K. H., M.S., PH.D., Civil Engineering
GILL, S. J., PH.D., Chemistry
GITHENS, J. H., M.D., Pædiatrics
GLESS, G. E., Jr., M.S., PH.D., Electrical Engineering
GODDARD, E., M.B.A., D.B.A., Business Administration
GOLDSMITH, U., M.S., PH.D., German
GOOD, F., M.D., Surgery
GREGG, R. E., PH.D., Biology
GRIEDER, C., M.A., PH.D., Education
HAMMOND, K. R., M.A., PH.D., Psychology
HANNA, W. J., M.S., E.E., Electrical Engineering
HANSEN, T. L., M.A., M.SC., Architecture and Architectural Engineering
HARPER, F. H., M.A., M.D., M.S., Clinical Thoracic Surgery
HARVEY, O. J., M.A., PH.D., Psychology
HAWKINS, D., M.A., PH.D., Philosophy
HAWKINS, R. B., M.F.A., Fine Arts
HEIM, H. C., M.S., PH.D., Pharmacy
HELWIG, E. R., PH.D., Biology
HEWES, G. W., PH.D., Anthropology
HIBBARD, MARJORY G., M.A., PH.D., Nursing
HIGMAN, H. H., M.A., Sociology
HILL, R. MCC., M.S., PH.D., Biochemistry
HILTY, E. J., M.MUS., Music
HOFFMAN, F. L., M.A., PH.D., History
HOFFMEISTER, H. A., PH.D., Geography
HOLMES, J. H., M.D., D.MED.SC., Medicine
HOUGH, J. N., A.M., PH.D., Classics
HOUSTON, C. G., M.A., PH.D., Education
HULLEY, K. K., M.A., PH.D., Classics
HUSBANDS, K. L., A.M., M.ED., ED.D., Education

Hutchinson, C. A., Sr., m.a., Applied Mathematics
Imig, W., m.mus.ed., Music
Isbell, N. P., m.d., Obstetrics and Gynæcology
Jedamus, P. E., m.b.a., ph.d., Business Statistics
Jeffery, Harriet, m.a., ph.d., Philosophy
Jessor, R., m.a., ph.d., Psychology
Johnk, C. T. A., m.s., ph.d., Electrical Engineering
Johnson, R. C., m.s., ph.d., Chemical Engineering
Jones, B. W., m.a., ph.d., Mathematics
Jost, F., ph.d., French and Comparative Literature
Keller, R. N., a.m., ph.d., Chemistry
Kelley, T. K., m.a., ph.d., Geography
Kelling, H., ph.d., English
Kelly, Katherine J., m.p.s., Nursing
Kempe, C. H., m.d., Pædiatrics
Kester, H., ph.d., Finance
King, D. W., m.d., Pathology
King, E. C., ll.d., Law
King, E., ph.d., Chemistry
King, E. C., ll.d., Law
Klemme, H. C., ll.b., ll.m., Law
Koerner, H. E., m.a., ph.d., Geology
Kraushaar, J. J., m.s., ph.d., Physics
Kreith, F., m.s., Mechanical Engineering
Lacher, J. R., ph.d., Chemistry
Laff, H. I., m.d., Clinical Otolaryngology
Lane, W., a.m., ph.d., English
Lauer, B. E., m.s., ph.d., Chemical Engineering
Lerman, L., ph.d., Biophysics
Lewis, H., m.d., Dermatology
Lewis, L. L., m.a., ph.d., English
Liggett, R. S., d.d.s., m.d., Clinical Medicine
Lind, D. A., m.s., ph.d., Physics
Lipstreu, O., m.s., ed.d., Management
Lister, R. H., m.a., ph.d., Anthropology
Little, J. R., m.s., ed.d., Education
Loeffler, M. J., m.a., ph.d., Geography
London, J., m.s., ph.d., Astro-Geophysics
Long, J. C., m.d., d.oph., Clinical Ophthalmology
Longley, W. W., m.s., ph.d., Geology
Loose, G., ph.d., German
Loughran, Henrietta A., m.s., Nursing
Love, W. F., m.a., ph.d., Physics
Lyter, C., m.d., Surgery
Maaske, C. A., ph.d., Physiology
McGuire, C. W., m.a., ph.d., Economics
Machle, E., m.a., ph.d., Philosophy
McKean, D. D., m.a., ph.d., Political Science
McKean, R., m.ed., ed.d., Education
Mackenzie, C. G., sc.d., Biochemistry
McMillen, H. E., m.mus.ed., Music
McPhee, W., ph.d., Sociology
Margolin, S. G., n.s., m.a., m.d., Psychiatry
Marshall, Leona, ph.d., Physics
Margolin, S. G., m.a., m.d., Psychiatry
Martin, C. W., m.a., ph.d., Political Science
Maslin, T. P., Jr., m.a., ph.d., Biology
Meek, J. S., m.s., ph.d., Chemistry
Megrew, A. F., m.a., Fine Arts
Meiklejohn, G., c.m., m.d., Medicine
Menard, A. R., ll.b., Law
Menoher, W. L., m.s., Civil Engineering
Mercer, B., m.a., d.s.s., Sociology
Mersky, R., ll.b., m.a.l.s., Law
Miernyk, W. H., m.a., ph.d., Economics
Miller, S. C., Jr., ph.d., Physics
Mills, H. H., m.a., Education
Mizushima, M., m.a., d.sc., Physics
Morris, B., ph.d., Philosophy
Mueller, J. F., m.d., Medicine
Mulligan, R. M., m.d., Pathology
Nakosteen, M., m.a., ph.d., Education
Nelson, J. O., m.a., ph.d., Philosophy
Niehaus, F. R., m.b.a., ph.d., Finance
Novak, L. C., m.s., Civil Engineering
Ogilvy, J. D. A., m.a., ph.d., English
Oliver, R. M., m.s., Engineering Design and Economic Evaluation
Oppenheimer, F., ph.d., Physics
Owen, W., d.a.e., b.litt., ph.d., Economics
Palmer, H. B., e.e., m.s., Electrical Engineering
Park, J. D., ph.d., Chemistry
Parker, D. H., ll.b., Law
Pearson, S. I., b.e.e., Electrical Engineering
Pennak, R. W., m.s., ph.d., Biology
Peters, M., m.s., ph.d., Chemical Engineering
Peterson, C., m.comp.l., Law
Pettit, H. J., Jr., m.a., ph.d., English
Philpott, O. S., m.d., Dermatology and Syphilology
Potts, F., b.a., Physical Education for Men
Prescott, D., ph.d., Anatomy
Prugh, D. G., m.d., Pædiatrics
Puck, T. T., ph.d., Biophysics
Putney, R., m.a., ph.d., English
Raimy, V. C., ph.d., Psychology
Rainey, H. P., a.m., ph.d., Education
Rathburn, R. E., m.s., Architectural Engineering
Rautenstraus, R. C., m.s.(c.e.), Civil Engineering
Reed, K. A., m.s., d.b.a., Management
Reeve, E. B., b.a., b.m., b.ch., Laboratory Medicine
Rense, W. A., m.s., ph.d., Physics
Richter, H. J., m.s., ph.d., Chemistry
Riethmayer, L. C., m.a., ph.d., Political Science
Riley, C. M., m.d., Pædiatrics
Robb, Mary M., m.a., ph.d., Speech
Roberts, W. O., m.a., ph.d., Astro-Geophysics
Rodeck, H. G. m.a. ph.d., Natural History
Rogers, F. B., m.s., m.d., Surgery
Romine, S. A., m.a., ph.d., Education
Rose, E. L., m.a., ph.d., Sociology
Runner, M., ph.d., Biology
Scherer, G. A. C., m.a., ph.d., Germanic Language and Literature
Schmidt, M. F., c.t.e., m.s., Management
Schoitz, A., m.s., Music
Scott, A. W., ll.b., Law
Scott, W., m.s., ph.d., Psychology
Sears, D. W., ll.b., Law
Silver, H. K., m.d., Pædiatrics
Simmons, O. G., m.a., ph.d., Sociology
Smith, D., m.a., ph.d., History
Spitz, Rene A., m.d., Psychiatry
Spurlock, B. H., Jr., m.s., m.e., Mechanical Engineering
Stahl, K., m.a., ph.d., Engineering, Applied Mathematics
Stanton, W. J., m.b.a., ph.d., Marketing
Steele, B., m.d., Psychiatry
Stewart, O. C., ph.d., Anthropology
Sutherland, D., ph.d., Classics
Swan, H., II, m.d., Surgery
Swigert, J. L., m.d., d.oph., Clinical Ophthalmology
Swisher, E., m.a., ph.d., History
Talmage, D. W., m.d., Medicine and Microbiology
Tantilla, W., m.a., ph.d., Physics
Taylor, E. S., m.d., Obstetrics and Gynæcology
Tempel, C. W., m.d., Clinical Medicine
Thoman, W. H., c.e., m.s., Civil Engineering
Thomas, A., m.d., Orthopædic Surgery
Thompson, P. V., m.a., ph.d., English in Engineering
Thompson, R., m.d., Microbiology
Thompson, W. O., ph.d., Geology
Thron, W. J., m.a., ph.d., Mathematics
Timmerhaus, K., m.s., ph.d., Chemical Engineering
Tolbert, B., ph.d., Chemistry
Toth, A., Music
Tulin, L., m.s., Civil Engineering
Twombly, J. C., m.s., ph.d., Electrical Engineering
Uberoi, M., m.s., ph.d., Aerospace Engineering Sciences
Uphoff, W., ph.d., Labour Education
Van Ek, J., m.a., ph.d., Political Science
Vickery, W., m.a., ph.d., Slavic and Eastern Languages
Virtue, R. W., m.a., ph.d., m.d., Anæsthesiology
Waddell, W. R., m.d., Surgery
Wagner, C. A., m.e., Mechanical Engineering
Wahlstrom, E. E., m.a., ph.d., Geology
Wailes, J. R., a.m., ph.d., Education
Waldon, C. H., m.s., ph.d., Pharmacy
Waldrop, A. G., m.a., Journalism
Walton, H. F., ph.d., Chemistry
Waltz, H., m.mus., Music
Walz, F. C., m.s., Physics
Wangler, H., ph.d., German
Ward, D., b.s., Physical Education for Men
Warner, L. A., ph.d., Geology
Wasley, R. S., m.s., ph.d., Accounting
Weber, W., m.s., ph.d., Biology
Welch, W. K., m.d., m.s., Neurosurgery
Wertheimer, M., m.a., ph.d., Psychology
Westermeier, C., m.s., ph.d., History
Wheat, J. B., m.a., ph.d., Natural History
Whitehead, R. W., m.a., m.d., Pharmacology
Wicks, P., b.s.(e.e.), Electrical Engineering
Willis, D. S., ph.d., Slavic and Eastern Languages
Wilson, E. H., m.a., ph.d., Education
Wing, M., m.a., ph.d., Applied Mathematics
Witt, N. F., ph.c., m.s., ph.d., Chemistry
Wolfe, L. R., m.f.a., Fine Arts
Wolle, Muriel V. S., m.a., Fine Arts
Wood, K. D., m.s., ph.d., Aerospace Engineering Sciences
Zinke, G. W., m.a., ph.d., Economics
Zubrow, R. A., m.a., ph.d., Economics

UNIVERSITY OF DENVER

DENVER, COLORADO 80210

Telephone: 753-1964.

Founded 1864.

Chancellor: Chester M. Alter.

Vice-Chancellor Treasurer: H. D. Willson.

Vice-Chancellor, Public Affairs: R. S. McCollum.

Vice-Chancellor, Academic Affairs: W. C. Miller.

President of Board: J. Evans, Jr.

Librarian: S. Baillie.

The library contains 501,041 volumes.

Number of teachers: 571 of whom 338 are full-time.

Number of students: 7,051.

Deans:

Arts and Sciences: E. A. Lindell.

Law: R. J. Yegge (acting).

Engineering: D. A. Day.

Business Administration: T. H. Cutler

Graduate College: W. C. Miller.

Students: Barbara Mertz.

DIRECTORS:

Education: N. EVERS.
Art: V. H. KIRKLAND.
Music: R. FEE.
Communication Arts: R. R. PORTER.
Denver Research Institute: SHIRLEY A. JOHNSON, Jr.

PROFESSORS:

College of Arts and Sciences:
AKIN, J. E., Speech
BOKLUND, G. K., English
BRECK, A. DEP., History
BRUSH, F. W., Philosophy
CAMPA, A. L., Modern Languages
CAREY, R. G., History
CASE, K., Speech
CHAPMAN, G. W., English
CHASSON R. L., Physics
CLARK, R. M., Speech
COHN, B.,E., Physics
CRAIN, C. N., Geography
CROFTS, A., History
DRISCOLL, W. T., Zoology
DUNHAM, H. H., History
ENGLE, E. A., Chemistry
EVERS, N. H., Education
FEE, R. D., Music
FLIEGLER, L. A., Education
GREENBERG, H., Mathematics
GRIFFITHS, T. M., Geography
HILTON, M. EUNICE, Education
HUNSINGER, P. P., Speech
IONA, M., Physics
KAUFFMAN, H. M., Education
KELLEY, C. M., Chemistry
KIRKLAND, V., Art
KORBEL, J., International Relations
LITTLE, K. B., Psychology
MENDELSOHN, H., Radio-TV-Film
MICAUD, C. A., International Relations
MILLER, W. C., Psychology
MOORE, H. R., Education
MURRAY, E., Speech
MYERS, F. M., Philosophy
OLSON, G. R., Physical Education
PERDEW, P. W., Education
PORTER, R. R., Theatre
PRIEST, H. M., English
REDFIELD, JANET E., Psychology
SHAKLEE, A. B., Psychology
SLAICHERT, W. M., Education
SPILKA, B., Psychology
STICKLER, W. C., Chemistry
WILLIAMS, J. E., English
WILLIAMSON, W., Music
YOURGRAU, W., Philosophy
ZEINER, F. N., Zoology

College of Law
DITTMAN, V. R., Jr., Law
HURST, H. E., Law
MARSH, T. G., Law
SYKES, G. M'C., Law, Sociology
WORKS, C. E., Law

College of Engineering:
BLACKLEDGE, J. P., Metallurgy
DAY, D. A., Civil Engineering
HOWERTON, M. T., Chemical Engineering
JOHNSON, SHIRLEY A., Jr., Mechanical Engineering
KNUDSON, C. M., Chemical Engineering
MUELLER, W. M., Metallurgy
NEWKIRK, J. B., Metallurgy
PAIGNE, A. E., Electrical Engineering
PARKS, W. H., Mechanical Engineering
PRIEN, C. H., Chemical Engineering
SZILARD, R. S., Civil Engineering

College of Business Administration:
CUTLER, T. H., Industrial Relations and Psychology
ENTENBERG, R. D., Marketing
EVANS, L. S., Management
FOSTER, J. F., Economics
HALAAS, E. T., Finance
KESSELMAN, J. J., Accounting
LOOMIS, V. L., Marketing
MADDOX, J. R., Economics
MAY, A. B., Economics
MERRY, P. R., Statistics and Marketing
MOSCONI, D. L., Finance
OLSEN, A. B., Marketing and Economics
PLANK, E. H., Public Administration
SELIGSON, H., Management
SHROYER, W. E., Accounting
VARDAMAN, G. T., Speech
WILSON, R. D., Hotel and Restaurant Management

Graduate College:
BAILLIE, S., Librarianship
BARNETT, ELEANOR M., Social Work
DAVIS, EDITH M., Social Work
HATCH, LUCILE, Librarianship
KERN, J. S., Social Work
KLINGLER, D., Social Work
McCANN, C. W., Social Work
MILLER, W. C., Psychology
SPELLMAN, DOROTHEA, Social Work
SUNLEY, EMIL M., Social Work

WESTERN STATE COLLEGE OF COLORADO

GUNNISON, COLORADO 81230

Telephone: 943-2114.

Founded 1901.

President: Dr. HARLAN BRYANT.
Registrar: L. H. HALL.
Librarian: R. D. HERSHCOPF.

The library contains 86,000 volumes.
Number of teachers: 90.
Number of students: 2,100.

CONNECTICUT

ALBERTUS MAGNUS COLLEGE

NEW HAVEN, CONNECTICUT 06511

Telephone: 787-1196.

Founded 1925.

President: Sister MARIE LOUISE.
Director of Admissions: Miss BARBARA TIERNEY.
Librarian: Sister MARY CHARLES.

The library contains 50,000 volumes.
Number of teachers: 55.
Number of students: 570.

CENTRAL CONNECTICUT STATE COLLEGE

NEW BRITAIN, CONNECTICUT

Telephone: Area Code 203, 225-6351.

Founded 1847.

President: Dr. HERBERT D. WELTE.
Registrar: Dr. J. MANSIGIAN.
Librarian: R. MASSMANN, Director of Library Services.

The library contains 106,196 volumes.
Number of teachers: 235.
Number of students: 5,801 (including Evening and Extension).

CONNECTICUT COLLEGE FOR WOMEN

NEW LONDON, CONNECTICUT

Chartered as Thames College 1911; name changed same year. (Non-Sectarian).

President: Dr. CHARLES E. SHAIN.
Secretary of the College and Assistant to the President: W. E. EASTBURN, A.M.
Treasurer and Controller: R. S. LEWIS, M.B.A.
Registrar: RITA BARNARD, M.B.A.
Director of Admissions: M. R. COBBLEDICK, PH.D.
Director of Graduate Studies: KATHERINE FINNEY, PH.D.
Librarian: HAZEL A. JOHNSON, A.M.

The library contains 210,000 volumes.
Number of teachers: 140.
Number of students: 1,450.

DEANS:

Students and Co-ordinator of Student Advising: GERTRUDE E. NOYES, PH.D.
Freshmen: ALICE JOHNSON, PH.D.
Sophomores: M. GERTRUDE McKEON, PH.D.
Assistant Dean: SALLY C. TRIPPE, A.B.

DANBURY STATE COLLEGE

181 WHITE STREET, DANBURY, CONNECTICUT 06814

Telephone: Area Code 203, 743-4471.

Founded 1903.

President: Dr. RUTH A. HAAS.
Director of Admissions: M. L. WALRATH.
Registrar: R. J. TRIMPERT.
Librarian: R. M. BLAISDELL.

The library contains 50,000 volumes.
Number of teachers: 85.
Number of students (Fall 1965): *c.* 1,200.

FAIRFIELD UNIVERSITY

FAIRFIELD, CONNECTICUT

Telephone: 255-1011.

Founded 1942.

President: Rev. WILLIAM C. McINNES, S.J.
Registrar: Rev. H. MURPHY, S.J.
Librarian: Rev. F. A. SMALL, S.J.

The library contains 67,715 volumes.
Number of teachers: 91.
Number of students: Undergraduate 1314, Graduate 842, total 2,156.

QUINNIPIAC COLLEGE

HAMDEN, CONNECTICUT 06517

Telephone: New Haven 248-2188.

Founded 1929.

President: NILS G. SAHLIN.
Registrar: PHYLLIS L. BAER.
Librarian: LOUISE E. MALTBY.

The library contains 27,000 volumes.
Number of teachers: 130.
Number of students (Fall 1965): 1,400 day, 1,000 evening.

SAINT JOSEPH COLLEGE

1678 ASYLUM AVENUE, WEST HARTFORD, CONNECTICUT 06117

Telephone: 523-4283.

Founded 1932.

President: Sister MARY THEODORE.

Registrar: Sister MARY EVELYN.
Librarian: Sister REGINA MARY.

The library contains 52,000 volumes.
Number of teachers: 74.
Number of students: 783.

SOUTHERN CONNECTICUT STATE COLLEGE

501 CRESCENT STREET, NEW HAVEN, CONNECTICUT 06515

Telephone: Area Code 203, 387-6661.

Founded 1893.

President: HILTON C. BULEY.
Registrar: O. W. McDOWELL.
Librarian: Mrs. EULA H. DAVIES.

The library contains 120,000 volumes.
Number of teachers: 386.
Number of students: 6,020.

TRINITY COLLEGE

HARTFORD 6, CONNECTICUT

Founded 1823.

President: ALBERT C. JACOBS.
Treasurer and Comptroller: J. K. ROBERTSON.
Secretary of the Faculty: L. W. TOWLE.
Librarian: D. B. ENGLEY.

The library contains 440,000 volumes.
Number of teachers: 133, including 31 professors.
Number of students: 1,011.
Publications: *Tripod, Review, Bulletin, Library Gazette, Cesare Barbiere Courier, Journal of British Studies.*

DEANS:

College: R. M. VOGEL.
Students: R. HEATH.

UNIVERSITY OF BRIDGEPORT

219 PARK AVENUE, BRIDGEPORT, CONNECTICUT 06602

Telephone: Area Code 203, 366-3611.

Founded 1927.

President: HENRY W. LITTLEFIELD.
Dean of Admissions: D. W. KERN.
Librarian: L. ICE.

The library contains 117,477 volumes.
Number of teachers: 241 full-time, 143 part-time.
Number of students (1964-65): 7,532 (3,682 full-time, 3,850 part-time).

UNIVERSITY OF CONNECTICUT

STORRS, CONNECTICUT

Telephone: Area Code 203, 429-9321.

Established 1881 as The Storrs Agricultural School; opened to women in 1893 and name changed to Storrs Agricultural College; to Connecticut Agricultural College in 1899, to Connecticut State College 1933, and in 1939 to The University of Connecticut.

President: HOMER D. BABBIDGE, L.H.D., PH.D., LL.D.
Provost: E. V. GANT, M.S. (acting).
Vice-President for Financial Affairs: J. M. EVANS, M.B.A.
Registrar: F. O. FINGLES, B.S.
Librarian: J. P. McDONALD, M.S., L.S.

Number of teachers: 1,283 (full-time).
Number of students: 14,743.
Publications: *Bulletin* (6 times a year), Storrs Agricultural Experiment Station, Extension Service, *Bulletin.*

DEANS:

Graduate School: N. L. WHETTEN, PH.D.
College of Agriculture: W. B. YOUNG, M.S., D.AGR.
College of Liberal Arts and Sciences: W. H. CARTER, PH.D.
School of Insurance: R. O. HARVEY, M.B.A., D.B.A.
School of Pharmacy: H. G. HEWITT, PH.D.
School of Business Administration: R. O. HARVEY, M.B.A., D.B.A.
School of Education: W. H. ROE, PH.D.
School of Engineering: A. B. BRONWELL, D.ENG., LL.D., M.B.A., M.S., B.S.
School of Home Economics: FRANCENA L. NOLAN, PH.D.
School of Law: B. E. HOPKINS, PH.B., LL.M., J.S.D.
School of Nursing: CAROLYN L. WIDMER, R.N., M.A.
School of Physical Education: E. G. VAN BIBBER, ED.D. (Director).
School of Physical Therapy: J. C. ALLEN, M.D. (Medical Director).
School of Social Work: H. B. TRECKER, M.A.

DIRECTORS:

Institute of Cellular Biology: H. HERRMANN, M.D., Chairman of the Exec. Committee.
Institute of Nutrition and Food Science: L. D. MATTERSON, B.S., M.S., PH.D., Chairman of the Exec. Committee.
Marine Research Laboratory: J. S. RANKIN, Jr., PH.D.
Pharmacy Research Institute: H. G. HEWITT, PH.D.
Urban Research Institute: K. BOSWORTH, PH.D.

PROFESSORS:

College of Agriculture:
AHO, W., M.S., Poultry Science
BOBB, A. C., M.S., Pomology
COWAN, W. A., PH.D., Animal Industries
DEARBORN, R. B., PH.D., Agricultural Economics
DEWEY, A. W., M.S., Agricultural Economics
DOWD, L. R., N.S.A., Dairy Manufacturing
EATON, H., PH.D., Animal Nutrition
EMMERT, F. H., PH.D., Plant Nutrition
FELLOWS, I. F., PH.D., Agricultural Economics
GUTTAY, J. R., PH.D., Agronomy
HELMBOLDT, C., Animal Diseases
JANES, B. E., PH.D., Vegetable Crops
JOHNSON, S. M., PH.D., Agricultural Economics
KENNARD, W., PH.D., Horticulture
LUGINBUHL, R. E., M.S., Animal Diseases
MCKAIN, W., Jr., PH.D., Rural Sociology
MANN, A. I., Dairy Husbandry
MATTERSON, L., PH.D., Poultry Science
MELQUIST, G. A. L., PH.D., Floriculture
MORGAN, M. E., PH.D., Dairy Manufacturing
NIELSON, S. W., PH.D., Animal Diseases
PETERS, R. A., PH.D., Agronomy
PLASTRIDGE, W. N., PH.D., Animal Diseases
RUBINS, E. J., PH.D., Agronomy
SINGSEN, E. P., PH.D., Poultry Science
WHEELER, W., M.S.A.E., Agricultural Engineering
WILCOX, D. E., Agricultural Economics

College of Liberal Arts and Sciences
AMUNDSEN, L. H., PH.D., Chemistry
ANDREWS, H. N., PH.D., Botany
ARJONA, H., PH.D., Foreign Languages
BARNETT, J. H., PH.D., Sociology
BOETTIGER, E. G., PH.D., Zoology
BOSWORTH, K. A., PH.D., Political Science
BOUSFIELD, W. A., PH.D., Psychology
CAZEL, F. A., Jr., PH.D., History
CHIANG, A. C., PH.D., Economics
CHOVNICK, A., PH.D., Genetics
CLARK, H., PH.D., Zoology
DEAN, L. F., PH.D., English
DECOURSEY, R. M., PH.D., Zoology
DORWART, R. A., PH.D., History
EVERHART, E., PH.D., Physics
FARBER, M. L., PH.D., Psychology
FENNEY, N., M.P.H., Pharmacy
FIELD, G., L. PH.D., Political Sciences
GERSON, L. L., Political Sciences
GOSSELIN, R., PH.D., Mathematics
HERMANN, H., M.D., Zoology
JANNKE, P. J., PH.D., Chemistry
KATZ, L., PH.D., Chemistry
KIND, C. A., PH.D., Zoology
KOGAN, N., PH.D., Political Sciences
KORT, F., PH.D., Political Sciences
LIBERMAN, A. M., PH.D., Psychology
LOUGEE, R. W., PH.D., History
MCPEEK, J. A. S., PH.D., English
MAIER, H. A., PH.D., Foreign Languages
MARKS, H. J., PH.D., History
MEAD, R. G., Jr., PH.D., Foreign Languages
MONTGOMERY, J., PH.D., Mathematics
NEWCOMER, E. H., PH.D., Botany
OWEN, C. A., Jr., B.LIT., English
PALERMO, Prof., PH.D., Foreign Languages
PAULSEN, W., PH.D., Foreign Languages
PENNER, L., PH.D., Zoology
PHILLIPS, D. C., PH.D., Speech
REYNOLDS, C., PH.D., Physics
RICKERS-OVSIANKI, Prof., PH.D., Psychology
RIFFENBURGH, R., PH.D., Statistics
ROSS, R. A., M.A., Accounting
ROTH, S. J., PH.D., Zoology
ROTTER, J., PH.D., Psychology
SAUL, G. B., PH.D., English
SCHWARTING, A., PH.D., Pharmacology
SKAUEN, D. M., Pharmacy
SLATER, J. A., PH.D., Zoology
SNAVELY, W. P., PH.D., Economics
SPENCER, DOMINA, PH.D., Mathematics
STALLMAN, R., PH.D., English
STERN, M. R., PH.D., English
STOCK, J. T., PH.D., Chemistry
TAYLOR, P. E., PH.D., Economics
VANDUSEN, A., PH.D., History
WALKER, M., PH.D., Physics
WARD, R., PH.D., Chemistry
WARING, C. E., PH.D., Chemistry
WEDBERG, S., PH.D., Bacteriology
WILSON, K. G., PH.D., English
WILSON, W. A., PH.D., Psychology
WITRYOL, S., PH.D., Psychology
WOLK, E. S., PH.D., Mathematics
WOOD, A., PH.D., Sociology
ZEAMAN, D., PH.D., Psychology

School of Business Administration:
EMERZIAN, A. D., Industrial Administration
IVRY, D. A., M.B.A., Insurance
KINNARD, W., PH.D., Finance
MALINOWSKI, Z. S., PH.D., Business
PARRISH, L. L., PH.D., Industrial Administration
SMITH, R. B., M.A., Advertising

School of Education:
ATKINSON, K. W., PH.D., Education
BLICK, D. J., PH.D., Science Education
COOPER, J. L., E.D.M., Education
ERICKSON, C. W. H., E.D.D., Education
GRUHN, W. T., PH.D., Education
KARNES, J. W., E.D.D., Industrial Education
PAGE, E. B., E.D.D., Education
PRITZKAU, P. T., E.D.D., Education
THUT, I. N., PH.D., Education
WEBER, C. A., PH.D., Education

School of Engineering
BARTHOLOMEW, E. L., SC.D., Chemical Engineering
BENNETT, C. O., D.ENG., Chemical Engineering
BRAND, R. S., PH.D., Mechanical Engineering
CAMPBELL, G. S., PH.D., Aerospace Engineering
COOGAN, C. H., Jr., M.S.M.E., Mechanical Engineering
FISHER, D. A., M.S.M.E., Mechanical Engineering
HAAS, V. B., SC.D., Electrical Engineering
JOHNSTON, E. R., D.S., Civil Engineering
KOCHENBURG, R., SC.D., Electrical Engineering
LINDORFF, D., M.S.E.E., Electrical Engineering
POSEY, C. J., M.S., Civil Engineering
SCROTTON, V., M.S., Civil Engineering
SMALL, N., PH.D., Mechanical Engineering
STEPHENS, J. E., M.S.E., Civil Engineering
STEPHENSON, R., PH.D., Nuclear Engineering
STUTZMAN, L. F., PH.D., Chemical Engineering
SUPRYNOWICZ, V. A., PH.D., Electrical Engineering
TIMOSHENKO, G. S., PH.D., Electrical Engineering

School of Home Economics:
CHAMBERS, HELEN G., M.A., Clothing, Textiles and Related Arts
LUCKEY, ELEANORE, PH.D., Child Development and Family Relations
MACKELLAR, I., PH.D., Foods and Nutrition

School of Law:
ARCHIBALD, T. L., LL.B., Law
CADY, F. C., LL.B., Law
LEVY, N., LL.B., Law
SCANLON, C., LL.M., Law
SHEA, C., LL.M., Law
SNYDER, L. B., M.L., Law
STEPHENSON, E. W., M.A., Law

School of Nursing:
DOLAN, J. A., M.S., Nursing

School of Physical Therapy:
TAPPAN, FRANCES M., M.A., Physical Therapy

School of Social Work:
BEYRER, B., M.A., Social Work
DYE, ELLA A., M.S., Social Work and Co-ordination of Field Work
TREMAINE, JANET T., M.S., Social Work

School of Fine Arts:
CROWDER, L. L., B.A., Music
HINKEL, C. E., M.FA., Theatre
IHRKE, W. R., PH.D., Music

UNIVERSITY OF HARTFORD

200 BLOOMFIELD AVENUE, WEST HARTFORD, CONNECTICUT 06117
Telephone: 236-5411.
Founded 1957.

Chancellor: VINCENT B. COFFIN.
Vice-Chancellor for Administration: A. S. WILSON.
Vice-Chancellor for Performing Arts: M. PARANOV.
Vice-Chancellor for Visual Arts: A. TOMPKINS.
Provost: A. M. WOODRUFF, Jr.
Registrar: R. E. SMITH.
Librarian: J. MCGAVERN.

Number of teachers: 160 full-time.
Number of students: 1,629 full-time undergraduates, 4,547 part-time undergraduates, 1,190 part-time graduates.

DEANS:

School of Arts and Sciences: J. DOYLE.
School of Business Administration: G. B. CROSS.
School of Education and Director of Summer Sessions: I. S. STARR.
School of Engineering: A. H. ZERBAN.
Hartford Art School: A. SANTONICOLA.
Harrt College of Music: S. BERKMAN.
Ward Technical Institute: R. F. LESCARBEAU.
Dean of Students: J. W. ADDLEY.

WESLEYAN UNIVERSITY

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Chartered 1831.

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Vice-President and Treasurer: H. B. MATTHEWS, B.A.
Dean of the Faculty: J. W. SPAETH, Jr., PH.D.
Dean of Students: M. BARLOW, Jr., M.A.
Director of Admissions: R. J. NORWINE, B.A.
Registrar: C. H. HAAGEN, PH.D.
Librarian: W. W. PARKER, M.A.
Director of Public Relations: J. W. PATON, M.S.

The library contains 475,000 volumes.
Number of teachers: 165.
Number of students: 975 undergraduate, 100 graduate.
Publication: *Bulletin* (5 issues a year).

WILLIMANTIC STATE COLLEGE

WILLIMANTIC, CONNECTICUT
Telephone: Area Code 203, 423-4581.
Founded 1889.

President: J. EUGENE SMITH.
Registrar: F. E. GEISSLER.
Director of Admissions: H. BECKERT.
Librarian: Miss HELEN C. SILL.

The library contains 40,000 volumes.
Number of teachers: 65 (including laboratory school).
Number of students: 1,305.

YALE UNIVERSITY

NEW HAVEN, CONNECTICUT
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Founded in 1701, named Yale College in 1718. Transition to University began in 1810 with the founding of the Medical Institution. In 1861 the Graduate School granted the first Ph.D. degree conferred in America.

Yale College (Liberal Arts and Sciences) is the Undergraduate School. Freshmen live on the Old Campus; the other three classes live in the undergraduate residential colleges. There is the Graduate School and there are the professional Schools of Divinity, Engineering, Drama, Art and Architecture, Forestry, Law, Medicine, Music and Nursing.

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Provost: C. H. TAYLOR, PH.D.
Secretary: R. A. HOLDEN, PH.D.
Treasurer: C .S. GAGE, M.A.
Librarian: J. R. TANIS, PH.D.

Library: *see* Libraries.
Faculty: Emeritus 130, full-time 1,156, officers of administration 183.
Number of students: 8,333.
Publications: *Yale Review, Yale Journal of Biology and Medicine, Yale Law Journal, Yale Alumni Magazine, American Journal of Science, Library Gazette, Bulletin of Art Gallery Associates, Studies on International Problems, American Scientist, American Sociological Review, Journal of American Oriental Society, Journal of Biological Chemistry, Yale Divinity News, Review of Metaphysics.*

DEANS:

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Graduate School: J. P. MILLER, PH.D.
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School of Art and Architecture: G. A. DANES, PH.D., D.F.A.
School of Forestry: F. MERGEN.
Law School: L. H. POLLAK.
School of Medicine: V. W. LIPPARD, M.D., SC.D.
School of Music: L. NOSS, MUS.M., L.H.D.
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Branford: *Master:* G. A. SCHRADER, Jr., PH.D.

Calhoun: *Master:* B. D. NAPIER, PH.D., D.D.

Davenport: *Master:* D. Merriman, ph.d.

Timothy Dwight: *Master:* T. G. Bergin, ph.d., litt.d.

Jonathan Edwards: *Master:* B. C. Cannon, ph.d.

Morse: *Master:* A. Patterson, Jr., ph.d.

Pierson: *Master:* J. Hersey.

Saybrook: *Master:* B. D. Henning, ph.d.

Silliman: *Master:* E. Clark, ll.b., m.a.

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Trumball: *Master:* G. de F. Lord, ph.d.

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Wright, Mary C., ph.d., History
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Zweig, F., ph.d., Engineering and Applied Science

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Muehl, E. W., ll.b., Practical Theology

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POPE, Rev. L., PH.D., D.D., L.H.D., Social Ethics

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ONAT, E. T., D.SC.
SCHULTHEISS, P. M., PH.D.
WEGENER, P. P., SC.D.
ZWEIG, F., PH.D.

School of Forestry:
FURNIVAL, G. M., D.F., Forest Biometry
GARRATT, G. A., M.F., PH.D., SC.D., Forestry
LUTZ, H. J., M.F., PH.D., Silviculture
MERGEN, F., M.F., PH.D., Forest Genetics
REIFSNYDER, W. E., Forest Meteorology
SMITH, D. M., M.F., PH.D., Silviculture
VOIGT, G. K., PH.D., Forest Soils
WANGAARD, F. F., M.S., PH.D., Forest Products
WHITE, Z. W., M.F., Industrial Forestry
WORRELL, A. C., M.F., PH.D., Forest Economics

School of Art and Architecture:
CHERMAYEFF, S., DR.ARTS, Architectural Design
DANES, G. A., PH.D., D.F.A., Art and Architecture
EISENMAN, A., Graphic Design
KELLER, D., M.A., F.A.A.R., Drawing and Painting
MEEKS, C. L. V., PH.D., History of Architecture
MOORE, C. W., PH.D., Art and Architecture
PETERDI, C. F., Printmaking
PFISTERER, H. A., C.E., Architectural Engineering
ROW, A. T., Jr., M.A., M.C.P., City Planning
TUNNARD, C., M.A., City Planning
TWORKOV, J., M.A., Painting

School of Music:
DAVENNY, W. M., MUS.M., Music
KIRKPATRICK, R., MUS.D., Music
NOSS, L., MUS.M., L.H.D., Music
WILSON, K. L., MUS.M., Music

School of Drama:
BEVAN, F. P., M.F.A., Theatrical Design
CANFIELD, F. C., L.H.D., LL.D., Drama
GASSNER, J. W., M.A., D.H., Playwriting and Dramatic Literature
IZENOUR, G. C., M.A., D.F.A., Electro-mechanical Techniques in Theatre
NAGLER, A. M., PH.D., Dramatic History and Criticism
OENSLAGER, D. M., D.F.A., Scene Design

School of Nursing:
BARRET, JEAN, M.A., Nursing
RYLE, A. E., B.N., M.S., Nursing Administration

DELAWARE

DELAWARE STATE COLLEGE

DUPONT HIGHWAY,
DOVER, DELAWARE

Telephone: 734-8271.

Founded 1891.

President: Dr. LUNA I. MISHOE.
Registrar: Dr. W. A. DANIEL.
Librarian: Mrs. JESTINA T. HENDERSON.

The library contains 48,670 volumes.
Number of teachers: 63.
Number of students: 776.

UNIVERSITY OF DELAWARE

NEWARK, DELAWARE

Founded 1833 from the Newark Academy founded in 1765; Chartered 1769.

President: JOHN A. PERKINS, PH.D., LL.D.
Provost: J. W. SHIRLEY, PH.D.
Director of Admissions: E. R. OTT, PH.D.
Registrar: R. GEBHARDTSBAUER, M.A.
Business Manager and Treasurer: P. E. BECKER.
Librarian: J. M. DAWSON, PH.D.

Number of teachers: 300.

Number of students: 2,472 men, 1,917 women, total undergraduate 4,389, graduate 1,780.

University publications: *Delaware Notes, The University News, Catalogue, Bulletins.*

DEANS:

Students: J. E. HOCUTT, M.S.
Women: BESSIE B. COLLINS, M.S.
College of Agricultural Sciences: W. E. MCDANIEL, PH.D.
College of Arts and Science: W. C. ARCHIE, PH.D.
College of Business and Economics: R. V. AUSTIN, PH.D.
College of Education: R. M. HALL, ED.D.
College of Engineering: E. W. COMINGS, SC.D.
College of Home Economics: IRMA AYERS, ED.D.
College of Graduate Study: C. E. BIRCHENALL, PH.D.

PROFESSORS:

ALLEN, E. G., Military Science
AMES, W. F., Mechanical Engineering, Statistics, Computer Science
AUSTIN, R. V., Business, Economics
AYERS, IRMA, Home Economics
BAILEY, W. R. A., Biological Sciences
BEACHELL, H. C., Chemistry
BENNETT, A. LER., Political Science
BIRCHENALL, C. E., Metallurgy
BOLGIANO, L. P., Electrical Engineering
BRASHER, E. P., Horticulture
BRAY, D. P., Entomology
BROWN, J. A., Education
CLARK, A. M., Biological Sciences
CLIFT, EVELYN, History
COMINGS, E. W., Chemical Engineering
COOPER, C. B., Physics
COVER, M. S., Animal Science and Agricultural Biochemistry
CUNDIFF, P. A., English
DAUGHERTY, J. F., Physics
DOLAN, P., Political Science
DONNELLY, H. J., Jr., Business and Economics
DUKE, R. L., Education
DUNLAP, A. R., English
DUNN, A. H., III, Business and Economics
DYER, ELIZABETH, Chemistry
FLETCHER, W. G., Languages and Literature
FREY, K. P. H., Civil Engineering
GERSTER, J. A., Chemical Engineering
GOWANS, A., Art and Art History
GROOT, J. A., Geology
HALL, R. M., Education
HAUTY, G. T., Psychology
HENRY, G. H., Education
HEUBERGER, J. W., Plant Pathology
KASE, C. R., Dramatic Arts and Speech
KEPPEL, G., Biological Sciences
KERNER, E. H., Physics
KIRCH, M. S., Languages and Literature
KIRCHNER, W., History
KWART, H., Chemistry
LAMB, D. E., Statistics, Computer Science Chemical Engineering
LANE, G. G., Psychology
LANIER, C. N., Business and Economics
LOUDIS, A. J., Music
LUTZ, B. C., Electrical Engineering
MCDANIEL, W. E., Agricultural and Food Economics
MCLAREN, J. C., Languages and Literature
MACPHEE, H. M., Psychology
MATHER, J. R., Geography
MAW, W. H., Education
METZNER, A. B., Chemical Engineering
MICHL, H. E., Business and Economics
MOSHER, W. A., Chemistry
MUNROE, J. A., History
NELSON, D. M., Physical Education and Athletics
NIGRO, F. A., Political Science
NOWINSKI, J., Mechanical Engineering
OVERMAN, E. S., Political Science
PARKER, F. B., Sociology
PIGFORD, R. L., Chemical Engineering
REES, C. J., Mathematics
REESE, W. L., Philosophy
REMAGE, R., Jr., Mathematics
ROSENBERRY, E. H., English
SCHMIDT, B. G., Business and Economics
SMITH, E. W., Business and Economics
SMITH, F. L., Psychology
SMITH, R. C., Agricultural and Food Economics
SOMERS, G. F., Biological Sciences
STAUFFER, R. G., Education
TURNER, E. D., Languages and Literature
VALBUENA, A. J., Languages and Literature
WEBBER, G. C., Mathematics
WILBER, C. G., Biological Sciences
WILLIAMS, F. E., Physics
WILSON, C., Education
WORRILOW, G. M., Agriculture
YOUNG, M. G., Electrical Engineering
ZOZZORA, F., Engineering Graphics

DISTRICT OF COLOMBIA

AMERICAN UNIVERSITY, THE

WASHINGTON, D.C. 20016.

Telephone: 202—244-6800.

Chartered 1893.

President: HURST R. ANDERSON.
Vice-President, Dean of Faculties: DONALD DERBY.
Vice-President, Treasurer and Business Manager: W. O. NICHOLLS.
Vice-President, Director of University Relations: S. H. CASSELL.
Vice-President, Director of University Development, Director of Admissions: J. WAKEFIELD.
Registrar: MARTHA SHORT.
Librarian: F. SCHORK.

Number of teachers: 405.
Number of students: 5,999.

DEANS:

College of Arts and Sciences: W. D. BOWLES.

School of Business Administration: N. A. BAILY.
School of Government and Public Administration: E. H. DE-LONG.
School of International Service: C. O. LERCHE, Jr.
School of Nursing: JEAN D. GALKIN.
Washington College of Law: J. S. MYERS.
College of Continuing Education: R. M. BRAY.
Graduate School: S. O. BURHOE.

THE CATHOLIC UNIVERSITY OF AMERICA

WASHINGTON 17, D.C.

Telephone: Laurance 9-6000.

Incorporated 1887; Chartered by Pope Leo XIII 1889.

Rector: Rt. Rev. WILLIAM J. MCDONALD, PH.D.
Vice-Rector: Rt. Rev. J. B. MCALLISTER, PH.D.
Assistant Treasurer: Rt. Rev. J. A. MAGNER, PH.D., S.T.D.
Secretary-General: G. D. ROCK, PH.D.
Registrar and Director of Admissions: CATHERINE R. RICH, A.B.I., LL.D., LITT.D.
Librarian: E. P. WILLGING, M.A.L.S., LL.D.

Number of teachers: 448.

Number of students: 3,244 men, 1,862 women, total 5,106.

Publications: *Bulletin* (bi-monthly; circ. over 30,000), *Educational Review* (monthly, except July and August), *The Catholic Historical Review* (f. 1915; quarterly), *The American Ecclesiastical Review* (monthly).

DEANS:

Graduate School of Arts and Sciences: J. P. O'CONNOR, M.A., PH.D.
College of Arts and Sciences: Rt. Rev. J. M. CAMPBELL, PH.D.
School of Canon Law: Rt. Rev. C. V. BASTNAGEL, S.T.L., J.U.D.
School of Engineering and Architecture: D. E. MARLOWE, M.S.E., P.E.
School of Law: V. X. MILLER, LL.B., J.S.D.
School of Nursing: Sister CHARLES M. FRANK, C.C.V.I., R.N., M.S.
School of Philosophy: Rt. Rev. J. K. RYAN, PH.MID.
School of Sacred Theology: Rev. W. J. SCHTZ, M.A., S.T.D.
National Catholic School of Social Service: F. J. FERRIS, M.S.W.

DISTRICT OF COLUMBIA TEACHERS COLLEGE

ELEVENTH AND HARVARD STREETS, N.W., WASHINGTON, D.C. 20009

Telephone: 629-4-596.

Founded 1955.

President: Dr. PAUL O. CARR.
Dean of Admissions: F. T. DENAUW.
Librarian: Miss MARY B. CURRAN.

The library contains 79,186 volumes.

Number of teachers: 49.

Number of students: 657 full-time, 637 part-time.

DUNBARTON COLLEGE OF HOLY CROSS

2935 UPTON STREET, N.W., WASHINGTON, D.C. 20008

Telephone: EM 2-1501.

Founded 1935.

President: Sister M. MILDRED DOLORES, C.S.C.
Registrar: Sister M. GEORGINA.
Librarian: Sister MARIA BEATA, C.S.C.

The library contains 42,891 volumes.

Number of teachers: 46.

Number of students: 490.

THE GEORGE WASHINGTON UNIVERSITY

WASHINGTON, D.C. 20006

Telephone: FE 8-0250.

Founded 1821.

President: OSWALD S. COLCLOUGH, LL.D., SC.D. (acting).
President-Elect: L. H. ELLIOTT, ED.D., LL.D.
Vice-President and Dean of the Faculties: J. A. BROWN, Jr., M.A., L.H.D., LL.D.
Administrative Secretary: T. W. BORDEN, A.B.
Vice-President and Treasurer: H. W. HERZOG, B.S.
Director of Admissions: J. Y. RUTH, A.B.
Registrar and Faculties Secretary: F. R. HOUSER, A.M. in GOVT.
Librarian and Art Curator: J. R. MASON, A.M., M.S. in L.S.

The library contains 400,400 volumes.

Number of teachers: 1,730.

Number of students: campus 11,319, off campus 5,505, total 16,824.

DEANS:

Columbian College of Arts and Sciences: C. D. LINTON, PH.D.
The National Law Center: C. B. NUTTING, J.D., LL.M., S.J.D., LL.D., LITT.D.
Law School: R. KRAMER, A.B., LL.B.
Education: F. N. HAMBLIN, ED.D.
Engineering: M. A. MASON, B.S. in ENG., ING.-DR.
Government: H. F. BRIGHT, PH.D. (acting).
Graduate Council: A. E. BURNS, PH.D.
Medicine: J. PARKS, M.S., M.D.
University: J. G. ALLEE, Jr., PH.D.
General Studies: G. L. ANGEL, ED.D.
Summer Sessions: C. W. COLE, PH.D.
Sponsored Research: B. D. VAN EVERA, PH.D., SC.D.
Graduate School of Public Law: L. H. MAYO, LL.B., J.S.D.

GEORGETOWN UNIVERSITY

37TH AND O STREETS, N.W., WASHINGTON, D.C. 20007

Telephone: Federal 7-3300.

Telegraphic Address: Carwhite.

Founded in 1789 by Bishop John Carroll, the first American Catholic Bishop, as the first Catholic University in the U.S.A.

President: Very Rev. GERARD J. CAMBELL, S.J., M.A., PH.D.
Chancellor: Rev. E. B. BUNN, S.J., M.A., PH.D.
Academic Vice-President: Rev. B. A. MCGRATH, S.J.
Vice-President, Medical Affairs: Rev. M. H. BAUER, S.J.
Business Vice-President: Rev. T. B. COLLINS, S.J.
Treasurer: Rev. J. A. HALLER, S.J.
Librarian: Rev. J. B. HORIGAN, S.J.
Curator: Rev. P. ROCK, S.J.
Registrar: J. V. QUINN, A.B.

The library contains 559,000 volumes.

Number of teachers: 617 full-time, 860 part-time.

Number of students: 5,625 men, 1,166 women, total 6,791.

Publications: *Georgetown University Medical Centre Bulletin*, *The Georgetown Law Journal*, *The Hoya*, *The Georgetown Record*, *Res Ipsa Loquitur*, *The Georgetown College Journal*, *Domesday Booke*, *Viewpoint*.

DEANS:

College of Arts and Sciences: T. R. FITZGERALD, S.J., PH.D.
School of Foreign Service: W. E. MORAN, Jr., LL.B.
Graduate School: Rev. J. B. HORIGAN, S.J., M.A.
Law School: P. R. DEAN, LL.M.
Medical School: J. C. ROSE, M.D.
Dental School: C. V. RAULT, D.D.S. (Adm. U.S.N., retd.), F.A.C.D., F.I.C.D.
School of Nursing: ANN M. DOUGLAS, PH.D.
Institute of Languages and Linguistics: R. LADO, PH.D.
School of Business Administration: Rev. J. S. SEBES, S.J., PH.D.

PROFESSORS:

College of Arts and Sciences:
AZIZ, A. K., PH.D., Mathematics
BAKER, L. C. W., PH.D., Chemistry
BISCHOFF, Rev. A. D., S.J., PH.D., English
BLUETT, Rev. J. J., S.J., S.T.D., Theology
CALLAHAN, J. F., PH.D., Classics and Philosophy
CERNY, K. H., PH.D., Government
CHAPMAN, G. B., PH.D., Biology
CONIFF, Rev. A. A., S.J., M.A., Biology
DAVIDS, J., PH.D., History
DESAN, W., PH.D., Philosophy
DOBRIANSKY, L. E., PH.D., Economics
DURKIN, Rev. J. T., S.J., PH.D., History
ESPENSCHEID, A. A., M.A., PH.D., Chemistry
GILBERT, R. P., PH.D., Mathematics
HENDERSON, R. S., PH.D., Physics
HEYDEN, Rev. F. J., PH.D., Astronomy
LARSEN. E., PH.D., Fine Arts
MCLAUGHLIN, Rev. J. J., S.J., PH.D., J.C.D., Philosophy

McNamee, Rev. S. F., s.j., ph.d., Philosophy
Oliphant, M. W., ph.d., Mathematics
Penn, D. R., ph.d., History
Penniman, H. R., ph.d., Government
Quigley, Carroll, ph.d., History
Rommen, H., ph.d., s.j.d., ll.d., Government
Schweder, Rev. W. H., s.j., m.s., Philosophy
Solterer, J., m.a., ph.d., Economics
Steinhardt, J., ph.d., Chemistry
Stokes, A. P., ph.d., Mathematics
Taam, C.-T., ph.d., Mathematics
Thaler, W. J., ph.d., Physics
Weber, R. J., m.s., ph.d., Biology
Wilkinson, W. W., ph.d., History
Williams, F. B., Jr., ph.d., English
Yates, Rev. G. F., s.j., m.a., ph.d., s.t.l., Government
Yoklavich, J. M., ph.d., English
Zebot, C. A., ph.d., Economics

School of Foreign Service:
Davids, J., ph.d., History
Debicki, R., ll.m., Government
Dobriansky, L. E., ph.d., Economics
Fadner, Rev. F. L., s.j., ph.d., History
Heck, H. J., d.c.s., Foreign Trade and Transportation
O'Connor, J. J., ph.d., History
Penn, D. E., ph.d., History
Penniman, H. R., ph.d., Government
Yoklavich, J. M., ph.d., English

Graduate School:
Aziz, A. K., ph.d., Mathematics
Baker, L. C. W., ph.d., Chemistry
Bischoff, Rev. A. D., s.j., ph.d., English
Briefs, G. A., ph.d., Economics
Callahan, J., ph.d., Philosophy
Castiglione, S. J., ph.d., Italian
Cerny, K. H., ph.d., Government
Chapman, G. B., ph.d., Biology
Davids, J., ph.d., History
Desan, W., ph.d., Philosophy
Dobriansky, L., ph.d., Economics
Dulles, Eleanor L., ph.d., Government
Durkin, Rev. J., s.j., ph.d., History
Epenscheid, A. A., ph.d., Chemistry
Fadner, Rev. F. L., s.j., ph.d., History
Gilbert, A. P., ph.d., Mathematics
Gray, I., ph.d., Biology
Hanrahan, Rev. E. T., s.j., ph.d., History
Henderson, R. S., ph.d., Physics
Heyden, Rev. F. J., ph.d., Astronomy
Oliphant, M. W., ph.d., Mathematics
Penn, D. R., ph.d., History
Penniman, H. R., ph.d., Government
Rommen, H., ph.d., s.j.d., ll.d., Government
Sharabi, H., ph.d., History, Government
Sherbowitz-Wetzor, O., ph.d., History
Solterer, J., ph.d., Economics
Steinhardt, J., ph.d., Chemistry
Taam, C. T., ph.d., Mathematics
Thaler, W., ph.d., Physics
Toumanoff, C., ph.d., History
Wagner, B., m.a., English
Wilkinson, W. W., ph.d., History
Williams, F. B., ph.d., English
Yates, Rev. G. F., s.j., ph.d., Government
Yoklavich, J. M., ph.d., English
Zebot, C. A., ph.d., Economics

Law School:
Antieau, C. J., m.s., ll.m., s.j.d., Municipal Corporations, Conflict of Laws
Boyles, J. H., ll.b., Legal Bibliography
Bradley, E. J., a.b., ll.b., Legal Accounting and Business Organisation
Bulman, J. S., b.a., ll.b., Civil Procedure
Conway, P., ll.m., Torts, Business Organisation
Dean, P. R., b.a., ll.m., Equity, Damages, Trusts and Contracts
Dugan, F. J., ll.m., Constitutional Law
Gaghan, J. F., m.f.s., ll.m., Legal Bibliography
Hanley, D., s.j., ll.m., Torts, Jurisprudence and Labour Law
Jacoby, S., j.d., Civil Procedure, International Law
Jaeger, W. H. E., m.s., ph.d., j.d., Contracts, Negotiable Instruments and Labour Laws
Kronstein, H. J. D., s.j.d., Private Corporations, Corporation Law and Roman Law
Lucey, Rev. F., s.j., ph.d., Jurisprudence and Civil Procedure
McManus, E. P., b.a., ll.b., Constitutional Law, Civil Procedure, and Federal Security: Law and Legislation
Metzger, S., a.b., ll.b., Crimes, Administrative Law, International Trade, International Law
O'Toole, T. J., m.a., Legislation, Torts
Pye, K., ll.m., Civil Procedure
Ryan, P. A., b.a., ll.b., Civil Procedure, Personal Property, Torts, Domestic Relations
Snee, Rev. J. M., s.j., ph.l., m.a., s.t.l., Constitutional Law, Contracts and Restitution
Steinbinder, Helen, m.s., ll.m., Taxation, Wills and Real Property
Whelan, J. W., a.b., ll.b., Torts, Commercial Law

Medical School:
Andrews, J. R., m.d., d.sc., Radiology
Baensch, W. E., m.d., Radiology
Baker, R. C., m.d., ph.d., Urology
Bhussry, B. R., d.d.s., ph.d., Anatomy
Brick, I. B., m.d., Medicine
Burke, F. G., m.d., Pædiatrics
Calcagno, P. L., m.d., Pædiatrics
Coffey, R. J., m.d., m.s., ph.d., Surgery
Geschickter, C. F., m.a., m.d., Pathology
Golden, A., m.d., Pathology
Harvey, W. P., m.d., Medicine
Horner, W. H., m.d., ph.d., Biochemistry
Hugnagel, C. A., m.d., Experimental Surgery
Hyatt, G., m.d., Orthopædic Surgery
Jessner, Lucie N., ph.d., m.d., Psychiatry
Katz, S., m.d., Medicine
Kelliher, T. F., m.d., Medicine
Koppanyl, T., ph.d., Pharmacology and Materia Medica
Kyle, L. H., m.d., Medicine
Lilienfield, L. S., m.d., Physiology, Biophysics
MacNamara, T. E., m.d., Anæsthesiology
Maengwyn-Davies, Gertrude D., ph.d., Pharmacology
Marchetti, A. A., m.d., Obstetrics and Gynæcology
Martin, C. M., m.d., Medicine, Pharmacology
Mollari, M., m.d., dr.t.m., Microbiology and Tropical Medicine
O'Doherty, D., m.d., Neurology
O'Rourke, J. F., m.d., Surgery
Parrott, R. A., m.d., Pædiatrics
Rath, C. E., Medicine
Rose, J. C., m.d., Physiology and Biophysics
Rubin, M., ph.d., Biochemistry
Saz, A. K., ph.d., Microbiology, Tropical Medicine
Schreiner, G. E., m.d., Medicine
Shields, C. D., m.d., Physical Medicine and Rehabilitation
Solnitzky, O. C., ph.d., m.d., Anatomy
Steinbach, R. A., Psychiatry

Dental School:
Bhussry, B. R., d.d.s., ph.d., Anatomy
Dardin, V. J., m.d., m.a., Surgical Pathology
Emig, G. D., d.d.s., Prosthetic Dentistry
Geschickter, C. F., m.a., m.d., Pathology
Goldberg, M., d.d.s., Dental Materials
Golden, A., a.b., m.d., Pathology
Hess, W. C., b.s., ph.d., Biological Chemistry
Koppanyi, T., ph.d., Pharmacology and Materia Medica
Kruger, G. O., d.d.s., Oral Surgery
Maengwyn-Davies, Gertrude D., ph.d., Pharmacology
Mollari, M., m.d., dr.t.m., Microbiology and Tropical Medicine
Murto, C. B., d.d.s., Crown and Bridge
Rubin, M., ph.d., Biochemistry
Sheldon, H. B., d.d.s., Operative Dentistry
Solnitzky, O. C., m.a., ph.d., m.d., Anatomy

Institute of Languages and Linguistics:
Castiglione, S. J., ph.d., Italian
Croft, K., ph.d., Linguistics
Eddy, F. D., ph.d., French
Fries, C. C., ph.d., Linguistics
Grigorieff, D., ph.d., Russian
Hoffmann, R. W., ph.d., German
Lado, R., ph.d., Linguistics
Lang, A., ph.d., German
Martinez, M. G., ph.d., Spanish
Twombly, Rev. N. J., s.j., ph.d., Latin

School of Nursing:
Drake, Margery E., m.s.n.e., Public Health

HOWARD UNIVERSITY

2400 SIXTH STREET, N.W.,
WASHINGTON, D.C. 20001

Founded 1867.

President: James M. Nabrit, Jr., j.d., ll.d.
Academic Vice-President: S. L. Wormley, m.a., ph.d.
Vice-President (Special Projects): W. S. Nelson, ll.d.
Secretary: G. F. Stanton, m.b.a.
Treasurer and Chief Business and Financial Officer: J. B. Clarke, m.a.
Director of Recording: W. A. Sojourner, m.a.
Librarian: J. Reason, m.a., ph.d.

The library contains 466,128 volumes.
Number of teachers: 900.
Number of students: approx. 5,672 men, 3,729 women, total 9,401.
Publications: *Journal of Negro Education, Journal of Religious Thought, Howard University Bulletin, Howard Law Review, Howard University Magazine.*

Deans:

College of Dentistry: R. A. Dixon, m.s.d.
College of Liberal Arts: F. M. Snowden, Jr., ph.d.
College of Medicine: R. S. Jason, ph.d., sc.d.
College of Pharmacy: C. I. Cooper, m.s.
College of Fine Arts: W. Lawson, m.a.

School of Religion: S. L. GANDY, PH.D.
School of Social Work: INABEL B. LINDSAY, D.S.W.
Graduate School: CARROLL L. MILLER, ED.D. (acting).
School of Engineering and Architecture: S. S. DAVIS, M.S.M.E.
School of Law: C. C. FERGUSON, LL.D.
Summer School: CARROLL L. MILLER, ED.D. (Director).
Students: A. J. BLACKBURN, ED.D.
Chapel: E. E. CRAWFORD, PH.D.
Women: EDNA M. CALHOUN, M.A.
Men: J. L. CARY, A.M.

TRINITY COLLEGE

WASHINGTON, D.C. 20017

Founded 1897.

President: Sister MARGARET, S.N.D.
Vice-President: Sister COLUMBA, S.N.D.
Academic Dean: Sister MARY ST. FRANCIS, S.N.D.
Director of Development: R. SCHIFFERLI.
Dean of Students: Sister JANICE MARIE, S.N.D.
Assistant Dean of Students: Sister PATRICIA ANN, S.N.D.
Director of Admissions: Sister SHEILA, S.N.D.
Librarian: Sister HELEN, S.N.D.
Registrar: JANE M. O'BOYLE.
Business Officer: Sister ALICE CLEMENT, S.N.D.

The library contains over 80,000 volumes.

Number of teachers: 61 full-time, 17 part-time.

Number of students: 4,400.

Publications: *Trinity College Catalogue, Trinity College Record, Trinity Times, Trinilogue, Alumnae Journal.*

FLORIDA

BARRY COLLEGE

11300 N.E. 2ND AVENUE,
MIAMI, FLORIDA 33161

Telephone: PL 9-2414.

Founded 1940.

President: Sister M. DOROTHY, O.P.
Dean: Sister MARY ARNOLD, O.P.
Registrar: Sister PETER CLAVER, O.P.
Librarian: Sister M. IGNATIA, O.P.

The library contains 48,500 volumes (approx.).

Number of teachers: 73.

Number of students: 1,009.

BETHUNE-COOKMAN COLLEGE

640 SECOND AVENUE,
DAYTONA BEACH, FLORIDA 32015

Telephone: 252-8667.

Founded 1904.

President: Dr. RICHARD V. MOORE.
Registrar: H. F. DESHIELDS.
Librarian: MARTHA M. BERHEL.

The library contains 41,721 volumes.

Number of teachers: 47.

Number of students: 850.

FLORIDA AGRICULTURAL AND MECHANICAL UNIVERSITY

TALLAHASSEE, FLORIDA

Telephone: 222-8030-904.

Founded 1887.

President: GEORGE W. GORE, Jr., ED.M., PH.D.
Administration: H. M. EFFERSON, M.A., LL.D.
Registrar: E. M. THORPE, M.S.
Librarian: J. L. THOMAS, M.A.

Number of teachers: 220.

Number of students: 3,265.

DEANS:

School of Agriculture and Home Economics: C. E. WALKER, M.S., PH.D.
School of Education: M. O. ALSTON, M.S., ED.D.
College of Arts and Sciences: M. C. RHANEY, M.S., PH.D.
Vocational-Technical Institute: M. S. THOMAS, M.ED.
School of Nursing: Mrs. EUNICE J. BURGESS, M.A.
College of Law: R. L. WILLIAMS, LL.M.
School of Pharmacy: H. M. JONES, Jr., M.S.
Graduate School: L. J. SHAW, ED.D.
Military Science: Lt.-Col. S. F. SAMPSON.

FLORIDA MEMORIAL COLLEGE

ST. AUGUSTINE, FLORIDA

Telephone: Va9-3487 or Va9-3488.

Founded 1892.

President: R. W. PURYEAR.
Registrar: Mrs. FRANCES M. EAGLESON.
Librarian: R. B. MOORE.

The library contains 29,069 volumes.

Number of teachers: 26.

Number of students: 322.

FLORIDA SOUTHERN COLLEGE

LAKELAND, FLORIDA 33802

Telephone: Area Code 813, 682-2981.

Founded 1885.

President: CHARLES T. THRIFT, Jr.
Registrar: Mrs. CAROL M. ESAU.
Librarian: Miss OWEEN SUMNER.

The library contains 87,676 volumes.

Number of teachers: 115.

Number of students: 1,488 full-time, 345 part-time.

FLORIDA STATE UNIVERSITY

TALLAHASSEE, FLORIDA

Founded 1857 as the Seminary West of the Suwannee River, and later became the Florida State College. By act of the Legislature in 1905, Florida State College in Tallahassee became the Florida State College for Women. In 1947 a bill was passed making the institution co-educational as The Florida State University.

President: JOHN E. CHAMPION, PH.D.
Registrar: W. L. WHARTON, D.ED.
Business Manager: R. K. SHAW, B.S.

Librarian: N. O. RUSH, M.S.

The library contains 690,000 volumes.

Number of teachers: 730.

Number of students: 12,136.

Publication: *Bulletin* (quarterly).

DEANS:

Graduate School: T. R. LEWIS.
College of Arts and Sciences: E. L. CHALMERS, Jr., PH.D.
School of Education: M. L. STONE, PH.D.
School of Home Economics: HORTENSE M. GLENN, PH.D.
School of Music: K. O. KUERSTEINER, M.M., PH.D.
Library School: L. SHORES, M.S., PH.D.
School of Social Welfare: C. E. MOORE, M.S., PH.D.
School of Business: C. A. ROVETTA, M.B.A.
School of Nursing: V. DUXBURY.
School of Engineering Science: G. L. ROGERS, SC.D.
Students: H. P. DAY, ED.D.
Men: H. D. LOUCKS, PE.D.
Women: MARY K. WARREN, M.A.

PROFESSOSR:

ALLEN, F. R., PH.D., Sociology
BAKER, H. D., PH.D., Psychology
BAYFIELD, E. G., PH.D., Baking Science
BECK, E. R., PH.D., History
BLACK, H. A., C.P.A., PH.D., Accounting
BLAKE, G. K., ED.D., Education
BOSCH, G. K., PH.D., Art
BOYCE, E. M., PH.D., Education
BRADLEY, R. A., PH.D., Statistics
BREEN, RUTH S., PH.D., Botany
BRUECKHEIMER, W. R., PH.D., Geography
BUIE, B. F., PH.D., Geology
BUIS, ANNE G., PH.D., Home Economics
BURGIN, R., Music
BURTON, D. L., PH.D., English Education
CAMPBELL, C. A., PH.D., Finance
CAMPBELL, L. R., PH.D., English Education
CAROTHERS, M. W., ED.D., LL.D., Higher Education
CASON, E. W., PH.D., Program Internship and Field Service
CATE, HELEN D., PH.D., Food and Nutrition
CHALMERS, E. L., Jr., PH.D., Psychology
CHOPPIN, G. R., PH.D., Chemistry
CLAPP, R. G., M.A.
COLBERG, M. R., PH.D., Economics
COLLIER, A. W., B.A., Biology
COOPER, I., MUS.D., Music Education
COTTINGHAM, H. F., ED.D., Education
CRAIG, R. A., SC.D., Meteorology
CURTIS, H. A., ED.D., Educational Research and Testing
DALES, RUTH J., PH.D., Home and Family Life
DAVIS, R. H., PH.D., Physics
DAWIRS, H. N., PH.D., Engineering Science
DETAR, D. F., PH.D., Chemistry
DEVORE, G. W., PH.D., Geology
DICKSON, P., PH.D., ED.D., Foreign Language Education
DILLINGHAM, W. P., PH.D., Economics
DUKAS, P., M.B.A., Hotel and Restaurant Management
DUXBURY, V. M., M.A., Nursing
EARNEST, R. C., PH.D., Finance
EDNEY, C. W., PH.D., Speech
EICHINGER, J. W., Jr., PH.D., Chemistry
EVERETT, P. W., PH.D., Physical Education and Recreation
FLORY, C. R., PH.D., English
FLOYD, C. S., Jr., B.S., M.M., Music
FOX, GRACE I., P.E.D., Physical Education and Recreation

Fox, S. W., PH.D., Chemistry
Fox, V. B., PH.D., Social Welfare
Frick, H. L., PH.D., Administration
Frieden, E., PH.D., Chemistry
Froemke, R. L., PH.D., Management
Gleeson, T. A., PH.D., Meteorology
Glenn, H. M., PH.D., Home Economics
Godfrey, R. K., PH.D., Botany
Goodner, D. B., PH.D., Mathematics
Greenhut, M. L., PH.D., Economics
Grigg, C. M., PH.D., Sociology
Hale, G. G., ED.D., Social Studies Education
Hankin, E., ED.D., Education and Industrial Arts
Hardee, M. D., PH.D., Higher Education
Hardy, P. B., LL.B., Aerospace Studies
Harter, W. C., J.D., Business Law
Hartz, E. R., PH.D., Social Welfare
Hay, Marion J., PH.D., Education
Hayes, Dorothy D., PH.D., Social Work
Heerema, N., PH.D., Mathematics
Henderson, E. H., PH.D., Philosophy
Herndon, Sarah, PH.D., Philosophy
Herz, W., PH.D., Chemistry
Hess, S. L., Meteorology
Heydenburg, N. P., PH.D., Physics
Hinely, W. H., ED.D., Industrial Arts and Vocational Education
Hodges, D. C., PH.D., Philosophy
Hoffman, D. L. B., PH.D., Modern Languages
Hood, Mary N., PH.D., Bacteriology
Hooten, J. R., Jr., ED.D., Education
Housewright, W. L., ED.D., Music Education
Hull, R. W., PH.D., Biological Science
Hunt, K. W., PH..D., English
Husband, R. W., PH.D., Psychology
Irish, Marian D., PH.D., Government
Jahoda, G., D.L.S., Library Science
Joel, R., M.A., Advertising and Public Relations
Johnsen, R. H., PH.D., Chemistry
Johnson, I. E., ED.D., Art Education and Constructive Design
Jordan, C. L., PH.D., Meteorology
Jordan, W. T., PH.D., History
Karl, A. J., PH.D., Art
Kasha, M., PH.D., Chemistry
Kenshalo, D. R., PH.D., Psychology
Kilenyi, E., Jr., Music
Killian, L. M., PH.D., Sociology
Killinger, G. G., PH.D., Social Welfare
Kip, R. de R., PH.D., Risk and Insurance
Knezevich, S. J., PH.D., Educational Administration and Supervision
Krans, D. M.D., Social Welfare
Kromhout, R. A., PH.D., Physics
Kropp, R. P., ED.D., Educational Research and Testing
Kuersteiner, K. O., PH.D., Music
Lacayo, H., D. EN LETTRA, Modern Languages
Laseur, N. E., PH.D., Meteorology
Lastinger, S. T., ED.D., Education
Lawton, R. O., PH.D., English
Leffler, J. E., PH.D., Chemistry
Lensen, G. A., PH.D., History
Levine, D. L., PH.D., Social Welfare
Lewis, T. R., PH.D., Speech
McArthur, C. W., PH.D., Mathematics
McBride, O., PH.D., English Education
Macesich, G., PH.D., Economics
Mamatey, V. S., PH.D., History
Mandelkern, L., PH.D., Molecular Biophysics
Marshall, J. S., PH.D., Science Education
Melvin, M. A., PH.D., Physics
Micks, H. W., D. DE L'U., Modern Languages
Miles, E. P., Jr., PH.D., Mathematics
Miller, K. D., PH.D., Physical Education and Recreation
Miller, R. D., PH.D., Philosophy
Minnick, W. C., PH.D., Speech
Montgomery, J. E., Home and Family Life
Montgomery, R. H., PH.D., Student Activities
Moore, C. E., PH.D., Social Welfare
Nam, C. B., PH.D., Sociology
Nation, W. B., PH.D., Marketing
Nichols, E. D., PH.D., Mathematics
Nikolaidi, Elena, Voice
Nimkoff, M. F., PH.D., Sociology
Oelschlager, V. R. B., PH.D., Modern Languages
Oglesby, R. R., PH.D., Government
Oppenheimer, C., PH.D., Oceanography
Parsons, M. B., PH.D., Government
Paton, W. A., Jr., PH.D., Accounting
Pearman, Jean R., PH.D., Social Welfare
Phifer, G., PH.D., Speech
Piccard, P. J., PH.D., Government
Plyler, E. K., PH.D., Physics
Preu, J. A., PH.D., English
Price, H. D., PH.D., Physical Education and Recreation
Pugh, G. T., PH.D., English
Quagliano, J. V., PH.D., Chemistry
Randel, W. P., PH.D., English
Ray, R. H., PH.D., Advertising and Public Relations
Reaver, J. R., PH.D., English
Ritchie, M. H., ED.D., Elementary Education
Roady, E. E., PH.D., Government
Rogers, C., PH.D., English
Rogers, G. L., SC.D., Engineering Science
Rovetta, C. A., M.B.A., Business
Rush, N. O., M.S., Libraries
Salisbury, A. E., M.A., Nursing
Savage, I. R., PH.D., Statistics
Schendel, L. L., PH.D., Speech
Schultz, R. E., PH.D., Higher Education
Schwartz, Julia B., ED.D., Art Education and Constructive Design
Schwartz, G., PH.D., Physics
Sellers, O. F., M.M., Music
Sheline, R. K., PH.D., Chemistry and Physics
Shores, L., PH.D., Library School
Short, R. B., PH.D., Zoology
Skretting, J. R., PH.D., Social Studies Education
Smith, H. G., PH.D., Anthropology and Archæology
Smith, Sara L., ED.D., Health Education
Stevens, J. R., PH.D., Marketing
Stickler, W. H., Higher Education
Stoakes, J. P., PH.D., English
Stone, M. L., PH.D., Education
Strickland, V. E., PH.D., Internship and Field Service
Swearingen, Mildred E., PH.D., Administration and Supervision
Tait, W. J., ED.D., Physical Education and Recreation
Tankersley, M. J., B.S., Military Science
Taylor, J. H., PH.D., Biological Science
Thompson, M., Lynette PH.D., Classics
Thursby, V. V., PH.D., Government
Toulmin, L. D., PH.D., Geology
Townsend, F. G., PH.D., English
Trembly, E. D., M.B.A., C.P.A., Accounting
Tully, G. E., ED.D., University Testing Service
Vance, E. L., M.A., Social Science
Vanstan, Ina, M.A., Clothing and Textiles
Veller, D. A., P.ED., Physical Education and Recreation
Wade, L. T., PH.D., Mathematics
Walborsky, N. M., PH.D., Chemistry
Waldby, H. O., PH.D., Government
Walters, J. C., PH.D., Home and Family Life
Waskom, H. L., PH.D., Psychology
Watts, Betty M., PH.D., Food and Nutrition
Weale, W. B., ED.D., Marketing
Whitcomb, M., ED.D., Music Education
White, J. A., Jr., PH.D., Music
Wildermuth, K., PH.D., Physics
Witherspoon, R. L., PH.D., Psychology
Yerger, R. W., PH.D., Zoology
Yost, G., Jr., PH.D., English
Zachara, F., Music
Zerbe, K., DR. OF FINE ARTS, Art

JACKSONVILLE UNIVERSITY

JACKSONVILLE, FLORIDA 32211

Telephone: Area Code 904, 725-0911.

Founded 1934.

President: Dr. Robert H. Spiro.
Registrar: W. H. McCoy.
Director of Admissions: Mrs. Dixie E. Rupp.
Librarian: W. J. Chalker.

The library contains 95,000 volumes.

Number of teachers: 81 full-time, 22 part-time.

Number of students (1965): 2,500.

ROLLINS COLLEGE

WINTER PARK, FLORIDA 32791

Telephone:
AC 305-647-0731 (President's Office)
AC 305-647-4740 (Information Office)

Founded 1885.

President: Hugh F. McKean.
Registrar: R. Wolfe.
Dean of Admissions: S. Lane.
Librarian: Mrs. Alice Hansen.

The library contains 132,000 volumes.

Number of teachers: 85.

Number of students: 1,000.

STETSON UNIVERSITY

DE LAND, FLORIDA

Telephone: Re 4-4121.

Established as De Land Academy 1883; chartered as De Land University 1887; name changed 1889; related to the Baptist Churches of Florida.

President: J. Ollie Edmunds.
Business Manager: J. E. Johns.
Registrar: Barbara Rowe.
Librarian: B. L. Mowery.

The libraries contain over 200,000 catalogued items.

Number of teachers: 122.

Number of students: 1,800.

Publications: *The Stetson University Bulletin*, *The Stetson Letter*.

Deans:

Liberal Arts and Sciences: W. H. McEniry, Jr.
Business: E. C. Furlong, Jr.
Law: H. L. Sebring.
Music: P. T. Langston.
Summer Session: R. V. Sowers.
Dean of Students: G. W. Hood.
Women: Etter M. Turner.
Men: B. Baggett.

In September 1954 the College of Law, established in 1901, was opened in St. Petersburg, Fla.; enrolment: 225.

UNIVERSITY OF FLORIDA
GAINESVILLE, FLORIDA

Founded 1853.

President: J. WAYNE REITZ, PH.D.
Vice-President: H. M. PHILPOTT, PH.D.
Dean of Academic Affairs: R. B. MAUTZ, LL.B.
Provost for Agriculture: M. A. BROOKER, PH.D. (acting).
Provost for Health Center: S. P. MARTIN, M.D.
Registrar: R. S. JOHNSON, B.S.P.
Business Manager: W. E. JONES, B.S.BUS.AD.
Director of Libraries: S. L. WEST, A.B., LL.B., B.S. IN L.S.

The library contains 970,429 volumes.
Number of teachers: 1,349.
Number of students: 9,691 men, 3,943 women, total 13,634.
Publications: *Journal of Politics, Southern Folklore Quarterly, Southern Speech Journal, Journal of Inter-American Studies.*

DEANS, ETC.:

College of Agriculture: M. A. BROOKER, PH.D.
College of Architecture and Allied Arts: T. C. BANNISTER, F.A.I.A., PH.D., D.F.A.
College of Arts and Sciences: R. E. PAGE, PH.D.
College of Business Administration: D. J. HART, PH.D.
College of Education: J. B. WHITE, PH.D.
College of Engineering: J. WEIL, M.S.
School of Forestry: C. M. KAUFMAN, PH.D. (Director).
Graduate School: L. E. GRINTER, PH.D.
College of Health Related Services: D. J. MASE, PH.D.
School of Inter-American Studies: A. C. WILGUS, PH.D. (Director).
School of Journalism and Communications: R. O. WEIMER (Director).
College of Law: F. E. MALONEY, LL.B.
College of Medicine: G. T. HARRELL, M.D.
College of Nursing: DOROTHY M. SMITH, M.ED.
Student Affairs: L. L. HALE, PH.D.
College of Pharmacy: P. A. FOOTE, PH.D.
College of Physical Education and Health: D. K. STANLEY, M.ED.
University College: B. S. HOLLINSHEAD, LL.D., L.H.D.
Men: F. T. ADAMS, ED.D.
Women: MARNA V. BRADY, D.ED.

UNIVERSITY OF MIAMI
CORAL GABLES, FLORIDA

Chartered 1925.

President: HENRY KING STANFORD, PH.D.
Vice-President for Academic Affairs and Dean of the Faculties: A. H. GROPP, PH.D.
Vice-President and Treasurer: E. E. COHEN, M.B.A.
Vice-President for Development: D. V. STOPHLET, PH.M.
Vice-President for Student Affairs: W. R. BUTLER, ED.D.
Registrar: G. W. SMITH, M.S.
Librarian: A. L. MCNEAL, PH.D.

Number of teachers: 675 full-time, 150 part-time, 206 full professors.
Number of students: full-time 9,157, part-time 4,140.
Publications: *University of Miami Press* (book publications), *Miami Hurricane* (student weekly newspaper), *Tempo* (monthly), *Ibis* (yearbook), Faculty Bulletins.

DEANS:

Faculties: A. H. GROPP, PH.D.
Students: (Vacant).
Graduate School: J. A. HARRISON (acting).
College of Arts and Sciences: E. M. MILLER, PH.D.
School of Business Administration: C. E. MYERS, D.C.S.
School of Education: J. R. BEERY, PH.D., LL.D.
School of Engineering: W. C. KNOPF, PH.D.
School of Law: (Vacant).
School of Medicine: H. C. NICHOLSON, M.D.
School of Music: W. F. LEE., PH.D.
Division of Continuing Education: M. R. ALLEN, PH.D.
School of Environmental and Planetary Sciences: S. F. SINGER, PH.D.
Men: W. R. BUTLER, ED.D.
Women: MAY A. BRUNSON, ED.D.
University College: H. F. WILLIAMS, PH.D.

UNIVERSITY OF TAMPA
TAMPA, FLORIDA 33606

Telephone: 253-8861.

Founded 1931.

President: DR. DAVID M. DELO.
Registrar: R. T. FERNANDEZ.
Librarian: Miss CHARLOTTE ANNE THOMPSON.

The library contains 70,000 volumes.
Number of teachers: 70 full-time.
Number of students: 1,500 full-time, 1,300 part-time.

GEORGIA

AGNES SCOTT COLLEGE
DECATUR, GEORGIA

Founded 1889.

President: WALLACE M. ALSTON, TH.D.
Dean of Faculty: C. B. KLINE, Jr., PH.D.
Dean of Students: CARRIE SCANDRETT, M.A.
Librarian: EDNA H. BYERS, M.A.L.S.

Number of teachers: 81, including 20 professors.
Number of students: 735 women.
Publications: *Bulletin, Alumnae Quarterly.*

ALBANY STATE COLLEGE
ALBANY, GEORGIA

Telephone: 436-3212.

Founded 1903.

President: THOMAS M. JENKINS.
Director of Admissions: Mrs. HELEN M. MAYES.
Librarian: G. C. CRAFT.

The library contains 22,039 volumes.
Number of teachers: 63.
Number of students: 1,095.

ATLANTA UNIVERSITY
ATLANTA, GEORGIA

Founded 1865; Chartered 1867.

President: RUFUS E. CLEMENT.
Treasurer: C. E. BACON.
Registrar: P. I. CLIFFORD.

The library contains 181,472 volumes.
Number of teachers: 94.
Number of students: 854.
Publications: *Atlanta University Bulletin* (quarterly), *Phylon, The Atlanta University Review of Race and Culture* (quarterly).

DEANS:

Education: H. M. BOND.
Business Administration: H. B. YOUNG.
Arts and Sciences: T. D. JARRETT.
Social Work: W. S. JACKSON.
Library Service: VIRGINIA L. JONES.

DIRECTOR:

Summer Session: P. I. CLIFFORD.

BERRY COLLEGE
MOUNT BERRY, GEORGIA

Founded 1902.

President: JOHN R. BERTRAND.
Dean of Students: E. B. HATCHER.
Academic Dean: J. R. TIMMERMAN.
Registrar: D. WILSON.
Business Manager: R. H. MCCLOSKEY.
Dean of Women: BETTY BARBOUR.
Dean of Men: T. C. GLOVER.

Number of teachers: 54.
Number of students: 1,000.

EMORY UNIVERSITY
ATLANTA, GEORGIA

Telephone: 377-2411.

Controlled by Methodist Church.

Junior College at Oxford, Georgia (founded 1929).

Chartered as Emory College 1836, University 1915.

President: SANFORD S. ATWOOD, PH.D.
Vice-President and Dean of Faculties: J. C. WARD, Jr., PH.D.
Vice-President and Director of Health Services: O. E. MYERS, Jr., A.M.
Vice-President for Development and Planning: N. C. SMITH, A.B.
Senior Director of Admissions: L. L. CLEGG, A.M.
Director of Admissions: C. N. WATSON, A.M.
Registrar: I. W. BROCK, PH.D.

Director of Libraries: G. R. LYLE, M.S.

The library contains 823,609 volumes.
Number of teachers: 613 (full-time).
Number of students: 4,984.
Publications: *Emory Magazine, Emory Quarterly, Journal of Public Law.*

DEANS:

College of Arts and Sciences: J. C. STEPHENS, Jr., PH.D.
Emory Junior College, Oxford: V. Y. C. EADY, A.M., LL.D.
Business Administration: J. M. HUND, PH.D. (acting).
Dentistry (Atlanta): G. H. MOULTON, D.D.S.
Graduate: C. T. LESTER, PH.D.
School of Law: B. F. JOHNSON, Jr., J.D., LL.M.
Medicine: A. P. RICHARDSON, M.D.
Nursing: ADA FORT, A.M., R.N.
Theology: W. R. CANNON, PH.D., D.D., LL.D.

FORT VALLEY STATE COLLEGE

FORT VALLEY, GEORGIA

Telephone: 825-5363.

Founded 1895.

President: Dr. C. V. TROUP.
Registrar: H. A. MILLER.
Librarian: Miss HOMIE REGULUS.

The library contains 55,000 volumes.
Number of teachers: 85.
Number of students: 1,411.

GEORGIA INSTITUTE OF TECHNOLOGY

ATLANTA, GEORGIA

Chartered 1885.

President: EDWIN D. HARRISON, PH.D.
Registrar: W. L. CARMICHAEL, M.S.
Comptroller: J. R. ANTHONY.
Librarian: Mrs. J. HENLEY CROSLAND.
Executive Secretary: ELIZABETH KOENIG.

The library contains 300,000 volumes.
Number of teachers: 512.
Number of students: 7,500.
Publications: *The Technique, Engineer, Blue Print, Rambler.*

DEANS, ETC.:

Dean of Faculties: P. WEBER, PH.D.
Engineering: J. W. MASON, PH.D.
General College: R. A. HEFNER, PH.D.
Graduate Studies: M. J. GOGLIA, PH.D.
Students: J. E. DULL, M.ED.
Public Relations: F. W. AJAX, A.M.

GEORGIA SOUTHERN COLLEGE

STATESBORO, GEORGIA 30459

Telephone: 764-3231.

Founded 1908.

President: ZACH S. HENDERSON.
Registrar: L. JOYNER.
Librarian: HASSIE M. MCELVEEN.

The library contains 85,700 volumes.
Number of teachers: 175.
Number of students: 3,500.

GEORGIA STATE COLLEGE

33 GILMER STREET S.E.,
ATLANTA, GEORGIA 30303

Telephone: 523-7681.

Founded 1913.

President: Dr. NOAH N. LANGDALE, JR.
Registrar and Dean of Admissions: W. S. PATRICK.
Librarian: Dr. W. R. PULLEN.

The library contains 185,000 volumes.
Number of teachers: approx. 225.
Number of students: approx. 7,500.

LA GRANGE COLLEGE

LA GRANGE, GEORGIA 30240

Telephone: 882-2911.

Founded 1831.

President: Dr. WAIGHTS G. HENRY, Jr.
Registrar: A. MARIOTTI.
Dean of Admissions: F. J. HENDERSON.
Librarian: Mrs. DAVIS P. MELSON.

The library contains 38,000 volumes.
Number of teachers: 43.
Number of students: 600.

MERCER UNIVERSITY

(Baptist)

MACON, GEORGIA

Telephone: Sh 3-1511.

Chartered 1833.

President: Dr. RUFUS C. HARRIS.
Registrar: C. H. POSEY.
Business Officer: W. T. HAYWOOD.
Librarian: D. J. METTS, Jr.

Number of teachers: 126.
Number of students: 1,492.
Publication: *Mercer University Bulletin.*

DEANS:

Arts and Sciences: (Vacant).
Director of Graduate Studies: P. CABLE.
Law: J. C. QUARLES.
Pharmacy: O. LITTLEJOHN.
Summer Session: P. E. CABLE.
Dean of Men: J. HENDRICKS.
Dean of Women: HELEN GLENN.
Director of Admissions: J. T. MITCHELL.
Chapel: F. R. OTTO.

MOREHOUSE COLLEGE

223 CHESTNUT STREET S.W.,
ATLANTA, GEORGIA 30314

Telephone: Murray 8-4223.

Founded 1867.

President: BENJAMIN E. MAYS.
Registrar: H. C. HAMILTON.
Librarian: Mrs. JESSIE E. EBANKS.

The library contains 9,129 volumes.
Number of teachers: 53 full-time.
Number of students: 853.

MORRIS BROWN COLLEGE

643 HUNTER STREET N.W.,
ATLANTA 14, GEORGIA

Telephone: 525-7831.

Founded 1881.

President: JOHN A. MIDDLETON.
Registrar: Mrs. ZENOBIA G. TERRY.
Librarian: H. E. CRAIG.

The library contains 13,200 volumes (approx.).
Number of teachers: 67.
Number of students: 998.

NORTH GEORGIA COLLEGE

DAHLONEGA, GEORGIA

Telephone: 864-2516.

Founded 1873.

President: MERRITT E. HOAG.
Registrar: C. M. YAGER.
Librarian: Mrs. SUSIE M. HARRIS.

The library contains 60,275 volumes.
Number of teachers: 53.
Number of students: 953.

OGLETHORPE COLLEGE

ATLANTA, GEORGIA 30319

Telephone: 231-1441.

Founded 1835.

President: PAUL R. BEALL.
Registrar: Mrs. MARJORIE M. MACCONNELL.
Dean of Admissions: Dr. G. C. SEWARD.
Librarian: T. W. CHANDLER, Jr.

The library contains 30,000 volumes.
Number of teachers: 55.
Number of students: 650.

PAINE COLLEGE

AUGUSTA, GEORGIA 30901

Telephone: Area Code 404, 722-4471.

Founded 1883.

President: Dr. E. CLAYTON CALHOUN.
Registrar: Mrs. J. A. RICHARDSON.
Librarian: Miss HELEN GILBERT.

The library contains 35,500 volumes.
Number of teachers: 35.
Number of students: 420.

SAVANNAH STATE COLLEGE

SAVANNAH, GEORGIA

Telephone: 354-5717.

Founded 1891.

President: Dr. HOWARD JORDAN, Jr.
Registrar: B. INGERSOLL.
Librarian: E. J. JOSEY.

The library contains 51,250 volumes.
Number of teachers: 82.
Number of students: 1,400.

SHORTER COLLEGE

ROME, GEORGIA

Telephone: 232-2463.

Founded 1873.

President: Dr. RANDALL H. MINOR.
Registrar: Miss LOUISE THOMPSON.
Librarian: Mrs. LUCELIA B. HENDERSON.

The library contains 36,500 volumes.
Number of teachers: 43.
Number of students: 680.

SPELMAN COLLEGE

350 LEONARD STREET S.W.,
ATLANTA, GEORGIA 30314

Telephone: 688-2148.

Founded 1881.

President: Dr. ALBERT E. MANLEY.
Registrar: Mrs. GRACE J. PERRY.
Librarian: Mrs. MEXICO H. MICKELBURY.

The library contains 14,255 volumes.
Number of teachers: 53.
Number of students: 918.

UNIVERSITY OF GEORGIA

ATHENS, GEORGIA

Telephone: Liberty 3-2511.

Incorporated by Act of General Assembly January 27, 1785, established 1801. First class graduated 1804.

President: OMER C. ADERHOLD, M.S.A., PH.D.
Vice-President: G. S. PARTHEMOS, B.A., M.A., PH.D.
Dean of Faculties: A. B. BISCOE, M.A., PH.D.
Comptroller and Treasurer: J. D. BOLTON, C.P.A.
Registrar and Director of Admissions: W. N. DANNER, Jr., B.S.A.E., M.S.A.
Librarian: W. P. KELLAM, A.B. IN L.S., A.M.

Number of teachers: 836.
Number of students: 10,552.

DEANS:

Students: D. J. SORRELLS, A.B., M.A., ED.D.
Men: W. TATE, M.A.
Women: MARY L. MCBEE, B.S., M.A., PH.D.
Graduate School: G. B. HUFF, B.A., M.A., PH.D.
College of Agriculture: C. C. MURRAY, B.S., M.S., PH.D.
College of Arts and Sciences: J. O. EIDSON, A.B., M.A., PH.D., LITT.D.
College of Business Administration: J. W. BUNTING, B.S., A.M., M.B.A., PH.D.
College of Education: J. A. WILLIAMS, M.S., D.ED.
School of Forestry: A. M. HERRICK, B.S., M.F., PH.D.
School of Home Economics: MARY SPEIRS, M.A., PH.D.
School of Journalism: J. E. DREWRY, B.J., M.A.
School of Law: M. L. COWAN, B.A., LL.B.
School of Pharmacy: K. L. WATERS, A.B., M.S., PH.D.
School of Veterinary Medicine: F. C. DAVISON, D.V.M., PH.D.

VALDOSTA STATE COLLEGE

NORTH PATTERSON STREET,
VALDOSTA, GEORGIA

Telephone: 242-7531.

Founded 1906.

President: J. RALPH THAXTON.
Registrar: Mrs. WILLIAM M. THOMAS.
Librarian: Miss THERA HAMBRICK.

The library contains 50,000 volumes.
Number of teachers: 70.
Number of students: 1,400.

WESLEYAN COLLEGE

MACON, GEORGIA 31201

Telephone: Area Code 912, 743-9331.

Founded 1836.

President: W. EARL STRICKLAND.
Director of Admissions: A. SANDERS.
Librarian: Miss BETTY BRENDER.

The library contains 65,000 volumes.
Number of teachers: 54.
Number of students: 683.

WEST GEORGIA COLLEGE

CARROLLTON, GEORGIA 30117

Telephone: 404-832-7065.

Founded 1933 (senior college status, 1957).

President: Dr. JAMES E. BOYD.
Registrar: Miss ELIZABETH PARKER.
Director of Admissions: Miss HELEN WOMACK.
Librarian: Miss ANNIE B. WEAVER.

The library contains 40,000 volumes (approx.).
Number of teachers: 108 (approx.).
Number of students: 2,220 (approx.).

THE WOMAN'S COLLEGE OF GEORGIA

MILLEDGEVILLE, GEORGIA

Chartered 1889 as Georgia Normal and Industrial College; name changed 1922 to the Georgia State College for Women. Its present name dates from 1961.

President: Dr. ROBERT E. LEE.
Dean of Instruction: D. H. MACMAHON.
Registrar and Director of Admissions: R. L. COX, Jr.
Comptroller: H. A. MEYER.
Dean of Students: JULIA S. DE COLIGNY.

Number of teachers: 64.
Number of students: 1,000.
Publication: *Bulletin.*

HAWAII

CHAMINADE COLLEGE OF HONOLULU

3140 WAIALAE AVENUE,
HONOLULU, HAWAII 96816

Telephone: 701-471.

Founded 1955.

President: Very Rev. ROBERT R. MACKEY, S.M.
Registrar: Bro. H. R. HAMMOND, S.M.
Librarian: Bro. V. STEELE, S.M.

The library contains 30,000 volumes.
Number of teachers: 42.
Number of students: 580.

THE CHURCH COLLEGE OF HAWAII

LAIE, HAWAII

Telephone: 299-211.

Founded 1955.

President: OWEN D. COOK, PH.D.
Registrar: J. H. SPURRIER.
Librarian: D. WALCH.

The library contains 31,000 volumes.
Number of teachers: 70.
Number of students: 950.

UNIVERSITY OF HAWAII

HONOLULU, HAWAII 96822

Established as College of Agriculture and Mechanic Arts 1907. Name changed to College of Hawaii 1911, and to University of Hawaii 1920.

President: THOMAS H. HAMILTON, PH.D.
Vice-President for Academic Affairs: R. W. HIATT, PH.D.
Vice-President for Business Affairs: R. S. TAKASAKI, M.A.
Vice-President for Community Colleges: R. H. KOSAKI, PH.D.
Secretary: W. WILSON, PH.D.
Director of Admissions and Records: E. T. WHITE, M.A.

Number of teachers: 1,534, including 185 full professors.
Number of students: 8,860 men, 7,340 women, total 16,200.
Publications: *Bulletins.*

DEANS:

College of Arts and Sciences: W. T. FURNISS, PH.D.
College of Business Administration: S. D. HOSLETT, PH.D.
College of Education: H. V. EVERLY, PH.D.
College of Engineering: J. W. SHUPE, PH.D.
College of General Studies: E. F. SPELLACY, PH.D.
College of Health Sciences: W. C. CUTTING, M.D., Chairman, Executive Committee.
School of Medicine: W. C. CUTTING, M.D.
School of Public Health: R. K. C. LEE, DR.P.H.
School of Nursing: MARJORIE S. DUNLAP, ED.D.
College of Tropical Agriculture: C. P. WILSON, PH.D.
Graduate Division: W. GORTER, PH.D.
Library Activities: R. R. SHAW, PH.D.
Student Personnel: H. M. BITNER, PH.D.
Summer School: S. SAKAMAKI, PH.D.

IDAHO

COLLEGE OF IDAHO

CALDWELL, IDAHO

Telephone: 459-7411.

Founded 1891.

President: Dr. WARREN B. KNOX.
Registrar: DORIS J. DELURME.
Librarian: R. G. ELLIOTT.

The library contains 55,000 volumes.
Number of teachers: 55.
Number of students: 750.

IDAHO STATE UNIVERSITY

POCATELLO, IDAHO 83201
Telephone: Area Code 208, 233-2160.
Founded 1901.

President: Dr. WILLIAM E. DAVIS.
Registrar: A. B. JONES.
Librarian: E. M. OBOLER.

The library contains 100,000 volumes.
Number of teachers: 267.
Number of students: 4,051.

UNIVERSITY OF IDAHO

MOSCOW, IDAHO
Telephone: TU 3-0110.
Chartered 1889.

President: ERNEST W. HARTUNG, PH.D.
Academic Vice-President: H. W. STEFFENS, PH.D.
Vice-President for Financial Affairs: K. A. DICK, M.B.A., C.P.A.
Registrar: F. L. O'NEILL, M.ED.
Director of Admissions: F. YOUNG, M.S.
Business Manager: J. W. WATTS, B.S. (Business).
Librarian: L. F. ZIMMERMAN, M.A. (L.S.).

Number of teachers: 420.
Number of students: 3,606 men, 1,568 women, total 5,174.

DEANS:

Graduate: M. JACKSON.
Agriculture: J. E. KRAUS, PH.D.
Business Administration: D. D. KENDRICK, PH.D.
Education: E. V. SAMUELSON, ED.D.
Engineering: A. S. JANSSEN, M.S.
Forestry: E. WOHLETZ, M.S.
Law: P. E. PETERSON, J.D.
Mines: R. R. REID, PH.D.
Director of Adult Education and Summer School: R. K. KOOI, PH.D.

ILLINOIS

AUGUSTANA COLLEGE

ROCK ISLAND, ILLINOIS
Founded 1860.

President: CLARENCE W. SORENSEN, PH.D.
Vice-President: Dr. G. B. ARBAUGH.
Librarian: E. ESPELIE.

The library contains 110,000 volumes.
Number of teachers: 83 full-time, 12 part-time, 29 full professors.
Number of students: 1,371.

DEANS:

College of Liberal Arts: Dr. G. B. ARBAUGH.
Women: Miss BETSEY BRODAHL.
Men: Dr. J. C. RIBBECK.
Public Relations: F. F. TELLEEN (Director).
Summer School: Dr. B. ZOBRIST (Director).
Records and Registration: Mrs. LUCILE G. FRYXELL (Director).
Admissions: G. E. HENNING (Director).
Evening School: D. W. PETERSON (Director).
Teacher Placement Bureau: RUTH PUGH (Director).

BARAT COLLEGE OF THE SACRED HEART

LAKE FOREST, ILLINOIS
Telephone: Ce 4-3000.
Founded 1917.

President: Mother MARGARET BURKE.
Dean of Admissions: Mother D. E. TRAYNOR.
Librarian: Mother M. TALLMADGE.

The library contains 47,000 volumes.
Number of teachers: 52.
Number of students: 470.

BLACKBURN COLLEGE

700 COLLEGE AVENUE,
CARLINVILLE, ILLINOIS 62626
Telephone: Area Code 217, 854-3100.
Founded 1857.

President: ROBERT P. LUDLUM, PH.D.
Registrar: C. O. GORDON.
Dean of Admissions: MARY C. COSNER.
Librarian: Mrs. MARION S. CAREY.

The library contains 40,000 volumes.
Number of teachers: 34.
Number of students: 450.

BRADLEY UNIVERSITY

PEORIA, ILLINOIS
Telephone: Peoria 676-7611.
Founded 1897.

President: Dr. TALMAN VAN ARSDALE, Jr.
Executive Vice-President: Dr. A. G. HAUSSLER.
Vice-President for Academic Affairs: Dr. E. R. KUCHEL.
Registrar: Miss RUTH JASS.
Librarian: R. LIGHTFOOT, Jr.

Number of teachers: 235 full-time, 77 part-time.
Number of students: 4,099 full-time, 1,770 part-time.

DEANS:

College of Applied Sciences: Dr. BERYL M. CUNNINGHAM.
Graduate School and Peoria College (Junior College): Dr. W. W. GRIMM.
College of Business Administration: W. A. CLAREY.
College of Education: Dr. L. G. BENT.
College of Engineering: Dr. M. G. ABEGG.
College of Liberal Arts and Sciences: Dr. C. P. HURD.
Students: L. H. TUCKER.

DIRECTORS:

School of Music: Dr. A. CANNON.
School of International Studies: Dr. N. NYARADI.
School of Art: Dr. L. KNORR.
School of Speech Therapy: Dr. A. PAESANI, Jr.

COLLEGE OF ST. FRANCIS

WILCOX AND TAYLOR STREETS,
JOLIET, ILLINOIS 60435
Telephone: 815—726-6228.
Founded 1930.

President: Sister ANITA MARIE.
Registrar: Sister JEAN MARIE.
Librarian: Sister AUREA.

The library contains 58,000 volumes.
Number of teachers: 65.
Number of students: 700.

CONCORDIA TEACHERS COLLEGE

7400 AUGUSTA STREET,
RIVER FOREST, ILLINOIS 60305
Telephone: Area Code 312, River Forest, Ill. 771-8300.
Founded 1864.

President: MARTIN L. KOEHNEKE.
Registrar: W. F. KRUSE.
Librarian: C. J. KUSMIK.

The library contains 70,000 volumes.
Number of teachers: 120.
Number of students: 1,201.

DEPAUL UNIVERSITY

CHICAGO 4, ILLINOIS
Telephone: WE 9-3525.

Chartered as Saint Vincent's College 1898, as DePaul University 1907.

Chancellor: Very Rev. COMERFORD J. O'MALLEY, C.M., S.T.D., LL.D.
President: Very Rev. J. R. CORTELYOU, C.M., PH.D.
Vice-President and Dean of Faculties: Rev. J. T. RICHARDSON, C.M., S.T.D.
Treasurer: Rev. A. L. DUNDAS, C.M., A.M.
Vice-President—Comptroller: J. KOMPARE, J.D.
Vice-President—Student Personnel Services: Rev. T. J. WANGLER, C.M., A.M.
Registrar: E. M. STOUT, A.M.
Librarian: Rev. R. A. BURKE, C.S.V., PH.D.

The library contains 204,000 volumes.
Number of teachers: 420.
Number of students: 8,417.
Publications: *De Paul* (bi-monthly), *De Paulia* (weekly), *Law Review* (half-yearly), *De Paul Studies* (quarterly), *Chemica* (quarterly), *Nite Lite* (monthly)

DEANS:

Arts and Science: Rev. P. O'BRIEN, C.M., M.A., S.T.D.
University College: R. F. FRIES, PH.D.
Commerce: J. A. HART, LL.B., PH.D.
Graduate: Rev. W. CORTELYOU, C.M., S.T.D.
Law: P. ROMITI, J.D.
Music: A. C. BECKER, MUS.D.
Education: W. J. FENELON, PH.D.

EASTERN ILLINOIS STATE UNIVERSITY

CHARLESTON, ILLINOIS
Telephone: DIamond 5-2161.
Telegraphic Address: Charleston, Illinois.
Founded 1895.

President: Dr. QUINCY DOUDNA.

Vice-President for Administration: Dr. W. H. ZEIGEL.
Vice-President for Instruction: Dr. H. F. HELLER.
Registrar: Dr. M. MANBECK.
Librarian: Dr. R. F. SCHAUPP.

Number of teachers: 300.
Number of students: 3,847.
Publication: *Eastern Illinois University Bulletin.*

DEANS:

Professional Education: Dr. M. SCHAEFER.
Graduate School: Dr. L. HAMAND.
Letters and Science: Dr. L. RINGENBERG.

ELMHURST COLLEGE

190 PROSPECT STREET, ELMHURST, ILLINOIS 60126

Telephone: 279-4100.

Founded 1871.

President: DONALD C. KLECKNER.
Registrar: R. W. SWORDS.
Director of Admissions: C. C. SKINNER.
Librarian: P. H. HYLTON.

The library contains 65,000 volumes.
Number of teachers: 75.
Number of students: 1,100 Day Session, 1,100 Evening Session.

EUREKA COLLEGE

EUREKA, ILLINOIS 61530

Telephone: Eureka 740.

Founded 1855.

President: Dr. IRA W. LANGSTON.
Registrar: G. HEARNE.
Librarian: Mrs. ALMA T. STEIDER.

The library contains 45,000 volumes.
Number of teachers: 30.
Number of students: 450.

GEORGE WILLIAMS COLLEGE

5315 S. DREXEL AVENUE, CHICAGO, ILLINOIS 60615

Telephone: Butterfield 8-8910.

Founded 1890.

President: Dr. RICHARD E. HAMLIN.
Registrar: M. R. GEERDES.
Librarian: P. L. KNAPP.

The library contains 35,000 volumes.
Number of teachers: 50.
Number of students: 600.

GREENVILLE COLLEGE

GREENVILLE, ILLINOIS 62246

Telephone: Area Code 618, 664-1840.

Founded 1892.

President: GLENN A. RICHARDSON.
Registrar: C. K. BURGE.
Dean of Admissions: H. J. KROBER.
Librarian: Miss RUBY E. DARE.

The library contains 52,000 volumes.
Number of teachers: 50.
Number of students: 800.

ILLINOIS COLLEGE

JACKSONVILLE, ILLINOIS 62650

Telephone: Area Code 217, 245-7126.

Founded 1829.

President: L. VERNON CAINE.
Dean of Admissions: J. D. DIXSON.
Librarian: C. B. RUSSELL.

The library contains 54,823 volumes.
Number of teachers: 45.
Number of students: 700.

ILLINOIS INSTITUTE OF TECHNOLOGY

CHICAGO, ILLINOIS 60616

Formed 1940 by consolidation of Armour Institute of Technology (founded 1892), Lewis Institute (founded 1896). Affiliated organisations: IIT Research Institute (formerly Armour Research Foundation) (founded 1936) and Institute of Gas Technology (founded 1941).

President: JOHN T. RETTALIATA, D.ENG.
Academic Vice-President: M. A. ELLIOTT, PH.D.
Vice-President and Treasurer: R. J. SPAETH, A.B., M.B.A.
Vice-President for Institutional Development: R. E. NELSON, B.A.
Registrar: F. R. ECKFORD, A.B.
Librarian: W. H. HYDE, M.S.

The library contains 1,000,000 volumes.
Number of teachers: 273 full-time, 300 part-time.
Number of students: 8,133.
Publications: *Bulletins of Illinois Institute of Technology, Research Publications of Illinois Institute of Technology, The Technometer,* miscellaneous research publications.

DEANS:

College of Engineering and Physical Sciences: R. G. OWENS, B.E.E., M.S., PH.D.
College of Liberal Arts: H. O. MAUKSCH, M.A., PH.D.
Graduate School: A. GRAD, M.S., PH.D.
Evening Divisions: K. V. HENNINGEN, M.A.
Dean of Students: T. E. HOGAN, M.A., PH.D.
Admissions: D. A. DUDLEY, B.S.

ILLINOIS STATE UNIVERSITY

NORMAL, ILLINOIS

Founded 1857.

President: ROBERT G. BONE.
Vice-President and Dean of Faculty: A. H. LARSEN.
Vice-President for Administrative Affairs: E. H. JOHNSON.
Director of Admissions and Records: H. J. IVENS.
Librarian: R. R. HERTEL.

Number of teachers: 600.
Number of students: 7,770.
Publication: *Grandest of Enterprises.*

DEANS:

Undergraduate School: F. B. BELSHE.
Graduate School: A. C. HELGESON.
Students: R. E. HULET.
Women: ANNA L. KEATON.
Men: J. W. GILLIS.

ILLINOIS WESLEYAN UNIVERSITY

BLOOMINGTON, ILLINOIS

Chartered 1853.

President: LLOYD M. BERTHOLF, PH.D.
Dean: E. L. WALKER, ED.D.
Business Manager: P. W. KASCH, B.S.
Director of Admissions: L. SHORT, M.ED.
Registrar: J. D. KELLEY, M.S.
Librarian: R. J. FERGUSON, M.S.

Number of teachers: 99.
Number of students (1963-64): 741 men, 692 women, total 1,433.
Publication: *Bulletin* (monthly).

DEANS:

Dean of students: ANNE MEIERHOFER, M.A.
Assistant Dean of Students: D. B. RUTHENBERG, ED.D.

KNOX COLLEGE

GALESBURG, ILLINOIS

Founded 1837.

President: Dr. SHARVY G. UMBECK, A.M., PH.D.
Vice-President for Finance and Treasurer: E. F. JAGOW, B.S. in ED., M.B.A.
Dean of College and Vice-President for Academic Affairs: Dr. H. R. MUELDER, M.A., PH.D.
Dean of Students and Vice-President of Student Affairs: Dr. W. F. PILSBURY, M.C.S., D.C.S.
Librarian: W. M. MORRIS.

Number of teachers: 98, including 16 professors.
Number of students: 650 men, 550 women, total 1,200.
Publications: *Curriculum, The Knox Idea, Directory Report* (financial statement), *Knox Now* (quarterly).

LAKE FOREST COLLEGE

(Corporate title Lake Forest University)

LAKE FOREST, ILLINOIS

Founded 1857.

President: WILLIAM GRAHAM COLE, PH.D.
Provost and Dean of the Faculty: W. L. DUNN, PH.D.
Registrar: RUTH C. VOLPE, M.A.
Business Manager: J. MUNSHOWER.
Librarian: MARTHA BIGGS, M.S.

Number of teachers: 97, including 51 professors.
Number of students: 653 men, 568 women, total 1,221.
Publications: *The Stentor* (weekly), *The Forester* (annual), *Tusitala* (annually).

DEAN:

Students: H. HOOGESTEGER, M.ED.

LEWIS COLLEGE

ROUTE 66-A,
LOCKPORT, ILLINOIS
Telephone: 815-838-0500.
Founded 1930.

President: Bro. L. PAUL, F.S.C.
Registrar: Bro. L. CHRISTOPHER, F.S.C.
Dean of Admissions: Bro. J. ALOYSIUS, F.S.C.
Librarian: Dr. A. V. RYBIANSKY.

The library contains 35,000 volumes.
Number of teachers: 50.
Number of students: 950.

LOYOLA UNIVERSITY

CHICAGO, ILLINOIS

Chartered as St. Ignatius College 1870; incorporated as Loyola University 1909.

President: Very Rev. JAMES F. MAGUIRE, S.J.
Executive Vice-President: Rev. R. W. MULLIGAN, S.J.
Vice-President and Business Manager: T. F. HAWKINS.
Vice-President in Charge of Development: W. D. CONROYD.
Bursar: Bro. M. L. CARRIGAN, S.J.
Treasurer: J. V. MENTAG, S.J.
Registrar: ELIZABETH A. MCCANN.
Librarian: J. C. COX.

The library contains 720,000 volumes.
Number of teachers: 1,009.
Number of students: 11,757.
Publications: *Mid-America, Dialogue, Cadence, Restoration and 18th Century Theatre Research, Loyola University Psychometric Laboratory Bulletin.*

DEANS:

College of Arts and Sciences (Lake Shore): Rev. W. P. KROLIKOWSKI, S.J.
School of Business Administration: Rev. R. BAUMHART.
College of Arts and Sciences (Lewis Towers, co-educational): H. B. RODMAN, S.J.
University College: R. A. MATRE.
Graduate School: Rev. S. E. DOLLARD, S.J.
School of Law: J. C. HAYES.
School of Medicine: Dr. J. F. SHEEHAN.
School of Theology: Rev. J. J. DE VAULT.
School of Dentistry: Dr. W. P. SCHOEN, Jr.
School of Social Work: M. H. SCHOENBAUM.
School of Nursing: GLADYS M. KINIERY.
Men: H. L. MCCLOSKEY.
Women: MARIETTE LE BLANC.
Institute of Social and Industrial Relations: Dr. J. REZLER (Director).
Home Study: MARY L. MCPARTLIN (Director).
Parmly Hearing Institute: P. MILLS (Director).
Institute of Urban Life: J. M. DUCEY (Director).

MACMURRAY COLLEGE

JACKSONVILLE, ILLINOIS

MacMurray College for Women, f. 1846; MacMurray College for Men, f. 1955; now a co-ordinate college.

President: Dr. GORDON E. MICHELSON, M.A., B.D., PH.D.
Business Manager: E. C. SMITH, M.A.
Director of Admissions: N. C. AYERS, A.B.
Librarian: VICTORIA HARGRAVE, M.A.

Number of teachers: 70, including 16 professors.
Number of students: 962.
Publications: *MacMurray College Greetings, Highland Times, MacMurray Columns, Alumni Bulletin.*

DEANS:

College: W. S. DYSINGER, M.A., PH.D.
Faculty: C. L. KANATZAR, M.S., PH.D.
Students: D. E. LONG, M.S.ED., D.ED.
Women: MARJORIE GUSTAFSON, A.B., M.A.

MARYKNOLL SEMINARY

GLEN ELLYN, ILLINOIS 60137
Telephone: (312) 469-4500.
Founded 1949.

President: Very Rev. CHARLES H. CAPPEL.
Registrar: Rev. T. A. PEYTON.
Librarian: P. G. WILLIAMS.

The library contains 38,000 volumes.
Number of teachers: 35.
Number of students: 400.

MILLIKIN UNIVERSITY

DECATUR, ILLINOIS
Founded 1901.

President: PAUL L. MCKAY.
Vice-President and Dean: E. CARLSON.
Registrar: W. GRAY.
Librarian: M. BOATMAN.

Number of students: 1,500.
Publications: *Millikin University Alumni Bulletin* (quarterly), *Meet Millikin* (quarterly), *The Decaturian* (weekly).

DEANS:

College of Arts and Sciences: C. A. DENNIS.
School of Music: J. R. MILLER.
School of Business and Industrial Management: G. R. SMITH.
Student Affairs: B. L. KERNS.

MONMOUTH COLLEGE

700 EAST BROADWAY,
MONMOUTH, ILLINOIS 61462
Telephone: Area Code 309, 734-3161.
Founded 1853.

President: Dr. DUNCAN WIMPRESS.
Registrar: Miss MARGARET BESTE.
Librarian: H. HAUGE.

The library contains 89,616 volumes.
Number of teachers: 85.
Number of students: 1,100 (approx.).

MUNDELEIN COLLEGE

6363 SHERIDAN ROAD,
CHICAGO, ILLINOIS 60626
Telephone: 262-8100.
Founded 1931.

President: Sister M. ANN I. GANNON, B.V.M.
Registrar: Sister M. ARTEMAS KAMMERER, B.V.M.
Librarian: Sister M. CLARA BORMANN, B.V.M.

The library contains 59,000 volumes.
Number of teachers: 90.
Number of students: 1,220.

NATIONAL COLLEGE OF EDUCATION

2840 SHERIDAN ROAD,
EVANSTON, ILLINOIS
Telephone: GReenleaf 5-0221.
Founded 1886.

President: K. RICHARD JOHNSON, PH.D.
Registrar: R. HARTMAN.
Director of Admissions: R. CHRISTENSEN.
Librarian: Miss MARY-LOUISE NEUMANN.

The library contains 46,147 volumes.
Number of teachers: 64 full-time, 18 part-time.
Number of students: 500 undergraduate, 400 graduate.

NORTH CENTRAL COLLEGE

30 N. BRAINARD,
NAPERVILLE, ILLINOIS
Telephone: (312) 355-5500.
Founded 1861.

President: Dr. ARLO L. SCHILLING.
Director of Admissions: L. BOULDIN.
Librarian: (Vacant).

The library contains 86,544 volumes.
Number of teachers: 64.
Number of students: 896.

NORTH PARK COLLEGE AND THEOLOGICAL SEMINARY

5125 NORTH SPAULDING AVE.,
CHICAGO, ILLINOIS 60625
Telephone: Area Code 312, 583-2700.
Founded 1891.

President: Dr. KARL A. OLSSON.
Director of Records: R. A. VANN.
Director of Admissions: J. E. LUNDEEN (acting).
Librarian: Miss BETTY J. HIGHFIELD.

The library contains 50,000 volumes.
Number of teachers: 60 full-time, 16 part-time.
Number of students: 1,100.

NORTHERN BAPTIST THEOLOGICAL SEMINARY

100 WEST BUTTERFIELD ROAD,
OAK BROOK, ILLINOIS 60523
Telephone: Area Code 312, 629-4100.
Founded 1913.

President: Dr. BRYAN F. ARCHIBALD.

Registrar: Mrs. ADA HUFTON.
Librarian: RUTH M. GRAY.

The library contains 59,539 volumes.
Number of teachers: 13.
Number of students: 103.

NORTHERN ILLINOIS UNIVERSITY
DEKALB, ILLINOIS

Founded 1895.

President: LESLIE A. HOLMES.
Executive Vice-President and Provost: F. R. GEIGLE.
Administrative Assistant to the President: A. C. MUNS.
Vice-President for Student Personnel: E. E. HANSON.
Director, Bureau of University Research: C. W. BRIM.
Director, Business Services: Z. H. DORLAND.
Director, Regional Services: W. P. FROOM.
Librarian: BERNADINE C. HANBY.

The library contains 254,000 volumes.
Number of students: 14,200.

DEANS:

Graduate School: W. MCILRATH.
Evening College: V. ALEXANDER.
College of Business: R. L. THISTLETHWAITE.
College of Education: R. F. TOPP.
College of Fine and Applied Arts: W. WHYBREW.
College of Liberal Arts and Sciences: R. BOWERS.

NORTHWESTERN UNIVERSITY
EVANSTON AND CHICAGO, ILLINOIS

Founded 1851.

President: J. ROSCOE MILLER, M.D., LL.D., D.SC.
Vice-President and Dean of Faculties: P. S. WILD, PH.D., LL.D.
Vice-President and Business Manager: W. S. KERR.
Vice-President (Planning and Development): F. M. KREML, LL.B.
Registrar: KATHARINE GEORGE, B.A.
Librarian: J. NYHOLM, M.A.

Library: *see* Libraries.
Number of faculty (full-time): 817.
Number of students (full-time): 6,409 men, 3,329 women, total 9,738.
Publications: *Northwestern University Law Review* (bi-monthly), *Journal of Criminal Law, Criminology and Police Science* (bi-monthly), *Dental Research and Graduate Study Bulletin* (twice a year), *Northwestern Engineer* (four times a year), *Northwestern University Medical School Magazine* (quarterly), *Tri-Quarterly* (three times a year).

DEANS:

Graduate School: R. H. BAKER, PH.D.
Dental School: G. W. TEUSCHER, M.S.D., D.D.S., PH.D.
Medical School: R. H. YOUNG, M.D.
School of Business: J. A. BARR, LL.B.
School of Education: B. J. CHANDLER, ED.D.
School of Journalism: IRA W. COLE, M.S.
School of Law: J. RITCHIE III, B.S., LL.B., J.S.D.
School of Music: G. HOWERTON, M.A., PH.D.
School of Speech: J. H. MCBURNEY, PH.D., LITT.D.
Technological Institute: H. B. GOTAAS, SC.D.
Evening Divisions: D. R. LANG.
Students: J. C. MCLEOD, D.D.
College of Arts and Sciences: S. E. LELAND, PH.D., LL.D.
Summer Session: W. C. BRADFORD, PH.D.
Admissions: R. J. HINZ, M.A.

PROFESSORS:

ALT, H., M.D., PH.D., Medicine
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Mintzer, D., Ph.D., Mechanical Engineering
Mitchell, L., Ph.D., Dramatic Production
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Moses, L. N., Ph.D., Economics
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Myers, J. H., Ph.D., Accounting
Myers, K. H., Ph.D., Industrial Management
Myklebust, H. R., M.A., Ed.D., Language, Pathology and Psychology
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Noll, H., Ph.D., Biological Sciences
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O'Neil, J. T., Ph.D., Business Administration
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Overbeck, C. J., Ph.D., Physics
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Pearson, R. G., Ph.D., Chemistry
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Perry, E., Ph.D., History and Literature of Religions
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Priest, W. S., M.S., M.D., Medicine
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Schoenbaum, S., Ph.D., English
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Schwartz, S. O., M.D., M.S., Medicine
Schwerin, K., M.S.Sc., Ph.D., Law
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Scott, W. B., Jr., Ph.D., Dramatic Literature
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Sowle, C. R., J.D., Law
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Springer, G., M.D., Microbiology
Stakgold, I., Ph.D., Engineering Science and Mathematics

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SUTTON, A. A., PH.D., Journalism
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SWANSON, L. W., PH.D., Quantatitive Methods
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TOU, J. T., D.ENG., Electrical Engineering
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VIVAS, E., PH.D., Philosophy
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WAIS, F. T., D.D.S., M.S.D., Endodontics
WALTZ, J. R., B.A., LL.B., Law
WANG, H. C., PH.D., Mathematics
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WELLS, J. A., PH.D., M.D., Pharmacology
WESTFALL, R. L., PH.D., Marketing
WESTLAKE, H., PH.D., Speech Correction
WHITING, F. M., Jr., M.S.J., Journalism
WHITMORE, D. H., Jr., PH.D., Materials Science
WHITTEN, E. H. T., PH.D., Geology
WIEBE, R. H., PH.D., History
WILD, P. S., PH.D., Political Science
WILLIAMSON, H. L., PH.D., Economics
WINCH, R. F., PH.D., Sociology
WITTY, P. A., PH.D., Education
WOLFF, H., PH.D., African Language and Linguistics
WOLFSON, A., PH.D., Biological Sciences
WRAGE, E. J., PH.D., Public Address and Group Communication
YACORZYNSKI, G. K., PH.D., Psychiatry and Neurology
YOUMANS, G. P., PH.D., M.D., Bacteriology
YOUNG, T. H., M.D., Medicine
YOUNG, R. A., PH.D., Political Science
ZAKON, S. J., M.D., Dermatology
ZELINSKY, D., PH.D., Mathematics
ZELLER, E. A., M.D., PH.D., Biochemistry

OLIVET NAZARENE COLLEGE

P.O. BOX 592,
KANKAKEE, ILLINOIS
Telephone: Area Code 815, 933-3344.
Founded 1907.

President: HAROLD W. REED.
Registrar: W. BENNETT.
Dean of Admissions: N. MOORE.
Librarian: Miss RUTH GILLEY.

The library contains 60,000 volumes.
Number of teachers: 78.
Number of students: 1,400.

PRINCIPIA COLLEGE

ELSAH, ILLINOIS 62028
Telephone: Alton Exchange, Area 618, 466-2131.
Founded 1898.

President: DAVID K. ANDREWS.
Registrar: Mrs. PHYLLIS M. KLEHM.
Dean of Admissions: W. R. RATZ.
Librarian: Mrs. DOROTHY B. ROESKE.

The library contains 82,000 volumes.
Number of teachers: 59.
Number of students: 620.

QUINCY COLLEGE AND SEMINARY

1831 COLLEGE AVENUE,
QUINCY, ILLINOIS 62301
Telephone: 222-8020.
Founded 1859; Chartered in 1873.

President: Rev. GABRIEL BRINKMAN, O.F.M.
Registrar: Bro. M. SCHULGEN, O.F.M.
Dean of Admissions: J. QUINN.
Librarian: Rev. J. LANG, O.F.M.

The library contains 120,000 volumes.
Number of teachers: 95.
Number of students: 1,200.

ROCKFORD COLLEGE

ROCKFORD, ILLINOIS
Women's College founded 1847, Men's College founded 1955, Co-educational 1959.

President: JOHN A. HOWARD, M.A., PH.D.
Vice-President for Development: J. SPENCE, B.A.
Director of Admissions: R. HEWITT, B.A., B.D.
Dean of Faculty: W. D. BAKER, M.A., PH.D.
Librarian: D. W. PALMER, M.S.

Number of teachers: 39, including 16 professors.
Number of students: 240 women, 240 men, total 480.
Publications: *Bulletin, Education for Living, Information Pamphlet, Synapse.*

ROOSEVELT UNIVERSITY

430 SOUTH MICHIGAN AVENUE,
CHICAGO, ILLINOIS 60605
Telephone: WAbash 2-3580.
Founded 1945.

President: ROLF A. WEIL, PH.D.
Controller: D. KLEINERMAN, C.P.A., M.B.A.
Registrar: LOIS KAHAN, B.A.
Librarian: MARJORIE C. KEENLEYSIDE, M.A.

The library contains 160,000 volumes.
Number of teachers: 330 (180 full-time and 150 part-time).
Number of students: 6,531.
Publications: *Business and Society, Annual Catalogs, Say.*

DEANS:

Faculties: T. P. KAWALEK, PH.D.
Graduate Division: P. B. JOHNSON, PH.D.
College of Arts and Science: O. WIRTH, PH.D.
College of Business Administration: B. WORKS, M.B.A.
Chicago Musical College: J. CREANZA, M.A.
Students: G. H. WATSON, PH.D.

ROSARY COLLEGE

RIVER FOREST, ILLINOIS
Founded 1848.

President: Sister M. AURELIA, O.P., PH.D.
Dean of Studies: Sister M. ANNA, O.P., M.A.
Dean of Women: Sister M. MARGARITA, O.P., PH.D.
Registrar: Sister M. LIAM, O.P., A.B.
Business Officer: Sister M. BRIGIDA, O.P., B.A.
Director of Admissions: Sister M. MARGIT, O.P., M.A.

The library contains 91,000 volumes.
Number of faculty members: 87.
Number of students: 1,048.

ST. PROCOPIUS COLLEGE

LISLE, ILLINOIS 60532
Telephone: Area Code 312, 968-7270.
Founded 1885.

President: Rev. ROMAN S. GALIARDI, O.S.B.
Registrar: T. BOMKAMP.
Dean of Admissions: Rev. Z. M. HRISKO, O.S.B.
Librarian: Rev. A. E. HRDLICKA, O.S.B.

The library contains 60,000 volumes (approx.).
Number of teachers: 69.
Number of students: 758.

SAINT XAVIER COLLEGE

103RD AND CENTRAL PARK AVENUE,
CHICAGO, ILLINOIS 60655
Telephone: PR9-3300.
Founded 1847.

President: Sister MARY OLIVIA, R.S.M.
Director of Admissions: Sister MARY CHARLOTTE.
Librarian: Sister MARY VIANNEY.

The library contains 76,000 volumes.
Number of teachers: 87.
Number of students: 826 full-time.

SCHOOL OF THE ART INSTITUTE OF CHICAGO

MICHIGAN AVENUE AT ADAMS STREET,
CHICAGO, ILLINOIS 60603
Telephone: CE 6 7080.
Founded 1869.

President: WILLIAM M. BLAIR.
Registrar: J. R. DUNCAN.

Librarian: RUTH SCHONEMAN.

The library contains 75,500 volumes.
Number of teachers: 90.
Number of students: 800.

SHIMER COLLEGE

MOUNT CARROLL, ILLINOIS

Telephone: Area Code 815, 244-2922.

Founded 1853.

President: F. JOSEPH MULLIN.
Registrar: J. M. GREEN.
Librarian: MARGUERITE P. MCBRIDE.

The library contains 22,000 volumes.
Number of teachers: 30.
Number of students: 418.

SOUTHERN ILLINOIS UNIVERSITY

CARBONDALE, ILLINOIS
Telephone: 453-2211.
EDWARDSVILLE, ILLINOIS
Telephone: 656-3970.

Founded 1869.

President: DELYTE W. MORRIS, PH.D.
Vice-President for Planning and Review: C. D. TENNEY, PH.D.
Vice-President for Academic Affairs: R. W. MACVICAR, PH.D.
Vice-President for Business Affairs: J. S. RENDLEMAN, J.D.
Registrar (Carbondale): R. A. MCGRATH, PH.D.
Registrar (Edwardsville): J. H. SCHNABEL, ED.D.
Librarian (Carbondale): R. E. MCCOY, PH.D.
Librarian (Edwardsville): J. C. ABBOTT, PH.D.

Number of teachers: 1,330, including 209 full professors.

Number of students: 13,454 men, 7,017 women, total 20,471.

Publications: *The Obelisk* (annual), *The Egyptians* (five times a week), *The Muse* (annual), *Alestle* (weekly), *The Southern Alumnus* (quarterly).

DEANS (CARBONDALE):

Graduate School: D. T. KENNEY, PH.D. (acting).
College of Education: E. J. CLARK, PH.D.
College of Liberal Arts and Sciences: H. D. PIPER, PH.D.
School of Agriculture: W. E. KEEPPER, PH.D.
School of Business: R. E. HILL, PH.D.
School of Communications: C. H. TALLEY, PH.D.
School of Fine Arts: B. H. SHRYOCK, M.A.
School of Home Economics: EILEEN E. QUIGLEY, ED.D.
School of Technology: J. H. LAUCHNER, PH.D.
University Extension: R. H. DEY, ED.D.
Technical and Adult Education: E. J. SIMON, M.S.

DEANS (EDWARDSVILLE):

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Science and Technology Division: K. G. CLEMANS, PH.D.
Social Sciences Division: R. B. CAMPBELL, PH.D.

THE UNIVERSITY OF CHICAGO

CHICAGO 37, ILLINOIS

Telephone: MIdway 3-0800.

Incorporated in 1857 as the first University of Chicago, and in 1890 as the University of Chicago (at the present site).

President: GEORGE W. BEADLE.
Provost: E. H. LEVI.
Vice-President for Administration: J. J. RITTERSKAMP.
Vice-President for Special Projects: W. B. HARRELL.
Vice-President: L. T. COGGESHALL.
Vice-President in charge of Special Scientific Programmes: W. C. JOHNSON.
Vice-President for Planning and Development: R. F. O'BRIEN.
Assistant to the Provost and Academic Budget Officer: L. K. OLSEN.
Assistant to the President: J. M. SHELDON, Jr.
Treasurer: J. P. HALL.
Bursar: A. W. GIESEMAN.
Registrar: Mrs. MAXINE L. SULLIVAN.
Comptroller: (Vacant).
Director of University Admissions and Aid: C. D. O'CONNELL, Jr.

Library: *see* Libraries.
Number of teachers: 945.
Number of students (Spring 1964): 7,648.

DEANS:

The College: W. C. BOOTH.
School of Business: G. P. SHULTZ.
Divinity School: J. C. BRAUER.
Graduate Library School: D. R. SWANSON.
Law School: P. C. NEAL.
School of Medicine: H. S. BENNETT.
School of Social Service Administration: A. A. LINFORD.
Graduate School of Education: R. F. CAMPBELL.
Students: W. A. WICK.
Biological Sciences: H. S. BENNETT.
Humanities: R. E. STREETER.
Physical Sciences: A. A. ALBERT.
Social Sciences: D. G. JOHNSON.

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Oriental Institute: R. ADAMS.
University Press, Publications Department: R. W. SHUGG.
University Libraries: H. H. FUSSLER.

PROFESSORS:

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ADAMS, W. E., M.D., Surgery
ADAMS, W., M.D., Medicine
ALBERT, A. A., PH.D., Mathematics
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ALLEN, F., LL.B., J.S.D. (HON.), Law
ALLISON, S. K., PH.D., Physics, Nuclear Studies
ANDERS, E., PH.D., Chemistry
ANDERSON, C. A., PH.D., Education
ANDERSON, H. L., PH.D., Physics, Nuclear Studies
ANDERSON, J. K., B.S., Physical Education
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BALLWEBBER, EDITH, A.M., Physical Education
BARCLAY, Dr. W., M.D., Medicine
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BRAHAM, R., Jr., S.M., PH.D., Geophysical Sciences
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Einarson, B., PH.D., Classics
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Grant, R. M., TH.D., Divinity School
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Hess, E. H., PH.D., Psychology
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Krahl, M. E., PH.D., Physiology
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Law, Dr. J., PH.D., Biochemistry
Leites, N., PH.D., Political Science
LeRoy, G. V., M.D., Medicine
Levi, E. H., PH.B., J.D., J.S.D., Law
Levi, J., PH.D., J.D., Urban Studies
Levi-Setti, R., PH.D., Physics—Enrico Fermi Institute
Lewert, R. M., SC.D., Microbiology
Lewis, H. G., PH.D., Economics
Lewontin, R. C., PH.D., Zoology
Liddell, L., A.B., B.L.S., LL.B., Law
Lindsay, J. R., M.D., Surgery
Linford, A. A., PH.D., Social Service Administration
Loomer, B. M., PH.D., Divinity School
Lorie, J. H., A.M., PH.D., Business
Lowinsky, E. E., PH.D., Music
Lucas, J. D., LL.M., Law
McCartney, C. P., M.D., Obstetrics and Gynæcology
McCleary, R. A., PH.D., Psychology and Physiology
McClure, D., PH.D., Chemistry
McDavid, R. I., PH.D., English
McIlrath, W. J., PH.D., Botany
Macdonald, Mary E., PH.D., Social Service Administration
McKeon, R. P., PH.D., LITT.D., Classics, Philosophy
MacLane, S., PH.D., Mathematics
Maclean, N. F., PH.D., English Humanities
McLean, H., PH.D., Slavic Language and Literature
Mackauer, C. W., History
McNeill, W. H., PH.D., History
McQuown, N. A., PH.D., Anthropology; Linguistics
MacRae, D., A.B., A.M., PH.D., Political Science
Mahdi, M., PH.D., Oriental Languages and Literature
Manderfled, Viola, A.M., Germanics
Marks, Rachel, PH.D., Social Service Administration
Marriott, McK., M.A., PH.D., Anthropology, College
Maser, E. A., PH.D., Art
Matlaw, R. E., PH.D., Slavic Languages
Mayer, H. M., PH.D., Geography
Mehlberg, H., PH.D., Philosophy
Meier, P., PH.D., Statistics
Menguy, Dr. R., M.D., PH.D., Surgery, Physiology
Mentschikoff, S., A.B., LL.B., Law
Meltzer, B. D., J.D., LL.M., Law
Metcalf, G J., PH.D., Germanic Languages
Metzler, L. A., PH.D., Economics
Meyer, G., D.SC., Economics, College
Meyer, L. B., PH.D., Music
Meyer, L., DR. ING., Metals and Chemistry
Meyer, P., PH.D., Physics—Enrico Fermi Institute
Meyer, W. H., PH.D., Mathematics
Miller, J. E., M.A., PH.D., English
Miller, M. H., PH.D., Business
Miller, R., PH.D., Geophysical Sciences
Moore, R. D., M.D., Orthopædics
Morgan, W. W., PH.D., Astronomy
Morgenthau, H. J., J.D., Political Science
Morris, N. R., LL.M., PH.D., Law
Morrisette, B. A., PH.D., Romance Languages and Literature
Moscona, A. A., PH.D., Zoology
Moseley, R. D., Jr., M.D., Radiology
Moulder, J. W., PH.D., Microbiology
Moulder, P. V., M.D., Surgery
Mullan, J. F., M.B., B.CH., F.R.C.S., Surgery
Mulliken, R. S., PH.D., SC.D., Chemistry
Muth, R., M.A., PH.D., Business
Nachtrieb, N. H., PH.D., Chemistry, Metals
Nambu, Y., PH.D., Physics, Nuclear Studies
Nash, M., PH.D., Business
Naunton, R., L.R.C.P., M.B.B.S., Surgery
Neal, P. C., LL.B., Law

NEDELSKY, L., PH.D., College
NEF, J. U., PH.D., Social Thought; Economics; History
NERLOVE, S. H., A.M., Business
NEUGARTEN, BERNICE, M.A., PH.D., Human Development
NEWELL, F. W., SC.M., M.D., Surgery
NORTHCOTT, K., M.A., Germanic Languages and Literature
OAKS, D., J.D., Law
OEHME, R., PH.D., Physics and Nuclear Studies
OLMSTED, C. E., PH.D., Botany
OLSON, E., PH.D., English
OLSON, E. C., PH.D., Geophysical
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Yerkes Astronomical Observatory: Lake Geneva, Williams Bay, Wisconsin; established 1897.

Director: (Vacant).

UNIVERSITY OF ILLINOIS

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Telephone: Urbana 333-1000.

Chicago Circle Campus WH 4-3800.
Medical Center, Chicago 663-7000.
Chartered 1867.

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Number of students (1964-65): 27,481 men, 12,201 women, total 39,682.

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Mechanical Engineering:

Bareither, H. D.
Broghamer, E. L.
Chao, Bei Tse.
Chow, Wen Lung
Doyle, L. E.
Greffe, C. D.
Harper, G. W.
Hebrank, E. F.
Henry, J. A.
Hull, W. L.
Konzo, S.
Korst, H. H.
Leach, J. L.
Luke, E. D.
Martin, R. J.
Miles, J. C.
Parker, N. A.
Pigage, L. C.
Radzimovsky, E. I.
Ryan, D. G.
Seyfarth, F.
Soo, Shao Lee
Stoecker, W. F.
Trigger, K. J.

Mining and Metal Engineering:

Beck, P. A.
Birnbaum, H. K.
Bohl, R. W.
Bruckner, W. H.
De Witte, A. J.
Eckel, E. J.
Gilman, J. J.
Lieberman, D. S.
Metzger, M.
Read, T. A.
Ricketts, B. G.
Risser, H. E.
Rose, W. D.
Rowland, T. J., Metallurgy
Scheidegger, A. E.
Street, N.
Thomson, R. M.
Wayman, C. M.
Wert, C. A., Metallurgy
Wright, F. D.

Nuclear Engineering:

Adler, F. T.
Bohl, R. W.
Boresi, A. P.
Chao, Bei Tse
Chilton, A. B.
Wyman, M. E.

Physics:

Adler, F. T.
Allen, J. S.,
Almy, G. M.
Alpert, D.
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Axel, P.
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Brown, R. M.
Compton, W. D.
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Gilman, J. J.
Goldwasser, E. L.
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Kadanoff, L. P.
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Kruse, U. E.
Lavatelli, L. S.
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NOVAK, M. V., Microbiology
OLDBERG, E., Neurology and Neurological Surgery
O'NEILL, J. J., Audiology
OSTFELD, A. M., Preventive Medicine
PLAGGE, J. C., Anatomy
POLLOCK, F. J., Otolaryngology
RAY, R .D., Orthopædic Surgery
REYNOLDS, S. R. M., Anatomy
ROBERG, N. B., Medicine
ROSENTHAL, I. M., Pædiatrics
ROSENTHAL, S. R., Preventive Medicine
ROSTENBERG, A., Jr., Dermatology
SABSHIN, M., Psychiatry
SADOVE, M. S., Surgery—Anæsthetics
SAMTER, M., Medicine
SCHMIDT, A. J., Anatomy
SCHULMAN, I., Pædiatrics
SCHULMAN, M. P., Pharmacology
SHAUGHNESSY, H. J., Public Health
SHERROD, T. R., Pharamcology
SIMER, P. H., Anatomy
SKOLNIK, E. M., Otolaryngology
SMITH, C. M., Pharmacology
SOBOROFF, B. J., Otolaryngology
STANLEY, M. M., Medicine
STARK, L., Physiology
STERN, K., Pathology
SUGAR, O., Neurology and Neurological Surgery
UNNA, K. R., Pharmacology
WALTERS, O. S., Psychiatry
WHITEHORN, W. V., Physiology
WOLF, A. V., Physiology

College of Dentistry:
ANDERSON, A. G., Oral Surgery
BARBER, T. K., Pedodontics
BAZOLA, F. N., Fixed Partial Prosthodontics
BRODIE, A. G., Orthodontics
DUBRUL, E. L., Oral Anatomy
ENGEL, M. B., Orthodontics
GILLETTE, R., Histology
GRAND, N. G., Oral Pathology
JAMES, V. E., Histology
KURTZ, T. B., Operative Dentistry
LASKIN, D. M., Oral Surgery
MASSLER, M., Pedodontics
MAURICE, C. G., Applied Materia Medica and Therapeutics
MEDAK, H., Oral Pathology
PRUZANSKY, S., Orthodontics
RENFROE, E. W., Orthodontics
SKUPA, A. J., Clinical Dentistry
SPENCE, J. M., Operative Dentistry
UNDERWOOD, R., Prosthodontics
WALLACE, D. A., Radiology
YALE, S. H., Radiology

College of Pharmacy:
BARNOTHY, MADELEINE, Physics in Pharmacological Chemistry
BAUER, L., Chemistry
BLAKE, M. I., Pharmacy
DANIELS, R., Chemistry
DEARDROFF, D. L., Manufacturing Pharmacy
GEARIEN, J. E., Chemistry
KIRCH, E. R., Chemistry
PERKINS, A., Pharmacology
SMITH, A. W., Pharmacognosy
VOIGT, R. F., Pharmacognosy
WEBSTER, G. L., Chemistry

Illustrations Studios:
GOODWIN, A. H., Medical and Dental Illustration

College of Nursing:
MULLANE, M. K.

WESTERN ILLINOIS UNIVERSITY

MACOMB, ILLINOIS

Telephone: 833-4511.

Telegraphic Address: Macomb, Illinois.

Founded 1899.

President: A. L. KNOBLAUCH.

Academic Dean: E. FOREMAN.

Director of Admissions: W. C. STEVENS.
Registrar: DOLORES KATOR.
Librarian: D. S. MACVEAN.

Number of teachers: 353.

Number of students: 5,430 university students plus 534 in Campus School, grand total 5,964.

Publications: *General Catalog, Graduate Catalog, Summer Sessions Bulletin.*

DEANS:

School of Arts and Sciences: (Vacant).
School of Education: F. P. ABEL.
School of Graduate Studies: J. H. SATHER.
Student Personnel Services: G. R. SCHWARTZ.
Summer Session: C. E. CRANE.

WHEATON COLLEGE

WHEATON, ILLINOIS

Founded 1860.

President: Dr. V. RAYMOND EDMAN, PH.D., LL.D., D.D.
Provost: Dr. H. T. ARMERDING, PH.D.
Registrar: Dr. E. C. DYRNESS, A.M., LL.D.
Business Manager: H. G. FAULKNER.
Dean: Dr. J. H. FADENRECHT, ED.D.
Director of Admissions: Dr. C. W. SCHOENHERR, PH.D.
Director of Conservatory: E. A. CORDING, B.S.
Librarian: R. A. GOLTER, M.S. IN L.S.

Number of teachers: 148, including 46 professors.

Number of students: 982 men, 902 women, total 1,884 (enrolment ceiling of 1,700 full-time equivalents).

Publications: *Bulletin* (8 times a year), *Kodon, Record, Tower* (year book).

DEANS:

Students: Dr. R. F. GROSS, PH.D.
Women: Mrs. JEAN R. KLINE, A.M.
Graduate School: Dr. M. C. TENNEY, TH.B., PH.D.
Director of Nursing: Miss MARY MITCHELL, R.N., A.M.

INDIANA

BALL STATE UNIVERSITY

MUNCIE, INDIANA 47306

Telephone: 289-1241.

Founded 1918.

President: Dr. JOHN R. EMENS.
Registrar: Dr. L. M. HAUPTMAN.
Librarian: Dr. MARION GRADY.

The library contains 251,556 volumes; subscribes to 1,952 periodicals.

Number of teachers: 341 full-time, 45 part-time.

Number of students: 10,066.

BUTLER UNIVERSITY

INDIANAPOLIS 7, INDIANA

Telephone: Atwater 3-1343.

Chartered as North-Western Christian University, a joint stock company, 1849; name changed to Butler University 1877.

President: ALEXANDER JONES.
Bursar: R. W. GLADDEN.
Registrar: R. E. CAWTHORNE.
Librarian: H. BOISEN.

Number of teachers: 240.

Number of students: 5,093.

DEANS:

Arts and Sciences: D. M. SILVER.
Business Administration: D. R. ROBERTS.
Education: J. H. WALSH.
Pharmacy: K. L. KAUFMAN.
Summer Session: C. T. MOCAS.
Christian Theological Seminary: B. A. NORRIS (Dean).
Men: H. SCHWOMEYER.
Women: ELIZABETH WARD-DURFLINGER.

DEPAUW UNIVERSITY

GREENCASTLE, INDIANA

Chartered 1837 as Indiana Asbury University, name changed 1883.

President: WILLIAM E. KERSTETTER, B.A., S.T.B., PH.D., LL.D., L.H.D.
Comptroller: D. W. SMYTHE.
Registrar: V. T. WILLIAMS, B.A.
Librarian: J. A. MARTINDALE, M.A.L.S.

The library contains 152,754 volumes.

Number of teachers: 192.

Number of students (1963–64 report): 1,258 men, 1,206 women, total 2,464.

Publication: *Bulletin* (annual), *DePauw Today* (quarterly).

DEANS:

University: R. H. FARBER, ED.D.
Music: M. S. TRUSLER, PH.D. (Director).
Students: L. A. RIGGS, M.A., ED.D.
Director of Admissions: L. J. FONTAINE, M.S.

EARLHAM COLLEGE

RICHMOND, INDIANA

Founded 1847.

President: LANDRUM R. BOLLING.
Business Manager: H. C. COPE.
General Secretary: J. BEEDE.
Librarian: E. FARBER.

Number of teachers: 78, including 23 professors.

Number of students: 583 men, 474 women, total 1,057.

Publications: *Earlhamite, Earlham Report* (quarterly), *Earlham Post* (weekly), *Crucible* (biennial by students), *Sargasso* (annual by students), *Earlham College Bulletin* (annual).

DEANS:

College: J. E. ELMORE.
Students: E. G. CURTIS.

EVANSVILLE COLLEGE

EVANSVILLE 4, INDIANA

Founded 1854.

President: Dr. MELVIN W. HYDE.
Registrar: K. H. JONES.
Business Manager: R. OLMSTED.
Librarian: Dr. T. S. HARDING.

Number of teachers: 121, including 30 professors.

Number of students: Day: 1,331 men, 810 women; total 2,141; Evening Division: 824 men, 444 women, total 1,268.

Publicatoins: *The Crescent*

DEANS:

Admissions: T. B. PATBERG.
College: Dr. N. C. BROWN.
Evening Division: Dr. M. HARTIG.
Men: Dr. J. E. MORLOCK.
Women: Dr. VIRGINIA GRABILL.
Students: Dr. R. V. THOMPSON.

GOSHEN COLLEGE

GOSHEN, INDIANA 46526

Telephone: 533-3161.

Founded 1894.

President: PAUL MININGER.
Registrar: W. F. MILLER.
Librarian: J. CLEMENS.

The library contains 87,000 volumes.

Number of teachers: 68.

Number of students: 912.

HANOVER COLLEGE
(Presbyterian)

HANOVER, INDIANA

First instruction 1827; Chartered 1829.

President: JOHN E. HORNER, A.B., M.A., PH.D.
Dean of College: H. J. HAVERKAMP, A.B., M.A., PH.D.
Dean of Women: LAURA L. NORRIS, M.S.
Dean of Men: G. L. BONSETT, B.S., M.S., D.P.E.

The library contains 74,000 volumes.

Number of teachers: 61.

Number of students: 1,000.

HUNTINGTON COLLEGE

HUNTINGTON, INDIANA

Telephone: 356-6000.

Founded 1897.

President: Dr. E. DEWITT BAKER.
Director of Admissions: R. E. MYERS.
Librarian: Miss E. FAYE CONNOR.

The library contains 32,230 volumes.

Number of staff: 39.

Number of students: 600.

INDIANA CENTRAL COLLEGE

4001 OTTERBEIN AVENUE,
INDIANAPOLIS, INDIANA 46227

Telephone: ST 7-1301.

Founded 1902.

President: Dr. I. LYND ESCH.
Registrar: W. D. LAWRENCE.
Director of Admissions: D. E. FLEENER.
Librarian: Miss EDNA MILLER.

The library contains 43,039 volumes.

Number of teachers: 60 full-time.

Number of students: 865 full-time, 1,114 part-time.

INDIANA INSTITUTE OF TECHNOLOGY

1600 E. WASHINGTON,
FORT WAYNE, INDIANA 46803
Telephone: 743-9686.
Founded 1930.

President: Dr. EDWARD C. THOMA.
Registrar: Prof. O. HUFFER.
Librarian: W. HUNSBERGER.

The library contains 40,000 volumes.
Number of teachers: 78.
Number of students: 1,400.

INDIANA STATE UNIVERSITY

TERRE HAUTE, INDIANA 47809
Telephone: C-6311.
Founded 1865.

President: Dr. ALAN C. RANKIN.
Registrar: Dr. J. H. RINGER.
Director of Admissions: J. R. NELSON.
Librarian: F. W. HANES.

The library contains 262,675 volumes.
Number of teachers: 453 (approx.).
Number of students: 8,811 (approx.).

INDIANA UNIVERSITY

BLOOMINGTON AND
INDIANAPOLIS, INDIANA
Telephone: Bloomington 332-0211.

Established 1820 by Act of General Assembly as a State Seminary. Opened 1824 with ten boys. Name changed by Act 1828 to Indiana College and in 1838 by a further Act to Indiana University. Recognised by Act in 1852 as the University of the State.

President: ELVIS J. STAHR, B.C.L., LL.D.
Chancellor: H. B. WELLS, A.M., LL.D.
Vice-Presidents: S. E. BRADEN, PH.D., R. L. HEFFNER, PH.D., J. A. FRANKLIN, B.S., L. L. MERRITT, Jr., PH.D.
Registrar: C. E. HARRELL, A.B., LL.B.
Librarian: R. A. MILLER, PH.D., MUS.D.

The library contains 2,069,949 vols., 2,665,968 other items.
Number of teachers: 2,750.
Number of students: 41,583.
Publications: *University Bulletin* (30 times a year), *University News Letter* (monthly), *Indiana Magazine of History* (quarterly), *Indiana Law Journal* (quarterly), *The Folio* (quarterly), *Journal of Mathematics and Mechanics, International Journal of American Linguistics, Midwest Folklore, Victorian Studies.*

DEANS:

College of Arts and Sciences: J. L. SUTTON, PH.D.
School of Music: W. C. BAIN, ED.D.
Faculties: R. L. HEFFNER, PH.D.
School of Law: L. H. WALLACE, J.D.; B. F. SMALL, J.D. (*Indianapolis Campus*).
Division of Regional Campuses: S. HIGGINS, PH.D.
School of Dentistry: M. K. HINE, D.D.S. (*Indianapolis Campus*).
School of Health, Physical Education, and Recreation: A. S. DANIELS, ED.D.
Graduate School: H. SHULL, PH.D. (acting).
Undergraduate Development: S. E. BRADEN, PH.D.
Students: R. H. SHAFFER, PH.D.
Junior Division: J. W. SNYDER, PH.D.
School of Medicine: G. W. IRWIN, M.D. (*Indianapolis Campus*).
School of Business: W. G. PINNELL, D.B.A.
School of Education: P. PEAK, PH.D. (acting).

PROFESSORS:

ADAMS, J. W., D.D.S., M.S., Orthodontia
AGNEW, A. F., M.S., PH.D., Geology
ALLEN, DOTALINE E., M.S., ED.D., Nursing Education
ALLEN, M. J., M.S.C, PH.D., Optometry
ALLEN, R. E., A.M., GH.D., Philosophy and Classics
ANDREW, W., A.B., M.S., PH.D., M.D., Anatomy
ANDREWS, W. H., B.S., A.M., PH.D., Economics
APEL, W., PH.D., Music
APRISON, M. H., M.S., PH.D., Biochemistry
ARBOGAST, J. L., M.D., Clinical Pathology
ARPAN, F. G., M.S., Journalism
ASHMORE, J. E., M.S., PH.D., Biochemistry and Pharmacology
ASHTON, J. W., PH.D., LL.D., English
AUER, J. J., A.M., PH.D., Speech and Theatre
BAILEY, L. R., D.D.S., Prosthetic Dentistry
BAIN, W. C., ED.D., MUS.ED., MUS.D., Music
BALCH, J. F., M.D., Clinical Urology
BALLINGER, S. E., PH.D., Education
BARBER, C. L., A.B., Harvard Fellow, English
BARNETT, G. L., A.M., PH.D., English
BARNHART, J. D., A.M., PH.D., History
BARR, W. M., A.M., ED.D., Education
BARTON, T. F., PH.M., PH.D., Geography
BATCHELDER, H. T., A.M., PH.D., Education
BATTENHOUSE, R. W., A.B., PH.D., English
BATTERSBY, J. S., M.D., Surgery
BATTISTA, J. R., Grad. Dip. Juilliard, Music
BEAMER, P. R., M.S., PH.D., M.D., Pathology
BECK, C. W., A.M., PH.D., Mineralogy
BECK, L. V., M.S., PH.D., Pharmacology
BEHARRIELL, F. J., A.M., PH.D., German
BEHNKE, R. H., M.D., Medicine
BEIER, D. C., A.M., PH.D., Psychology
BENES, V. L., LL.D., M.C.L., Government
BERGEVIN, P. E., M.S., ED.D., Adult Education
BERRY, R. N., M.S., PH.D., Psychology
BEVERSDORF, S. T., M.M., PH.D., Music
BIDNEY, D., A.M., PH.D., Anthropology and Philosophy
BILLMAN, J. H., A.M., PH.D., Chemistry
BINDER, A. M., PH.D., Psychology
BONNER, J. F., Jr., M.S., PH.D., Biochemistry
BOOKWALTER, K. W., A.M., ED.D., Physical Education
BOSZORMÉNYI-NAGY, B., DR. OF LAW, Piano
BOWIE, T. R., A.M., PH.D., Fine Arts
BOWMAN, D. E., A.M., PH.D., Biochemistry
BOWMAN, SYLVIA E., A.M., English
BOYD, D. A., D.D.S., Dentistry
BRADEN, S. E., A.M., PH.D., Economics
BRENEMAN, W. R., PH.D., Zoology
BRICHT, W., DIPL. MUS., Music
BRIGGS, R. W., PH.D., Zoology
BROCK, T. D., M.SC., PH.D., Bacteriology and Microbiology
BROCKETT, O. G., A.M., PH.D., Speech and Theatre
BROWN, D. E., M.D., Oto-Rhino-Laryngology
BRUETSCH, W. L., M.D., Clinical Neurology
BUCHWALD, A. M., PH.D., Psychology
BUEHRIG, E. H., A.M., PH.D., Government
BULEY, R. C., A.M., P.H.D., D.LITT., History
BURT, L. A., M.S., ED.D. Education
BYRD, C. K., A.M., PH.D., Libraries
BYRNES, R. F., A.M., PH.D., History
CADY, E. H., A.M., PH.D., English
CALDWELL, L. K., A.M., PH.D., Government
CAMPAIGNE, E. E., M.S., PH.D., Chemistry
CAMPBELL, J. A., M.D., Radiology
CAMPBELL, R. W., A.M., PH.D., Economics
CANRIGHT, J. E., A.M., PH.D., Botany
CARLSON, R. E., A.M., Recreation
CARMACK, M., M.S., PH.D., Chemistry
CARMONY, D. F., A.M., PH.D., History
CARTER, B. E., PH.D., Government
CAULEY, T. J., A.M., PH.D., Economics
CHAMPIGNY, R., L. ÈS L., Dipl. d'Etudes Supérieures, Agrégé de l'Univ., D.ÈS L., French
CHEN, K. K., PH.D., M.D., Pharmacology
CHLOUPEK, L., B.S., Military Science
CHRIST, W. B., M.M., PH.D., Music Theory
CHRISTENSEN, C., PH.D., Economics
CHURCH, H. H., A.M., PH.D., Education
CLAYTON, A. S., A.M., PH.D., Education
CLELAND, R. E., M.S., PH.D., LL.D., D.SC., Botany
CLEVELAND, W. C., PH.D., Economics
CLIFFORD, A. V., A.B., LL.B., Law
COHEN, A. K., A.M., PH.D., Sociology
COUSINS, G. F., M.S., P.E.DIR., P.ED., Physical Education
CRAWFORD, T. J., A.M., PH.D., Business Education
CRISTINI, C. M., Scenic Design for Opera
CROWELL, P. S., Jr., A.M., PH.D., Zoology
CULBERTSON, C. G., M.D., Clinical Pathology
DAGHLIAN, P. B., PH.D., English
DANIEL, R. T., M.M., A.M., PH.D., Music
DANIELS, A. S., A.M., ED.D., Physical Education
DAUGHERTY, J. B., PH.D., A.M., Physical Education
DAVIES, EVELYN A., M.S., ED.D., Physical Education
DAVIS, AGNES, B. M., Music
DAWSON, D. P., Grad. Juilliard, Viola
DAY, H. G., SC.D., Chemistry
DEISS, W. P., Jr., M.D., Medicine and Biochemistry
DEPPE, T. R., M.S., RE.DIR., RE.D., Recreation
DE VALOIS, R. L., A.M., PH.D., Psychology
DICKASON, D. H., A.M., PH.D., English
DICKERSON, F. R., LL.M., J.S.D., Law
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DYKEMA, R. W., D.D.S., M.S.C., Crown and Bridge and Partial Denture
EATON, M. T., M.S., ED.D., Education
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GUSS, CAROLYN., M.S., ED.D., Education
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HALL, J. F., D.D.S., Oral Surgery
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HARDTKE, E. F., A.M., PH.D., M.D., Psychology
HARING, A., A.M., PH.D., Marketing
HARSHAW, MARGARET, Dipl. Juilliard, Voice
HART, J. F., A.M., PH.D., Geography
HARTLEY, J. R., D.B.A., Transportation
HASKINS. J. B., A.M., PH.D., Journalism
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HEADLEE, W., M.S., PH.D., Parasitic Diseases
HEALEY, H. J., M.S.D., D.D.S., Operative Dentistry
HEATH, G. G., B.V.S., O.D., M.S., PH.D., Optometry
HEDGES, J. E., LL.D., M.B.A., PH.D., C.L.U., C.P.C.U., Insurance
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HEISER, C. B., Jr., M.S., PH.D., Botany
HEWITT, C. M., D.B.A., Business Law
HICKAN, J. B., M.D., Medicine
HICKS, H. J., A.M., ED.D., Education
HINE, M. K., M.S., D.D.S., Periodontia
HLAVATY, V., PH.D., Mathematics
HOFSTETTER, H. W., D.O.S., M.S., PH.D., Optometry
HOLMQUIST, EMILY, R.N., A.M., Nursing
HOPE, H. R., A.M., PH.D., Fine Arts
HOPF, E., PH.D., Mathematics
HOPPER, S. H., M.S., PH.D., Public Health
HOUK, MARY H., A.M., SOC.SCI.D., Social Service
HOUSEHOLDER, F. W., Jr., A.M., PH.D., Classics
HOWELL, C. L., D.D.S., M.P.H., Public Health Dentistry
HUBER, C. P., A.M., M.D., Obstetrics and Gynaecology
HUNEYCUTT, T. B., Jr., B.S., Air Science
HURT, W. R., A.M., PH.D., Anthropology
HYNEMAN, C. S., A.M., PH.D., Government
IRWIN, G. W., M.D., Medicine
IRWIN, J. B., PH.D., Astronomy
JAEGER, H., PH.D., German
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Number of students: 1,150 (610 men, 540 women).

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GRANT, J. G., M.D., Hygiene
GWYNNE, C. S. PH.D. M.S., Geology
HAMMER, C. L., PH.D., Physics
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HARTMAN, P. A., M.S., PH.D., Dairy and Food Industry, Bacteriology
HAUPT, R. E., M.S., PH.D., Zoology and Entomology
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Registrar: H. A. Renwick.
Director of Library Services: Mrs. Jeanne Johnston (acting).

The library contains 40,000 volumes.
Number of teachers: 52.
Number of students: 850.

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Number of students: 1,600.

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President: Sister Mary Helen, C.H.M. (acting).
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The library contains 42,000 volumes.
Number of teachers: 69.
Number of students: 1,008.

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President: J. Richard Palmer.
Registrar: Ira Gwinn.
Dean of Admissions: R. Miller.
Director of Library: V. Wynne.

The library contains 87,000 volumes.
Number of teachers: 80.
Number of students: 1,263.

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FAIRFIELD, IOWA

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Founded 1875.

President: Dr. Millard G. Roberts.
Registrar: L. Kreiner.
Librarian: H. L. Sutton.

The library contains 90,000 volumes.
Number of teachers: 184.
Number of students: 3,429.

ST. AMBROSE COLLEGE

518 W. LOCUST STREET, DAVENPORT, IOWA

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Founded 1882.

President: Rt. Rev. S. G. Menke.
Dean of Admissions: Rev. F. J. McMahan.
Librarian: Miss Eleanor Koester.

The library contains 40,000 volumes.
Number of teachers: 80.
Number of students: 1,400.

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CEDAR FALLS, IOWA 50613

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Registrar: M. R. Beard.
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The library contains 220,000 volumes.
Number of teachers: 420.
Number of students: 6,300.

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Vice-President for Medical Services: R. C. Hardin, M.D.
Vice-President for Business and Finance: E. T. Jolliffe, B.Sc.
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Number of students (1964-65): 9,412 men, 5,068 women, total 14,480.

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ANSON, B. J., M.A., PH.D., Oto-Laryngology and Maxillofacial Surgery
BEAN, W. B., M.D., Internal Medicine
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BURIAN, H. M., M.D., D.SC., Ophthalmology
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CARTER, R. E., B.M., M.D., Pædiatrics
CARNEY, R. G., M.D., Dermatology
CLIFTON, J. A., M.D., Internal Medicine
CULP, D., M.D., Urology
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EVANS, T. C., M.S., PH.D., Radiology
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UPPER IOWA UNIVERSITY

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Founded 1857.

President: EUGENE E. GARBEE.
Registrar: R. BOWEN.
Librarian: Mrs. HOWARD BAKER.

The library contains 56,616 volumes.
Number of teachers: 57.
Number of students: 2,382.

WARTBURG COLLE[GE]

WAVERLY, IOWA
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Founded 1852.

President: JOHN W. BACHMAN.

Registrar: M. K. HARMS.
Director of Admissions: V. PINKE.
Librarian: PERNA LOHN.

The library contains 73,561 volumes.
Number of teachers: 75.
Number of students: 1,250.

WESTMAR COLLEGE

LE MARS, IOWA 51031
Telephone: 546-5127.
Founded 1890.

President: H. H. KALAS.
Registrar: H. BRADY.
Librarian: ESTHER MERKLE.

The library contains 57,000 volumes.
Number of teachers: 58.
Number of students: 960.

WILLIAM PENN COLLEGE

OSKALOOSA, IOWA
Telephone: 672-2307.
Founded 1873.

President: Dr. DUANE MOON.
Registrar: R. LUNDE.
Librarian: Miss INIS SMITH.

The library contains 50,000 volumes.
Number of teachers: 50.
Number of students: 800 (approx.).

KANSAS

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(Methodist Church)

BALDWIN CITY, KANSAS 66006
Telephone: 594-6451.
Chartered 1858.

President: WILLIAM J. SCARBOROUGH, A.M., PH.D., LL.D., LL.D., L.H.D.
Dean and Registrar: B. A. GESSNER, A.B., PH.D., L.H.D.
Dean of Women: MARJORIE DOUTHIT, B.S.
Dean of Men: F. WEBB, Jr., A.B., B.S.
Dean of Students: MARGARET HOWELL, A.B., M.S.
Treasurer: E. V. WOOD, A.B.
Controller: R. A. RIDLEY, M.S.
Librarian: MARY E. MCCORMICK, M.A., M.S.

Number of teachers: 50.
Number of students: 446 men, 407 women, total 853.
Publications: *Orange, Wildcat.*

BETHANY COLLEGE

LINDSBORG, KANSAS
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Founded 1881.

President: Dr. G. KENNETH ANDEEN.
Registrar: MARGARET BLOOMQUIST.
Librarian: R. JOHNSON.

The library contains 33,000 volumes.
Number of teachers: 35.
Number of students: 520.

COLLEGE OF EMPORIA
(Presbyterian)

EMPORIA, KANSAS
Founded 1882.

President: Dr. JOSEPH R. LAUGHLIN.
Dean: S. S. STUDER.
Business Manager: J. I. BEESON.
Registrar: L. W. HILBERT.
Dean of Women: Mrs. GENEVIEVE JOHNSON.
Dean of Men: J. J. MITCHELL.
Dean of Music: R. H. JOHNSON.
Director of Personnel: R. A. EBBERTS.
Director of Development: R. H. ELBERT.
Director of Admissions: R. A. EBBERTS.
Director of Promotion: E. A. SHUPE.

The library contains 42,500 volumes.
Number of teachers: 52.
Number of students: 760.

FORT HAYS KANSAS STATE COLLEGE

HAYS, KANSAS
Founded 1902.

President: Dr. MORTON CHRISTY CUNNINGHAM.
Librarian: M. CAMPBELL.

Number of teachers (1965-66): 232, including 36 professors.
Number of students (1964-65): 2,536 men, 1,610 women, total 4,146.
Publications: *Leader, Reveille.*

DEANS:

Dean of the Faculty: Dr. J. D. GARWOOD.
Graduate Division: Dr. R. V. CODER.
Men: Dr. B. D. JELLISON.
Women: Miss JEAN STOUFFER.

FRIENDS UNIVERSITY

WICHITA, KANSAS
Telephone: 239-8421.
Founded 1898.

President: Dr. ROY F. RAY (acting).
Business Manager: W. WARNER.
Registrar: EVELYN R. CLARK.
Dean: Dr. DOROTHY H. CRAVEN.
Librarian: AMY F. COBB.

Number of teachers: 47.
Number of students: 591.
Publication: *Friends University Bulletin* (monthly).

KANSAS STATE TEACHERS COLLEGE

EMPORIA, KANSAS 66802
Telephone: DI 2-5000.
Founded 1861.

President: JOHN E. KING.
Registrar: A. MILLER.
Librarian: R. A. FARLEY.

The library contains 8,800 volumes.
Number of teachers: 325.
Number of students: 5,517.

KANSAS STATE UNIVERSITY OF AGRICULTURE AND APPLIED SCIENCE

MANHATTAN, KANSAS 66504
Telephone: Jefferson 9-2211.

Founded as Kansas State Agricultural College 1863; name changed by Act of State Legislature 1931 and 1959.

President: JAMES A. MCCAIN.
Vice-President, General Administration: L. PUGSLEY.
Vice-President, Academic Affairs: W. BEVAN.
Dean of Admissions and Records: E. M. GERRITZ.
Librarian: J. W. KRAUS.

Number of Faculty members: 1,361.
Number of students: 7,080 men, 3,420 women, total 10,500.
The library contains 382,000 volumes.
Publications: *General Catalog, Student Catalog, Summer School Catalog, K-Stater, Trumpet, President's Biennial Report,* Extension Bulletins.

DEANS:

Agriculture: G. H. BECK.
Graduate School: (Vacant).
College of Agriculture: D. E. ACKER.
College of Engineering: P. E. RUSSELL.
College of Architecture and Design: E. C. FISCHER.
College of Arts and Sciences: J. CHALMERS.
College of Home Economics: DORETTA S. HOFFMAN.
College of Veterinary Medicine: R. KITCHELL.
Division of Extension: H. E. JONES.
School of Education: W. A. COFFIELD.
College of Commerce: C. C. JONES.
Dean of Students: C. E. PETERS.
Director of Libraries: J. W. KRAUS.

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BATES, H. T., PH.D., Chemical Engineering
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BECK, G. H., PH.D., Agriculture
BECK, H. V., PH.D., Geology
BEST, C. H., PH.D., Applied Mechanics
BEVAN, W., PH.D., Experimental Psychology
BIDWELL, O. W., PH.D., Agronomy
BIEBERLY, F. G., M.S., Extension Specialist in Agronomy
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BORG, A. F., PH.D., General Bacteriology
BOWYER, J. M., PH.D., Mechanical Engineering
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Brainard, B. B., M.S., Mechanical Engineering
Brandner, L., PH.D., Agriculture
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Tinklin, Gwendolyn L., M.S., Foods and Nutrition

TREMMEL, W. C., TH.D., Philosophy
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TRIPP, W., PH.D., Mechanical Engineering
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WRIGHT, H., Architecture
ZACKS, S, PH.D., Statistics

KANSAS WESLEYAN UNIVERSITY

SALINA, KANSAS

Telephone: TA t-5541.

Founded 1886.

President: D. ARTHUR ZOOK.
Registrar: Miss THELMA BOOK.
Librarian: F. ANDERSON.

The library contains 48,000 volumes.
Number of teachers: 40.
Number of students: 660.

McPHERSON COLLEGE

McPHERSON, KANSAS 67460

Telephone: (316) CH 1-0731.

Founded 1887.

President: Dr. J. JACK MELHORN.
Registrar: E. D. REYNOLDS.
Librarian: Miss VIRGINIA HARRIS.

The library contains 32,000 volumes.
Number of teachers: 43.
Number of students: 699.

OTTAWA UNIVERSITY

10TH & CEDAR STREETS, OTTAWA, KANSAS 66067

Telephone: Area Code 913, CH 2-5200.

Founded 1865.

President: Dr. ANDREW B. MARTIN.
Registrar: Miss VIRGINIA JENNINGS.
Librarian: W. HEGARTY.

The library contains 50,000 volumes.
Number of teachers: 50.
Number of students: 950.

ST. BENEDICT'S COLLEGE

ATCHISON, KANSAS 66002

Telephone: EM 7-5340.

Founded 1858.

President: Rev. ALCUIN HEMMEN, O.S.B.
Registrar: Rev. L. WAY, O.S.B.
Dean of Admissions: Rev. H. HEIM, O.S.B.
Librarian: Rev. C. FARRELL, O.S.B.

The library contains 123,000 volumes.
Number of teachers: 65.
Number of students: 948.

SAINT MARY COLLEGE

XAVIER, KANSAS 66098

Telephone: Area Code 913, Mutual 2-5151.

Founded 1860.

President: Sister MARY JANET MCGILLEY, S.C.L.
Registrar: Sister ROSE MARIE DESCH, S.C.L.
Librarian: Sister MARY MARK ORR, S.C.L.

The library contains 82,921 volumes.
Number of teachers: 65.
Number of students: 800.

SAINT MARY OF THE PLAINS COLLEGE

DODGE CITY, KANSAS

Telephone: HUnter 3-4171.

Founded 1952.

President: Sister M. CECILIA, C.S.J.
Registrar: Sister M. LAURA, C.S.J.
Librarian: Sister M. SIMEON, C.S.J.

The library contains 27,500 volumes.
Number of teachers: 44.
Number of students: 539.

SOUTHWESTERN COLLEGE

WINFIELD, KANSAS

Telephone: Area Code 316, CAstle 1-4150.

Founded 1885.

President: Dr. C. ORVILLE STROHL.
Registrar: M. K. SNYDER.
Dean of Admissions: Dr. D. C. WEDEL.
Librarian: R. B. REICH.

The library contains 47,960 volumes.
Number of teachers: 45.
Number of students: 700.

STERLING COLLEGE

STERLING, KANSAS 67579

Telephone: Broadway 8-2173.

Founded 1887.

President: Dr. WILLIAM MCCREERY.
Registrar: Mrs. ADA L. SHIELDS.
Librarian: Miss LUCILE LUKENS.

The library contains 50,000 volumes.
Number of teachers: 50.
Number of students: 625-650.

UNITED STATES ARMY COMMAND AND GENERAL STAFF COLLEGE

FORT LEAVENWORTH, KANSAS 66048

Telephone: OVerland 4-2910.

Founded 1881.

Commandant: Maj.-Gen. HARRY J. LEMLEY, Jr.
Secretary/Class Director: Col. I. L. LUTHI, Q.M.C., U.S.A.
Librarian: A. F. MCGRAW.

The library contains 385,000 volumes.
Number of teachers: 207.
Number of students: 1,650.

UNIVERSITY OF KANSAS

LAWRENCE, KANSAS

Organised by the Legislature 1864. Opened 1866.

Chancellor: W. CLARKE WESCOE, B.S., M.D.
Vice-Chancellor and Dean of the University: G. B. SMITH, PH.D.
Vice-Chancellor for Finance: R. NICHOLS, M.A.
Vice-Chancellor for Physical Plant Co-ordination: R. K. LAWTON, B.S.
Vice-Chancellor, Dean of Faculties: J. R. SURFACE.
Registrar: J. K. HITT, A.M.
Librarian: T. R. BUCKMAN.

The library contains 1,100,000 volumes.
Number of teachers: 970.
Number of students: 12,500.

DEANS:

Graduate School: W. P. ALBRECHTS, PH.D.
College of Liberal Arts and Sciences: G. R. WAGGONER, PH.D.
School of Business: J. W. MCGUIRE, PH.D.
School of Education: K. ANDERSON, PH.D.
School of Engineering and Architecture: J. MCNOWN, PH.D.
School of Fine Arts: T. GORTON, PH.D.
School of Journalism: B. W. MARVIN, M.S.
School of Law: J. K. LOGAN.
School of Medicine: C. A. MILLER, M.D.
School of Pharmacy: D. WENZEL, PH.D.
Women: EMILY TAYLOR, PH.D.
Students: L. C. WOODRUFF, PH.D.
Men: D. ALDERSON, B.S.

PROFESSORS:

ADAMS, R., PH.D., Chemistry
ALBRECHT, W. P., PH.D., English
ALLEN, E., PH.D., Political Science
ANDERSON, G., PH.D., History
ANDERSON, K. E., PH.D., Education
ANDERSON, L. E., Organ and Theory
ANDES, A., M.S., Aeronautical Engineering
ARGESINGER, W. J., PH.D., Chemistry
ARONSZAJN, N., PH.D., Mathematics
AUGELLI, J. P., PH.D. Geography
BACKUS, O. P., PH.D., History
BAER, C., M.S, Mechanical Engineering
BARKER, R., PH.D., Psychology
BAUMGARTER, H., PH.D., Human Relations
BAUR, E., PH.D., Sociology
BAUSTIAN, R., M.M., Orchestra
BAXTER, R., PH.D., Botany
BAYLES, E. E., PH.D., Education
BEAL, G., M.S., Architecture
BEARD, D., PH.D., Physics
BECKMANN, G. M., PH.D., History
BEE, L. S., PH.D., Family Life and Sociology
BEER, R. E., PH.D., Entomology
BERGER, K., PH.D., Art History
BETH, E., A.M., Journalism
BLOCKER, J. G, PH.D., Economics
BRADSHAW, G., M.S., Civil Engineering
BRADY, AGNES, A.M., Spanish
BREWSTER, R. Q., PH.D., Chemistry
BRICKER, C. E., PH.D., Chemistry

BURZLE, J. A., PH.D., German
BYRNE, MARGARET, PH.D., Speech and Drama
CAMIN, J., PH.D., Entomology
CAPE, W. H., PH.D., Speech and Drama
CAREY, J., A.M., Ceramics
CARMAN, J. N., PH.D., Romance Languages
CASAD, R. C., J.D., Law
CERF, R., Violin
CLARK, C. D., PH.D., Sociology
CLUBB, M. D., PH.D., English
COLLISTER, G., PH.D., Education
CONBOY, W. A., PH.D., Speech and Drama
CRAIG, BARBARA, PH.D., Romance Languages
CULVAHOUSE, J., PH.D., Physics
DAVIDSON, A. W., PH.D., Chemistry
DE COSTER, C., PH.D., Romance Languages
DE GEORGE, R., PH.D., Philosophy
DE GRAW, EVELYN, M.S., Design
DEEMER, K. C., D.SC,. Applied Mechanics
DELLWIG, L. F., PH.D., Geology
DOWNS, CORA M., PH.D., Bacteriology
DRURY, J. W., PH.D., Political Science
DYKES, J. E., M.B.A., Journalism
EASTWOOD, R., Painting
EDWARDS, A. C., PH.D., English
EDWARDS, K. D., PH.D., Education
ELBEL, E. R., PH.D., Physical Education
ERICKSON, E. G., PH.D., Sociology
FIELDS, J. E., PH.D., Political Science
FITCH, H., PH.D., Zoology
FOLEY, F. C., PH.D., Geology
FRASER, B., B.A., Architecture
FRIAUF, R. J., PH.D., Zoology
GASTON, E. T., PH.D., Music Education
GATON, T. H., PH.D., Zoology
GATTS, R., PH.D., Mechanical Engineering
GEORGE, A., A.M., Social Work
GEORGE, W. E., M.ARCH., Architecture
GIFFIN, K., PH.D., Speech
GILBERT, W., PH.D., Chemistry
GILLES, P., PH.D., Chemistry
GOFF, L., PH.D., Speech and Drama
GORTON, T., PH.D., Piano
GREENS, J. C., PH.D., English
GRIER, E., PH.D., English
GRISWOLD, E., PH.D., Chemistry
HAHN, M., PH.D., Music Education
HALL, E. R., PH.D., Zoology
HAMBLETON, W., PH.D., Geology
HARING, M., ED.D., Education
HARRIS, E., M.A., D.LITT., Philosophy
HAUGH, O. M., PH.D., Education
HEIDER, F., PH.D., Psychology
HELLER, F., PH.D., Political Science
HENNECKE, H., PH.D., German
HILL, EDNA A., A.M., Family Life
HINMAN, C., PH.D., English
HOECKER, F. E., PH.D., Physics
HOPPONEN, R., PH.D., Pharmacy
HOPSON, D., LL..M, Law
HOWEY, R. S., A.M., Economics
HYDER, C. K., PH.D., English
IRELAND, H. A., PH.D., Geology
JACKSON, R., PH.D., Botany
JENKS, G. F., PH.D., Geography
JOHNSON, S., PH.D., German
KELLY, W. A., LL.B., Law
KIPP, H. L., M.S., Mechanical Engineering
KLEINBERG, J., PH.D., Chemistry
KOLLMORGEN, W., PH.D., Geography
KREHBIEL, C., M.A., Choral Music
KROGH, H. C., PH.D., Business
KRONE, R., PH.D., Physics
KUCHLER, A. W., PH.D., Geography
KURATA, F., PH.D., Chemical Engineering
LENZEN, K. H., PH.D., Mechanics
LEONARD, A. B., PH.D., Zoology
LEONE, C. PH.D., Zoology
LIND, R., PH.D., Latin
LINTON, B. A., PH.D., Speech
LOGAN, J., LL.B., Law
LORAM, I. C., PH.D., German
MCBRIDE, E. J., D.SC., Mechanical Engineering
MCCLUGGAGE, M. M., PH.D., Sociology
MCCOY, D. R., PH.D., History
MCGREGOR, R., PH.D., Botany
MCGUIRE, J. N., PH.D., Business
MCKINNEY, R. E., PH.D., Civil Engineering
MCNOWN, J., PH.D., Applied Mechanics
MALONEY, J. O., PH.D., Chemical Engineering
MARVIN, B. W., M.S., Journalism
MATZKE, H., PH.D., Anatomy
MEISELS, J. F., PH.D., Social Work
MENTON, S., PH.D., Romance Languages
MERRILL, W. M., PH.D., Geology
MESERVE, W., PH.D., English
MESLER, R., PH.D., Chemical Engineering
METZLER, D., M.S., Mechanical Engineering
METZLER, DWIGHT, M.S., Sanitary Engineering
MICHENER, C., PH.D., Entomology
MITCHELL, W. S., M.B.A., Accounting
MOORE, R. T., PH.D., Electrical Engineering
NAMAH, N., PH.D., Electrical Engineering
NELSON, E. G., PH.D., Economics
NELSON, J. H., PH.D., English
OLDFATHER, C. H., LL.B., Law
OREZ, H., PH.D., English
OSBORNE, C. P., PH.D., Philosophy
PADEN, W. D., PH.D., English
PALMERLEE, A., M.S., Mechanical Engineering
PARETSKY, D., PH.D., Microbiology
PICKETT, C., PH.D., Journalism
POZDRO, J., PH.D., Music Theory
PRICE, G. B., PH.D., Mathematics
PRITCHARD, L. J., PH.D., Economics
REARDON, W. R., PH.D., Speech and Drama
REESE, J. A., PH.D., Pharmacy
REYNOLDS, C., PH.D., Chemistry
RICART, D., Romance Languages
RIDGWAY, R. W., PH.D., Education
ROBINSON, E. S., PH.D., Philosophy
ROBINSON, W. S., PH.D., History
ROOFE, P., Anatomy
ROSE, K. E., M.S., Metallurgical Engineering
RUESCHOFF, P. H., ED.D., Art Education
RUNDQUIST, R., ED.D.. Education
SAMSON, F., PH.D., Biochemistry and Physiology
SANDELIUS, W. E., PH.D., Political Science
SARICKS, A., PH.D., History
SAUNDERS, C., D.B.A., Business
SCANNELL, D., PH.D., Education
SCHIEFELBUSCH, R., PH.D., Speech Correction
SCHILD, A. H., PH.D., Education
SCHMIDT, R., B.S., Voice
SCOTT, W. R., PH.D., Mathematics
SCOTT, W. R., LL.B., Law
SEAGONDOLLAR, L. W., PH.D., Physics
SEAVER, J. E., PH.D., History
SHAH, S. M., PH.D., Mathematics
SHENK, H., M.S., Physical Education
SHERIDAN, R., PH.D., Economics
SHURTZ, E., LL.B., Law
SMISSMAN, E. S., PH.D., Pharmacy
SMITH, A. J., PH.D., Psychology
SMITH, C. H., Design
SMITH, C. S., PH.D., Anthropology
SMITH, G. B., PH.D., Education
SMITH, H., PH.D., Education
SMITH, J. B., S.J.D., Law
SMITH, R. L., M.S., Civil Engineering
SMITH, T. R., PH.D., Geography
SMITH, W. P., PH.D., Electrical Engineering
SOKAL, R. R., Biology
STAMMLER, H., PH.D., Slavic Languages
STAPLETON, J., PH.D., Physical Education
STEELE, J. D., D.B.A., Business
STEINHARDT, M., PH.D., Music and History
STENE, E. J., ED.D., Music Education
STENE, E. O., PH.D., Political Science
STETTLER, H., M.S., Accounting
STRANATHAN, J. D., PH.D., Physics
STUMP, R., PH.D., Physics
SURFACE, J., D.C.S., Business Adnimistration
TEFFT, E., M.F.A., Design
THOMAS, C., PH.D., Electrical Engineering
THOMPSON, R., PH.D., Botany
TUPY, L. T., LL.B., M.S., Law
TWENTE, ESTHER, M.S., Social Work
ULMER, G., PH.D., Education and Mathematics
UNS, H., PH.D., Electrical Engineering
VON SAUER, ANGELICA, Piano
WAGGONER, G. R., PH.D., English
WARFIELD, J., PH.D., Electrical Engineering
WARRINER, C., PH.D., Sociology
WAZAS, S., PH.D., Chemical Engineering
WEINAUG, C. F., PH.D., Petroleum
WEIR, J., PH.D., Zoology
WELTMER, W. K., LL.B., M.B.A., Business Administration
WENZEL, D. G., PH.D., Pharmacy
WHITNEY, MARJORIE, Design
WIKE, E. L., PH.D., Psychology
WILEY, R. L., B.M., Music
WILKINS, J. F., B.S., Voice
WILSON, P., LL.B., Law
WISEMAN, G., PH.D., Physics
WOODRUFF, L. C., PH.D., Biology
WRIGHT, H., PH.D., Psychology
WRIGHT, M. E., PH.D., Psychology
ZELLER, E., PH.D., Geology

UNIVERSITY OF KANSAS MEDICAL CENTER

PROFESSORS:

AGNEW, L. R. C., M.D., History of Medicine
ALLBRITTEN, F. F., Jr., M.D., Surgery
ALLEN, M. S., M.D., Medicine
BOLEY, J., M.D., Pathology
BOLINGER, R. E., M.D., Medicine and Gerontology
BROWN, E. B., PH.D., Physiology
CARTER, J. R., M.D., Pathology and Oncology
DELP, M., M.D., Medicine
FREDERICKSON, E., M.D., Surgery—Anæsthesia
FRENKEL, J. K., PH.D., Pathology
FRIESEN, S. R., M.D., Surgery
GOETZINGER, C., PH.D., Oto-Rhino-Laryngology
GORDON, RUTH, B.S., Nutrition
GREAVES, D. C., M.D., Psychiatry
GREENWALD, G. S., M.D., Obstetrics and Gynæcology
GRISOLIA, S., M.D., Biochemistry
HAMILTON, T. R., M.D., Microbiology
HIGGINSON, J., M.D., Pathology and Oncology
HILL, JEAN, M.S., Nursing
ISENBERGER, R. M., M.D., Pharmacology
JENSEN, T., PH.D., Microbiology
KLOTZ, A. P., M.D., Medicine
KRANTZ, K., M.D., Obstetrics and Gynæcology
LEMOINE, A. N., M.D., Ophthalmology
LEWIS, C. E., M.D., Preventive Medicine and Community Health
LIU, C., M.D., Pædiatrics and Medicine
MANTZ, F., Pathology
MATZKE, H. A., PH.D., Anatomy
MILLER, H. C., M.D., Pædiatrics
MILLER, JUNE, ED.D., Audiology
MILLS, R. C., PH.D., Biochemistry
MULFORD, D., PH.D., Biochemistry
PAYNE, ARLENE, M.S., Nutrition
PELTIER, F., M.D., Surgery—Orthopædics
PETERS, L., M.D., Pharmacology
PROUD, G. O., M.D., Oto-Rhino-Laryngology
REISSMANN, K. R., M.D., Medicine
RISING J., M.D., Medicine
ROBINSON, D., M.D., Surgery—Plastics
ROOFE, P. G., PH.D., Anatomy
ROSE, D. L., M.D., Physical Medicine

SCHIEFELBUSCH, R., PH.D., Speech Pathology
SCHLOERB, P. R., M.D., Surgery
STEEGMANN, A. T., M.D., Neurology
TICE, G. M., M.D., Radiology
VALK, W., M.D., Surgery—Urology
WALASZEK, E. J., PH.D., Pharmacology
WENNER, H. A., M.D., Pædiatrics
WERDER, A. A., PH.D., Microbiology
WESCOE, W., M.D., Pharmacology
WILLIAMSON, W. P., M.D., Surgery—Neurosurgery
WILSON, S., M.D., Medicine
ZIEGLER, D. K., M.D., Medicine—Neurology

UNIVERSITY OF WICHITA

WICHITA 184, KANSAS

Founded 1895 as Fairmount College (Congregational), control transferred to City of Wichita 1926.

President: HARRY F. CORBIN, A.B., B.D., LL.B.

Treasurer: G. GARDNER.

Registrar: W. A. FLETCHER, M.A., PH.D.

Librarian: D. O'HARA, M.A.

The library contains 190,000 volumes.
Number of teachers: 334.
Number of students: 4,144 men, 1,770 women, total 5,914.
Publications: *Bulletin, Sunflower.*

DEANS:

Liberal Arts and Sciences: J. K. SOURS.

Education: J. O. POWELL.

Music: W. DUERKSEN.

Engineering: K. RAZAK.

Business Administration: J. D. HEYSINGER.

Graduate: H. WALL.

University College: J. R. BERG.

WASHBURN UNIVERSITY OF TOPEKA

TOPEKA, KANSAS

Telephone: CEntral 5-5341.

President: Dr. JOHN W. HENDERSON, ED.D.

Dean of the College: Dr. A. F. ENGELBERT, PH.D.

Dean of Students: Dr. R. LEOSCHNER, PH.D.

Registrar and Director of Admissions: J. E. HARTER.

Librarian: SADIE HALL, B.S.L.S. (acting).

The library contains 85,000 volumes.
Number of teachers: 194.
Number of students: 3,933.
Publications: *Washburn Alumnus, Washburn Law School Journal.*

DEANS:

College: Dr. A. F. ENGELBERT, PH.D.

Law: J. E. HOWE, LL.M.

Education: Dr. J. R. BEARD, ED.D.

Student Affairs: Dr. R. LOESCHNER, PH.D.

Assistant Dean of Students: E. LINTA, M.ED.

Women: MARIE MOORE, M.A.

KENTUCKY

BELLARMINE COLLEGE

2000 NORRIS PLACE,
LOUISVILLE, KENTUCKY 40205

Telephone: 452-2641.

Founded 1950.

President: Rt. Rev. ALFRED F. HORRIGAN.
Registrar: Rev. J. R. CLANCY.
Librarian: Miss BETTY DELIUS.

The library contains 40,182 volumes.
Number of teachers: 101.
Number of students: 1,708.

BEREA COLLEGE

BEREA, KENTUCKY

Founded 1855.

President: FRANCIS S. HUTCHINS.
Comptroller: L. JONES.
Registrar: VIRGINIA AUVIL.
Librarian: ELIZABETH D. GILBERT.

The library contains 154,000 volumes.
Number of teachers: 122, including 23 professors.
Number of students: 676 men, 749 women, total 1,425.

DEANS:

College: L. SMITH.
Women: ANN MARSHALL.
Men: J. ORWIG.
Associate Dean: K. H. THOMPSON.
Labour: W. EVANS.

CAMPBELLSVILLE COLLEGE

CAMPBELLSVILLE, KENTUCKY

Telephone: 465-8158.

Founded 1907.

President: Dr. JOHN M. CARTER.
Executive Vice-President: J. K. POWELL.
Librarian: B. H. PARSLEY.

The library contains 30,000 volumes.
Number of teachers: 45.
Number of students: 950 (approx.).

CATHERINE SPALDING COLLEGE

851 SOUTH FOURTH STREET,
LOUISVILLE, KENTUCKY 40203

Telephone: 587-6087.

Founded 1920.

President: Sister MARY CHARLOTTE, S.C.N.
Registrar: Sister MARY PAUL, S.C.N.
Librarian: Sister JAMES ELLEN, S.C.N.

The library contains 72,000 volumes.
Number of teachers: 75 full-time, 34 part-time.
Number of students: 901 full-time.

CENTRE COLLEGE OF KENTUCKY

DANVILLE, KENTUCKY 40422

Telephone: Area Code 606, 236-5211.

Founded 1819.

President: THOMAS A. SPRAGENS.
Director of Admissions: W. H. OWENS.
Librarian: Mrs. SABRA BARBOUR.

The library contains 79,000 volumes.
Number of teachers: 50.
Number of students: 620.

EASTERN KENTUCKY STATE COLLEGE

RICHMOND, KENTUCKY

Telephone: 623-7011.

Founded 1906.

President: ROBERT R. MARTIN.
Registrar: C. AMBROSE.
Librarian: D. ALLEN.

The library contains 130,000 volumes.
Number of teachers: 270.
Number of students: 6,500 (approx.).

GEORGETOWN COLLEGE

GEORGETOWN, KENTUCKY 40324

Telephone: 1824.

Founded 1829.

President: Dr. ROBERT L. MILLS.
Registrar: F. SNYDER.
Librarian: Miss VIRGINIA COVINGTON.

The library contains 70,000 volumes.
Number of teachers: 66.
Number of students: 1,200.

KENTUCKY STATE COLLEGE

FRANKFORT, KENTUCKY 40601

Telephone: 223-2341.

Founded 1886.

President: CARL M. HILL.
Registrar: E. MORRIS.
Librarian: J. R. O'ROURKE.

The library contains 33,600 volumes.
Number of teachers: 65.
Number of students: 1,226.

KENTUCKY WESLEYAN COLLEGE

3000 FREDERICA STREET,
OWENSBORO, KENTUCKY 42301

Telephone: 684-5621.

Founded 1858.

President: Dr. HAROLD P. HAMILTON.
Registrar: R. SUMMERS.
Librarian: D. KING.

The library contains 39,000 volumes.
Number of teachers: 51.
Number of students: 1,000.

MOREHEAD STATE COLLEGE

MOREHEAD, KENTUCKY

Telephone: ST. 4-4181.

Founded 1922.

President: Dr. ADRON DORAN.
Director of Admissions: M. WICKER.
Librarian: Miss IONE CHAPMAN.

The library contains 100,000 volumes.
Number of teachers: 175.
Number of students: 4,400.

MURRAY STATE COLLEGE

COLLEGE STATION,
MURRAY, KENTUCKY

Telephone: 762-3011.

Founded 1922.

President: R. H. WOODS

Registrar: W. GANTT.
Librarian: A. EASTERLY.

The library contains 90,000 volumes.
Number of teachers: 230.
Number of students: 4,854.

NAZARETH COLLEGE OF KENTUCKY

NAZARETH, KENTUCKY 40048
Telephone: Area Code 502, Bardstown 348-5932.
Founded 1814, present name 1938.

President: Sister AGNES GERALDINE McGANN.
Registrar: Sister CATHERINE SPALDING.
Librarian: Sister TIMOTHY MARIA.

The library contains 38,000 volumes.
Number of teachers: 60.
Number of students: 503.

PIKEVILLE COLLEGE

PIKEVILLE, KENTUCKY
Telephone: Area Code 606, 432-2555.
Founded 1889.

President: REDIFORD DAMRON (acting).
Registrar: J. WADDELL.
Librarian: B. B. BROWN.

The library contains 35,000 volumes.
Number of teachers: 34.
Number of students: 650.

TRANSYLVANIA COLLEGE

300 N. BROADWAY, LEXINGTON, KENTUCKY 40508
Telephone: 255-2960.
Founded 1780.

President: IRVIN E. LUNGER.
Registrar: PEARL ANDERSON.
Librarian: R. HENRY.

The library contains 47,566 volumes.
Number of teachers: 62.
Number of students: 800.

UNION COLLEGE

BARBOURVILLE, KENTUCKY 40906
Telephone: 546-4151.
Founded 1879.

President: MAHLON A. MILLER.
Registrar: R. L. JONES, Jr.
Librarian: J. B. MCFERRIN.

The library contains 41,927 volumes.
Number of teachers: 63.
Number of students: 850.

UNIVERSITY OF KENTUCKY

LEXINGTON, KENTUCKY 40506
Telephone: 252-2200.
Founded 1865.

President: JOHN W. OSWALD, PH.D., LL.D.
Executive Vice-President: A. DEW. ALBRIGHT.
Vice-President for the Albert B. Chandler Medical Center: W. R. WILLARD, M.D., PH.D., D.SC.
Vice-President, Business Affairs and Treasurer: R. F. KERLEY, B.S.
Vice-President, University Relations: G. L. CREECH, M.S., PH.D.
Vice-President, Student Affairs: R. L. JOHNSON, M.S.P.H.
Provost: L. W. COCHRAN, M.S., PH.D. (acting).
Assistant Vice-President for Research Development: R. C. BARD, M.A., PH.D.
Assistant Vice-President for the Albert B. Chandler Medical Center: T. F. WHAYNE, M.D.
Dean of Admissions and Registrar: C. F. ELTON, M.A., PH.D.
Dean of Men: K. HARPER, M.A., PH.D.
Dean of Women: DORIS M. M. SEWARD, M.A., PH.D.
Director of Libraries: S. FORTH, M.A., PH.D.

Library: *see* Libraries.
Number of teachers: 1,025.
Number of students: approx. 12,500.

Publications: *Agricultural Experimental Station Bulletin, Bureau of Business Research Bulletin, Bureau of Community Service Bulletin, Bureau of Government Research Bulletin, Bureau of School Service Bulletin, Engineering Experiment Station Bulletin, Kentucky Alumnus, Kentucky Engineer, Kentucky Law Journal, Report to Kentucky Schools, Stylus, University of Kentucky Bulletin.*

DEANS:

College of Arts and Sciences: P. C. NAGEL, PH.D. (acting).
College of Agriculture and Home Economics: W. A. SEAY, M.S., PH.D.
College of Engineering: R. E. SHAVER, C.E.
College of Law: W. L. MATTHEWS, Jr., LL.M., S.J.D.
College of Education: L. V. GINGER, M.A., ED.D.
College of Commerce: C. F. HAYWOOD, M.A., PH.D.
College of Pharmacy: A. C. GLASSER, PH.D. (acting).
College of Medicine: MARCIA A. DAKE, M.A., ED.D.
College of Dentistry: A. L. MORRIS, D.D.S., PH.D.
University Extension: R. D. JOHNSON, M.A. in ED., ED.D.
School of Architecture: C. P. GRAVES, M.ARCH.
Graduate School: A. D. KIRWAN, M.A., PH.D.
Community College System: E. F. HARTFORD, M.A., ED.D.
- *Ashland Community College:* R. GOODPASTER, ED.D. (Director).
- *Elizabethtown Community College:* J. OWEN, ED.D. (Director).
- *Fort Knox Community College:* J. A. JONES, M.A. (Director).
- *Henderson Community College:* M. ARNOLD, ED.D. (Director).
- *Hopkinsville Community College:* T. RILEY, PH.D. (Director).
- *Northern Community College* (Covington): T. HANKINS, M.S. (Director).
- *Prestonburg Community College:* H. CAMPBELL, PH.D. (Director).
- *Somerset Community College:* L. DAVENPORT, ED.D. (Director).
- *Southeast Community College:* (Cumberland): J. FALKENSTINE, ED.D. (Director).

PROFESSORS:

College of Arts and Sciences

Literature, Philosophy, and Arts:
ADLER, J. H., PH.D., English
AMYX, C., M.A., Art
BARNHART, C. R., M.A., Art
BLACKBURN, A., M.M., Music
BLYTON, G., PH.D., English
BUTWELL, R. L., D.PHIL., Patterson School of Diplomacy
CHARRON, JEAN DANIEL, PH.D., Modern Foreign Languages
COOKE, A. L., PH.D., English
DEBOER, J., PH.D., Philosophy
DUNCAN, P. A., PH.D., Modern Foreign Languages
FITZGERALD, B., M.M., Music
FREEMAN, R. B., A.M., Art
HATHORN, R. Y., PH.D., Classics
HENDERSON, H. P., PH.D., Music
HERNANDEZ, J. E., PH.D., Modern Foreign Languages
KEATING, L. C., PH.D., Modern Foreign Languages
KINNEY, G. J., PH.D., Music
KIVINIEMI, A. J., M.A., Music
KUIPER, J., M.A., Philosophy
LEACH, M. D., Jr., B.L.S., Library Science
MOORE, A. K., PH.D., English
MURPHY, R. D., PH.D., Journalism
PATCH, N. M., M.M., Music
PLUMMER, L. N., PH.D., Journalism
RINGE, D. A., PH.D., English
SERVER, ALBERTA W., D. DE L'U., Modern Foreign Languages
SHINE, H., PH.D., English
SKILES, J. W. D., PH.D., Classics
STAPF, P., PH.D., Modern Foreign Languages
STROUP, T. B., PH.D., English
THOMPSON, L. S., PH.D., Classics
WALKER, T. C., PH.D., Modern Foreign Languages
WARD, W. S., PH.D., English
WHITAKER, P. K., PH.D., Modern Foreign Languages
WRIGHT, K. R., PH.D., Music

Social Studies:
CLARK, T. D., PH.D., History
CONE, C. B., PH.D., History
DEFLEUR, M. L., PH.D., Sociology
EATON, W. C., PH.D., History
ESSENE, F. J., PH.D., Anthropology
FAUST, G. P., PH.D., Anthropology
FIELD, T. P., PH.D., Geography
GLADDEN, J. W., PH.D., Sociology
HAMILTON, H., PH.D., History
HOPKINS, J. F., PH.D., History
KIRWAN, A. D., PH.D., History
MCCLOY, S. T., PH.D., History
NAGEL, P. C., PH.D., History
SCHWARTZ, D. W., PH.D., Anthropology
SCHWENDEMAN, J. R., PH.D., Geography
TRIMBLE, E. G., PH.D., Political Science
ULMER, S. S., PH.D., Political Science
WETZEL, H. E., M.A., Social Work

Physical Sciences:
ALCORN, J. P., B.S., Military Science
ATKINSON, F. V., PH.D., Mathematics and Astronomy
BROWN, E. V., PH.D., Chemistry
BROWN, W. R., PH.D., Geology
COCHRAN, L. W., PH.D., Physics
DAWSON, L. R., PH.D., Chemistry
DELAP, J. E., B.S., Aerospace Science
DEMARCUS, W. C., PH.D., Physics

EAVES, J. C., PH.D., Mathematics and Astronomy
ECKSTROM, H. C., PH.D., Chemistry
HAMMAKER, E. M., PH.D., Chemistry
HANAU, R., PH.D., Physics
KERN, B. D., PH.D., Physics
KROGDAHL, W., PH.D., Mathematics and Astronomy
MCELLISTREM M. T., PH.D., Physics
MCFARLAN, A. C., PH.D., Geology
MACQUOWN, W. C., Jr., PH.D., Geology
MEADOW, J. R., PH.D., Chemistry
NELSON, V. G., PH.D., Geology
ROYSTER, W. C., PH.D., Mathematics and Astronomy
SEARS, P. G., PH.D., Chemistry
SMITH, W. T., Jr., PH.D., Chemistry
WAGNER, W. F., PH.D., Chemistry
YOST, F. L., PH.D., Physics

Biological Sciences:
BALDWIN, J. N., PH.D., Microbiology
CALVIN, J. S., PH.D., Psychology
CARPENTER, J. M., PH.D., Zoology
CARR, MARTHA C., ED.D., Physical Education
DIMMICK, G. B., PH.D., Psychology
ESTES, BETSY W., PH.D., Psychology
HACKENSMITH, D. W., PH.D., Physical Education
HAMILTON, W. B., PH.D., Hygiene and Public Health
HARRIS, J. G., Jr., PH.D., Psychology
HUMPHRIES, J. C., PH.D., Microbiology
JOKL, E., M.D., Physical Education
KAUFFMAN, E., Jr., ED.D., Physical Education
MCCLELLAN, J. T., M.D., Microbiology
PATTIE, F. A., PH.D., Psychology
PISACANO, N. J., M.D., Hygiene and Public Health
RILEY, H. P., PH.D., Botany
RUCHMAN, I., PH.D., Microbiology
SCHERAGO, M., D.V.M., Microbiology
SEATON, D. C., ED.D., Physical Education
WEAVER, R. H., PH.D., Microbiology
WHITE, M. M., PH.D., Psychology

College of Agriculture and Home Economics:

BARNHART, C. E., PH.D., Animal Science
BEERS, H. W., PH.D., Rural Sociology
BONDURANT, J. H., PH.D., Agricultural Economics
BORTNER, C. E., M.S., Agronomy
BROWN, A. J., PH.D., Agricultural Economics
BROWN, J. S., PH.D., Rural Sociology
BRYANS, J. T., PH.D., Veterinary Science
BYERS, G. B., PH.D., Agricultural Economics
CARD, D. G., PH.D., Agricultural Economics
CHAPMAN, R. A., PH.D., Plant Pathology
COLEMAN, A. L., PH.D., Rural Sociology
COUGHENOUR, C. M., PH.D., Rural Sociology
DAVENPORT, O. M., M.S., Horticulture
DIACHUN, S., PH.D., Plant Pathology
DOLL, E. R., D.V.M., Veterinary Science
DRUDGE, J. H., D.V.M., Veterinary Science
DUTT, R. H., PH.D., Animal Science
FORD, T. R., PH.D., Rural Sociology
FREEMAN, T. R., PH.D., Dairy Science
GARRIGUS, W. P., PH.D., Animal Science
INSKO, W. M., Jr., M.S., Poultry Science
JACOBSON, D. R., PH.D., Dairy Science
JOHNSON, E. M., PH.D., Plant Pathology
KEMP, J. D., PH.D., Animal Science
MCCOLLUM, W. H., PH.D., Veterinary Science
MACLAURY, D. W., PH.D., Poultry Science
MARLATT, ABBY L., PH.D., Home Economics
MASSEY, H. F., Jr., PH.D., Agronomy
MOHR, H. C., PH.D., Horticulture
OLDS, D., PH.D., Dairy Science
OSWALD, J. W., PH.D., LL.D., Plant Pathology
PARKER, B. F., PH.D., Agricultural Engineering
PHILLIPS, C. D., PH.D., Agricultural Economics
REDMAN, J. C., PH.D., Agricultural Economics
RICHARDS, B., PH.D., Forestry
ROBERTS, J. B., M.S., Agricultural Economics
RODRIGUEZ, J. G., PH.D., Agricultural Entomology
ROONEY, J. R., D.V.M., Veterinary Science
RUDD, R. W., PH.D., Agricultural Economics
SEATH, D. M., PH.D., Dairy Science
SEAY, W. A., PH.D., Agronomy
SHUFFETT, D. M., PH.D., Agricultural Economics
SIGAFUS, R. E., PH.D., Agronomy
SMITH, J. A., PH.D., Public Information and Educational Aids
SMITH, E. D., PH.D., Agricultural Economics
STEELE, D. G., PH.D., Animal Science
STOKES, G. W., PH.D., Plant Pathology
SURVANT, W. G., PH.D., Agronomy
TEMPLETON, W. C., Jr., PH.D., Agronomy
TOWNSEND, L. H., PH.D., Agricultural Entomology
WALTMAN, C. S., PH.D., Horticulture
WEBSTER, G. T., PH.D., Agronomy
WOOLFOLK, P. G., PH.D., Animal Science

College of Engineering:

ALLISON, N. B., PH.D., Electrical Engineering
BLYTHE, D. K., M.C.E., Civil Engineering
CALAHAN, D. A., PH.D., Electrical Engineering
CARTER, N., PH.D., Mechanical Engineering
DRAKE, R. M., Jr., PH.D., Mechanical Engineering
ELSEY, E. E., M.E., Civil Engineering
GESUND, H., D.ENGR., Civil Engineering
HITE, S. C., PH.D., Chemical Engineering
HOFFMAN, C. K., C.E., Civil Engineering
JASWON, M. A., PH.D., Engineering Mechanics
KADABA, P. K., PH.D., Electrical Engineering
LANGE, K. O., D.ING., Mechanical Engineering
LAUDERDALE, R. A., Jr., PH.D., Civil Engineering
MANEY, C. T., M.S., Electrical Engineering
MATEER, R. S., PH.D., Metallurgical Engineering
MORY, S. A., Jr., C.E., Civil Engineering
ROMANOWITZ, H. A., PH.D., Electrical Engineering
SHAVER, R. E., C.E., Civil Engineering
STEWART, O. W., M.S., Mechanical Engineering
SWIFT, R. E., D.ENG., Metallurgical Engineering

College of Law:

GILLIAM, R. D., Jr., LL.B.
HAM, W. D., LL.M.
MATTHEWS, W. M., Jr., S.J.D.
MORELAND, R. M., S.J.D.
OBERST, P., LL.M.
RICHARDSON, J. R., LL.M.
WHITESIDE, F. W., Jr., LL.B.

College of Education:

CIERLEY, M. B., ED.D., Administration and Supervision
DIEHL, C. F., PH.D., Division of Curriculum
GINGER, L. V., ED.D., Counselling and Guidance, Administration and Supervision
KINCHELOE, J. B., PH.D., Administration and Supervision
MCDANIEL, E. D., PH.D., Foundations of Education
MARTIN, L. L., PH.D., Counselling and Guidance
MOORE, J. T., Jr., ED.D., Division of Curriculum
MUSSELMAN, V. A., ED.D., Division of Curriculum
OGLETREE, J. R., ED.D., Administration and Supervision
RAMSEY, W. Z., ED.D., Division of Curriculum
SEWARD, DORIS M., PH.D., Administration and Supervision
SORENSON, H., PH.D., Foundations of Education
STREET, W. P., PH.D., Administration and Supervision

College of Commerce:

BEALS, W. E., M.B.A., Business Administration
CARPENTER, C. C., PH.D., Economics
CARTER, L. H., PH.D., Economics
DEVOE, M., PH.D., Business Administration
FULMER, J. L., PH.D., Economics
HARGREAVES, H. W., PH.D., Economics
HAUN, R. D., J.D., Business Administration
HAYWOOD, C. F., PH.D., Economics
KRISLOV, J., PH.D., Economics
MASSIE, J. L., PH.D., Business Administration
MASTEN, J. T., PH.D., Economics
PICKETT, R. R., PH.D., Business Administration

College of Pharmacy:

GLASSER, A. C., PH.D., Pharmaceutical Chemistry
HOPKINS, H., PH.D., Pharmacy
WALTON, C. A., PH.D., Materia Medica

College of Medicine:

ALLEN, R. S., PH.D., Physiology and Biophysics
ARCHDEACON, J. W., PH.D., Physiology and Biophysics
BOLLUM, F. J., PH.D., Biochemistry
BOSOMWORTH, P. P., M.D., Anæsthesiology
BOST, H. L., PH.D., Community Medicine
BOYARSKY, L. L., PH.D., Physiology and Biophysics
BROWER, T. D., M.D., Surgery
CARLSON, L. D., PH.D., Physiology and Biophysics
CARNES, MARION A., M.D., Anæsthesiology
CLARK, D. B., M.D., PH.D., Neurology and Pædiatrics
COHN, J. E., M.D., Medicine, Physiology and Biophysics
CSAKY, T. Z., M.D., Pharmacology
DEUSCHLE, K. E., M.D., Community Medicine
EISEMAN, B., M.D., Surgery
FURCOLOW, M. L., M.D., Community Medicine
GILLILAN, LOIS A., PH.D., Anatomy
GORDON, H. A., M.D., Pharmacology
GREENE, J. W., Jr., M.D., Obstetrics and Gynæcology
ISBELL, H., M.D., Clinical Pharmacy, Medicine
MUELLING, R. J., Jr., M.D., Pathology
PARKER, J. B., Jr., M.D., Psychiatry
PARKS, H. F., PH.D., Anatomy
PEARSALL, MARION, PH.D., Behavioural Science
PELLEGRINO, E. D., M.D., Medicine
RAY, E. H., M.D., Surgery
ROSENBAUM, H. D., M.D., Radiology
SCHWEET, R. S., PH.D., Biochemistry
SCHWERT, G. W., PH.D., Biochemistry
SNOW, C. E., PH.D., Anatomy
SPENCER, F. C., M.D., Surgery
STEWART, W. B., M.D., Pathology
STORROW, H. A., M.D., Psychiatry
STRAUS, R., PH.D., Behavioural Science
WEISS, D. L., M.D., Pathology
WHAYNE, T. F., M.D., DR.P.H., Community Medicine

WHEELER, W. E., M.D., Pædiatrics
WIKLER, A., M.D., Psychiatry and Pharmacology
WILLARD, W. R., M.D., DR.P.H., D.SC., Community Medicine
WINTERNITZ, W. W., M.D., Medicine

College of Nursing:

DAKE, MARCIA A., ED.D., Nursing

College of Dentistry:

BARD, R. C., PH.D., Operative Dentistry, Cell Biology
BOHANNAN, H. M., D.M.D., Periodontics and Endodontics
COSTICH, E. R., D.D.S., PH.D., Oral Surgery
HICKEY, J. C., D.D.S., Prosthodontics
MINK, J. R., D.D.S., Pedodontics
MORRIS, A. L., D.D.S., PH.D., Oral Diagnosis and Oral Medicine
ROMANO, M. T., D.D.S., Operative Dentistry

School of Architecture:

GRAVES, C. P., M.ARCH., Architecture

UNIVERSITY OF LOUISVILLE

LOUISVILLE, KENTUCKY 40208

Founded 1798.

President: PHILIP G. DAVIDSON.
Exec. Vice-President: W. M. STRICKLER.
Vice-President for Planning and Development: W. J. MCGLOTHLIN.
Director, Division of Institutional Services: C. P. DUNBAR.
Dean of Women: DORIS STOKES.
Dean of Students: D. LAWRENCE.
Registrar: J. M. HOUCHENS.
Registrar Emeritus: R. E. HILL.
Librarian: W. S. YENAWINE.

Number of teachers: 487 (full-time).
Number of students: 10,500.
Publication: *The Cardinal.*

DEANS:

Arts and Sciences: R. L. BARBER.
Medicine: D. L. SMITH, M.D.
Law: J. MERRITT (acting).
Graduate School: (Vacant).
Dentistry: Dr. R. E. MYERS.
Engineering (Speed Scientific School): R. C. ERNST.
Music: R. WHITNEY.
Social Work (Graduate): K. W. KINDELSPERGER.
University College: W. C. HUFFMAN.
Business School: F. W. STAMM (acting).

URSULINE COLLEGE

3105 LEXINGTON ROAD,
LOUISVILLE, KENTUCKY 40206

Telephone: Area Code 502, 897-1811.

Founded 1938.

President: Sister M. ANGELICE SEIBERT, O.S.U., PH.D.
Dean of Admissions: Sister M. ALPHONSINE LESOUSKY, O.S.U., PH.D.
Librarian: Sister M. GIOVANNI EVERS, M.S. in L.S.

The library contains 43,000 volumes.
Number of teachers: 50.
Number of students: 500.

VILLA MADONNA COLLEGE

P.O. BOX 46,
COVINGTON, KENTUCKY 41012

Telephone: 261-6400.

Founded 1921.

President: Mgr. JOHN F. MURPHY.
Registrar: Sister MARY IRMINA, O.S.B.
Librarian: Sister M. TERESITA, O.S.B.

The library contains 46,000 volumes.
Number of teachers: 62.
Number of students: 1,442.

WESTERN KENTUCKY STATE COLLEGE

COLLEGE HEIGHTS,
BOWLING GREEN, KENTUCKY

Telephone: Area Code 502, 842-0341.

Founded 1906.

President: KELLY THOMPSON.
Registrar: R. LAZARUS.
Director of Library Services: SARA TYLER.

The library contains 160,000 volumes.
Number of teachers: 375.
Number of students: 6,803.

LOUISIANA

DILLARD UNIVERSITY

2601 GENTILLY BOULEVARD
NEW ORLEANS, LOUISIANA 70122

Telephone: 943-8861.

Founded 1869.

President: ALBERT W. DENT.
Registrar: W. H. BELL.
Director of Admissions: G. A. HUBERT.
Librarian: N. E. GAYMON.

The library contains 68,895 volumes.
Number of teachers: 70.
Number of students: 864.

GRAMBLING COLLEGE

GRAMBLING, LOUISIANA 71245

Telephone: 247-3761.

Founded 1901.

President: R. W. E. JONES.
Registrar: Mrs. RUBY W. BILLUPS.
Librarian: Dr. MARY W. HYMON.

The library contains 60,000 volumes.
Number of teachers: 159.
Number of students: 3,690.

LOUISIANA COLLEGE

1140 COLLEGE DRIVE
PINEVILLE, LOUISIANA 71360

Telephone: Area Code 318, 445-2485.

Founded 1906.

President: Dr. G. EARL GUINN.
Registrar: Miss DOROTHY CALHOON.
Librarian: Miss OLIVE ROBERTS.

The library contains 54,000 volumes.
Number of teachers: 60.
Number of students: 1,200.

LOUISIANA POLYTECHNIC INSTITUTE

RUSTON, LOUISIANA

Chartered 1894 as Louisiana Industrial Institute and College; name changed to Louisiana Industrial Institute 1898; to present name 1921.

President: F. JAY TAYLOR.
Business Manager: W. H. MCLAURIN, B.S.
Auditor: J. W. EVANS, B.S.
Registrar: MABEL MAY, M.A.
Librarian: E. J. SCHEERER, M.A., M.S.

The library contains 83,617 volumes.
Number of teachers: 240.
Number of students: 2,419 men, 1,079 women, total 3,498.

DEANS:

School of Agriculture and Forestry: M. H. FOLK, Jr., M.S.
School of Arts and Sciences: J. B. WILSON, M.A., PH.D.
School of Business Administration: B. R. RISINGER, M.B.A.
School of Education: C. T. WOODARD, M.A.
School of Engineering: B. T. BOGARD, M.S.
School of Home Economics: ALICE M. GRAHAM, M.S.

LOUISIANA STATE UNIVERSITY

BATON ROUGE, LOUISIANA

Telephone: DI 8-6511.

State Constitution 1845 as the Louisiana State Seminary of Learning. First sessions held 1860. Name changed by legislature to Louisiana State University 1870. Merged with the Agricultural and Mechanical College, which had been chartered 1873 and opened 1874.

President: JOHN A. HUNTER, PH.D.
Executive Vice-President: M. D. WOODIN, PH.D.
Registrar: A. L. CLARY, M.A.
Director of Librarian: T. N. MCMULLAN, M.S.

Number of teachers: 1,363.
Number of students (1963-64): 18,704.
Publications: *Louisiana Law Review, Louisiana Business Review, Rural Economist, Louisiana Agriculture, LSU Outlook.*

DEANS:

Vice-President and Dean of Academic Affairs: G. MURRAY.
Graduate School: M. GOODRICH.
Student Affairs: J. W. REDDOCH.
Junior Division: G. H. DEER, PH.D.
College of Agriculture: J. N. EFFERSON, PH.D.
College of Arts and Sciences: C. G. TAYLOR, PH.D.
College of Chemistry and Physics: A. R. CHOPPIN, PH.D.
College of Business Administration: W. D. ROSS, PH.D.
College of Education: L. L. FULMER, PH.D.

College of Engineering: (Vacant).
Law School: P. M. HEBERT, J.S.O.
School of Medicine (New Orleans): W. H. FRYE, PH.D., M.D. (Vice-President).
School of Social Welfare: E. E. KLEIN, PH.D. (Director).
School of Library Science: F. F. MORTON, M.A. (Director).
School of Music: E. TIMM, PH.D. (Director).
School of Forestry: P. Y. BURNS, PH.D. (Director).
School of Geology: H. V. HOWE, PH.D. (Director).
School of Journalism: F. J. PRICE, PH.D. (Director).
School of Home Economics: CLARA TUCKER, PH.D. (Director).
School of Vocational Education: C. L. MONDART, Sr., PH.D. (Director).
Louisiana State University (New Orleans): H. L. HITT, PH.D. (*Chancellor*).
Louisiana State University (Alexandria): M. N. ABRAMS, PH.D.

LOYOLA UNIVERSITY

NEW ORLEANS 18, LOUISIANA
Telephone: UN 6-5471.
Telegraphic Address:
Loyola University, New Orleans.

Founded 1849 as College of the Immaculate Conception, name changed later to Loyola College. Chartered as University 1912.

President: Rev. ANDREW C. SMITH, S.J.
Vice-President: Rev. E. A. DOYLE, S.J.
Treasurer: Rev. A. B. GOODSPEED, S.J.
Dean of Faculties: Rev. E. A. DOYLE, S.J.
Dean of Students: Rev. W. J. JUNKIN, S.J.
Registrar: H. O. CAZENTRE.
Director of Admissions: CARMEL V. DISCON.
Librarian: J. W. DYSON.

The library contains 202,869 volumes.
Number of teachers: 247.
Number of students: 1,912 men, 1,242 women, total 3,154.

DEANS:

College of Arts and Sciences: Rev. E. A. DOYLE, S.J.
College of Business Administration: H. J. ENGLER.
School of Dentistry: Dr. F. J. HOUGHTON.
School of Law: A. E. PAPALE.
College of Music: M. J. CARUBBA.
College of Pharmacy: Dr. E. J. IRELAND.
Evening Division: Dr. R. P. WITTE.

NORTHEAST LOUISIANA STATE COLLEGE

NORTHEAST STATION,
MONROE, LOUISIANA 71205
Telephone: Area Code 318, 325-6361.
Founded 1931.

President: GEORGE T. WALKER, PH.D.
Registrar: L. C. OXFORD, ED.D.
Librarian: Mrs. MAUD M. C. BENTRUP.

The library contains 86,293 volumes.
Number of teachers: 216.
Number of students (Fall 1964): 4,229.

NORTHWESTERN STATE COLLEGE OF LOUISIANA

NSC BOX NO. 1177,
NATCHITOCHES, LOUISIANA
Telephone: 5571, Ext. 329; 4447.
Founded 1884.

President: JOHN S. KYSER.
Registrar: O. R. CREW.
Librarian: D. N. MACKENZIE.

The library contains 142,000 volumes.
Number of teachers: 165 full-time, 85 supervisory.
Number of students: 4,700.

NOTRE DAME SEMINARY

2901 SOUTH CARROLLTON AVENUE,
NEW ORLEANS, LOUISIANA 70118
Telephone: UN 6-8822.
Founded 1923.

President: Very Rev. WILLIAM J. RAFTERY, S.M.
Registrar and Librarian: Rev. R. STAHL, S.M.

The library contains 50,000 volumes.
Number of teachers: 10.
Number of students: 137.

ST. MARY'S DOMINICAN COLLEGE

7214 ST. CHARLES AVENUE,
NEW ORLEANS, LOUISIANA 70118
Telephone: 866-8651.
Founded 1910.

President: Sister MARY LOUISE LEMOINE, O.P.
Registrar: Sister MARY ALEXAIDIA, O.P.
Librarian: Sister MARY REGINALD, O.P.

The library contains 50,000 volumes.
Number of teachers: 56.
Number of students: 512.

SOUTHEASTERN LOUISIANA COLLEGE

COLLEGE STATION,
HAMMOND, LOUISIANA
Telephone: 345-1400.
Founded 1925.

President: Dr. L. H. DYSON.
Registrar: C. J. HYDE.
Librarian: J. N. HEARD.

The library contains 77,966 volumes.
Number of teachers (1964–65): 235.
Number of students (Fall 1964): 4,073.

SOUTHERN UNIVERSITY AND AGRICULTURAL AND MECHANICAL COLLEGE

BATON ROUGE, LOUISIANA
Founded 1880.

President: FELTON G. CLARK.
Dean: E. C. HARRISON.
Registrar: J. J. HEDGEMON.
Librarian: Mrs. CAMILLE S. SHADE.

The library contains 190,000 volumes.
Number of teachers: 367.
Number of students: 7,439 (including 1,300 at New Orleans branch).
Publication: *Creative Research Bulletin.*

DEANS:

Arts and Sciences: R. L. OWENS.
College of Education: W. W. CLEM.
College of Agriculture: H. JACKSON.
Graduate School: B. JACKSON.
College of Engineering: H. L. THURMAN.
Law School: A. A. LENOIR.
Students: M. L. HARVEY.
Men: U. S. JONES.
Women: OLLIE B. MOORE.

TULANE UNIVERSITY OF LOUISIANA

NEW ORLEANS, LOUISIANA 70118
Telephone: 865-7711.

Medical College of Louisiana, chartered 1834. The State Constitution of 1845 ordained that a university be established in New Orleans and that the Medical College of Louisiana, as then organised, should constitute the Faculty of Medicine. In 1884 the name was changed to The Tulane University of Louisiana.

President: HERBERT E. LONGENECKER, PH.D., D.SC., LL.D.
Provost: M. E. LAPHAM, M.D.
Vice-Presidents: C. SCHEPS, PH.D., J. C. MORRIS, PH.D., F. Y. CAGLE, PH.D.
Secretary and Treasurer: A. P. GENERES.
Director of Admissions: C. W. WING, PH.D.
Director of Registration and Records: E. A. BATCHELDER.
Dean of Students: J. H. STIBBS, PH.D.
Director of Libraries: R. T. TALMADGE, M.S. IN L.S.

Library: *see* Libraries.
Number of teachers: 1,608.
Number of students (1962–63): 7,109.

Middle American Research Institute

Established 1924 as Department of Middle American Research (Mexico, Central America, West Indies, and the Bahamas) in anthropology, sociology, archæology, history, geography and political science.

Director: R. WAUCHOPE, PH.D.

Institute of Comparative Law

Established 1949.

Director: FERDINAND F. STONE, M.A., B.C.L., J.S.D.

DEANS AND DIRECTORS:

College of Arts and Sciences: J. E. GORDON, PH.D.
Newcomb College for Women: J. R. HUBBARD, M.A., PH.D.
School of Business Administration: C. J. GRAYSON, Jr., D.B.A.

School of Engineering: L. H. JOHNSON, M.A., S.M., SC.D.
School of Architecture: J. W. LAWRENCE, M.S.(ARCH.).
School of Law: C. MORGAN, LL.B.
Graduate School: J. L. SNELL, Jr., PH.D.
School of Medicine: C. C. SPRAGUE, M.D.
Associate Dean and Director, Division of Graduate Medicine: W. G. UNGLAUB, M.D.
Division of Hygiene and Tropical Medicine: J. C. S. PATERSON, M.D.
School of Social Work: W. L. KINDELSPERGER.
Summer School: T. T. EARLE, PH.D. (Director).
University College: J. P. DYER, PH.D.

PROFESSORS:

ADAMS, R. P., PH.D., English
ADRIANI, J., B.A., M.D., Anæsthesiology
ALFORD, ROBERTA M., A.B., Art History
ALLDREDGE, R. H., M.D., D.SC. (MED)., Clinical Orthopædics
ALLEN, J. H., M.D., M.S., Ophthalmology
ANÉ, J. N., M.D., Radiology
ARCHINARD, J. J., Jr., B.S., M.D., Clinical Medicine
ARROWSMITH, W. R., B.S., M.D., Clinical Medicine
ASSAD, T. J., PH.D., English
BACH, L. M. N., PH.D., Physiology
BAILEY, R. V., PH.D., Chemical Engineering
BAILKEY, N. M., PH.D., History
BAILLIF, R. N., PH.D., Anatomy
BALLARD, E. G., PH.D., Philosophy
BEACHAM, W. D., M.D., Clinical Obstetrics and Gynæcology
BEAVER, P. C., M.S., PH.D., Tropical Diseases and Parasitology
BECKJORD, P. R., M.B., M.D., D.P.H., Public Health Administration
BENSON, L. K., LL.B., Law
BILODEAU, E. A., PH.D., Psychology
BLESSEY, W. E., C.E., Civil Engineering
BOLES, W. McD., M.D., Clinical Ophthalmology
BOLLE, L. F., D.LITT., French
BOLLIER, E. P., PH.D., English
BOYCE, F. F., B.S., M.D., Clinical Surgery
BROWN, S. W., J.S.D., Civil Law
BROWN, W. B., PH.D., History
BURCH, G. E., M.D., Medicine
BURKS, J. W., Jr., M.D., M.S., Clinical Dermatology
BURNS, E., M.D., Clinical Urology
BURNS, K. F., PH.D., Veterinary Medicine
CAGLE, F. R., PH.D., Zoology
CAMPAGNA, M., M.D., Clinical Medicine
CAPERS, G. M., Jr., PH.D., History
CARNES, H. B., M.A., D.ENL., Foreign Trade and Business Communications
CASTRO SILVA, E. DE, M.A., Music
CHASE, G. C., B.A., Music (visiting)
CHRISTIAN, MILDRED G., PH.D., English
CLARK, W. H., Jr., M.D., Pathology
CLARK, W. B., M.D., Ophthalmology
CLAVERIE, L. B., A.B., LL.B., Law
CLIFFORD, A. H., PH.D., Mathematics
COLLET, G.-P., DR. ÈS LETTRES, French
COLLINS, C. G., M.D., M.S., F.A.C.S., Obstetrics and Gynæcology
COLLINS, J. H., M.D., B.S., Obstetrics and Gynæcology
CONRAD, P. F., PH.D., Mathematics
COPELAND, D. E., PH.D., Zoology
COUNTISS, E. H., B.S., M.D., Clinical Obstetrics and Gynæcology
CRANDALL, L. A., Jr., Clinical Psychiatry
CREECH, O., Jr., M.D., Surgery
CRONVICH, J. A., M.S., S.M., Biophysics and Electrical Engineering
CRUMPLER, T. B., PH.D., Chemistry
DAVIS, C. T., PH.D., History
DEENER, D. R., PH.D., Political Science
DELAUREAL, B. J., M.D., Clinical Medicine
DERBES, V. J. DEP., M.D., Dermatology
DUNLAP, C. E., A.B., M.D., Pathology
DYER, I., M.D., F.A.C.S., Obstetrics
DYER, J. P., PH.D., History
EARLE, T. T., PH.D., Botany
ECHOLS, D. H., PH.B., M.D., Clinical Neurosurgery
EDMONSON, M. S., PH.D., Anthropology
EGGLER, W. A., PH.D., Botany
EWAN, J. A., A.B., Botany
FAGLEY, T. F., PH.D., Chemistry
FEIBLEMAN, J. K., Philosophy (Graduate Professor)
FOGLE, R. H., PH.D., English
FORRESTER, W. R., J.D., Law
FRANKLIN, M., S.J.D., Law
FUEG, Lt.-Col. J. W., B.A., Military Science
GARCIA, M., M.D., Clinical Radiology
GICOVATE, B., PH.D., Spanish
GOLDSMITH, GRACE A., M.S., M.D., Medicine
GOLDSTEIN, H. K., D.S.W., Social Work
GRIFFITH, W. J., PH.D., History
GROBEN, MARGARET L., PH.D., German
GRULEE, C. G., Jr., B.M., M.D., Pædiatrics
HACK, M. H., PH.D., Medicine
HALLEY, D. MACD., A.M., Finance and Administration
HAMBURG, C. H., PH.D., Philosophy
HAMPTON, J. K., Jr., PH.D., Physiology
HANSEN, P. S., M.M., PH.D., Music
HEATH, R. G., D.M.SC., M.D., Psychiatry and Neurology
HENDRICKSON, G. W., M.F.A., Speech and Dramatic Art
HOGAN, W. R., PH.D., History
HOWARD, L. V., PH.D., Political Science
HOWERTON, DOROTHY, K., PH.D., Social Work
HRUBECKY, H. F., PH.D., Mechanical Engineering
HUBBARD, J. R., M.A., PH.D., History
HUBERT, L. D., Jr., B.A., LL.B., Law
HUSBAND, J. D., PH.D., English
IRION, A. L., M.A., PH.D., Psychology
JACOBS, S., M.D., Clinical Medicine
JAMES, F. G., PH.D., History
JOHNSON, C. G., M.D., Clinical Obstetrics and Gynæcology
JOHNSON, H. MCK., Geology and Geophysics
JOHNSON, L. H., S.M., SC.D., Civil Engineering
JONASSEN, H. B., M.S., PH.D., Chemistry
JORDAN, T. E., ED.D., Education
KARNES, T. L., PH.D., History
KELLER, F. L., PH.D., Resources
KINDELSPERGER, W. L., M.D., Social Welfare Policy
KING, A. R., PH.D., Anthropology
KITTREDGE, W. E., Jr., M.D., Clinical Urology
KREMENTZ, E. T., M.D., Surgery
KTSAMES, T., PH.D., Sociology
KUYPERS, J., A.B., Music
LAGUAITE, JEANETTE K., PH.D., Speech Pathology
LANG, S., LL.B., Law
LAPHAM, M. E., M.D., F.A.C.S., Obstetrics
LA VIOLETTE, F. E., PH.D., Sociology and Anthropology
LAWRENCE, J. W., M.S. (ARCH.), Architecture
LAWSON, E. H., M.D., Clinical Medicine
LEE, H. N., PH.D., Philosophy
LEMANN, B., PH.D., Architecture
LENNOX, R. H., M.D., Pædiatrics
LEWIS, MARY E., M.A., Public Welfare Administration
LEWIS, R. F., PH.D., Biostatics
LIEF, H. I., A.B., M.D., Psychiatry
LIPPMAN, M., PH.D., Theatre and Speech
LLEWELLYN, R. C., M.D., Neuro-Surgery
MCCLEAN, L. D., M.D., Clinical Dermatology
MCCONNELL, G., PH.D., Education
MACDONALD, F. W., S.B., C.E., D.P.H., Civil Engineering and Public Health
MCLAURIN, J. W., M.D., Oto-Laryngology
MCPEEK, G. S., M.M., PH.D., Music
MANN, A. S., M.D., Clinical Medicine
MASON, H. L., PH.D., Political Science
MATTHEWS, E. DE S., B.S., M.D., Clinical Medicine
MAYER, J. K., M.E., Mechanical Engineering
MAYERSON, H. S., PH.D., Physiology
MEYER, G. W., PH.D., English
MILLER, J. A., Jr., PH.D., Anatomy
MILLER, O. N., PH.D., Biochemistry and Medicine
MOGABGAB, W. J., M.D., Medicine
MORPHOS, P. P., M.A., PH.D., French
MORRIS, H. D., M.D., Clinical Orthopædics
MORRIS, J. C., PH.D., Physics
MORRISSEY, J. J., A.M., Music
MORROW, C. J., J.S.D., Law
MOSTERT, P. S., PH.D., Mathematics
NADLER, S. B., PH.D., M.D., Clinical Medicine
NEWELL, K. W., M.B., CH.B., D.P.H., Epidemiology (visiting)
NICE, C. M., Jr., M.D., PH.D., Radiology
OAKES, F. E., Physical Education
OPPENHEIM, L., M.A., M.C.L., S.J.D., Law
O'ROURKE, J. B., Jr., Lt.-Col., U.S.A.F., Air Science
OWENS, A. N., M.D., Clinical and Plastic Surgery
PATERSON, J. C. S., M.B., CH B., M.R.C.P., Prevention of Tropical and Semi-Tropical Diseases, Hygiene
PEACOCK, C. L., PH.D., Physics
PEERY, W. W., PH.D., English
PENICK, R. M., Jr., PH.D., M.D., Clinical Surgery
PENN, G. H., PH.D., Zoology
PIERCE, W. A., Jr., PH.D., Microbiology
PIZER, D., PH.D., English
PLATOU, R. V., M.S., M.D., Pædiatrics
POSTELL, W. D., M.S., Medical Bibliography
QUIGLEY, F. D., PH.D., Mathematics
RANKIN, H. F., PH.D., History
RECK, A. J., PH.D., Philosophy
REED, F. S., A.B., M.B.A., Marketing
REGENOS, G. W., PH.D., Classical Languages
REISSMAN, L., PH.D., Sociology
RIBNER, I., PH.D., English
ROBBINS, I. L., M.D., Clinical Medicine
ROLAND, C. P., PH.D., History
ROPPOLO, J. P., PH.D., English
ROSE, SYLVAN M., PH.D., Anatomy
ROTTY, R. MCG., M.S.(M.E.), M.S.(MET.), PH.D., Mechanical Engineering
SCHALES, O., D.SC., Biochemistry
SCHALLER, H. G., PH.D., Economics
SCHEPS, C., M.S., PH.D., Accounting
SCHLEGEL, J. U., M.D., PH.D., Urology
SCHMITT, H. A., PH.D., History
SCHUELER, F. W., PH.D., Pharmacology
SCHULHOFER, EDITH, M.S., LL.D., Social Work
SEAGO, DOROTHY W., PH.D., Psychology
SHAFFER, M. F., PH.D., Microbiology
SHAW, W. W., PH.D., Political Science
SILVERT, K. H., PH.D., Political Science
SIMMONS, G. E., A.M., Journalism
SKINNER, H. C., PH.D., Geology
SMITH, MARGARET H. D., M.D., Pædiatrics and Epidemiology
SNELL, J. L., PH.D., History
SOGIN, H. N., PH.D., Mechanical Engineering
SPRAGUE, C. C., M.D., Medicine

STEG, J. L., M.A., Art
STERNBERG, W. H., B.A., M.D., Pathology
STIBBS, J. H., PH.D., English
STONE, F. F., M.A., B.C.L., J.S.D., Law
STORCK, A. H., M.D., M.S., Clinical Surgery
STRUPPECK, J., M.A., Art
STUTKUS, R. D., PH.D., Zoology
SWEENEY, J. W., Industrial Management
TABB, H. G., B.S., Oto-Laryngology
TATRO, C. A., PH.D., Mechanical Engineering
TAYLOR, ALINE M., PH.D., English
TAYLOR, FRANCES McB., PH.D., Chemical Engineering
TRIVIGNO, P., M.A., Art
TSAI, L. S., PH.D., Psychology
TURNER, R. H., M.D., Medicine
TYRONE, C. H., M.D., Gynæcology
VINCENT, R. W., M.D., Clinical Plastic Surgery
VOKES, H. E., PH.D., Geology
VOLPE, E. P., PH.D., Zoology
VON LANGERMANN, GEORGINA J., M.D., Medicine
VOORHIES, N. W., M.D., Clinical Medicine
WAECHTER, A. J., LL.B., Law
WAGNER, W. A., M.D., Clinical Oto-Laryngology
WALLACE, A. D., PH.D., Mathematics
WAUCHOPE, R., PH.D., Anthropology
WEED, J. C., M.D., M.S., Clinical Obstetrics and Gynæcology
WEISSMAN, I., M.A., M.S.W., Social Work
WENDEL, W. B., PH.D., Biochemistry
WHITE, A. G. C., M.D., PH.D., Biochemistry
WICKSTROM, J. K., M.D., Orthopædics
WILLIAMS, T. E., Col., U.S.M.C., M.A., Naval Science
WIRTH, W. R., M.D., Clinical Medicine
WISDOM, J. M., A.B., LL.B., Law
WISSNER, H. K., PH.D., Economics and Industrial Relations
WRIGHT, F. B., PH.D., Mathematics
YOUNG, G. S., PH.D., Mathematics
ZARDOYA, MARÍA C., PH.D., Spanish
ZISKIND, M. M., M.D., Medicine

UNIVERSITY OF SOUTHWESTERN LOUISIANA

U.S.L. STATION,
LAFAYETTE, LOUISIANA 70560
Telephone: Area Code 318, 234-7321.
Founded 1898.

President: JOEL L. FLETCHER.
Registrar: J. TESTERMAN.
Librarian: K. TOOMBS.

The library contains 220,000 volumes.
Number of teachers: 394.
Number of students: 7,899.

MAINE

BATES COLLEGE

LEWISTON, MAINE 04240
Telephone: 207-782-0921.
Founded 1864.

President: Dr. CHARLES F. PHILLIPS.
Registrar: Miss MABEL LIBBY.
Dean of Admissions: M. LINDHOLM.
Librarian: IVA FOSTER.

The library contains 120,000 volumes.
Number of teachers: 59.
Number of students: 874.

BOWDOIN COLLEGE

BRUNSWICK, MAINE
Incorporated 1794.

President: JAMES S. COLES, PH.D., D.SC., LL.D.
Assistant to the President: P. S. WILDER, ED.M.
Treasurer: C. W. ALLEN, J.D.
Registrar: HELEN B. JOHNSON.
Bursar: T. M. LIBBY, A.B.
Dean of College: N. C. KENDRICK, PH.D.
Dean of Students: A. LE R. GREASON, PH.D.
Librarian: R. B. HARWELL, A.B.L.S.

The library contains 296,000 volumes.
Number of teachers: 80.
Number of students: 825 men.
Publications: *Bowdoin Alumnus* (bi-monthly), *Bowdoin College Bulletin* (yearly).

COLBY COLLEGE

WATERVILLE, MAINE
Founded 1813.

President: ROBERT E. L. STRIDER.
Vice-President: R. S. WILLIAMS.
Treasurer: A. W. SEEPE.
Librarian: K. BLAKE.

Number of teachers: 114, including 26 professors.
Number of students: 763 men, 540 women, total 1,303.
Publications: *Bulletin, About Colby.*

DEANS:

Faculty: E. P. JOHNSON.
Men: G. T. NICKERSON.
Women: FRANCES F. SEAMAN.
Admissions: H. CARROLL.

FARMINGTON STATE COLLEGE

FARMINGTON, MAINE 04938
Telephone: Area Code 207, 778-3348.
Founded 1864.

President: Dr. ERMO H. SCOTT.
Registrar and Dean of Admissions: D. F. WHITE.
Librarian: Miss MARGARET ARMSTRONG.

The library contains 34,000 volumes.
Number of teachers: 40.
Number of students: 610.

GORHAM STATE COLLEGE

COLLEGE AVENUE,
GORHAM, MAINE 04038
Telephone: 839-3351.
Founded 1878.

President: Dr. KENNETH T. H. BROOKS.
Registrar: A. SMITH.
Dean of Admissions: W. MUNSEY.
Librarian: MARJORIE EAMES.

The library contains 35,000 volumes.
Number of teachers: 75.
Number of students: 1,000.

NASSON COLLEGE

MAIN STREET,
SPRINGVALE, MAINE
Telephone: Area Code 207, 324-5340.
Founded 1912.

President: Dr. ROGER C. GAY.
Registrar: Mrs. DORIS REANDO.
Librarian: Mrs. LUELLA BENSON.

The library contains 30,000 volumes.
Number of teachers: 48.
Number of students: 580.

SAINT JOSEPH'S COLLEGE

NORTH WINDHAM, MAINE
Telephone: 892-6766.
Founded 1915.

President: Sister MARY CARMEL.
Registrar: Sister MARY ALINE.
Librarian: Sister JAMES MARIE.

The library contains 20,000 volumes.
Number of teachers: 24.
Number of students: 220.

UNIVERSITY OF MAINE

ORONO, MAINE
Telephone: Orono 8664441.
Founded 1865.

President: LLOYD H. ELLIOTT, D.ED.
Vice-President for Academic Affairs: H. A. PECK, PH.D.
Registrar and Director of Student Services: G. H. CROSBY, B.A.
Treasurer: H. W. GORDON, B.A.
Librarian: J. MACCAMPBELL.

Number of teachers: 369.
Number of students: 2,940 men, 1,450 women, total 4,390.
Publications: *Bulletin, Maine Studies, Agricultural Experimental Station Publications, Co-operative Extension Bulletins, Technology Experiment Station Publications.*

DEANS:

College of Agriculture: W. C. LIBBY, M.S.
College of Arts and Sciences: J. M. MURRAY, M.A., PH.D.
College of Technology: T. H. CURRY, PH.D., P.E.
College of Education and Director Summer Session: M. R. SHIBLES, M.ED., L.H.D., D.ED.
Graduate Study: F. P. EGGERT, M.S., PH.D.
University of Maine School of Law in Portland: E. S. GODFREY, A.B., LL.B.
Men: J. E. STEWART, M.A.
Women: MARY S. ZINK, M.A., PH.D.
Editor of University Publications: H. A. KEYO, B.S.

MARYLAND

COLUMBIA UNION COLLEGE

TAKOMA PARK,
MARYLAND 20012
Telephone: 589-2135.
Founded 1904.

President: Dr. WINTON H. BEAVEN.

Registrar: Miss EUNICE ROZEMA.
Librarian: T. G. WEIS.

The library contains 60,000 volumes.
Number of teachers: 109.
Number of students: 1,100.

COPPIN STATE COLLEGE

2500 WEST NORTH AVENUE,
BALTIMORE, MARYLAND 21216

Telephone: 523-1111.

Founded 1900.

President: Dr. PARLETT L. MOORE.
Registrar: Mrs. ANN MCKEE.
Librarian: Mrs. HILDA CLARK.

The library contains 41,000 volumes.
Number of teachers: 57.
Number of students: 380 day, 250 evening.

FROSTBURG STATE COLLEGE

COLLEGE AVENUE,
FROSTBURG, MARYLAND

Telephone: 689-6622.

Founded 1898.

President: JOHN H. MOREY.
Registrar: Miss LILLIAN WELLNER.
Director of Admissions: Miss ELISABETH HITCHINS.
Librarian: J. J. ZIMMERMAN.

The library contains 55,000 volumes.
Number of teachers: 102.
Number of students: 1,700.

GOUCHER COLLEGE

TOWSON, BALTIMORE 4,
MARYLAND

Founded 1885.

President: OTTO F. KRAUSHAAR.
Registrar: MILDRED COVEY.
Director of Admissions: MARY R. FLOWERS.
Librarian: SARAH D. JONES.

Number of teachers: 83, including 25 professors.
Number of students: 1,000 women.
Publications: *Weekly*, *Donnybrook Fair*, *Preface*, *Alumnae Quarterly*.

DEANS:

College: ELIZABETH GEEN.
Assistant Dean: ALICE J. REYNOLDS.
Students: MARTHA A. NICHOLS.

HOOD COLLEGE

FREDERICK, MARYLAND 21702

Founded 1893 as Women's College of Frederick; name changed 1913.

President: RANDLE ELLIOTT, A.B., A.M., PH.D., LL.D.
Vice-President and Treasurer: J. H. HOOPER.
Registrar: GRACE N. BROWN, A.M.
Librarian: KATHERINE E. DUTROW, A.B., B.S.

The library contains 72,800 volumes.
Number of teachers: 55, including 30 professors and associate professors.
Number of students: 775.
Publications: *Catalogue*, *Bulletin*, *Reporter* (newsletter).

DEANS:

Students: KATHARINE SHERRILL, A.M.
Faculty: MARY F. KEELER, A.M., PH.D.

JOHNS HOPKINS UNIVERSITY

BALTIMORE, MARYLAND 21218

Telephone: HO 7-3300.

Founded 1876.

President: MILTON S. EISENHOWER, LL.D., LITT.D., D.SC.
Executive Vice-President: P. S. MACAULAY, A.B.
Vice-President for Finance: B. J. PARTRIDGE.
Registrar: IRENE M. DAVIS, A.B.
Librarian: J. H. BERTHEL, M.A.
Johns Hopkins Press: H. INGLE, B.S. (Director).
Plant: W. A. TAYLOR (Manager).

Library: *see* Libraries.
Number of teachers: 1,691, including 205 full professors.
Number of students (1964–65): 10,251.

DEANS:

Homewood Schools: G. W. SHAFFER, PH.D.
Faculty of Philosophy: G. H. EVANS, Jr., PH.D.
School of Engineering: R. H. ROY, B.E.
Faculty of Medicine: T. B. TURNER, M.D.
School of Hygiene and Public Health: E. L. STEBBINS, M.D., M.P.H.
Evening College: R. A. MUMMA, ED.D.
School of Advanced International Studies: F. O. WILCOX, PH.D., DR.SC.POL.

DIRECTORS:

Admissions: R. P. BILGRAVE.
Alumni Relations: O. P. STEINWALD, A.B.
Applied Physics Laboratory: R. E. GIBSON, PH.D.
Editor, "J. H. Magazine": A. E. NEVILLE, B.A.
Institute for Co-operative Research: H. R. WARFIELD.
Public Relations: J. C. BUTLER.

PROFESSORS:

Faculty of Arts, Sciences and Engineering:
AINSWORTH, MARY D., PH.D., Psychology
ALLEN, D. C., PH.D., English
ANDERSON, C. R., PH.D., American Literature
BARKER, C. A., PH.D., American History
BARKER, S. F., PH.D., Philosophy
BEARDEN, J. A., PH.D., Physics
BEER, M., PH.D., Biophysics
BELL, J. F., B.A., Solid Mechanics
BENTON, G. S., PH.D., Meteorology
CARLSON, F. D., PH.D., Biophysics
CARTER, G. F., PH.D., Geography
CHANDLER, A. D., Jr., PH.D., History
CHAPANIS, A., PH.D., Psychology
CHOW, W.-L., DR.PHIL., Mathematics
CHRIST, C. F., PH.D., Political Economy
CLAUSER, F., PH.D., Aeronautics
CLOOS, E., PH.D., Structural Geology
COLEMAN, E., A.B., English Writing
COLEMAN, J. S., PH.D., Social Relations
COOK, T. I., PH.D., Political Science
COOPER, H. E., PH.D., Accounting
COPE, J. I., PH.D., English
CORRSIN, S., PH.D., Fluid Mechanics
CORWIN, A. H., PH.D., SC.D., Chemistry
DEESE, J. H., PH.D., Psychology
DIETZE, G., DR. JUR., PH.D., S.J.D., Political Science
DONALD, D., PH.D., History
DONNAY, J. D. H., PH.D., Crystallography and Mineralogy
DUNCAN, A. J., PH.D., Statistics
DUNCAN, D. B., PH.D., Statistics
EBERT, J. D., PH.D., Biology
EDELMAN, N., PH.D., Romance Languages
EMMETT, P. H., PH.D., SC.D., Chemistry
ERICKSON, J. R., PH.D., Theoretical Mechanics
EUGSTER, H. P., DR.SCI.NAT., Theology
EVANS, G. H., Jr., PH.D., Political Economy
FELDMAN, G., PH.D., Physics
FITZGERALD, E. R., PH.D., Mechanics
FLAGLE, C. D., D.ENG., Industrial Engineering
FULTON, T., PH.D., Physics
GARNER, W. R., PH.D., Psychology
GEYER, J. C., DR.ENG., Environmental Engineering Science
GINSBURG, R. B., PH.D., Oceanography and Geology
GIRARD, R., PH.D., Romance Languages
HAMBURGER, F., Jr., DR.ENG., Electrical Engineering
HARRINGTON, W. F., PH.D., Biology
HARTLINE, F. H., Col., S.S., Military Science
HARTMAN, P., PH.D., Mathematics
HARTMAN, P. E., PH.D., Biology
HATCHER, ANNA G., PH.D., Romance Languages
HUGGINS, W. H., SC.D., Electrical Engineering
HUNT, C. B., B.S., Geography
IGUSA, J.-I., PH.D., Mathematics
JAGENDORF, A. T., PH.D., Biology
JANTZ, H., PH.D., German
KERR, D. E., PH.D., Physics
KIMBALL, A. W., PH.D., Statistics
KOSKI, W. S., PH.D., Chemistry
KOVASZNAY, L. S. G., DR.TECH.SC., Aeronautics
LANCASTER, K. J., PH.D., Political Economy
LANE, F. C., PH.D., History
LARRABEE, M. G., PH.D., Biophysics
LEWIS, D. C., PH.D., Applied Mathematics
LONG, R. R., PH.D., Fluid Mechanics
LOWE, V. A., PH.D., Philosophy
MCCLAIN, W. H., PH.D., German
MCELROY, W. D., PH.D., Biology
MACNICHOL, E. F., Jr., PH.D., Biophysics
MADANSKY, L., PH.D., Physics
MANDELBAUM, M., PH.D., Philosophy
MAUTNER, F. I., PH.D., Mathematics
MILLER, J. H., PH.D., English
MILLS, E. S., PH.D., Political Economy
MONTGOMERY, R. B., SC.D., Oceanography
NADDOR, E., PH.D., Operations Research and Industrial Engineering
NASON, A., PH.D., Biology
NICKON, A., PH.D., Chemistry
OLIVER, J. H., PH.D., Greek
OWEN, G. E., PH.D., Physics
PARR, R. G., PH.D., Chemistry
PETTIJOHN, F. J., PH.D., Geology
PEVSNER, A., PH.D., Physics
PHILLIPS, O. M., PH.D., Geophysical Mechanics
POULTNEY, J. W., PH.D., Classics
PRICE, K., PH.D., Philosophy and Education
PRITCHARD, D. W., PH.D., Oceanography
RASETTI, F. D., PH.D., Physics
RENN, C. E., PH.D., Environmental Engineering Science

RIVERS, E. L., PH.D., Romance Languages
ROSEMAN, S., PH.D., Biology
ROURKE, F. E., PH.D., Political Science
ROWELL, H. T., PH.D., Classics
ROY, R. H., B.E., Industrial Engineering
SAMPSON, J. H., PH.D., Mathematics
SHAFFER, G. W., PH.D., Psychology
SINGLETON, C., PH.D., Humanistic Studies
SPRING, D., PH.D., History
STEPHENS, J. M., PH.D., Education
STRAUS, W. L., Jr., PH.D., Anatomy and Physical Anthropology
STRONG, J. D., PH.D., Experimental Physics
SUSKIND, S. R., PH.D., Biology
SWANSON, C. P., PH.D., Botany
SWISHER, C. B., PH.D., Political Science
THOMAS, C. A., PH.D., Biophysics
TORGERSON, W., PH.D., Psychology
TRUESDELL, C., PH.D., Rational Mechanics
TUCKER, R. W., PH.D., Political Science
WAGNER, P. V., PH.D., Electrical Engineering
WALTON, J., PH.D., Education
WARD, J. C., PH.D., Physics
WASSERMAN, E. R., PH.D., English
WATSON, G. S., PH.D., Mathematical Statistics
WHITE, E. H., PH.D., Chemistry
WOLMAN, M. G., PH.D., Geography
WOOLF, H., PH.D., History of Science
YOUNG, J. H., PH.D., Archæology

Faculty of Medicine:
ASPER, S. P., Jr., M.D., Medicine
BAKER, B. M., Jr., M.D., Medicine
BARNES, A. C., M.D., Gynæcology and Obstetrics
BENNETT, I. L., Jr., M.D., Pathology
BENSON, D. W., M.D., Anæsthesiology
BODIAN, D., M.D., Anatomy
BORDLEY, J. E., J.D., Laryngology and Otology
CHILDS, B., M.D., Pædiatrics
CLUFF, L. E., M.D., Medicine
CONLEY, C. L., M.D., Medicine
COOKE, R. E., M.D., Pædiatrics
DINTZIS, H. M., PH.D., Biophysics
EBERT, J. D., PH.D., Embryology
EDGERTON, N. T., M.D., Plastic Surgery
EISENBERG, L., M.D., Child Psychiatry
ELKES, J., M.D., Psychiatry
FRANK, J. D., PH.D., M.D., Psychiatry
HARRISON, H. E., M.D., Pædiatrics
HARVEY, A. McG., M.D., Medicine
HOWARD, J. E., M.D., Medicine
KIMBALL, A. W., PH.D., Biomathematics
LANGDON, R. C., M.D., PH.D., Physiological Chemistry
LEHNINGER, A. L., PH.D., Physiological Chemistry
McKUSICK, V. A., M.D., Medicine
MAUMENEE, A. E., M.D., Ophthalmology
MAYER, M. M., PH.D., Microbiology
MORGAN, R. H., M.D., Radiology
MOUNTCASTLE, V. B., M.D., Physiology
PERLIN, S., M.D., Psychiatry
RAVITCH, M. M., M.D., Surgery
ROBINSON, R. A., M.D., Orthopædic Surgery
ROSS, R. S., M.D., Medicine
ROWE, R. D., M.B., Pædiatrics
SCOTT, W. W., M.D., PH.D., Urology
SHELDON, W. H., M.D., Pathology
STRAUS, W. L., Jr., PH.D., Anatomy
TALALY, P., M.D., Pharmacology
TEMKIN, O., M.D., History of Medicine
TUMULTY, P. A., M.D., Medicine
TURNER, T. B., M.D., Microbiology
WAGNER, R. R., M.S., Microbiology
WALKER, A. E., M.D., Neurological Surgery
WILLIAMS-ASHMAN, H. G., PH.D., Pharmacology
WOOD, W. B., Jr., M.D., Microbiology
ZIERLER, K. L., M.D., Medicine
ZUIDEMA, G. D., M.D., Surgery

School of Hygiene and Public Health:
BAETJER, ANNA M., SC.D., Environmental Medicine
BANG, F. B., M.D., Pathobiology
BEERS, R. F., Jr., M.D., Radiological Science
BORDLEY, J. E., M.D., Environmental Medicine
BUEDING, E., M.D., Pathobiology
DUNCAN, D. B., PH.D., Biostatistics
FEREMAN, RUTH B., ED.D., Public Health Administration
FLAGLE, C. D., D.ENG., Public Health Administration
GEYER, J. C., DR.ENG., Sanitary Engineering
HANKS, J. H., PH.D., Pathobiology
HARPER, P. A., M.D., M.P.H., Maternal and Child Health
HERRIOTT, R. M., PH.D., Biochemistry
HUME, J. C., M.D., DR.P.H., Public Health Administration
KIMBALL, A. W., PH.D., Biostatistics
KLARMAN, H. E., PH.D., Public Health Administration
KRUSE, C. W., M.S.S.E., DR.PH.D., Sanitary Engineering
LEMKAU, P. V., M.D., Mental Hygiene
LILIENFELD, A. M., M.D., M.P.H., Chronic Diseases
MORGAN, R. H., M.D., Radiological Science
PRICE, W. H., PH.D., Epidemiology
PROCTOR, D. F., M.D., Environmental Medicine
RENN, C. E., M.S., PH.D., Sanitary Engineering
RILEY, R. L., M.D., Environmental Medicine
ROZEBOOM, L. E., SC.D., Medical Entomology
SARTWELL, P. E., M.D., M.P.H., Epidemiology
STEBBINS, E. L., PH.D., M.P.H., Public Health Administration
TAYLOR, C. E., M.D., Public Health Administration
WATSON, G. S., PH.D., Biostatics
WHITE, K. L., M.D., Public Health Administration
WRIGHT, R. D., M.D., Public Health Administration

School of Advanced International Studies:
COOK, T. D., PH.D., Political Science
DREIER, J. C., A.B., Latin American Affairs
FRANK, I., PH.D., International Economics
HAINES, C. G., PH.D., Diplomatic History
JOHNSON, E. A. J., PH.D., Economic History
JOHNSTONE, W. C., Jr., PH.D., Asian Studies
KHADDURI, M., PH.D., Middle East Studies
LINEBARGER, P., M.A., PH.D., Asiatic Politics
LISKA, G., PH.D., Political Science
LYSTAD, R. A., PH.D., African Studies
McKAY, V., PH.D., African Studies
OSGOOD, R. C., PH.D., American Foreign Relations
TUCKER, R. W., PH.D., Political Science
WILCOX, F. O., PH.D., DR.SC.POL., LL.D., International Organisation and American Diplomacy

LOYOLA COLLEGE

4501 NORTH CHARLES STRE
BALTIMORE, MARYLAND 21

Telephone: Id 5-2500.

Founded 1852.

President: Very Rev. JOSEPH SELLINGER, S.J.
Deans of Admission: Miss No SMITH (Day Sessions), Rev. G COSTELLO, S.J. (Evening and Gr ate Division).
Librarian: Rev. W. DAVISH, S.J.

The library contains 63,000 volu
Number of teachers: 153.
Number of students: 2,539.

MARYLAND STATE COLLEGE

(Division of the University of Maryla

PRINCESS ANNE, MARYLAN

Telephone: 301-651-2200.

Founded 1886.

President: Dr. JOHN T. WILLIAMS.
Registrar: Mrs. VIOLET J. WOOD.
Librarian: Mrs. OLIE A. CARPENTE

The library contains 45,000 volum
Number of teachers: 52.
Number of students: 650.

MOUNT SAINT AGNES COLLEGE

MOUNT WASHINGTON,
BALTIMORE, MARYLAND 2120

Telephone: MOhawk 4-4000.

Founded 1890.

President: Sister MARY CLEOPHA R.S.M.
Registrar: Mrs. MARY L. RUDIGIER.
Librarian: Miss MARY E. NICHOLS.

The library contains 35,000 volumes
Number of teachers: 52.
Number of students: 500.

MOUNT SAINT MARY'S COLLEGE

EMMITSBURG, MARYLAND

Telephone: Area Code 301, Hillcrest 7-3111.

Founded 1808.

President: Rt. Rev. ROBERT R. KLINE, PH.D.
Registrar: G. BAKER.
Librarian: Rt. Rev. H. J. PHILLIPS.

The library contains 90,000 volumes.
Number of teachers: 65.
Number of students: 820.

SAINT JOHN'S COLLEGE

ANNAPOLIS, MARYLAND

Founded (as King William School) 1669.

President: RICHARD D. WEIGLE.
Dean: J. S. KIEFFER.
Assistant to the President: T. PARRAN, Jr.
Treasurer: C. T. ELZEY.
Registrar: J. M. TOLBERT.
Librarian: CHARLOTTE FLETCHER.

The library contains 60,000 volumes (approx.).

Number of teachers: 25.
Number of students: 325.
For Santa Fe branch *see under* New Mexico, below.

SAINT JOSEPH COLLEGE

EMMITSBURG, MARYLAND

Telephone: Area Code 301, Hillcrest 7-3111.

Founded 1809.

President: Sister ROSEMARY PFAFF.
Name of Registrar: Sister FELICIA.
Director of Admissions: Sister MARIE THERESE.
Librarian: Sister MARGARET MARY.

The library contains 38,000 volumes.
Number of teachers: 70.
Number of students: 655.

ST. MARY'S SEMINARY AND UNIVERSITY

ROLAND PARK, BALTIMORE, MARYLAND 21210

Telephone: 301-323-3200.

Founded 1791.

President: Very Rev. LLOYD P. McDONALD.
Registrar: Rev. J. R. SULLIVAN.
Librarian: Rev. J. M. BURNS.

The library contains 130,000 volumes.
Number of teachers: 52.
Number of students: 800.

SALISBURY STATE COLLEGE

SALISBURY, MARYLAND

Telephone: Pioneer 9-7191.

Founded 1925.

President: WILBUR DEVILBISS.
Registrar: DOROTHY L. POWELL.
Librarian: GRACE S. CHAIRES.

The library contains 50,000 volumes.
Number of teachers: 36.
Number of students: 625.

TOWSON STATE COLLEGE

YORK ROAD, TOWSON, MARYLAND 21204

Telephone: 823-7500.

Founded 1866.

President: EARLE T. HAWKINS.
Registrar: J. L. MOORE.
Director of Admissions: D. J. SLOWINSKI.
Librarian: Miss DOROTHY W. REEDER.

The library contains 85,000 volumes.
Number of teachers: 176.
Number of students: 3,632.

UNITED STATES NAVAL ACADEMY

ANNAPOLIS, MARYLAND 21402

Founded 1845.

Superintendent: Rear Admiral DRAPER L. KAUFFMAN, U.S.N.
Commandant of Midshipmen: Capt. S. H. KINNEY, U.S.N.
Academic Dean: A. B. DROUGHT, B.E., M.A., M.S., S.D.(ELEC.ENG.), P.E.
Dean of Admissions: Senior Prof. W. S. SHIELDS, M.A., PH.D.
Registrar: Prof. E. T. HEISE, B.A., M.A.
Director of Museum: Capt. D. T. MAYBERRY, B.S., U.S.N. (Retd.).
Librarian: Prof. V. D. TATE, A.B., M.A., PH.D.

The library contains 180,000 volumes.
Number of teachers: 575.
Number of students (midshipmen): 4,180.
Publications: *Annual Register, Catalogue of Information, Faculty Notes.*

ASSISTANT DEANS:

Students: Capt. D. M. KARCHER, M.S., U.S.N.
Faculty: Capt. W. TAYLOR, M.S., U.S.N.

HEADS OF DEPARTMENTS:

Executive: Capt. H. H. RIES, B.S., U.S.N.
Physical Education: A. R. CAMERON, B.S., U.S.N.
Naval Science: Capt. J. M. TULLY, Jr., B.S., U.S.N.
Weapons: Capt. A. H. McCAIN, B.S., U.S.N.
Naval Hygiene: Capt. J. A. SYSLO, M.D., M.C., U.S.N.
Mathematics: Capt. E. H. MALLICK, B.S., M.S., U.S.N.
Science: Capt. C. H. BOWEN, Jr., B.S., M.S., U.S.N.
Engineering: Commdr. W. J. FRANCY, PH.D., C.E.C., U.S.N.
English, History and Government: Capt. W. HOOF, B.S., M.S., U.S.N.
Foreign Languages: Capt. R. S. HAYES, B.S., M.A., U.S.N.

UNIVERSITY OF MARYLAND

COLLEGE PARK, PRINCE GEORGE'S COUNTY AND BALTIMORE, MARYLAND

Founded 1807.

President: WILSON H. ELKINS, PH.D.
Executive Vice-President: A. O. KUHN, PH.D.
Vice-President for Academic Affairs: R. L. HORNBAKE, PH.D.
Director of Admissions and Registration: G. W. ALGIRE, M.S.
Director of Finance and Business: C. W. CISSEL, M.A.
Registrar: J. P. HILL, ED.M.
Librarian: H. ROVELSTAD, M.A., B.S.L.S.

The library contains 552,000 volumes.
Number of teachers: 2,393.
Number of students: 30,879, with an additional 34,199 registered in overseas centres.

DEANS:

College of Arts and Sciences: C. MANNING, PH.D. (acting).
College of Agriculture: G. M. CAIRNS, PH.D.
College of Business and Public Administrate: D. W. O'CONNELL, PH.D.
College of Education: V. E. ANDERSON, PH.D.
College of Engineering: F. T. MAVIS, PH.D.
College of Home Economics: SELMA F. LIPPEATT, PH.D.
University College: R. EHRENSBERGER, PH.D.
College of Physical Education, Recreation and Health: L. M. FRALEY, PH.D.
Graduate School: R. BAMFORD, PH.D.
School of Dentistry: J. H. SALLEY, D.D.S.
School of Law: W. P. CUNNINGHAM, LL.B.
School of Medicine: W. S. STONE, M.D.
School of Pharmacy: N. E. FOSS, PH.D.
School of Nursing: FLORENCE M. GIPE, M.S., R.N.
Men: G. EPPLEY, M.S.
Women: HELEN E. CLARKE, ED.D.
Executive Dean for Student Life: B. J. BORRESON, B.A.

At College Park

Colleges of Agriculture, Arts and Science, Business and Public Administration, Education, Engineering, Home Economics, Military Science, Nursing, Physical Education, Recreation and Health, University College, the Graduate School, Summer Sessions, Agricultural Experiment Station, Agricultural and Extension Service, Natural Resources Institute, Fire Service Extension; Institute for Fluid Dynamics and Applied Mathematics.

At Baltimore

Schools of Dentistry, Law, Medicine, Nursing, Pharmacy, University Hospital, University College, School of Social Work; the Board of Regents serves as Maryland State Board of Agriculture.

WASHINGTON COLLEGE

CHESTERTOWN, MARYLAND 21620

Telephone: Area Code 301, 778-2800.

Founded 1782.

President: Dr. DANIEL Z. GIBSON.
Registrar: E. FOSTER.
Director of Admissions: H. GRAY.
Librarian: R. G. BAILEY.

The library contains 70,000 volumes (approx.).
Number of teachers: 48.
Number of students: 610.

WESTERN MARYLAND COLLEGE

WESTMINSTER, MARYLAND 21157.

Telephone: 848-7000.

Founded 1867.

President: LOWELL S. ENSOR.
Registrar: MARTHA E. MANAHAN.
Librarian: ELIZABETH SIMKINS.

The library contains 68,000 volumes.
Number of teachers: 67.
Number of students: 830.

WOODSTOCK COLLEGE

WOODSTOCK, MARYLAND 21163

Telephone: DAvis 8-2101.

Founded 1869.

President: Very Rev. FELIX F. CARDEGNA, S.J.

Registrar: Rev. T. J. TOLAND, S.J.
Librarian: F. L. SAMSON.

The library contains 150,000 volumes.
Number of teachers: 31.
Number of students: 235.

MASSACHUSETTS

AMERICAN INTERNATIONAL COLLEGE

SPRINGFIELD, MASSACHUSETTS 01109
Telephone: 737-5331
Founded 1885.

President: JOHN F. HINES.
Registrar and Dean of Admissions: Mrs. ESTHER F. HANSEN.
Librarian: Miss EVELYN E. JACKSON.

The library contains 58,000 volumes.
Number of teachers: 80.
Number of students: 1,600.

AMHERST COLLEGE

AMHERST, MASSACHUSETTS 01002
Telephone: Alpine 3-2561.
Founded 1821; Chartered 1825.

President: CALVIN H. PLIMPTON, M.D., M.A., MED.SCI.D., LL.D., SC.D., L.H.D.
Treasurer: S. F. TEELE, M.B.A., D.C.S., SC.D., L.H.D.
Business Manager: M. GROSE, B.A.
Secretary: H. W. HEWLETT, M.A.
Registrar: R. F. GROSE, PH.D.
Comptroller: G. B. MAY, B.A.
Librarian: N. F. MCKEON, M.A.
Dean: C. S. PORTER, M.A., L.H.D.
Associate Dean: W. L. SWARTZBAUGH, PH.D.
Assistant Dean: N. REED, PH.D.
Dean of Admission: E. S. WILSON, B.A.
Assistant Dean of Admission: C. VAN R. HALSEY, PH.D.

The library contains 360,000 volumes.
Number of teachers: 157.
Number of students: 1,200 men only.

ANNA MARIA COLLEGE FOR WOMEN

PAXTON, MASSACHUSETTS 01612
Telephone: 617-757-4586.
Founded 1946.

President: Sister IRENE MARIE, S.S.A.
Registrar: Sister M. ROSE ISABEL, S.S.A.
Librarian: Sister M. LAURENCE OF JESUS, S.S.A.

The library contains 20,550 volumes.
Number of teachers: 53.
Number of students: 546.

ASSUMPTION COLLEGE

500 SALISBURY STREET, WORCESTER, MASSACHUSETTS 01609
Telephone: 752-5615.
Founded 1904.

President: Very Rev. LOUIS F. DION, A.A.
Director of Admissions: L. J. RIORDAN.
Librarian: Rev. A. A. DESCHAMPS, A.A.

The library contains 60,000 volumes.
Number of teachers: 48.
Number of students: 815.

ATLANTIC UNION COLLEGE

SOUTH LANCASTER, MASSACHUSETTS 01561
Telephone: 365-4561.
Founded 1882.

President: ROBERT L. REYNOLDS.
Registrar: Mrs. KAREN K. HICKS.
Librarian: O. R. SCHMIDT.

The library contains 54,000 volumes.
Number of teachers: 60.
Number of students: 733.

BABSON INSTITUTE OF BUSINESS ADMINISTRATION

BABSON PARK, WELLESLEY, MASSACHUSETTS 02157
Telephone: 235-1200.
Founded 1919.

President: Dr. HENRY A. KRIEBEL.
Dean of Admissions: F. WINCH, II.
Librarian: Mrs. MARJORIE W. MACLEOD.

The library contains 36,000 volumes.
Number of teachers: 37.
Number of students: 760.

BOSTON COLLEGE

CHESTNUT HILL, MASSACHUSETTS

Founded 1863 by the Society of Jesus.

President: Rev. MICHAEL P. WALSH, S.J., PH.D.
Vice-President and Treasurer: Rev. T. FLEMING, S.J.
Academic Vice-President: Rev. C. J. DONOVAN, S.J.
Director of Libraries: Rev. B. C. CONNOLLY, S.J.

The library contains 624,378 volumes.
Number of teachers: 771, including 82 full professors.
Number of students: 7,973 men, 3,867 women, total 11,840.
Publications: *Heights, Stylus, Humanities, The Scope, Annual Survey of Massachusetts Law, Industrial and Commercial Law Review, Journal of Business, Cosmos.*

DEANS:

College of Arts and Sciences: Rev. J. R. WILLIS, S.J., S.T.D. (Acting Dean).
Graduate School of Arts and Sciences: Rev. J. A. DEVENNY, S.J., PH.D.
College of Business Administration: Rev. W. S. JOYCE, S.J., PH.D.
Graduate School of Business Administration: Rev. W. S. JOYCE, S.J., PH.D.
Evening College of Arts, Sciences, and Business Administration: Rev. C. M. CROWLEY, S.J., A.M., M.S.
School of Education: Rev. C. F. DONOVAN, S.J., PH.D.
School of Nursing: RITA P. KELLEHE[R], R.N., M.ED.
Law School: Rev. R. F. DRINAN, S.[J.], LL.M.
School of Social Work: Rev. J. [...] DRISCOLL, S.J., PH.D.
Summer Session: Rev. R. F. HOEY, S.[J.], A.M.
School of Liberal Arts, Lenox, Mas[s.]: Rev. P. A. SULLIVAN, S.J., PH.D.
School of Philosophy, Weston, Mas[s.]: Rev. R. F. O'NEILL, S.J., PH.D.
School of Theology, Weston, Mass.: Re[v.] J. J. WALSH, S.J., S.T.D.

BOSTON UNIVERSITY

BOSTON, MASSACHUSETTS 022[1...]
Telephone: 262-4300.
Founded 1839, Chartered 1869.

President: HAROLD C. CASE, S.T.B[.], D.D., LITT.D., SC.D., LL.D., L.H.D.
Vice-Presidents: E. WALTERS, A.B[.], A.M., PH.D. (Academic Affairs), J. W[.] YEO, PH.D. (Student Affairs), K. M[.] HERTZFELD, A.B., M.B.A. (Admin[is]trative Affairs), L. E. KAU[...] (Development), (Vacant) (Universit[y] Affairs).
Executive Assistant to the Presiden[t]: MARGARET H. MERRY, A.B., M.A[.], PH.D.
Librarian: G. A. HARRER, Jr., A.B[.], M.A., PH.D.

The library contains 580,000 volume[s].
Number of teachers: 863 full-time[,] total 2,370.
Number of students: 12,247 full time, 10,912 part-time, 9,812 extensio[n] and summer, total 32,971.

DEANS:

College of Liberal Arts: R. M. MILLARD[,] PH.D.
College of Business Administration[:] J. W. KELLEY, PH.D. (acting).
School of Fine and Applied Arts: E. E. STEIN, PH.D.
Sargent College: G. K. MAKECHNIE, ED.M.
College of Basic Studies: H. M. LAFAUCI, ED.D.
School of Theology: W. G. MUELDER, PH.D.
School of Law: E. H. HETTRICK, LL.D.
School of Education: J. R. CHILDRESS, M.S., PH.D.
School of Medicine: S. S. GELLIS, M.D. (acting).
School of Public Communications: G. D. WEIBE, A.B., M.A., PH.D.
School of Social Work: J. MCDOWELL, B.D.
School of Nursing: ANNE K. KIBRICK, ED.D.
Graduate School: R. S. BEAR, PH.D.
College of Engineering: A. T. THOMPSON.
School of Graduate Dentistry: H. M. GOLDMAN, D.M.D.

PROFESSORS:

College of Liberal Arts:
AGNEW, M. E., PH.D., Classics
BEAL, . S., M.S., English
BEATLEY, R., A.M., Mathematics

BENEDICT, R. P., DR.RER.POL., Government
BENNETT, C. C., PH.D., Psychology
BERKELEY, A. W., PH.D., Psychology
BERNARD, K. A., A.M., History
BERTOCCI, A. P., PH.D., Comparative Literature
BERTOCCI, P. A., PH.D.., Philosophy
BLACKETT, D. W., PH.D., Mathematics
BRACE, G. W., PH.D., English
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CAGEK, M., PH.D., Philosophy
CHIN, R., PH.D., Psychology
COHEN, R. S., PH.D., Physics
COHEN, S., PH.D., Geography
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DEVITO, A. J., PH.D., Romance Languages
ERICKSON, F. C., PH.D., Geography
FIELD, M., PH.D., Sociology
FLETCHER, J. L., PH.D., Government
FULTON, G. P., PH.D., Biology
GENSLER, W. J., PH.D., Chemistry
GIBBS, H. S., PH.D., Government
GOLDEN, H. H., PH.D., Romance Languages
GYORGY, A., PH.D., Government
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HARRISON, J. M., Psychology
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HEYN, A. H..A., PH.D., Chemistry
HIRE, A. W., ED.D., Psychology
HOLMES, DORIS, PH.D., English
HUMES, A. G., PH.D., Biology
JEWELL, W. M., A.B., Fine Arts
JONES, W. E., PH.D., Speech
KIM, D. K., PH.D., Religion
LAVELY, J. H., S.T.B., PH.D., Philosophy
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YOUNG, GENEVIEVE, PH.D., Biology

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BORN, D., A.M., English and Humanities
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HAWTHORNE, M., PH.D., Biology
PATTERSON, F. H., PH.D., English and Humanities
READ, W., M.A., English and Humanities
TIFFNEY, W. N., PH.D., Biology
VERHAGE, W., PH.D., Political Economy
WALSTON, E. B., ED.D., Guidance

College of Business Administration:
ASHTON, D., PH.D., Business Administration
BARRATT, H. L., PH.D., Finance
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CARSON, D., D.B.A., Business Administration
DANFORTH, W. C., B.B.A., Business Administration
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PARKER, Lt.-Col. H. F., B.S., Military Science
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MURPHY, HELEN A., ED.D., Education
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WYLIE, J. A., ED.D., Education

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PARK, BEATRIX A., M.A., M.S., Social Work

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FIELDER, A., MUS.D., Concerto Preparation
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TOTENBERG, R., Music
WAGER, W. J., PH.D., Humanities
WILL, R. T., PH.D., Music

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GARRIGAN, MARY ANN L., R.N., ED.M., Nursing
GROSSMAN, HELEN T., A.M., Nursing
HALL, ELIZABETH J., R.N., ED.M., Nursing
KIBRICK, ANNE, ED.D., Nursing
MOOTH, ADELMA E., ED.D., Nursing
PLAISTED, LENA, M.A., Nursing
SOMMERMEYER, LUCILLE, R.N., ED.M., Nursing

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DEL PORTO, J. A., PH.D., Journalism
GILLIS, D. H., PH.D., Communications
HULLINGER, E. W., A.B., Journalism
LERBINGER, O., PH.D., Public Relations
ROBINSON, E. J., PH.D., Communications Research
RUBIN, B., PH.D., Governmental Affairs and Public Relations
WHITE, D. M., PH.D., Journalism

Graduate School:
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BENNE, K. D., PH.D., Human Relations
BROWN, W. O., PH.D., African Studies
CHANG, MIN-CHUEH, PH.D., Biology
DORFMAN, R. I., PH.D., Biochemistry
KOELLA, W. P., M.D., Biology and Physiology
PINCUS, G., S.D., Biology

School of Graduate Dentistry:
ADAMS, P. E., D.M.S., Orthodontics
AMSTERDAM, M., D.D.S., Prosthetic Dentistry
BARABAN, D. J., D.M.D., Prosthetic Dentistry
CHAIKIN, B. S., D.M.D., Periodontology
COHEN, D. W., D.D.S., Periodontology
GOLDMAN, H. M., D.M.D., Stomatology
GREENSTEIN, A. V., D.D.S., Orthodontics
MARGOLIS, H. I., D.M.D., Orthodontics
STRANG, R. H. W., D.D.S., M.D., Orthodontics
TALKOV, L., D.M.D., Prosthetic Dentistry
THOMA, K. H., D.M.D., Oral Surgery
TWEED, C. H., Jr., D.D.S., Orthodontics

BRANDEIS UNIVERSITY

WALTHAM, MASSACHUSETTS

Telephone: Twinbrook 4-6000.
Telegraphic Address: Brandeis University, Waltham, Mass.

Founded 1948.

President: Dr. ABRAM L. SACHAR, PH.D., LITT.D.

Number of teachers (1965-66): 304.
Number of students: 1,632, plus 607 graduate students.

DEANS:

University Planning and Development: C. Q. BERGER, A.M.
Faculty: P. DIAMANDOPOULOUS, PH.D.
Students: K. C. MORRISSEY, A.B.
Graduate School: H. WEISBERG, PH.D.
Admissions: P. J. DRISCOLL, A.M.
Florence Heller School for Advanced Studies in Social Welfare: C. I. SCHOTTLAND, A.B.

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Science: E. LIPWORTH, PH.D.
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American Civilisation: M. KELLER, PH.D.
Anthropology: R. A. MANNERS, M.A., PH.D.
Biochemistry: N. O. KAPLAN, PH.D.
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Philosophy: F. T. SOMMERS, PH.D.
Physics: S. S. SCHWEBER, PH.D.
Psychology: R. B. MORANT, M.A., PH.D.
Sociology: J. R. SEELEY, A.B.

CLARK UNIVERSITY

950 MAIN STREET, WORCESTER, MASSACHUSETTS 01610

Telephone: Area Code 617, 791-6241.

Founded by Jonas Gilman Clark; Chartered 1887.

President: HOWARD B. JEFFERSON, PH.D., LL.D., L.H.D., LITT.D.
Executive Vice-President: R. M. HYDE, A.M.
Dean of College: R. F. CAMPBELL, PH.D.
Dean of Students: R. W. BAKER, PH.D.
Dean of Women: M. HAZEL HUGHES, M.ED.
Dean of Graduate School: D. E. LEE, PH.D.
Director of Evening College: T. J. DOLPHIN, A.B.
Director of Summer School: T. J. DOLPHIN, A.B.
Director of Admissions: R. D. POITIER.
Business Manager: W. G. BLOODGOOD.
Bursar: Mrs. MARY A. HUBBARD.
Registrar: Mrs. LYDIA P. COLBY.
Librarian: T. M. BARRON, B.S. in L.S.

Number of teachers: 137 (day), 60 (evening).
Number of students: Undergraduate: 597 men, 375 women, total 972; Graduate: 142 men, 57 women, total 199; Special: 15 men, 15 women, total 30; Evening College: 580 men, 298 women, total 878; Summer School: 236 men, 131 women, total 367.
Publications: *General Catalog, Dissertations and Theses, Alumni Magazine, Report from Clark University, Evening College Catalog, Summer School Catalog.*

COLLEGE OF OUR LADY OF THE ELMS

291 SPRINGFIELD STREET, CHICOPEE, MASSACHUSETTS 01013

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Founded 1928.

President: Sister ROSE WILLIAM, S.S.J.
Registrar: Sister HELEN JOSEPH, S.S.J.
Librarian: Sister TERESA DANIEL, S.S.J.

The library contains 25,000 volumes.
Number of teachers: 46.
Number of students: 650.

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WORCESTER, MASSACHUSETTS

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Administrator: Rev. T. J. SMITH, S.J.
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Dean: Rev. M. F. REIDY, S.J.
Librarian: Rev. W. L. LUCEY, S.J.

The library contains 220,000 volumes.
Number of teachers: 168.
Number of students: 2,103 men.

DEANS:

Dean of Students: Rev. C. J. DUNN, S.J.
Sophomores and Freshmen: Rev. J. F. DONAHUE, S.J.
Men: Rev. C. J. DUNN, S.J.

EASTERN NAZARENE COLLEGE

23 EAST ELM AVENUE, QUINCY, MASSACHUSETTS 02170

Telephone: 1-617-773-6350

Founded 1900.

President: EDWARD S. MANN.

Registrar: Miss ALICE WHITING.
Dean of Admissions: J. R. NAYLOR.
Librarian: Miss DOROTHY KING.

The library contains 35,000 volumes.
Number of teachers: 50.
Number of students: 800.

EMERSON COLLEGE

130 BEACON STREET,
BOSTON, MASSACHUSETTS 02116
Telephone: 262-2010.
Founded 1880.

President: Dr. S. JUSTUS McKINLEY.
Registrar: Mrs. CLARA FRASER.
Librarian: Miss IRENE CHRISTOPHER.

The library contains 20,000 volumes.
Number of teachers: 90.
Number of students: 827.

EMMANUEL COLLEGE

400 THE FENWAY,
BOSTON, MASSACHUSETTS 02115
Telephone: 277-9340.
Founded 1919.

President: Sister ANN BARTHOLOMEW, S.N.D.
Dean of Admissions: Sister EVELYN MARGARET, S.N.D.
Librarian: Sister CLARE FRANCIS.

The library contains 58,000 volumes.
Number of teachers: 105.
Number of students: 1,295.

GORDON COLLEGE

255 GRAPEVINE ROAD,
WENHAM, MASSACHUSETTS 01984
Telephone: Area Code 617, 927-2300.
Founded 1889.

President: JAMES FORRESTER, PH.D.
Registrar: Miss FLORENCE WINSOR.
Director of Admissions: Mrs. MARY MAXIM.
Librarian: C. M. KEEN.

The library contains 45,362 volumes.
Number of teachers: 31.
Number of students: 534.

HARVARD UNIVERSITY

CAMBRIDGE,
MASSACHUSETTS 02138
Telephone: UNiversity 8-7600.
Founded October 1636; Charter signed May 1650.

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Peabody Museum: *see* Museums.
Number of teachers (1964-65): 4,890.
Number of students (1964-65): 14,257.

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AUSTIN, R. W., LL.B., Business Administration
BADGER, T. L., A.B., M.D., Medicine
BAILEY, J. C., PH.D., Human Relations
BAILYN, B., A.M., PH.D., History
BAINBRIDGE, K. T., S.M., PH.D., Physics
BAKER, G. P., PH.D., S.D., Business Administration
BAKER, H. C., PH.D., English
BALES, R. F., S.M., PH.D., Social Relations
BALL, E. G., A.M., PH.D., S.D., Biological Chemistry
BANFIELD, E. C., PH.D., A.M., Government
BARGER, A. C., A.B., M.D., Physiology
BARGHOORN, E. S., PH.D., Botany
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BENICHOU, P., L.ÈS L., Agr.des L., French Literature
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BERRY, G. P., A.B., M.D., LL.D., A.M., LIT.D., L.H.D., Bacteriology
BIBRING, Mrs. GRETE LEHNER, M.D., Psychiatry
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BIRCH, F., PH.D., Geology

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BOK, D. C., A.M., Law
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BRUDEVOLD, F., L.D.S., D.D.S., S.M., A.M., Dentistry
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BRYSON, A. E., Jr., S.M., PH.D., A.M.(HON.), Mechanical Engineering
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BUDIANSKY, B., S.M., PH.D., A.M., Structural Mechanics
BULLITT, J. M., A.M., PH.D., English
BUMKE, J., D.PHIL., German
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BURSK, E. C., A.M., Business Administration
BUSH, J. N. D., PH.D., LITT.D., D.LITT., L.H.D., English
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BYSE, C., LL.B., LL.M., S.J.D., M.A., Law

CAPLAN, G., M.B., CH.B., D.P.M., M.D., Psychiatry
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CASAGRANDE, A., DR.TECH., A.M., DR., Soil Mechanics and Foundation Engineering
CASAGRANDE, L., DIP.ING., DR.ING., Engineering Practice in Soil Mechanics and Foundation Engineering
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CHALMERS, B., PH.D., D.SC., A.M., Metallurgy
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CROSS, F. M., Jr.., PH.D., A.M., Hebrew

DAMMIN, G. J., A.B., M.D., A.M., Pathology
DARLINGTON, P. J., Jr., A.B., S.M., PH.D., Zoology
DAVIS, B. D., A.B., M.D., Bacteriology
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DE WOLFF, P., DR.PHIL., Economics
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ECKSTEIN, O., PH.D., Economics
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EMERSON, R., PH.D., Government
EMMONS, H. W., S.D., MECH.E., Mechanical Engineering
ENDERS, J. F., PH.D., S.D., Bacteriology and Immunology
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FAINSOD, MERLE, PH.D., LL.D., Government
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FAIRBANKS, R. J., D.D., Episcopal Theological School
FARBER, S., M.D., Pathology
FARNSWORTH, DANA L., A.B., S.D., M.D., Hygiene
FAWCETT, D. W., A.B., M.D., Anatomy
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FRESE, W. F., A.M., LL.D., Business Administration
FREUND, P. A., LL.D., S.J.D., L.H.D., University Professor
FRIEDRICH, C. J., DR.PHIL., M.A., J.U.D., LL.D., L.H.D., Government
FROHOCK, W. M., M.A., PH.D., Romance Languages and Literatures
FRONDEL, C., PH.D., A.M., Mineralogy
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FULLER, L. L., J.D., A.M., General Jurisprudence
FULLER, S. H., I.A., M.B.A., D.C.S., Business Administration
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GALBRAITH, J. K., S.M., PH.D., A.M., LL.D., Economics
GARDNER, G. E., A.B., ED.M., PH.D., M.D., Psychiatry
GARNHART, G. H., Lt.-Col. U.S.A., A.B., Military Science
GARRELS, R. M., S.M., PH.D., A.M., Geology
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GERMANI, G., Latin American Studies
GERSCHENKRON, A., DR. RER. POL., A.M., Economics
GILMAN, S., PH.D., A.M., Romance Language
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GOETCHIUS, E. V. N., S.M., A.M., PH.D., TH.D., Biblical Languages
GOLDBERG, L., A.M., PH.D., Astronomy
GOLDSTEIN, S., PH.D., A.M., Applied Mathematics
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GORINI, L., DR.PHIL., Bacteriology and Immunology
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GREEN, W. T., A.M., M.D., Orthopædic Surgery
GREEP, R. O., S.M., PH.D., A.M., Dental Medicine
GRIFFIN, D. R., A.M., PH.D., Zoology
GRISWOLD, E. N., A.M., S.J.D., L.H.D., LL.D., Law

GROSS, N., S.M., PH.D., A.M., Education and Sociology
GROSS, R. E., A.B., M.D., S.D., D.SC., Child Surgery
HAAR, C. M., A.M., LL.B., Law
HABERLER, G., DR.RER.POL., J.U.D., A.M., DR., International Trade
HALL, L., PH.B., LL.B., S.J.D., Law
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HAMMOND, M., B.A., B.LITT., Latin Language and Literature
HANDLIN, O., PH.D., History
HANFMANN, G. M. A., DR.PHIL., PH.D., A.M., Fine Arts
HANSEN, H. L., M.B.A., D.C.S., Business Administration
HARBAGE, A. B., PH.D., LITT.D., English
HARKEN, D. E., A.B., M.D., Surgery
HARRISON, J. H., S.B., M.D., Genito-Urinary Surgery
HART, H. M., Jr., LL.D., S.J.D., Law
HARTZ, L., PH.D., Government
HATFIELD, H. C., PH.D., German
HAUGEN, E. I., A.M., PH.D., LITT.D., L.H.D., Scandinavian and Linguistics
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HEGSTED, D. M., S.M., PH.D., A.M., Nutrition
HEIN, J. W., D.M.D., PH.D., A.M., Dentistry
HERSCHBACH, D. O., S.M., A.M., PH.D., Chemistry
HERTIG, A. T., S.B., M.D., Pathological Anatomy
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HIATT, H. H., M.D., Medicine
HIBBETT, H. S., PH.D., Japanese Literature
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HIGHTOWER, J. R., PH.D., Chinese Literature
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HOLTON, G., PH.D., Physics
HOMANS, G. C., M.A., Sociology
HOUTHAKKER, H. S., GRAD.DR., A.M., Economics
HOWARD, R. A., PH.D., Botany, Dendrology
HOWE, M. DE W., A.B., LL.B., Law
HOWELLS, W. W., PH.D., Anthropology
HOWER, R. M., M.A., D.C.S., Business Administration
HUGHES, H. S., PH.D., History
HUNT, F. V., PH.D., S.D., Physics and Applied Physics
HUNT, H. C., M.A., ED.D., LL.D., Education
HUNT, P., M.B.A., D.C.S., Business Administration
HUNTINGDON, S. P., A.M., PH.D., Government
HURLBUT, C. S., Jr., PH.D., Mineralogy
INGALLS, D. H. H., A.M., Sanskrit
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IRVING, J. T., DR.PHIL., M.D., Physiology
ISAACS, R. R., M.ARCH., Regional Planning
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JAKOBSON, R., DR.PHIL., A.M., D.LITT., L.H.D., Slavonic Languages and Literatures
JANEWAY, C. A., A.M., M.D. Pædiatrics
JASINSKI, R., A.M., DR. ÈS L., French Literature
JENKINS, R. J. H., M.A., Byzantine History and Literature
JONES, R. V., PH.D., Applied Physics
JORDAN, W. K., PH.D., L.H.D., LL.D., History
KAGAN, J., S.B., PH.D., Psychology
KALCKAR, H. M., M.D., DR.PHIL., Biological Chemistry
KAPLAN, B., A.M., LL.B., Law
KARNOVSKY, M. L., M.SC., DR.PHIL., A.M., Biological Chemistry
KATZ, M., LL.B., Law
KAUFMAN, G. D., A.M., PH.D., Theology
KAYSEN, C., A.M., PH.D., Political Economy
KEETON, R. E., S.J.D., Law
KELLEHER, J. V., A.M., Modern Irish Literature and History
KENNEDY, E. P., PH.D., Biological Chemistry
KENNEDY, M. T., A.M., PH.D., Business Administration
KINDALL, A. F., M.B.A., Business Administration
KING, R. W. P., S.M., PH.D., Applied Physics
KIRCHNER, L., A.M., Music
KISSINGER, H. A., A.M., PH.D., Government
KISTIAKOWSKY, G. B., A.M., DR.PHIL., S.D., Chemistry
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KOESTER, H. H., DR.THEOL., New Testament Studies
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KRAYER, O., A.M., M.D., Pharmacology
KRONAUER, R. E., M.E., S.M., PH.D., Mechanical Engineering
KROOK, M., DR.PHIL., A.M., Applied Mathematics and Astrophysics
KUFFLER, S. W., M.D., A.M., Neurophysiology and Neuropharmacology
KUMMEL, B., A.M., PH.D., Geology
KUZNETS, S. S., A.M., PH.D., L.H.D., Economics
LANDES, D. S., A.M., PH.D., History
LANDIS, E. M., S.M., M.D., PH.D., Physiology
LANDY, E., ED.M., ED.D., Education
LAW, W. A., M.B.A., A.M., PH.D., Business Administration
LAWRENCE, P. R., I.A., M.B.A., D.S.C., Organisational Behaviour
LAYZER, D. R., PH.D., Astronomy
LEACH, W. B., LL.B., S.J.D., Law
LEARNED, E. P., A.M., M.B.A., D.C.S., Business Policy
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LIDA, R., DR.PHIL., A.M., Romance Languages and Literatures
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LIVINGSTON, J. S., M.B.A., D.C.S., Business Administration
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LORD, A. B., PH.D., Slavic
LOSS, L., LL.B., Law
LUNT, H. G., II, A.M., PH.D., Slavonic Languages and Literature
LYMAN, E. MCL., Lt.-Col., U.S.A.F., A.B., Air Science
LYNN, K. S., PH.D., English
MAASS, A. A., M.P.A., PH.D., Government
MACE, M. LA G., M.B.A., D.C.S., Business Administration
MCCLELLAND, D. C., PH.D., A.M., S.D., DR.PHIL., LL.D., Psychology
MCCLOSKEY, R. G., M.P.A., PH.D., Government
MCDERMOTT, W. V., Jr., A.B., M.D., Surgery
MCFARLAND, R. A., S.D., PH.D., Aerospace Health and Safety
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MACMAHON, B., M.R.C.S., L.R.C.P., M.B., CH.B., D.P.H., DR.PHIL., S.M.HYG., M.D., Epidemiology
MAKDISI, G., A.M., S.M., D. ÈS L., Arabic
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MANSFIELD, J. H., LL.B., Law
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MARTIN, P. C., A.M., PH.D., Physics
MASON, E. S., PH.D., LITT.D., LL.D., University Professor
MATSON, D. D., A.B., M.D., Surgery
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MERRY, R. W., M.B.A., D.C.S., Business Administration
MESELSON, M. S., PH.D., Biology
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MEYER, J. R., PH.D., Economics
MILLER, G. A., M.A., PH.D., Psychology
MILLER, S. H., D.D., A.M., LITT.D., Divinity
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MONTGOMERY, J. D., PH.D., LL.D., Public Administration
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MORRISON, T., LITT.D, English
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NASH, L. K., S.B., PH.D., Chemistry
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NEWTON, N. T., M.L.D., A.M., Landscape Architecture
NICKERSON, C. B., M.B.A., D.C.S., Business Administration
NIEBUHR, R. R., PH.D., Theology
OBERMAN, H. A., DR.THEOL., Church History
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OWEN, D. E., PH.D., A.M., L.H.D., History
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PARSONS, T., DR.PHIL., L.H.D., Sociology
PATTERSON, B., A.M. (HON.), Vertebrate Palæontology
PAUL, W., PH.D., Applied Physics
PAYNE-GAPOSCHKIN, CECILIA H., Astronomy
PELZEL, J. C., PH.D., Anthropology
PERKINS, D. D., A.M., PH.D., English
PERKINS, E., PH.D., History
PIPES, R. E., PH.D., History

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Pritsak, O., D.PHIL., D.PHIL., Linguistics
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Quine, W. V. O., M.A., LITT.D., PH.D., LL.D., Philosophy
Raiffa, H., S.M., PH.D., A.M., Business Administration
Ramsey, N F., PH.D., M.A., A.M., D.SC., Physics
Raper, J. R., PH.D., Botany
Raup, H. M., PH.D., A.M., Forestry
Rawls, J., PH.D., A.M., Philosophy
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PRATT, G. W., PH.D., Electrical Engineering
PRESS, F., PH.D., Geophysics
PROBSTEIN, R. F., PH.D., Mechanical Engineering
PYE, L. W., PH.D., Political Science
RADFORD, W. H., S.M., Electrical Communications
RASMUSSEN, N. C., PH.D., Nuclear Engineering
RAY, D. B., PH.D., Mathematics
REID, R. C., SC.D., Chemical Engineering
REISSNER, E., DR.ING., PH.D., Mathematics
REINTJES, J. F., M.E.C., Electrical Engineering
RICH, A., M.D., Biophysics
RIGHTMIRE, B. G., SC.D., Mechanical Engineering
RODWIN, L., PH.D., Land Economics
ROGERS, H., Jr., PH.D., Mathematics
ROHSENOW, W. M., D.ENG., Mechanical Engineering
ROSE, D. J., PH.D., Nuclear Engineering
ROSENBLITH, W. A., Ing., Radio Electrician, Communications Biophysics
ROSENSTEIN-RODAN, P. N., DR.RER.POL., Economics
ROSSI, B. B., PH.D., Physics
RUINA, J. P., D.E.E., Electrical Engineering
RULE, J. T., S.B., Engineering Graphics
SAMUELSON, P. A., PH.D., Economics
SANDORFF, P. E., S.B., Aeronautics and Astronautics
SATTERFIELD, C. N., SC.D., Chemical Engineering
SCHAFER, R. D., PH.D., Mathematics
SCHEIN, E. H., PH.D., Industrial Management
SCHMITT, F. O., PH.D., SC.D., Biology
SCRIMSHAW, N. S., PH.D., M.D., D.P.S., Nutrition
SEELER, A. O., M.D., Medical Director
SEGAL, I., PH.D., Mathematics
SEYFERTH, D., PH.D., Chemistry
SHANNON, C. E., PH.D., Mathematics and Electrical Engineering
SHAPIRO, A. H., SC.D., Mechanical Engineering
SHEEHAN, J. C., PH.D., Organic Chemistry

SHERWOOD, T. K., SC.D., ENG.D., Chemical Engineering
SHOEMAKER, D. P., PH.D., Chemistry
SHROCK, R. R., PH.D., Geology
SHULL, C. G., PH.D., Physics
SEIFERT, W. W., SC.D., Electrical Engineering
SIEBERT, W. M., SC.D., Electrical Engineering
SIEGEL, A., PH.D., Industrial Relations
SIMMONS, M. G., PH.D., Geophysics
SINGER, I. M., PH.D., Mathematics
SIZER, I. W., PH.D., Biochemistry
SLATER, J. C., PH.D., SC.D., Solid State
SMAKULA, A., PH.D., Crystal Physics
SMITH, C. S., SC.D., History of Science and Technology
SMITH, H. C., PH.D., Philosophy
SMITH, R. A., PH.D., Physics
SMULLIN, L. D., S.M., Electrical Engineering
SOLOW, R. M., PH.D., Economics
STARK, R. E., S.M., Naval Construction
STARR, V. P., PH.D., Meteorology
STEPHENSON, C. C., PH.D., Chemistry
STEVENS, K. N., SC.D., Electrical Engineering
STOMMEL, H. M., PH.D., Oceanography
STRANDBERG, M. W. P., PH.D., Physics
SWAIN, C. G., PH.D., Chemistry

TAYLOR, E. S., S.B., Aircraft Engines
TEUBER, H. L., PH.D., Psychology
THOMAS, G. B., Jr., PH.D., Mathematics
THOMPSON, T. J., PH.D., Nuclear Engineering
THOMSON, J. F., Humanities
TISZA, L., PH.D., Physics
TOONG, T. Y., SC.D., Mechanical Engineering
TOWNES, C. H., PH.D., D.LITT., Physics
TRILLING, L., PH.D., Aeronautics and Astronautics
TRUMP, J. C., SC.D., Electrical Engineering
TUCKER, G., Humanities

UHLIG, H. H., PH.D., Metallurgy

VALLEY, G. E., Jr., PH.D., Physics
VELDE, W. E. V., SC.D., Aeronautics and Astronautics
VILLARS, F M., Pysics
VIVIAN, J. E., SC.D., Chemical Engineering
VON ARX, W. S., PH.D., Oceanography

WADLEIGH, K. R., SC.D., Engineering
WALL, P. D., M.D., Physiology
WARREN, B. E., SC.D., Physics
WAUGH, D. F., PH.D., Biophysics
WAUGH, J. S., PH.D., Chemistry
WEINER, M., PH.D., Political Science
WEISSKOPF, V. F., Physics
WHITAKER, H. P., S.M., Aeronautics and Astronautics
WHITE, D. C., PH.D., Electrical Engineering
WHITEHEAD, G. W., PH.D., Mathematics
WHITMAN, R. V., SC.D., Civil Engineering
WIESNER, J. B., PH.D., Electrical Engineering
WILLETT, H. C., PH.D., Meteorology
WILLIAMS, G. C., SC.D., Chemical Engineering
WILSON, C. L., SC.D., Industrial Management
WOOD, R. C., PH.D., Political Science
WOODBURY, R. S., A.M., Humanities
WOODSON, H. H., SC.D., Electrical Engineering
WOZENCRAFT, J. M., SC.D., Electrical Engineering
WRIGLEY, W., SC.D., Aeronautical Engineering
WULFF, J., D.SC., Metallurgy

ZACHARIAS, J. R., PH.D., Physics
ZIMMERMANN, H. J., S.M., Electrical Engineering

MERRIMACK COLLEGE

TURNPIKE STREET, NORTH ANDOVER, MASSACHUSETTS

Telephone: Area Code 617, 683-7111.

Founded 1947.

President: Rev. VINCENT A. MCQUADE, O.S.A.
Registrar: Rev. E. J. FENTON, O.S.A.
Librarian: P. COSTELLO.

The library contains 40,000 volumes.
Number of teachers: 132.
Number of students: 2,400.

MOUNT HOLYOKE COLLEGE

SOUTH HADLEY, MASSACHUSETTS

Founded in 1837 by Mary Lyon.

President: RICHARD G. GETTELL, PH.D.
Treasurer: B. BUMP, M.B.A.
Registrar: FLORENCE S. KIMBALL, A.B.
Librarian: ANNE C. EDMONDS, M.S., M.A.

The library contains 380,000 volumes.
Number of teachers: 170.
Number of students: 1,600 women.
Publications: *Directory, Catalogue, Spring Bulletin.*

Academic Dean: MERIBETH E. CAMERON, PH.D.
Dean of Students: RUTH E. WARFEL, M.S.
Director of Admissions: CLARA R. LUDWIG, A.B., S.B.

NEW ENGLAND CONSERVATORY OF MUSIC

BOSTON, MASSACHUSETTS 02115.

President: CHESTER W. WILLIAMS.

Number of students: 427 degree candidates, 1,931 preparatory and special students, total 2,358 (1964-65).

NEWTON COLLEGE OF THE SACRED HEART

NEWTON, MASSACHUSETTS 02159

Telephone: 332-6700.

Founded 1946.

President: Mother G. HUSSON.
Dean of Admissions: Mother HELEN SYRAN.
Librarian: Mother M. V. COLEMAN.

The library contains 60,000 volumes.
Number of teachers: 75.
Number of students: 730.

NORTHEASTERN UNIVERSITY

360 HUNTINGTON AVENUE, BOSTON, MASSACHUSETTS 02115

Founded 1898.

Co-educational.

President: ASA S. KNOWLES, A.M., LL.D.
Vice-President and Provost: W. C. WHITE, ED.M., ENG.D.
Business Manager: E. S. PARSONS, ED.M.
Financial Officer: L. C. BATESON, M.B.A.
Registrar: R. M. MORRIS, ED.M.
Dean and Director of Admissions: G. C. GARLAND, ED.M., ED.D.
Librarian: R. H. MOODY, B.L.S.

The library contains 132,000 volumes.
Number of teachers: 1,200.
Number of students: 8,224 day undergraduate, 10,797 evening undergraduate, 4,776 graduate school, 5,014 non-degree, total 28,811.

DEANS:

College of Business Administration: R. S. HAMILTON, M.A., PH.D.
College of Engineering: R. E. SCOTT, M.A., SC.D.
College of Liberal Arts: W. S. LAKE, M.A., PH.D.
College of Education: L. S. VANDER WERF, M.A., ED.D.
College of Pharmacy: L. C. KEAGLE, PH.D.
College of Nursing: CHARLOTTE E. VOSS, M.S., ED.D.
Boston Bouvé College of Physical Education and Physical Therapy: MINNIE L. LYNN, M.S., PH.D.
University College: L. A. ALLEN, M.S., PH.D.
Graduate Division: A. A. VERNON, M.S., PH.D.
Lincoln College: G. S. ROOK, ED.M.
Chapel: C. W. HAVICE, M.A., S.T.B., PH.D., D.D.
Students: G. G. MACDONALD, ED.D.
Freshmen: C. F. KENNEDY, ED.M.
Women: DOROTHY G. DISSELL, M.A., PH.D.

RADCLIFFE COLLEGE

10 GARDEN STREET, CAMBRIDGE, MASSACHUSETTS 02138

Founded 1879; Chartered 1894.

President: Mrs. MARY I. BUNTING.
Administrative Vice-President: J. B. BRITTON.
Registrar: Miss RUTH DAVENPORT.

The library contains 142,887 volumes.
Number of students: 1,150 women (approx.).
Publications: *Radcliffe Alumnae Quarterly, Radcliffe: News from the College.*

DEANS:

Graduate Women in Harvard University: Mrs. WILMA A. KERBY-MILLER.
Dean of the College: Mrs. KATHLEEN O. ELLIOTT.
Dean of Residence: SUSAN OLSON.
Associate Deans: CATHERINE D. WILLISTON, Mrs. BARBARA M. SOLOMON.

The Faculty of Arts and Sciences of Harvard University is the Faculty of Radcliffe College.

ST. STEPHEN'S COLLEGE

DOVER, MASSACHUSETTS 02030

Telephone: State 5-0124.

Founded 1960.

President: Rev. MICHAEL STOCK, O.P.

Registrar: Rev. E. BONDI, O.P.
Librarian: Rev. P. FITZSIMMONS, O.P.

The library contains 14,221 volumes.
Number of teachers: 12.
Number of students: 50.

SIMMONS COLLEGE

300 THE FENWAY, BOSTON 15, MASSACHUSETTS

Founded 1899.

President: WILLIAM E. PARK, D.D., S.M., L.H.D., LL.D.
Vice-President and Dean of Instruction: J. G. NEEDHAM, PH.D.
Treasurer and Comptroller: R. K. BACHELDER, B.B.A.
Registrar: DOROTHY M. CORCORAN, S.B.
Director of the Library: K. R. SHAFFER, B.S. IN L.S.

Number of teachers (full-time): 113, including 25 professors; (part-time): 150.

Number of students: 1,688 women, 61 men, total 1,749.

Publications: *Simmons Review, News, Outlook, Essays and Studies.*

DEANS:

College: ELEANOR CLIFTON, A.M.
Graduate Division: W. SYPHER, PH.D.

SMITH COLLEGE

NORTHAMPTON, MASSACHUSETTS

Founded 1871.

President: THOMAS C. MENDENHALL, PH.D., L.H.D., LL.D.
Treasurer and Comptroller: R. L. ELLIS, M.B.A.
Secretary: FLORENCE MACDONALD, A.B.
Registrar: HELEN B. BISHOP, A.B.
Librarian: MARGARET L. JOHNSON, A.B., B.S.
Dean: PHYLLIS W. LEHMANN, PH.D.
Dean of Students: HELEN L. RUSSELL, PH.D.

The library contains 488,554 volumes.
Number of teachers: 260.
Number of students: 2,457 women.
Publications: *Smith College Studies* (4 series) in: *Modern Languages, History, Classical Languages, Social Work.*

SOUTHEASTERN MASSACHUSETTS TECHNOLOGICAL INSTITUTE

741 STATE ROAD, NORTH DARTMOUTH, MASSACHUSETTS 02747

Telephone: Area Code 617, 997-9321.

Founded 1895.

President: JOSEPH L. DRISCOLL, ED.D.
Registrar: R. J. CANUEL.
Director of Admissions: W. M. HOLT.
Librarian: CLAIRE RILEY (acting).

The library contains 40,000 volumes.
Number of teachers: 130.
Number of students: 1,850.

SPRINGFIELD COLLEGE

263 ALDEN STREET, SPRINGFIELD, MASSACHUSETTS

Founded 1885.

President: WILBERT E. LOCKLIN.
Registrar: OLGA E. ELLIS.
Librarian: DORIS FLETCHER.

The library contains 66,000 volumes.
Number of teachers: 96.
Number of students: 1,546.
Publications: *Catalogue, Alumni Bulletin.*

DEANS:

College: P. U. CONGDON.
Students: HELEN WERNER.

STATE COLLEGE AT BOSTON

625 HUNTINGTON AVENUE, BOSTON, MASSACHUSETTS 02115

Telephone: Longwood 6-4545.

Founded 1852.

President: Dr. WILLIAM F. LOONEY.
Registrar: H. G. REGAN.
Librarian: Miss ELLEN RICHWAGEN.

The library contains 35,030 volumes.
Number of teachers: 193.
Number of students: 3,500.

STATE COLLEGE AT BRIDGEWATER

BRIDGEWATER, MASSACHUSETTS

Telephone: 697-6161

Founded 1840.

President: ADRIAN RONDILEAU.
Registrar: H. FANNING.
Librarian: O. MCGOWAN.

The library contains 48,000 volumes.
Number of teachers: 150.
Number of students: 2,000.

STATE COLLEGE AT FITCHBURG

FITCHBURG, MASSACHUSETTS

Telephone: 1-617-343-6417.

Founded 1894.

President: JAMES J. HAMMOND.
Director of Admissions: J. F. DURANT.
Librarian: EVELYN WEACHTER.

The library contains 36,000 volumes.
Number of teachers: 130 (approx.).
Number of students: 1,350.

STATE COLLEGE AT SALEM

LORING AVENUE, SALEM, MASSACHUSETTS

Telephone: 745-0556.

Founded 1854.

President: FREDERICK A. MEIER.
Registrar: Dr. J. AMSLER.
Librarian: N. OLSON.

The library contains 55,000 volumes.
Number of teachers: 140.
Number of students: 2,400.

STATE COLLEGE AT WESTFIELD

WESTFIELD, MASSACHUSETTS 01085

Telephone: 413-562-9906.

Founded 1839.

President: LEONARD J. SAVIGNANO.
Director of Admissions: E. B. WELCH.
Librarian: DOROTHY E. ROWLAND.

The library contains 45,000 volumes.
Number of teachers: 64.
Number of students: 1,100.

STONEHILL COLLEGE

NORTH EASTON, MASSACHUSETTS

Telephone: CEdar 8-2052, OXford 6-9050.

Founded 1948.

President: Very Rev. JOHN T. CORR, C.S.C.
Registrar: Rev. E. J. HAUGHEY, C.S.C.
Librarian: Rev. D. J. ARTHUR, C.S.C.

The library contains 50,917 volumes.
Number of teachers: 77.
Number of students: 1,156.

SUFFOLK UNIVERSITY

20 DERNE STREET, BOSTON 14, MASSACHUSETTS

Telephone: Capitol 7-1040.

Founded 1906.

President: JOHN E. FENTON (acting).
Chancellor: (Vacant).
Dean and Registrar of College Departments: Dr. D. W. GOODRICH.
Registrar of Suffolk Law School: CATHERINE T. JUDGE.
Librarian: R. J. SULLIVAN.

Number of teachers: 125.
Number of students: 2,500.
Publication: *Suffolk Journal.*

DEANS:

College Departments: Dr. D. W. GOODRICH.
Colleges of Liberal Arts, Business Administration and Journalism: D. W. GOODRICH.
Law School: D. R. SIMPSON.
Asst. Dean in charge of Evening Div. and Dir. of Summer Sessions: Dr. J. H. STRAIN.

TUFTS UNIVERSITY

MEDFORD, MASSACHUSETTS 02155

Telephone: 776-2100.

Chartered 1852.

President: NILS Y. WESSELL, PH.D., SC.ED.D., L.H.D., LL.D., JUR.D., LITT.D.
Vice-President and Provost: L. C. MEAD, PH.D.
Vice-President for Development: F. A. TREDINNICK, Jr., A.M.
Comptroller: J. J. MITCHELL, M.B.A.
Vice-President for Medical and Dental Affairs: G. A. WOLF, Jr., M.D.
Dean of Admissions: J. C. PALMER.
Treasurer: N. D. BUGBEE, M.C.S.

Recorder: C. C. EHL, M.ED.
Librarian: J. S. KOMIDAR, B.S.L.S., M.A.

The library contains 350,000 volumes.
Number of teachers: 423 full-time, 974 part-time.
Number of students: 2,945 men, 1,494 women, total 4,439.
Publications: *Tufts Alumni Review, Tufts Medical Alumni Bulletin.*

DEANS:

Dentistry (Boston): L. J. P. CALISTI, D.D.S.
Engineering: A. S. CAMPBELL, SC.D.
Graduate: P. H. FLINT, PH.D.
Liberal Arts: C. E. STEARNS, PH.D.
Dean of Men: A. R. SCHMIDT, Jr., A.B.
Medicine (Boston): J. M. HAYMAN, Jr., M.D.
Theological: B. B. HERSEY, D.D.
Fletcher School of Law and Diplomacy (f. 1933): E. A. TULLION, A.B.
Jackson College for Women (f. 1910): MYRA L. HERRICK, ED.D.
Special Studies: R. A. KELLEY, ED.M.
Summer School: R. L. H. MILLER, TH.D. (Director).

UNIVERSITY OF MASSACHUSETTS

AMHERST, MASSACHUSETTS

Telephone: 545-0111.

Chartered as Massachusetts Agricultural College 1863; name changed to Massachusetts State College 1931, to University 1947.

President: JOHN W. LEDERLE, A.M., LL.B., PH.D.
Provost: O. TIPPO, M.A., PH.D.
Secretary: R. MCCARTNEY, B.A.
Treasurer: K. W. JOHNSON, B.S.
Dean of Administration: L. F. REDFERN, M.A., M.P.A., PH.D.
Librarian: H. MONTGOMERY, B.S.

The library contains 400,000 volumes.
Number of teachers: 850, including 200 professors.
Number of students: 12,200.

DEANS:

College of Arts and Sciences: I. M. HUNSBERGER, M.S., PH.D.
College of Agriculture: Dr. A. A. SPIELMAN, M.S., PH.D.
School of Business Administration: H. B. KIRSHEN, M.A., PH.D.
School of Engineering: E. E. LINDSEY, D.ENG. (acting).
School of Home Economics: MARION A. NIEDERPRUEM, M.A., PH.D.
School of Nursing: MARY A. MAHER, A.M.
School of Education: A. W. PURVIS, M.ED., D.ED.
School of Physical Education: W. P. MCGUIRK, PH.B.
Students: W. F. FIELD, ED.M., PH.D.
Men: R. S. HOPKINS, M.ED.
Women: HELEN CURTIS, A.M.
Graduate School: E. C. MOORE.
Medical School: L. SOUTTER, A.B., M.D.

ASSOCIATED SCHOOL:

Stockbridge School of Agriculture: est. 1918; two-year practical course in Agriculture.
Director: F. P. JEFFREY, M.S.

WELLESLEY COLLEGE

WELLESLEY, MASSACHUSETTS 02181

Chartered 1870; Opened 1875.

President: MARGARET CLAPP.
Business Manager: R. J. SCHNEIDER.
Treasurer: H. A. WOOD, Jr.
Dean of the College: VIRGINIA ONDERDONK.
Dean of Students: TERESA FRISCH.
Director of Admissions: BARBARA CLOUGH.
Librarian: HELEN M. BROWN.

The library contains 375,000 volumes.
Number of teachers: 175.
Number of students: 1,700 women.

WHEATON COLLEGE

NORTON, MASSACHUSETTS

Founded 1834.

President: WILLIAM C. H. PRENTICE, PH.D.
Registrar: LEAH M. DEARDEN, A.M.
Business Manager: D. C. ANDERSON, M.S.
Director of Admissions: BARBARA ZIEGLER, A.M.
Librarian: HILDA F. HARRIS, B.S.

The library contains 100,000 volumes.
Number of teachers: 90, including 29 professors.
Number of students: 1,040.
Publications: *Bulletin, Newsletter.*

DEANS:

Dean of the College: W. S. KENWORTHY, PH.D.
Students: LEOTA C. COLPITTS, A.M.

WILLIAMS COLLEGE

WILLIAMSTOWN, MASSACHUSETTS

Chartered as Free School 1785; College Charter granted 1793.

President: JOHN E. SAWYER, M.A., LL.D.
Secretary of Faculty: C. D. COMPTON, PH.D.
Treasurer: C. A. FOEHL, LL.B.
Dean: R. R. R. BROOKS, PH.D.
Director of Admissions: F. C. COPELAND, PH.D.
Registrar: KATHRYN MCCRAW.
Librarian: W. E. WRIGHT, M.A., B.S.

The library contains 240,000 volumes.
Number of teachers: 146.
Number of students: 1,150 men.

WORCESTER POLYTECHNIC INSTITUTE

WORCESTER 9, MASSACHUSETTS

President: HARRY P. STORKE.
Vice-President and Dean of Faculty: M. L. PRICE.

Registrar: ATHENA PAPPAS.
Dean of Students and Admission: D. G. DOWNING.
Librarian: A. G. ANDERSON, Jr.

Number of students: 1,545.

MICHIGAN

ALBION COLLEGE

ALBION, MICHIGAN 49224

Telephone: 629-3977.

Founded 1835.

President: LOUIS W. NORRIS.
Dean of Admissions: F. BONTA.
Librarian: C. H. HELD.

The library contains 130,000 volumes.
Number of teachers: 115.
Number of students: 1,500.

ALMA COLLEGE

ALMA, MICHIGAN 48880

Telephone: Area Code 517, 463-2141.

Founded 1886.

President: ROBERT D. SWANSON.
Registrar: Miss MOLLY PARRISH.
Dean of Admissions: Dr. J. KIMBALL.
Librarian: Miss HELEN MACCURDY.

The library contains 65,000 volumes.
Number of teachers: 65.
Number of students: 940.

ANDREWS UNIVERSITY

ANDREWS RURAL STATION, BERRIEN SPRINGS, MICHIGAN,

Telephone: 471-7771.

Founded 1874.

President: RICHARD HAMMILL.
Registrar: D. DYRESEN.
Librarian: Mrs. MARY J. MITCHELL.

The library contains 144,397 volumes.
Number of teachers: 121.
Number of students: 2,662.

AQUINAS COLLEGE

GRAND RAPIDS, MICHIGAN

Telephone: Glendale 98281.

Founded 1886.

President: ARTHUR F. BUKOWSKI.
Registrar: Sister M. BLANDINA, O.P.
Librarian: Sister M. MALACHI, O.P.

The library contains 55,000 volumes.
Number of teachers: 80.
Number of students: 1,350.

CALVIN COLLEGE

1331 FRANKLIN STREET, S.E., GRAND RAPIDS, MICHIGAN 49506

Telephone: 343-0193

Founded 1876.

President: WILLIAM SPOELHOF, PH.D.
Registrar: P. V. GUCHTE, M.S.
Director of the Library: L. DE KOSTER, PH.D.

The library contains 133,710 volumes.
Number of teachers (1964): 128 full-time, 31 part-time.
Number of students (1964): 2,651.

CENTRAL MICHIGAN UNIVERSITY

MOUNT PLEASANT, MICHIGAN

Telephone: Mt. Pleasant 774-3151.

Founded 1892.

President: JUDSON W. FOUST, A.M., PH.D., LL.D.
Vice-Presidents: W. E. MOORE, A.M., PH.D. (Academic Affairs), N. C. BOVEE, A.M., D.B.A. (Business and Finance), W. C. SMITH, A.M., D.SC. (Public Services).
Registrar: G. N. LAUER, A.M.
Librarian: O. L. EATON, M.S., B.L.S., PH.D.

Number of teachers: 370.
Number of students: 8,200.

DEANS:

School of Arts and Sciences: C. C. RICHTMEYER, A.M., PH.D.
School of Business Administration: W. L. WILLHITE, M.S., PH.D.
School of Education: K. T. BORDINE, A.M., ED.D.
School of Fine and Applied Arts: O. W. STEG, M.M., PH.D.
School of Graduate Studies: G. H. NELSON, A.M., PH.D.
School of Health and Physical Education: W. V. THEUNISSEN, A.M., P.E.D.
Student Personnel Services: C. M. PIKE, M.ED., ED.D.

CRANBROOK ACADEMY OF ART

500 LONE PINE ROAD, BLOOMFIELD HILLS, MICHIGAN 48013

Telephone: 644-1600.

Founded 1927.

President: ZOLTAN SEPESHY.
Registrar: R. THOMAS.
Librarian: Mrs. CONSTANCE I. BARNES.

The library contains 14,000 volumes.
Number of teachers: 9 full-time, 12 part-time.
Number of students: 120.

DETROIT INSTITUTE OF TECHNOLOGY

2300 PARK, DETROIT, MICHIGAN 48201

Telephone: WOodward 2-0830.

Founded 1891.

President: DEWEY F. BARICH.
Vice-President: Dr. A. T. LIU.
Dean of Student Affairs: J. S. YOUNG.
Business Manager: G. F. JEYNES.
Registrar: HELEN KARALASH.
Librarian: R. D. AMAYA.

Number of teachers: 114.
Number of students: 1,959 men, 266 women, total 2,225.
Publications: *The Technonian, Detroit Institute of Technology Newsletter.*

DEANS:

College of Arts and Sciences: Dr. F. R. BOOS (acting).
College of Business Administration: Prof. W. M. KESSEL (acting).
College of Engineering: Dr. A. T. LIU.

EASTERN MICHIGAN UNIVERSITY

YPSILANTI, MICHIGAN

Telephone: Area Code 313, 483-6100.

President: HAROLD E. SPONBERG.
Vice-President for Instruction: B. K. NELSON.
Vice-President for Student Affairs: W. C. LAWRENCE.
Vice-President for Business and Finance: L. E. PROFIT.
Registrar: E. L. MARSHALL.
Librarian: E. W. ERICKSON.

Number of teachers: 350.
Number of students: 10,000.

DEANS:

Education: R. S. GEX.
Graduate Studies: J. GLASGOW.
Liberal Arts and Sciences: A. W. BROWN.
Student Affairs: SUSAN B. HILL.

FERRIS STATE COLLEGE

901 SOUTH STATE STREET, BIG RAPIDS, MICHIGAN 49307

Telephone: 616-796-9971.

Founded 1884.

President: VICTOR F. SPATHELF.
Director of Admissions: K. S. WALKER.
Librarian: GOLDIE T. NOTT.

The library contains 54,171 volumes.
Number of teachers: 273.
Number of students: 6,000.

GENERAL MOTORS INSTITUTE

1700 WEST THIRD AVENUE, FLINT, MICHIGAN 48502

Telephone: CEdar 4-8611.

Founded 1919.

President: HAROLD P. RODES.
Registrar: H. B. BAKER.
Librarian: W. R. ELGOOD.

The library contains 28,000 volumes.
Number of teachers: 230.
Number of students: 2,600.

HILLSDALE COLLEGE

HILLSDALE, MICHIGAN

Telephone: 437-7341.

Founded 1844.

President: Dr. J. DONALD PHILLIPS.
Registrar: Miss FLORENCE KREITER.
Librarian: G. FITCH.

The library contains 50,000 volumes.
Number of teachers: 54.
Number of students: 1,000.

HOPE COLLEGE

HOLLAND, MICHIGAN

Telephone: 396-4611.

Founded 1866.

President: Dr. CALVIN A. VANDERWERF.
Dean of Admissions: R. J. RIETBERG.
Librarian: J. R. MAY.

The library contains 90,000 volumes.
Number of teachers: 109.
Number of students: 1,600.

KALAMAZOO COLLEGE

KALAMAZOO, MICHIGAN

Chartered 1833 as Michigan and Huron Institute; name changed to Kalamazoo Literary Institute 1837, to Kalamazoo College 1855.

President: WEIMER K. HICKS.
Vice-President: L. J. AVERILL.
Assistant to the President and Business Manager: S. H. SIMPSON.
Dean of Students: P. E. COLLINS.
Assistant Dean of Students: P. L. GILBERT.
Assistant Dean of Students for Women: BABETTE V. TRADER.

Number of teachers: 65.
Number of students: 1,100.

MADONNA COLLEGE

36600 SCHOOLCRAFT ROAD, LIVONIA, MICHIGAN

Telephone: Area Code 313, 534-8280.

Founded 1947.

President: Sister MARY RAYNELDA, C.S.S.F.
Registrar: Sister MARY REMIGIA, C.S.S.F.
Librarian: Sister MARY PETRONIA, C.S.S.F.

The library contains 40,000 volumes (approx.)
Number of teachers: 26.
Number of students: 400.

MARYGROVE COLLEGE

8425 WEST McNICHOLS, DETROIT, MICHIGAN 48221

Telephone: Area Code 313, UN 2-8000.

Founded 1910.

President: Sister MARY EMIL, I.H.M.
Registrar: Sister MIRIAM FIDELIS, I.H.M.
Librarian: Sister M. CLAUDIA, I.H.M.

The library contains 116,408 volumes.
Number of teachers: 140.
Number of students: 1,442.

MICHIGAN STATE UNIVERSITY

EAST LANSING, MICHIGAN 48823

Telephone: 355-1855.

Founded 1855; the first college for teaching scientific agriculture, and the forerunner of the American system of land-grant colleges.

President: JOHN A. HANNAH, D.AGR., LL.D., H.H.D., L.H.D., DR.SCI., LITT.D.
Provost: H. R. NEVILLE, PH.D.
Vice-President for Business and Finance, Treasurer: P. J. MAY, B.B.A.
Vice-President for Research Development: M. E. MUELDER, PH.D.
Vice-President for Special Projects: G. A. SABINE, PH.D.
Secretary: J. BRESLIN, M.A.
Registrar: H. C. KING, PH.D.
Director of Libraries: R. E. CHAPIN, PH.D.

Number of teachers: 2,000.
Number of students: 19,826 men, 13,221 women, total 33,047.

Publications: *M.S.U. Magazine, Centennial Review, Business Topics, College of Education Quarterly, University College Quarterly, Agricultural Experiment Station Quarterly, University Catalog, Michigan Economic Record.*

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Social Science: L. L. MCQUITTY, PH.D.
Students: J. A. FUZAK, ED.D.
University Services: W. H. COMBS, PH.D.
Veterinary Medicine: W. W. ARMISTEAD, D.V.M., PH.D.

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Segal, M. J., Social Science
Sell, H. M., Biochemistry
Shaffer, J. D., Agricultural Economics
Shaver, J., Zoology
Shaw, A. B., Education
Sheehe, G., Continuing Education
Shepard, Loraine, Education
Sherbo, A., English
Siebert, F. S., Administration, Journalism
Signell, P. S., Physics and Astronomy
Silvernale, L., Highway Traffic Safety
Simonds, R. H., Management
Slater, C. C., Marketing and Transportation Administration
Smith, A. J. M., Comparative Literature
Smith, A. J., Metallurgy, Mechanics and Materials Science
Smith, B. L., Political Science
Smith, H. C., Labor and Industrial Relations, Psychology
Smith, J. W., Education
Smith, K. H., Administration
Smith, L., Civil and Sanitary Engineering
Smith, M., Education
Smith, P. E., Marketing and Transportation Administration
Smith, V. E., Economics
Smucker, O. C., Social Science, Sociology
Smuckler, R. H., Administration, Political Science
Smykay, E. W., Marketing and Transportation Administration
Snyder, W. W., Dairy
Solomon, M. D., Education, Natural Science
Sommers, L., Geography
Sower, C., Sociology
Speck, J. C., Jr., Biochemistry
Spence, R. D., Physics and Astronomy
Starring, R. W., American Thought and Language
Staudt, T. A., Marketing and Transportation Administration
Stearns, T. L., Education
Stefflre, B., Education
Stein, R. K., Music
Stevens, T. D., Forestry
Stewart, Bonnie M., Mathematics
Stieber, J., Economics, Labor and Industrial Relations
Stocking, G. W, Economics
Stockton, J. J., Microbiology and Public Health
Stone, K. G., Jr., Administration, Chemistry
Strandness, T. B., American Studies, American Thought and Language
Strassmann, W. P., Economics
Strawbridge, D. W., Natural Science
Strelzoff, J. A., Electrical Engineering
Sullivan, R., History
Summers, H. B., Television and Radio
Sur, W. R., Music
Sweany, H. P., Education
Sweetland, W., Humanities
Swenson, R., Soil Science

Tack, P. I., Fisheries and Wildlife, Zoology
Taggart, G. L., Administration, Sociology
Tata, R. J., Music
Taylor, Clair L., Administration
Taylor, D. A., Marketing and Transportation Administration
Taylor, J. F. A., Philosophy
Taylor, M. C., Economics
Teran, C. M., Romance Languages
Tesar, M. B., Crop Science
Thomas, G. L., Speech
Thomas, J. W., Dairy
Thompson, J. W., Marketing and Transportation Administration
Thompson, K. F., Humanities
Thompson, N. R., Crop Science
Thornton, C. S., Zoology
Thorpe, Alice C., Home Management and Child Development
Thurman, A. L., Jr., American Thought and Language
Timnick, A., Chemistry
Titkemeyer, C. W., Anatomy
Tolbert, N. E., Biochemistry
Tomber, M., Mathematics
Treaster, W. L., Administration
Triffet, T., Metallurgy, Mechanics and Materials Science
Trout, G. M., Food Science
Trow, J. W., Geology
Turk, L. M., Soil Science
Turner, R. F., Police Administration and Public Safety
Useem, J., Sociology
Useem, Ruth H., Sociology
VanHuss, W. D., Health, Physical Education and Recreation
VanRoekel, B. H., Education
Varg, P. A., Administration, History
Vescolani, F. J., Education
Vincent, W. H., Agricultural Economics
Vinge, C. L., Geography
Von Tersch, L. W., Electrical Engineering
Wallace, G. J., Zoology
Ward, T., Education
Warner, W. L., Management, Marketing and Transportation Administration
Warrington, W. G., Administration, Evaluation Services
Weaver, L., Police Administration and Public Safety
Webster, R. W., Health, Physical Education and Recreation
Wein, H. H., Management
Weisinger, H., Comparative Literature, English
Wells, C. P., Mathematics
Wells, W. W., Biochemistry
Wessel, Janet A., Health, Physical Education and Recreation
White, D. P., Forestry
Whitehair, C. K., Pathology
Whiteside, E. P., Soil Science
Whitfield, Loa D., Co-operative Extension Service
Wickert, F. R., Management, Psychology
Williams, A., Comparative Literature, English
Wilson, G., Botany and Plant Pathology
Winburne, J. N., American Thought and Language
Winder, C. L., Psychology
Winton, B., Poultry Science
Witt, L. W., Agricultural Economics
Wittwer, S. H., Horticulture
Wolcott, A. R., Soil Science
Wolfanger, L. A., Soil Science
Wolterink, L. F., Physiology
Womochel, H. L., Metallurgy, Mechanics and Materials Science
Wood, G. P., Agricultural Economics
Wood, W. A., Biochemistry
Woodruff, T. O., Physics and Astronomy
Wooley, P., Entomology
Wright, J. W., Forestry
Wright, K. T., Agricultural Economics
Wright, R. L., American Thought and Language, Comparative Literature
Wrigley, C. F., Psychology
Wronski, S. P., Education
Wu, T. H., Civil and Sanitary Engineering
Wylie, A. E., Forest Products
Yanders, A. F., Zoology
Yen, T., Mathematics
Yunck, J. A., Comparative Literature, English
Zerby, L. K., Philosophy
Zindel, H. C., Poultry Science
Zinn, J., Geology
Zwarensteyn, H., Business Law, Insurance and Office Administration

OAKLAND UNIVERSITY
(Affiliated with Michigan State University)

ROCHESTER, MICHIGAN

Telephone: Area Code 313, 338-7211.

Founded 1957.

President: John A. Hannah.

Chancellor: D. B. Varner.

Provost: D. D. O'Dowd.

Administrative Assistant to the Chancellor: H. N. Stoutengerg.

Director of Admissions: G. Brown.

Director of Business Affairs: R. W. Swanson.

Director of University Relations: T. Crower.

Registrar: T. H. Atkinson.

Librarian: F. Cammack.

Number of teachers: 108.

Number of students: 1,200 men, 1,100 women, total 2,300.

Publications: *Oakland University Catalog, Annual Report, Alumni Newsletter, Oakland Reading Review.*

Deans:

Continuing Education: L. R. Eklund.

School of Engineering: J. E. Gibson.

School of Education: L. J. Hetenyi.

College of Arts and Sciences: G. T. Matthews.

Professors:

Brace, R. M., Ph.D., History
Collins, W. S., Ph.D., Music
Dettman, J. W., Ph.D., Mathematics
Ehrling, S., Music
Galloway, J. C., Ph.D., Art
Gibson, J. E., Ph.D., Engineering
Haden, J. C., Ph.D., Philosophy
Hahn, H. T., Ed.D., Education
Hammerle, W. G., Ph.D., Engineering Science
Harding, C. V., Ph.D., Biology
Hetenyi, L. J., Ed.D., Education
Hoopes, R., Ph.D., English
Johnson, G. P., Ph.D., Mathematics
McKay, J. H., Ph.D., Mathematics
Matthews, G. T., Ph.D., History
Mobley, R. C., Ph.D., Physics
Pitts, J. R., Ph.D., Sociology
Schwab, W., Ph.D., English
Torch, R., Ph.D., Biology
Williamson, R. J., Ph.D., Physics
Wilson, W. L., Ph.D., Biology
Yntema, T. O., Ph.D., Economics and Business

MICHIGAN TECHNOLOGICAL UNIVERSITY

(formerly Michigan College of Mining and Technology)

HOUGHTON, MICHIGAN

Founded 1885.

President: R. L. Smith.

Vice-President: E. T. Williams.

Director of Student Services and Registrar: T. C. Sermon.

Dean of the Faculty: F. Kerekes.

Director of Library: M. V. Krenitsky.

Number of teachers: 214, including 64 professors.

Number of students: 3,602.

Publication: *Michigan Tech Bulletin.*

Heads of Departments:

Mining Engineering: Prof. W. Been.

Physical Education: Prof. A. J. Bovard.

Mathematics: Dr. G. C. Byers.

Electrical Engineering: Dr. J. R. Clark.

Mechanical Engineering: Dr. W. C. Fitch.

Humanities and Social Studies: Dr. B. L. Fryxell.

Chemistry and Chemical Engineering: Dr. L. B. Hein.

Forestry: Dr. G. A. Hesterberg.

Metallurgy: Prof. R. J. Smith (acting).

Business and Engineering Administration: Prof. T. N. Smith.

Geology and Geological Engineering: Dr. A. K. Snelgrove.

Biological Sciences: Dr. J. D. Spain.

Physics: Dr. D. W. Stebbins.

Engineering Mechanics: Dr. C. E. Work.

Civil Engineering: Dr. G. A. Young.

ROTC—Air Force: Maj. B. V. Miller.

ROTC—Army: Lt.-Col. C. K. Lawrence.

Heads of Research Agencies:

Institute of Mineral Research: M. E. Volin.

Institute of Wood Research: Dr. H. Garland.

Ford Forestry Center: Dr. E. A. Bourdo.

Institute of Accounting Research: Prof. S. Tidwell.

Sault Ste. Marie Branch

Vice-President and Director: Dr. K. J. Shouldice.

Branch Registrar: J. C. Myers.

Number of teachers: 39, including 1 professor.

Number of students: 523 men, 85 women, total 608.

NAZARETH COLLEGE

NAZARETH, MICHIGAN 49074

Telephone: Area Code 616, 349-7783.

Founded 1924.

President: Sister M. Verona, S.S.J.

Registrar: Sister Ruth Bernard, S.S.J.

Director of Admissions: B. B. Kettenbeil.

Librarian: Sister THOMAS AQUINAS, S.S.J.

The library contains 37,308 volumes.
Number of teachers: 42.
Number of students: 505.

NORTHERN MICHIGAN UNIVERSITY

MARQUETTE, MICHIGAN

Telephone: 225-1341.

Founded 1899.

President: EDGAR L. HARDEN.
Director of Admissions: R. L. BLISS.
Librarian: Miss HELVI WALKONEN.

The library contains 81,631 volumes.
Number of teachers: 197.
Number of students: 4,291.

SACRED HEART SEMINARY

2701 CHICAGO BOULEVARD, DETROIT, MICHIGAN 48206

Telephone: TOwnsend 8-2700.

Founded 1919.

President: Rt. Rev. Mgr. FRANCIS X. CANFIELD.
Registrar: Rev. T. J. OZOG.
Librarian: A. RZEPECKI.

The library contains 29,000 volumes.
Number of teachers: 25.
Number of students: 265.

SIENNA HEIGHTS COLLEGE

ADRIAN, MICHIGAN

Telephone: 265-5135.

Founded 1919.

President: Sister MARY PETRONILLA, O.P.
Dean: Sister M. ROSE ELLEN, O.P.
Registrar: Sister MARY BERTHA, O.P.
Librarian: Sister MIRIAM PATRICIA, O.P.

The library contains 55,000 volumes.
Number of teachers: 55.
Number of students: 757.

UNIVERSITY OF DETROIT

DETROIT 21, MICHIGAN

Telephone: Area Code 313, 342-1000.

Founded 1877 as Detroit College and Chartered as such 1881. Chartered as a University 1911.

President: LAURENCE V. BRITT, S.J., PH.D.
Vice-President for Academic Affairs: M. CARRON, S.J., PH.D.
Vice-President for Student Affairs: H. F. SMITH, S.J., PH.D.
Vice-President for Business Affairs and Treasurer: D. E. MEIER, S.J., M.A.
Vice-President in Charge of Alumni, Athletics, Development and Community Relations: J. R. MULROY, M.A.
Secretary: M. CARRON, S.J., PH.D.
Registrar: J. A. BERKOWSKI, PH.B.
Librarian: R. J. KEARNS, S.J., PH.D.

The library contains 263,000 volumes.
Number of full-time teachers: 324.
Number of students: 4,939 full-time, 4,401 part-time.

Publication: *Bulletin* (monthly, Dec. to Aug.).

DEANS:

College of Arts and Sciences: M. CARRON, S.J., PH.D.
College of Commerce and Finance: B. F. LANDUYT, PH.D.
College of Engineering: J. J. UICKER, M.S. IN M.E.
College of General Studies: E. M. STEINBACH, M.A.
School of Law: L. H. CHARBONNEAU, LL.B.
School of Dentistry: A. R. BARALT, D.D.S.
Evening Division: F. A. ARLINGHAUS, PH.D.
College of Commerce and Finance, Evening Division: H. A. WARD, PH.D.
Dean of Men: T. A. EMMET, ED.S.
Dean of Women: HELEN E. KEAN, M.A.

THE UNIVERSITY OF MICHIGAN

ANN ARBOR, MICHIGAN

Telephone: Area Code 313, 663-1511.
Telegraphic Address: Univ. of Mich., Ann Arbor, Mich.

Founded 1817.

President: HARLAN HATCHER, PH.D., LITT.D., LL.D.
Executive Vice-President: M. L. NIEHUSS, LL.B.
Vice-President for Academic Affairs: R. W. HEYNS, PH.D.
Vice-President in charge of Business and Finance: W. K. PIERPONT, M.B.A., PH.D.
Vice-President for Student Affairs: J. A. LEWIS, ED.D.
Vice-President for Research: A. G. NORMAN, PH.D., D.SC.
Vice-President and Director of Dearborn Center: W. E. STIRTON, M.S., SC.D.
Vice-President and Director of University Relations: M. RADOCK, M.S.J.
Secretary of the University: E. A. WALTER, A.M.
Director of the Residential College and Associate Dean of the College of literature, Science and the Arts: B. D. THUMA, PH.D.
Director of the Office of Registration and Records: E. G. GROESBECK, PH.D.
Director of Admissions: C. VROMAN, PH.D.
Director of the University Library: F. H. WAGMAN, PH.D.
University Observatory, Chairman, Department of Astronomy: F. D. MILLER, PH.D.

Library: *see* Libraries.
Number of teachers: 2,968.
Number of resident students: 17,688 men, 9,700 women, total 27,388.

DEANS:

College of Architecture and Design: R. F. MALCOMSON, M.S.
College of Engineering: S. S. ATTWOOD, M.S.
College of Literature, Science and the Arts: W. HABER, PH.D.
College of Pharmacy: T. D. ROWE, M.S., PH.D.
School of Graduate Studies: R. A. SAWYER, PH.D., SC.D., LL.D.
Law School: A. F. SMITH, S.J.D.
Medical School: W. N. HUBBARD, A.B., M.D.
School of Business Administration: F. A. BOND, PH.D.
School of Dentistry: P. H. JESERICH, D.D.S.
School of Education: W. C. OLSON, A.M., PH.D.
School of Natural Resources: S. H. SPURR, PH.D.
School of Music: J. B. WALLACE, M.MUS.
School of Nursing: RHODA R. RUSSELL, A.M., R.N.
School of Public Health: M. E. WEGMEN, M.D., M.P.H.
School of Social Work: F. F. FAURI, LL.B.
Flint College: D. M. FRENCH, M.A., PH.D.

PROFESSORS:

ABELL, M. R., M.D., PH.D., Pathology
ACKERMANN, W. W., PH.D., Epidemiology
ACKLEY, G., PH.D., Economics
ADAMSON, T. C., Jr., PH.D., Aeronautical and Astronautical Engineering
ALBANO, J. F., M.A., Architecture
ALEXANDER, P. J., DR.JUR., PH.D., History
ALLEN, F. A., LL.B., Law
ALLEN, W., B.M.E., D.ENG., Industrial Engineering
ALSTON, W. P., PH.D., Philosophy
ALT, G. L., C.E., Civil Engineering
ALVORD, H. H., M.S.E., Mechanical Engineering
ANDERSON, I. H., PH.D., Education
ANDERSON, L. C., PH.D., Chemistry
ANDERSON, L. W., PH.D., Education
ANDERSON-IMBERT, E. E., DR. EN FIL. Y LET., Spanish
ANGELL, R. C., A.M., PH.D., Sociology
APPLEGATE, O. C., D.D.S., D.D.SC., Dentistry
ARNOLD, C. A., PH.D., Botany and Geology
ARTHOS, J., PH.D., English
ATKINSON, J. W., PH.D., Psychology
ATTWOOD, S. S., M.S., Electrical Engineering
AXELROD, S. J., M.D., Public Health Economics

BADER, A. L., A.M., PH.D., English
BADGLEY, C. E., M.D., Surgery
BAGCHI, B. K., PH.D., Psychiatry
BAIRD, CLARABEL B., A.M., Speech
BAKER, B. L., PH.D., Anatomy
BAKER, D. C., A.B., Journalism
BALD, F. C., PH.D., History
BALLIS, W. B., PH.D., Political Science
BARRY, A., PH.D., Anatomy
BARTELS, R. C. F., PH.D., Mathematics
BATES, M., PH.D., D.SC., Zoology
BAXTER, D. V., PH.D., Forest Patholo and Botany
BEACH, L. W., PH.D., Education
BEAN, J. W., PH.D., M.D., Physiology
BEARDSLEY, R. K., PH.D., Anthropology
BECKETT, M. B., M.D., Public Health
BEEUWKES, ADELIA M., M.S., Public Health Nutrition
BEHRMAN, S. J., CH.B., F.R.C.O.G., Obstetric and Gynæcology, Postgraduate Medicine, and Maternal and Child Health
BEIERWALTES, W. H., A.B., M.D., Internal Medicine

BENFORD, H. B., B.S.E., Naval Architecture and Marine Engineering
BENNINGHOFF, W. S., PH.D., Botany
BERG, G. V., PH.D., Civil Engineering
BERNSTEIN, R. B., PH.D., Chemistry
BERRY, R. M., B.C.E., Geodesy and Surveying
BIDELMAN, W. P., PH.D., Astronomy
BIGELOW, W. C., PH.D., Chemical and Metallurgical Engineering
BISHOP, W. W., J.D., Law
BLACKETT, O. W., A.M., PH.D., Business Statistics
BLAKE, W. E., A.M., PH.D., Greek
BLATT, J., Music
BLOOMER, H. H., PH.D., Speech
BLUM, G. S., PH.D., Psychology
BOHR, D. F., M.D., Physiology
BOLT, J. A., M.M.E., M.S., M.E., Mechanical Engineering
BOND, F. A., PH.D., Business Economics
BORCHARDT, J. A., PH.D., Civil Engineering
BORDIN, E. S., PH.D., Psychology
BOULDING, K. E., M.A., Economics
BOWDITCH, J., PH.D., History
BOYS, R. C., PH.D., English
BRANDT, C. G., LL.M., English
BRASSFIELD, C. R., PH.D., Physiology
BRATER, E. F., PH.D., Hydraulic Engineering
BRAUN, F. X., PH.D., German
BRAZER, H. E., PH.D., Economics
BRIGGS, L. I., PH.D., Geology
BRITTON, W. E., PH.D., English
BROCKWAY, L. O., PH.D., Chemistry
BROMAGE, A. W., A.M., PH.D., Political Science
BROWDER, O. L., Jr., S.J.D., Law
BROWN, D. B., PH.D., Slavic Languages and Literature
BROWN, D. E. S., PH.D., Zoology
BROWN, G. C., M.A., SC.D., Epidemiology
BROWN, G. S., PH.D., History
BROWN, R. K., PH.D., Electrical Engineering
BROWNELL, L. E., PH.D., Chemical and Metallurgical Engineering and Nuclear Engineering
BRUBACHER, J. S., PH.D., Higher Education
BRUMFIEL, C., PH.D., Mathematics
BRUMMET, R. L., PH.D., C.P.A., Accounting
BULL, H. S., M.S., Electrical Engineering
BURCKHALTER, J. H., PH.D., Pharmaceutical Chemistry
BURKLUND, C. E., A.M., PH.D., English
BURKS, A. W., PH.D., Philosophy
BURT, W. H., A.M., PH.D., Zoology
CAIN, S. A., PH.D., Conservation and Botany
CALVER, E. T., PH.D., English
CAMERON, G. G., A.M., PH.D., LITT.D., Near Eastern Cultures
CAMPBELL, A., PH.D., Psychology and Sociology
CAREY, J. J., M.S., Electrical Engineering
CARR, A. J., PH.D., English
CARR, E. A., Jr., A.B., M.D., Postgraduate Medicine and Pharmacology
CARTER, MARY D., PH.D., Library Science
CARTWRIGHT, D., PH.D., Psychology
CASE, AVA C., M.MUS., Piano
CASE, K. M., PH.D., Physics
CASE, L. O., PH.D., Chemistry
CASSARA, F., M.S.DES., Art
CESARI, L., PH.D., Mathematics
CHAMBERS, W. L., M.L.A., Landscape Architecture
CHASE, W. W., PH.D., Wildlife Management
CHILD, C. G., A.B., M.D., Surgery
CHRISTENSEN, H. N., PH.D., Biological Chemistry
CHRISTMAN, A. A., PH.D., Biological Chemistry
CHU, C., PH.D., Electrical Engineering
CHURCHILL, R. V., M.S., PH.D., Mathematics
CHURCHILL, S. W., PH.D., Chemical Engineering
CLARK, J. A., SC.D., Mechanical Engineering
CLARK, S. K., PH.D., Engineering Mechanics
CLAUDE, I. L., Jr., PH.D., Political Science
CLOVER, ELZADA U., PH.D., Botany
COBURN, N., PH.D., Mathematics
COFFEY, H. R., A.B., J.D., Law
COHEN, W. J., PH.D., Public Welfare Administration
COJEEN, R. H., M.B.A., D.B.A., Business Administration
COLLINS, M., M.B.A., Business Administration
COLWELL, L. V., B.S.E.(M.E.), M.S., Mechanical Engineering
CONARD, A. F., LL.M., J.S.D., Law
CONN, W. J., M.D., Internal Medicine
COOK, W. A., A.B., Industrial Health and Hygiene
COOMBS, C. H., A.M., PH.D., Psychology
COON, M. J., PH.D., Biological Chemistry
COOPER, D. H., M.A., PH.D., Educational Administration
COOPER, F. E., J.D., Law
COOPERRIDER, L. K., J.D., Law
COPELAND, A. H., Sr., PH.D., Mathematics
COPI, I. M., PH.D., Philosophy
COPLEY, F. O., PH.D., Latin
COUCH, R. B., B.S., AE.E., Naval Architecture and Marine Engineering
COURTE, R., Diplome Supérieur Brussels, Viola and Chamber Music
COWAN, D. R. G., PH.D., Marketing
CRAIG, C. C., A.M., PH.D., Mathematics
CRAINE, L. E., PH.D., Conservation
CRANE, H. R., PH.D., Physics
CRANEFIELD, ELEANOR G., A.M., Social Work
CRISLER, H. O., B.S., Physical Education
CROWLEY, MARY C., M.S.P.H., Dentistry
CRUMP, J. I., Jr., PH.D., Chinese
CUNNINGHAM, R. A., LL.B., Law
CURTIS, A. C., B.S., M.D., Dermatology and Syphilology
CUTRONA, L. J., PH.D., Electrical Engineering
CUYLER, LOUSIE E., PH.D., Music
DARLING, D. A., PH.D., Mathematics
DAVENPORT, F. M., M.D., SC.MED.D., Internal Medicine and Epidemiology
DAVENPORT, H. W., PH.D., Physiology
DAVEY, W. N., A.B., M.D., Internal Medicine
DAVID, H. T., PH.D., Music
DAVIS, C. M., A.M., PH.D., Geography
DAVIS, J. L., PH.D., English
DAVIS, K. P., M.F., PH.D., Forest Management
DAVISSON, C. N., PH.D., Marketing
DAWSON, W. R., PH.D., Zoology
DE JONG, R. N., M.S., M.D., Neurology
DEMPSTER, W. T., SC.D., Anatomy
DENNING, R. M., PH.D., Mineralogy
DENNISON, D. M., PH.D., Physics
DENO, R. A., PH.D., Pharmacognosy
DENSMORE, G. E., A.M., Speech
DEXTER, B. W., M.S., Piano
DIMOND, S. E., PH.D., Education
DIXON, R. L., M.B.A., PH.D., C.P.A., Accounting
DIXON, W. R., PH.D., Education
DODGE, H. J., M.D., M.P.H., Epidemiology
DODGE, R. A., M.S.E., Engineering Mechanics
DODGE, S. D., PH.D., Geography
DOERR, R. E., D.D.S., M.S., Dentistry
DOLPH, C. L., PH.D., Mathematics
DOMINO, E. F., M.S., M.D., Pharmacology
DORR, H. M., PH.D., Political Science
DOW, W. G., M.S.E., Electrical Engineering
DUEY, P. A., M.MUS., PH.D., Voice
DUFF, I. F., B.A., M.D., Internal Medicine
DUMOND, D. L., PH.D., L.H.D., History
DUNCAN, O. D., PH.D., Sociology
DURNER, Lt.-Col. D. E., U.S.A.F., B.B.A., Air Science
DWYER, P. S., PH.D., Mathematics
DYKSTRA, G. O., M.B.A., Business Law
EASLICK, K. A., A.M., D.D.S., Dentistry and Public Health Dentistry
ECKSTEIN, A., M.S., PH.D., Economics
EDEL, O. A., Violincello and Chamber Music
EDMONSON, G. V., M.E., Mechanical Engineering
EDWARDS, R., PH.D., Far Eastern Art
EGGERSTEN, C. A., PH.D., Education
EGGLETON, F. E., PH.D., Zoology
EHRMANN, H. M., A.M., PH.D., History
EISENBENG, M. J., M.F.A., PH.D., History of Art
EITEMAN, W. J., PH.D., Finance
ELDERFIELD, R. C., PH.D., D.SC., Chemistry
ELDERSVELD, S. J., PH.D., Political Science
ELLIOTT, A. M., PH.D., Zoology
ELONEN, ANNA S., PH.D., Psychology, Psychiatry and Pædiatrics, Communicable Diseases
ELSE, G. F., PH.D., Greek
ELVING, P. J., PH.D., Chemistry
ENNS, J. H., PH.D., Engineering Mechanics
ERICKSEN, S. C., PH.D., Psychology
ESTEP, S. D., J.D., Law
EVALDSON, R. L., PH.D., Mechanical Engineering
EVANS, F. C., PH.D., Zoology
EVANS, F. G., PH.D., Anatomy
EVANS, T. N., A.B., M.D., Obstetrics and Gynæcology
FAJANS, S. S., B.S., M.D., Internal Medicine
FALLS, H. F., M.S., M.D., Ophthalmology
FARRIS, H. W., PH.D., Electrical Engineering
FAURI, F. F., LL.B., Public Welfare Administration
FAUST, H. E., D.D.S., Dentistry
FELHEIM, M. J., PH.D., English
FERRELL, J. O., PH.D., Slavic Languages and Literatures
FIFIELD, R. H., PH.D., Political Science
FINCH, S. M., M.S., M.D., Psychiatry
FINE, S., PH.D., History
FINNEY, R. L., L.H.D., Musical Composition
FIREBAUGH, J. J., PH.D., English
FISCHER, C. H., PH.D., F.S.A., Actuarial Mathematics and Insurance
FITTS, P. M., PH.D., Psychology
FLANDERS, N. A., M.A., PH.D., Education
FLETCHER, R. C., M.A., Social Work
FLINN, R. A., M.S., SC.D., Metallurgical Engineering
FLOOD, M. W., PH.D., Industrial Engineering
FORD, R. S., PH.D., Economics
FORSYTH, G. H., M.F.A., History of Art
FOSTER, M., PH.D., Zoology
FOX, R. S., M.A., ED.D., Education
FRALICK, F. B., M.S., M.D., Ophthalmology
FRANCIS, T., Jr., M.S., M.D., SC.D., Epidemiology
FRANKEN, P. A., PH.D., Physics
FRANKENA, W., PH.D., Philosophy
FREEDMAN, R., PH.D., Sociology
FREEMAN, J. W., PH.D., Metallurgical Engineering
FRENCH, A. J., M.S., M.D., Pathology
FRENCH, D. M., B.LITT., PH.D., Political Science
FRENCH, ESTHER L., PH.D., Physical Education
FRENCH, J. R. P., Jr., PH.D., Psychology
FREUD, CLARICE, M.S.S., Social Work
FROHLICH, M. M., A.B., M.D., Psychiatry
GAGE, J. A., M.S., Industrial Engineering
GARRISON, G. R., A.M., Speech
GAULT, E. H., M.B.A., PH.D., Marketing

GAY, HELEN, PH.D., Zoology
GEDNEY, W. J., PH.D., English and South-east Asian Languages
GEHRING, F. W., PH.D., Mathematics
GEORGE, B. J., J.D., Law
GERARD, R. W., M.D., PH.D.(PHYSIOL.), Neurophysiology,
GERHARDT, P., PH.D., Bacteriology
GETTING, V. A., M.D., DR.PH., Public Health Administration
GIBBONS, P., D.D.S., M.S., Dentistry
GIES, T. G., PH.D., Finance
GJELSNESS, R. H., LITT.D., Library Science
GLASER, E., PH.D., Spanish and Portuguese
GODDARD, E. N., PH.D., Geology
GOMBERG, H. J., PH.D., Nuclear and Electrical Engineering
GOOCH, D. B., M.DES., Design
GRACE, F., PH.D., Political Science
GRAF, O. G., PH.D., German
GRAVES, W. H., B.S.E.(CH.E.), Automotive Engineering
GREENBERG, G. R., PH.D., Biological Chemistry
GREGORY, G. R., PH.D., Resource Economics
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GRIMES, D. M., PH.D., Electrical Engineering
GUTHE, K. F., PH.D., Zoology

HABER, W., A.M., PH.D., Economics
HADDOCK, F. T., M.S., Astronomy and Electrical Engineering
HAIGHT, C., M.D., Surgery
HAIRSTON, N. G., PH.D., Zoology
HALFORD, J. O., PH.D., Chemistry
HALL, G. L., M.A., D.ED., Higher Education
HALL, K. W., B.S., Mechanical Engineering
HALL, R. B., A.M., PH.D., Geography
HALMOS, P. R., PH.D., Mathematics
HALSTEAD, W. P., PH.D., Speech
HAMMETT, R. W., M.ARCH., Architecture
HAMMITT, F. G., PH.D., Nuclear Engineering
HANCOCK, W. M., D.ENG., Industrial Engineering
HANDLER, A. B., M.S.C.(ECON.), Architecture
HANSEN, A. G., PH.D., Mechanical Engineering
HARD, DOROTHY, D.D.S., M.S.P.H., Dentistry
HARRELL, E. R., Jr., M.D., Dermatology
HARRIS, Lt.-Col. T. A., B.S.(M.E.), Military Science
HARRISON, G. B., M.A., PH.D., English
HARTSOOK, J. T., M.S., D.D.S., Dentistry
HARTWEG, N. E., PH.D., Zoology
HARVEY, W. B., J.D., Law
HATCHER, H., PH.D., LL.D., English
HAUGH, H. A., M.S.M., B.D., Voice
HAWLEY, A. H., A.M., PH.D., Sociology
HAY, G. E., PH.D., Mathematics
HAYES, D. A., PH.D., Finance
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HENDERSON, A. D., M.B.A., LL.D., L.H.D., Higher Education
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HEPWORTH, S. R., PH.D., C.P.A., Accounting
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HIGHAM, J., PH.D., History
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HOAD, W. M., PH.D., Small Business
HODGES, F. J., B.S., M.D., Radiology
HOK, G., E.E., Electrical Engineering
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HOURANI, G. F., PH.D., Arabic Studies
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HOWE, R. M., PH.D., Aeronautical Engineering
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HUNSICKER, P. M., M.P.E., PH.D., Physical Education
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HYDE, J. W., M.C.P., Planning
HYMA, A., A.M., PH.D., History

IGLEHART, R. L., B.S.ED., Art
ISAKSON, G., SC.D., Aeronautical Engineering

JAY, P., D.D.S., M.S., SC.D., Dentistry
JENKINS, H. T., B.S.E.(C.E.), M.S.E., Engineering Graphics
JENSEN, GALE E., PH.D., Education
JOCHIM, K. E., PH.D., Physiology
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JOHNSTON, F. D., B.S.E.(E.E.), M.D., Internal Medicine and Postgraduate Medicine
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JONES, K. L., PH.D., Botany
JONES, P. S., PH.D., Mathematics
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JUVINALL, R. C., M.A.E., M.S.M.E., Mechanical Engineering

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KAHN, E. A., M.D., Surgery
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KAPLAN, W., PH.D., Mathematics
KATONA, G., PH.D., Psychology and Economics
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KATZ, D. LAV., M.S., PH.D., Chemical Engineering
KATZ, E., PH.D., Physics
KAUFMANN, B. P., PH.D., Zoology
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KELL, W. G., PH.D., C.P.A., Accounting
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KELLUM, L. B., PH.D., Geology
KELLY, E. L., PH.D., SC.D., Psychology
KELMAN, H. C., PH.D., Psychology
KEMP, N. E., PH.D., Zoology
KEMPE, L. L., PH.D., Chemical and Sanitary Engineering
KENNEDY, F. R., J.S.D., Law
KERR, D. A., D.D.S., Dentistry
KERR, W., PH.D., Nuclear and Electrical Engineering
KESLING, R. V., PH.D., Geology
KETCHAM, W. A., PH.D., Education
KIDDLE, L. B., PH.D., Spanish
KIKUCHI, C., PH.D., Nuclear Engineering
KILGOUR, R. L., PH.D., Library Science
KIMBALL, S. L., B.C.L., Law
KING, J. S., PH.D., Nuclear Engineering
KINGERY, R. H., D.D.S., Dentistry
KISH, G., D.SC., PH.D., Geography
KISH, L., PH.D., Sociology
KLEIN, M. J., M.MUS., Choral Music
KOHL, J. C., B.S.E.(C.E.), Civil Engineering
KOLLEN, J. L., Piano
KUETHE, A. M., PH.D., Aerodynamics
KUHN, S. McA., PH.D., English
KURATH, H., PH.D., English

LAGLER, K. F., PH.D., Zoology, Fisheries
LAHTI, A. K., B.F.A., Design
LAING, L. H., PH.D., Political Science
LAMORE, C. H., M.A., Drawing and Painting
LAMPE, I., PH.D., M.D., Radiology
LANDECKER, W. S., J.U.D., PH.D., Sociology
LANDES, K. K., A.M., PH.D., Geology
LANGFORD, C. H., PH.D., Philosophy
LANSING, J. B., PH.D., Economics
LAPORTE, O., PH.D., Physics
LARSON, C. T., M.ARCH., Architecture
LAWRENCE, M., PH.D., Otolaryngology
LEGATSKI, L. M., SC.D., Civil Engineering
LEONARD, I. A., PH.D., Spanish-American Literature and History
LESLIE, W. R., LL.B., PH.D., History
LEVEQUE, W. J., PH.D., Mathematics
LEVINSON, H. M., M.B.A., PH.D., Economics
LEWIS, J .A., ED.D., Education
LEWIS, THELMA B., M.MUS., Voice
LIKERT, R., A.B., PH.D., Psychology and Sociology
LILLYA, C. P., M.MUS., Trumpet and Cornet
LIPPITT, R., M.A., PH.D., Psychology and Sociology
LIPSON, C., PH.D., Mechanical Engineering
LITZENBERG, K., A.M., PH.D., English
LIU, V.-C., PH.D., Aeronautical Engineering
LOVING, A. D., ED.D., Education
LOWELL, J. H., M.M., PH.D., Music
LOWRY, R. J., PH.D., Botany
LYNDON, R. C., PH.D., Mathematics
LYON, J. A. M., PH.D., Electrical Engineering

McCAIN, R. FAYE, M.A., R.N., Nursing
McCLENNEN, J., PH.D., English
McCLURE, T. F., M.F.A., Design
McCLUSKY, H. Y., PH.D., LL.D., Educational Psychology
McCORMICK, W. W., PH.D., Physics
McCRACKEN, P. W., PH.D., Business Conditions
MACDONALD, D. L., PH.D., Insurance
McEWEN, G. M., PH.D., English
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McKEACHIE, W. J., PH.D., LL.D., Psychology
McLAUGHLIN, D. B., PH.D., Astronomy
McMURRY, K. C., PH.D., Geography
MACNEE, A. B., SC.D., Electrical Engineering
McNEIL, ELLA E., M.A., R.N., Public Health Nursing
McVAUGH, R., PH.D., Botany
MAGNUSON, H. J., M.P.H., M.D., Industrial Health and Internal Medicine
MAIER, N. R. F., PH.D., Psychology
MAINS, E. B., PH.D., Botany
MANN, F. C., PH.D., Psychology
MANN, W. R., D.D.S., Dentistry
MARCKWARDT, A. H., A.M., PH.D., English
MARIN, A., B.S.E.(M.E.), Mechanical Engineering
MARRA, A. A., PH.D., Wood Technology
MARTIN, J. J., D.SC., Chemical and Metallurgical Engineering
MASON, D. R., PH.D., Chemical Engineering
MASUR, E. F., PH.D., Engineering Mechanics
MATHEWS, K. P., A.B., M.D., Internal Medicine
MAUGH, L. C., B.S.E.(C.E.), PH.D., Civil Engineering

MAURER, W. H., B.J., Journalism
MEINKE, W. W., PH.D., Chemistry
MEISEL, J. H., PH.D., Political Science
MELTON, A. W., PH.D., Psychology
MENDENHALL, G. E., PH.D., Near Eastern Studies
METZNER, C. A., PH.D., Public Health Economics
MEYER, H. J., PH.D., Social Work and Sociology
MEYERS, MURIEL C., A.B., M.D., Internal Medicine
MILHOLLAND, J. E., PH.D., Psychology
MILLER, D. R., PH.D., Psychology
MILLER, F. D., PH.D., Astronomy
MILLER, J. G., M.D., PH.D., Psychiatry
MILLER, N. E., PH.D., Speech
MILLER, N. F., B.S., M.D., Obstetrics and Gynæcology, Diseases of Women and Children
MILLER, R. R., PH.D., Zoology
MINER, H. M., A.M., PH.D., Sociology and Anthropology
MOHLER, O. C., PH.D., Astronomy
MOORE, A. D., M.S., Electrical Engineering
MOORE, F. E., B.A., Biostatics
MOORE, F. G., PH.D., Industrial Management
MORGAN, EDITH G., M.S., R.N., Nursing
MORGAN, J. N., PH.D., Economics
MORLEY, D. E., PH.D., Speech
MORRISON, R. B., PH.D., Aeronautical Engineering
MORSE, W. C., PH.D., Educational Psychology
MOSHER, R. F., S.M., Electrical Engineering
MOUZON, J. C., PH.D., Electrical Engineering
MOYERS, R. E., D.D.S., PH.D., Dentistry
MUELLER, F. F., M.MUS., Oboe
MUESCHKE, P., PH.D., English
MURCHIE, W. R., PH.D., Zoology
MUSCHENHEIM, W., M.ARCH., Architecture
MYERS, G. E., M.S., D.D.S., Dentistry
NACE, G. W., PH.D., Zoology
NEEL, J. V., PH.D., M.D., Human Genetics and Internal Medicine
NELSON, N. E., A.M., PH.D., English
NELSON, W. C., M.S.E., Aeronautical Engineering
NESBIT, R. M., A.B., M.D., Surgery
NESBITT, C. J., A.M., PH.D., F.S.A., Mathematics
NEWCOMB, T. M., PH.D., Sociology and Psychology
NIEHUSS, M. L., A.B., LL.B., Law
NIESS, R. J., PH.D., French
NOEHREN, R., MUS.D., Organ and Church Music
NORMAN, A. G., PH.D., D.SC., Botany
NORTHROP, P. M., D.D.S., Dentistry
NUNGESTER, W. J., M.S., SC.D., M.D., Bacteriology
ODIORNE, G. S., PH.D., Industrial Relations
OGDEN, H. V. S., PH.D., English
OLDS, J., PH.D., Psychology
OLSON, W. C., A.M., PH.D., Education and Psychology
ONCLEY, J. L., PH.D., Chemistry and Biological Chemistry
O'NEILL, J. C., PH.D., French
OPPENHEIM, S. C., A.M., J.D., S.J.D., Law
ORMONDROYD, J., A.B., Engineering Mechanics
OSBORN, R. K., PH.D., Nuclear Engineering
OSTRANDER, F. D., M.S., D.D.S., Dentistry
PALMER, G. E., J.D., LL.M., Law
PALMER, W. B., A.M., Economics
PAPER, H. H., PH.D., Near Eastern Languages and Linguistics
PARKINSON, W. C., PH.D., Physics
PARRAVANO, G., PH.D.(E.E.), PH.D.(CHEM.), Chemical and Metallurgical Engineering
PARRY, R. W., PH.D., Chemistry
PAULSEN, S. G., M.S.(ARCH.), Architecture
PEAK, HELEN, PH.D., Psychology
PEARCE, J. R., A.B., LL.B., Law
PEARSON, J. R., M.SC.M.E., Mechanical Engineering
PECKHAM, H. H., M.A., History
PEEK, G. A., Jr., PH.D., Political Science
PENZL, H., PH.D., German
PERKINS, B., PH.D., History
PETERSON, G. E., PH.D., Communications Sciences and Electrical Engineering
PETERSON, S., A.M., PH.D., Economics
PEYTON, F. A., D.SC., Dentistry
PHELPS, D. M., M.B.A., PH.D., Marketing
PHY, KATHRYN S., M.A., R.N., Nursing
PIERCE, W. J., J.D., Law
PIERPONT, W. K., M.B.A., PH.D., Accounting
PIKE, K. L., TH.B., PH.D., Linguistics
PILCHER, C. J., M.B.A., PH.D., Finance
PIRANIAN, G., PH.D., Mathematics
PLANT, M. L., M.A., J.D., Law
PLISKE, E. C., PH.D., Anatomy
POLASKY, A. N., C.P.A., J.D., Law
POLLARD, H. M., M.S., M.D., Internal Medicine
POLLOCK, J. K., A.M., PH.D., LL.D., Political Science
PORTER, R. C., M.S., M.E., Mechanical Engineering
PORTER, R. J., PH.D., Protozoology
PORTER, W. E., M.A., Journalism
PORTMAN, D. J., PH.D., Meteorology
POTT, C. K., PH.D., German
POTTS, P. O., M.S.E., Engineering Graphics
PRENDERGAST, J. D., B.F.A., Drawing and Painting
PRESTON, S. B., M.F., D.FOR., Wood Technology
PRICE, P., MUS.BAC., Campanology
PRINCE, HELEN D., PH.D., SC.D., Astronomy
PROFFITT, R. F., B.S.BUS.AD., J.D., LL.M., Law
PULGRAM, E., DR.PHIL., PH.D., Romance Languages and Classical Linguistics
RABINOVITZ, PATRICIA W., M.S.W., Social Work
RADOCK, M., M.S.J., Journalism
RAE, J. W., Jr., M.D., M.S., Physical Medicine and Rehabilitation
RAINVILLE, E. D., A.M., PH.D., Mathematics
RAMFJORD, S. P., L.D.S., PH.D., Dentistry
RANSOM, H. K., M.D., Surgery
RAPOPORT, A., PH.D., Mathematical Biology
RAUCH, L. L., PH.D., Instrumentation
READE, M. O., PH.D., Mathematics
REEBEL, KATHERINE R., M.S.S., Social Work
REED, J. W., LL.M., J.S.D., Law
REICHART, W. A., A.M., PH.D., German
REIDER, D. H., Design
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REISS, A. J., Jr., PH.D., Sociology
REVELLI, W. D., MUS.D., LL.D., Wind Instruments
REWOLDT, S. H., M.B.A., PH.D., Marketing
RICE, W. G., A.M., PH.D., English
RICHARDS, A. G., M.S., Dentistry
RICHART, F. E., Jr., PH.D., Civil Engineering
RIDENOUR, G. M., PH.D., Public Health Engineering
RIEGEL, J. W., A.M., PH.D., Industrial Relations
RILEY, G. M., PH.D., Obstetrics and Gynæcology
ROBINSON, W. D., A.B., M.D., Internal Medicine
ROEBER, E. C., PH.D., Education
ROOT, W. L., PH.D., Instrumentation
ROSEMAN, S., PH.D., Biological Chemistry
ROSS, G., Violin and Chamber Music
ROSSEELS, G. A., Violin and Chamber Music
ROTHE, E. H., PH.D., Mathematics
ROWE, J. E., PH.D., Electrical Engineering
ROWE, K. T., A.M., English
ROWE, T. D., PH.D., Pharmacy
RUGEN, MABEL E., PH.D., Health Education
RULFS, C. L., PH.D., Chemistry
RUSSELL, RHODA R., A.M., R.N., Nursing
RYDER, M. S., PH.B., LL.B., Industrial Relations
SANDERS, W. B., M.ARCH., Architecture
SANDOR, G., Diploma, Budapest, Piano
SATTLER, W. M., PH.D., Speech
SAVAGE, L. J., PH.D., Mathematics
SAWYER, C. H., B.A., Art and History of Art
SAWYER, R. A., PH.D., SC.D., LL.D., Physics
SCHLATTER, W. J., PH.D., C.P.A., Accounting
SCHMIDT, L. A., A.M., C.P.A., Accounting
SCHNEIDER, R. C., M.D., M.S., Surgery
SCHNEIDEWIND, R., PH.D., Metallurgical Engineering
SCHNITZER, R. C., A.B., Speech
SCHORGER, W. D., PH.D., Anthropology and Near Eastern Studies
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SCHULL, W. J., PH.D., Human Genetics and Anthropology
SCHULTZ, L. C., D.D.S., M.S., Dentistry
SCOTT, J. D., M.B.A., D.C.S., Advertising
SCOTT, N. R., PH.D., Electrical Engineering
SEAGER, A., M.A.(OXON.), English
SEEVERS, M. H., PH.D., M.D., Pharmacology
SENSEMAN, W. M., PH.D., English
SERVICE, E. R., PH.D., Anthropology
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SHELDON, J. McF., M.D., Internal Medicine
SHIGLEY, J. E., M.S., Mechanical Engineering
SHOHARA, H., PH.D., Japanese
SIEBERT, C. A., M.S.E., PH.D., Chemical and Metallurgical Engineering
SIEGEL, K. M., M.S., Electrical Engineering
SINAI, N., M.S., DR.P.H., Public Health
SINNOTT, M. J., SC.D., Metallurgical Engineering
SLAWSON, C. B., PH.D., Mineralogy
SLOAN, H. E., Jr., M.D., Surgery
SMITH, A. F., S.J.D., Law
SMITH, A. H., PH.D., Botany
SMITH, D. C., M.D., D.P.H., Maternal and Child Health
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SMITH, H. J., PH.D, Engineering Mechanics
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SOMMER, R. F., M.S., D.D.S., Dentistry
SPARROW, F. K., Jr., PH.D., Botany
SPIVEY, W. A., PH.D., Statistics
SPUHLER, J. N., PH.D., Anthropology and Human Genetics
SPURLIN, P. M., PH.D., French Literature
SPURR, S. H., PH.D., Forestry
STASHEFF, E., M.A., Speech
STASON, E. B., J.D., Law
STAUBACH, C. N., A.M., PH.D., Spanish
STEEN, Capt. K., U.S.N., B.S., Naval Science
STEIGERWALT, A. K., PH.D., Business History
STEIN, E., J.U.D., J.D., Law
STEINER, E. E., PH.D., Botany
STEINHEIMER, R. L., Jr., J.D., Law
STEVENS, A. K., PH.D., English and Teaching of English
STEVENSON, C. L., PH.D., Philosophy
STOCKARD, A. H., A.M., PH.D., Zoology
STOLPER, W. F., M.A., PH.D., Economics
STOUT, M. B., M.S., Electrical Engineering
STOWE, L., A.B., M.A.(HON.), LL.D.(HON.), Journalism
STREETER, V. L., SC.D., Hydraulics

STUART, L. C., PH.D., Zoology
STUBBINS, W. H., A.M., Band Instruments
STUMM, E. C., PH.D., Geology
SUITS, D. B., PH.D., Economics
SUPER, R. H., PH.D., English
SUSSMAN, A. S., PH.D., Botany
SWANSON, G. E., PH.D., Sociology
SWARTZ, W. H., D.D.S., M.S., Dentistry
SWEET, R. B., M.D., Anæsthesiology
SWEET, W. E., PH.D., Latin and Teaching of Latin
SWINYARD, A. W., M.B.A., PH.D., Business Administration

TAGGART, H. F., A.M., PH.D., C.P.A., Accounting
TAYLOR, W. R., M.S., PH.D., Botany
TEST, F. H., PH.D., Zoology
THOMASSEN, L., CH.E., PH.D., Chemical and Metallurgical Engineering
THRALL, R. McD., PH.D., Mathematics
THROOP, P. A., PH.D., History
THRUPP, SYLVIA L., PH.D., History
THUMA, B. D., M.S., PH.D., Psychology
TITIEV, M., A.M., PH.D., Anthropology
TORDOFF, H. B., PH.D., Zoology
TOWSLEY, H. A., M.D., Pædiatrics and Communicable Diseases
TROW, W. C., A.M., PH.D., Education and Psychology
TURNEAURE, F. S., A.M., PH.D., Geology

VAN DER SCHALIE, H., PH.D., Zoology
VAN VLACK, L. H., PH.D., Materials and Metallurgical Engineering
VAN WYLEN, G. J., SC.D., Mechanical Engineering
VAUGHN, W. R., PH.D., Chemistry
VELZ, C. J., C.E., M.S.P.H., Public Health Engineering
VEZZANI, A. A., A.M., Vocational Education and Practical Arts

WAGGONER, R. W., M.D., SC.D., Psychiatry
WAGMAN, F. H., PH.D., Library Science
WAGNER, W. H., Jr., PH.D., Botany
WALCOTT, F. G., D.ED., English, Education
WALKER, C. F., PH.D., Zoology
WALKER, E. L., PH.D., Psychology
WALTER, E. A., A.M., English
WARD, R. E., PH.D., Political Science
WARNER, R. A., PH.D., Music
WARREN, A., A.M., PH.D., English
WATERMAN, M. H., M.B.A., PH.D., Finance
WATSON, E. H., A.B., M.D., Pædiatrics and Communicable Diseases
WEAVER, R. L., PH.D., Conservation
WEDDIGE, E., M.DES., Design
WEGMAN, M. E., M.D., M.P.H., Public Health and Pædiatrics and Communicable Diseases
WEHMEYER, L. E., PH.D., Botany
WELLMAN, R. V., J.D., Law
WELLS, C. F., A.M., English
WENDEL, J. G., PH.D., Mathematics
WENRICH, R. C., M.S., Vocational Education and Practical Arts
WERNETTE, J. P., A.M., PH.D., Business Administration
WESTERBERG, MARTHA R., A.B., M.D., Neurology
WESTRUM, E. F., Jr., PH.D., Chemistry
WETHEY, H. E., PH.D., History of Art
WHIPPLE, G. H., PH.D., Radiological Health
WHITE, L. A., M.A., PH.D., Anthropology
WIEDENBECK, M. L., PH.D., Physics
WILDE, W. S., PH.D., Physiology
WILDER, R. L., PH.D., Mathematics
WILENSKY, H. L., PH.D., Sociology
WILLCOX, W. B., PH.D., History
WILLIAMS, B., PH.D., Chemical and Metallurgical Engineering
WILLIAMS, R. L., PH.D., Education
WILLIS, E. E., PH.D., Speech
WILLMARTH, W. W., PH.D., Aeronautical Engineering
WILSON, J. L., A.B., M.D., SC.D., Pædiatrics and Communicable Diseases
WILSON, J. T., PH.D., Geology
WILT, R., M.A., Art
WINGO, G. M., PH.D., Education
WINNER, T. G., PH.D., Slavic Languages and Literature
WITHEY, S. B., PH.D., Psychology
WOLF, E. R., PH.D., Anthropology
WOLFE, R. A., M.S., PH.D., Physics
WOODBURNE, R. T., PH.D., Anatomy
WOODING, E., B.S., Journalism
WORK, W. P., A.B., M.D., Otorhinolaryngology
WRIGHT, C. R., M.S., D.D.S., Dentistry
WRIGHT, L. H., LL.M., Law
WYATT, DOROTHEA E., PH.D., History
WYATT, F., PH.D., Psychology
YABLONKY, B., A.M., Journalism
YAMAGIWA, J. K., A.M., PH.D., Japanese
YIH, C.-S., PH.D., Engineering Mechanics
YORK, J. L., PH.D., Chemical and Metallurgical Engineering
YOUNG, E. H., M.S.E.(CHEM.ENG.), M.S.E.(MET.ENG.), Chemical and Metallurgical Engineering
YOUTIE, H. C., A.M., Papyrology
YOUTZ, P. N., M.A., Architecture
ZANDER, A. F., M.P.H., PH.D., Educational Psychology
ZARAFONETIS, C. D., M.S., M.D., Internal Medicine
ZEISLER, K. F., A.B., Journalism
ZWEIFEL, P. F., PH.D., Nuclear Engineering

WAYNE STATE UNIVERSITY

DETROIT, MICHIGAN 48202

Telephone: Area Code 313, 833-1400.
Telegraphic Address: FBV.

Oldest antecedent college founded 1868, University 1933.

President: WILLIAM R. KEAST, PH.D.
Vice-President for Business and Finance: O. E. THOMAS, A.M.
Vice-President for Academic Administration: WINFRED A. HARBISON, PH.D.
Vice-President for Medical School Development: G. H. SCOTT, PH.D.
Vice-President for Graduate Studies and Research: (Vacant).
Provost: A. NEEF, J.D.
Registrar: W. E. SLABY, M.ED.
Librarian: G. F. PURDY, PH.D.

Number of teachers: 1,249 full-time, 1,208 part-time, total 2,457.

Number of students: 14,486 men, 10,714 women, total 25,200.

DEANS:

Academic Administration: H. L. HAGMAN, PH.D.
Student Personnel: H. E. STEWART, PH.D.
College of Education: (Vacant).
College of Engineering: J. S. JOHNSON, PH.D.
College of Liberal Arts: M. STEARNS, PH.D.
College of Nursing: MARGARET L. SHETLAND, ED.D.
College of Pharmacy: M. BARR, PH.D.
Monteith College: W. O. ROSS, PH.D.
School of Social Work: S. DILLICK, PH.D.
School of Medicine: E. D. GARDNER, M.D.
Law School: A. NEEF, J.D.
School of Business Administration: (Vacant).
Division of Urban Extension: H. STILLWELL, ED.D.

WESTERN MICHIGAN UNIVERSITY

KALAMAZOO, MICHIGAN

President: JAMES W. MILLER.
Vice-Presidents: R. H. SEIBERT, L. D. FAUNCE.
Comptroller: R. B. WETRIGHT.
Registrar: C. J. MAUS.
Librarian: KATHERINE STOKES.

DEANS:

Business: A. E. SCHNEIDER.
Applied Arts and Sciences: G. E. KOHRMAN.
Liberal Arts and Sciences: G. OSBORN.
Education: J. H. GRIGGS.
Graduate: G. G. MALLINSON.
Summer Session: L. GERNANT.

MINNESOTA

AUGSBURG COLLEGE

707 21ST AVENUE SOUTH,
MINNEAPOLIS,
MINNESOTA 55404

Telephone: Area Code 612, 338-0501.

Founded 1869.

President: OSCAR A. ANDERSON, LL.D.
Registrar: Miss MILDRED JOEL.
Librarian: Rev. K. OZOLINS.

The library contains 60,000 volumes.
Number of teachers: 109.
Number of students: 1,605.

BEMIDJI STATE COLLEGE

BEMIDJI, MINNESOTA 56601

Telephone: Area Code 612, 751-2630.

Founded 1919.

President: HARRY F. BANGSBERG.
Registrar: J. MELBY (acting).
Librarian: D. DICKINSON.

The library contains 44,000 volumes.
Number of teachers: 174 full-time.
Number of students (1965): 2,881.

BETHEL COLLEGE AND SEMINARY

ST. PAUL, MINNESOTA

Founded 1871.

School of the Baptist General Conference.

Four year liberal arts co-educational Christian College and graduate Theological Seminary.

President: CARL H. LUNDQUIST, TH.D., D.D.
Dean of Seminary: G. G. JOHNSON, TH.D.
Dean of College: C. E. LARSON, PH.D.
Librarian: D. GUSTON, M.A.L.S.

The library contains 75,000 volumes.

Number of teachers: 51 full-time, 22 part-time.

Number of students: 555 men, 414 women.

Publications: *College Catalog, Theological Seminary Catalog, The Spire* (annual), *Bethel Seminary Quarterly, Faculty Journal, The Clarion* (bi-weekly), *Sketch*.

CARLETON COLLEGE
NORTHFIELD, MINNESOTA

Founded 1866 by Board of Trustees appointed by the Minnesota Conference of Congregational Churches; Independent.

President: JOHN W. NASON, M.A., LITT.D., L.H.D., LL.D.
Vice-President and Treasurer: F. I. WRIGHT, B.A.
Registrar: D. H. KLINEFELTER, M.A.
Librarian: J. H. RICHARDS, Jr., M.A.

The library contains 209,000 volumes.
Number of teachers: 115.
Number of students: 792 men, 540 women, total 1,332.

DEANS:

College: W. D. WEATHERFORD, M.A., PH.D.
Men: MERRILL E. JARCHOW, M.A., PH.D.
Women: JEAN PHILLIPS, M.A., M.A.(ED.).

COLLEGE OF SAINT BENEDICT
SAINT JOSEPH, MINNESOTA 56374
Telephone: Area Code 612, 363-7711.
Founded 1913.

President: Sister MARY GRELL, O.S.B.
Director of Admissions: Miss CONSTANCE ZIERDEN.
Librarian: Sister IMOGENE BLATZ, O.S.B.

The library contains 48,000 volumes.
Number of teachers: 58.
Number of students: 635.

COLLEGE OF ST. CATHERINE
2004 RANDOLPH AVENUE,
ST. PAUL, MINNESOTA 55116
Telephone: Area Code 612, 698-5571.
Founded 1905.

President: Sister FIDES HUBER.
Registrar: Sister PAUL.
Librarian: Sister MARIE INEZ.

The library contains 134,179 volumes.
Number of teachers: 152 (approx.).
Number of students: 1,445 (approx.).

COLLEGE OF SAINT TERESA
WINONA, MINNESOTA 55987
Telephone: 9302.
Founded 1907.

President: Sister M. CAMILLE BOWE.
Registrar: Sister M. AVILA SCHURB.
Librarian: Sister M. EONE KLING.

The library contains 75,000 volumes.
Number of teachers: 115.
Number of students: 1,130.

COLLEGE OF ST. THOMAS
2115 SUMMIT AVENUE,
ST. PAUL, MINNESOTA 55101
Telephone: 646-8881.
Founded 1885.

President: Most Rev. JAMES P. SHANNON.
Registrar: L. H. HAUER.
Librarian: Rev. C. EDDY.

The library contains 100,000 volumes.
Number of teachers: 120.
Number of students: 1,900.

CONCORDIA COLLEGE
MOORHEAD,
MINNESOTA 56560
Telephone: 233-6131.
Founded 1891.

President: Dr. JOSEPH L. KNUTSON.
Registrar: D. E. DALE.
Dean of Admissions: J. L. RENDAHL.
Librarian: Miss ANNA JORDAHL.

The library contains 90,000 volumes.
Number of teachers: 127.
Number of students: 2,050.

CONCORDIA COLLEGE
ST. PAUL, MINNESOTA 55104
Telephone: 646-6157.
Founded 1893.

President: Dr. W. A. POEHLER.
Dean of Admissions: Dr. W. KEHRBERG.
Librarian: MARGARET HORN.

The library contains 45,000 volumes.
Number of teachers: 44.
Number of students: 618.

GUSTAVUS ADOLPHUS COLLEGE
ST. PETER, MINNESOTA 56082
Telephone: Area Code 507, 931-4300.
Founded 1862.

President: EDGAR M. CARLSON, PH.D.
Registrar: O. HAGGLUND.
Librarian: Miss ODRUN PETERSON.

The library contains 95,000 volumes.
Number of teachers: 90 full-time, 13 part-time.
Number of students: 1,251.

HAMLINE UNIVERSITY
ST. PAUL 1, MINNESOTA
Founded 1854.
(Related to the Methodist Church).
Chartered 1854.

President: PAUL H. GIDDENS.
Business Manager: H. V. NEECE.
Registrar: C. R. WIMMER.
Director (Administration): D. G. TRAMPE.
Librarian: B. M. LEWIS.

The library contains 87,000 volumes.
Number of teachers: 86.
Number of students: 1,133.

DEANS:

University: C. R. WIMMER.
Men: D. MAKUEN.
Women: DEBORAH HOWLAND.

MACALESTER COLLEGE
ST. PAUL, MINNESOTA 55101
Telephone: 698-2414.
Founded 1874.

President: Dr. HARVEY M. RICE.
Registrar: Mrs. DOROTHY M. GRIMMELL.
Dean of Admissions: Dr. W. H. GRAMENZ.
Librarian: J. F. HOLLY.

The library contains 125,000 volumes.
Number of teachers: 106 full-time.
Number of students: 1,667.

MANKATO STATE COLLEGE
MANKATO, MINNESOTA
Telephone: 388-1601.
Founded 1867.

President: Dr. C. L. CRAWFORD.
Registrar: A. EEN.
Librarian: J. O'BAR.

The library contains 160,000 volumes.
Number of teachers: 510.
Number of students: 9,500.

MINNEAPOLIS SCHOOL OF ART
200 EAST 25TH STREET,
MINNEAPOLIS, MINNESOTA 55404
Telephone: 612—339-8905.
Founded 1886.

Director: ARNOLD HERSTAND.
Academic Dean: J. H. ROGERS.
Librarian: Mrs. KATHRYN BLACKWELL.

The library contains 21,000 volumes.
Number of teachers: 29.
Number of students: 300.

MOORHEAD STATE COLLEGE
1104 7TH AVENUE SOUTH,
MOORHEAD, MINNESOTA
Telephone: Area Code 218, 233-6171.
Founded 1887.

President: Dr. JOHN J. NEUMAIER.
Registrar: Dr. R. A. HANSON.
Librarian: B. I. GILL.

The library contains 65,000 volumes.
Number of teachers: 180.
Number of students: 2,816.

ST. CLOUD STATE COLLEGE
ST. CLOUD, MINNESOTA
Telephone: 251-4220.
Founded 1869.

President: (Vacant).
Registrar: B. MCDONALD.
Librarian: L. D. BROWN.

The library contains 120,000 volumes.
Number of teachers: 303.
Number of students: 5,500.

SAINT JOHN'S UNIVERSITY
COLLEGEVILLE, MINNESOTA
Telephone: 363-7761
(St. Joseph, Minnesota).
Founded 1857.

President: Rev. COLMAN BARRY, O.S.B.

Dean of Admissions: Rev. L. LeMay, O.S.B.

Librarian: Rev. B. Stein, O.S.B.

The library contains 145,000 volumes.
Number of teachers: 95.
Number of students: 1,265.

SAINT MARY'S COLLEGE

TERRACE HEIGHTS, WINONA, MINNESOTA

Telephone: 2807.

Founded 1912.

President: Bro. Josephus Gregory, F.S.C.

Registrar: Bro. J. Leo, F.S.C.

Dean of Admissions: Bro. J. Anthony, F.S.C.

Librarian: Bro. L. Azarias, F.S.C.

The library contains 63,840 volumes.
Number of teachers: 90.
Number of students: 1,000.

SAINT OLAF COLLEGE

NORTHFIELD, MINNESOTA

Founded 1874.

President: Dr. Sidney A. Rand.

Vice-Presidents: D. Johnson, S. L. Ness.

Librarian: F. Brown.

Number of teachers: 185.
Number of students: 1,117 men, 1,137 women, total 2,254.
Publications: *Bulletin, Alumnus.*

Deans:

Faculty: Dr. A. E. Finholt.

Men: M. Almli.

Women: Lavinia Anderson.

UNIVERSITY OF MINNESOTA

MINNEAPOLIS, MINNESOTA 55414

Telephone: 3732851.

Founded 1851.

President: O. Meredith Wilson, PH.D.

Vice-Presidents:

Academic Administration: W. G. Shepherd, PH.D.

Business Administration: L. R. Lunden, LL.D.

Vice-President for Educational Relationships and Development: S. J. Wenberg, M.A.

Comptroller: C. T. Johnson, B.B.A.

Director of Libraries: E. B. Stanford, M.A., PH.D.

Director of University Relations: W. L. Nunn, M.A.

Museum of Natural History: W. J. Breckenridge, M.A., PH.D. (Director).

Library: *see* Libraries.
Number of teachers: 3,800.
Number of college level students: 44,588.

Deans:

University College: F. M. Boddy, M.A., PH.D.

General College: H. T. Morse, M.A., PH.D.

Graduate School: B. L. Crawford, Jr., PH.D.

Institute of Agriculture: S. O. Berg, M.S., PH.D.

College of Veterinary Medicine: W. T. S. Thorp, D.V.M., M.S.

Medical Sciences: R. B. Howard, M.B., M.D., PH.D.

Law School: W. B. Lockhart, S.J.D.

School of Business Administration: P. V. Grambsch, M.A., D.B.A.

School of Dentistry: E. M. Schaffer, D.D.S., M.S.D.

Institute of Technology: A. F. Spilhaus, M.S. (AERO ENG.), D.SC.

College of Liberal Arts: E. W. Ziebarth, PH.D.

College of Education: R. J. Keller, B.ED., M.A., PH.D.

College of Pharmacy: G. P. Hager, M.S., PH.D.

Students: E. G. Williamson, PH.D.

University Health Service: D. W. Cowan, M.S., M.D.

Admissions and Records: R. E. Summers, M.S., M.E.

General Extension Division: W. L. Thompson, PH.D.

Summer Session: W. L. Thompson, PH.D.

Duluth Campus: R. W. Darland, M.S., PH.D.

Morris Campus: R. A. Briggs, PH.D.

Professors:

N.B. * *indicates Mayo Graduate School of Medicine.* † *indicates Duluth Campus.* ‡ *indicates Morris Campus.*

Abbe, E. C., M.S., M.A., PH.D., Botany
Abraham, R. H., M.P.A., Agricultural Extension
Ackerman, E., M.S., PH.D., Biophysics
*Albert, A., M.D., PH.D., Physiology
Allen, H. B., PH.D., English
Allen, H. E., M.A., PH.D., Students' Religious Activities
Allred, E. R., M.S., Agricultural Engineering
†Alspach, A. M., M.A., PH.D., Music
Amberg, G., PH.D., Interdisciplinary Studies in General Education
Ames, R. J., M.S., PH.D., Humanities Programme
Amundson, N. R., M.S. CHEM. ENG., PH.D., Chemical Engineering
Andersen, P., M.S., PH.D., Civil Engineering
Anderson, A. G., PH.D., Civil Engineering—Hydraulics
Anderson, G. W., M.D., DR.P.H., Public Health
Anderson, J. A., B.S., M.D., PH.D., Pædiatrics
Anderson, J. T., M.S., PH.D., Physiological Hygiene
Anderson, R. K., D.V.M., M.P.H., Veterinary Medicine
Anderson, R. W., B.S., M.B., M.D., Psychiatry
Anderson, W. J., M.A., PH.D., Home and Family Living
Aris, R., B.S., Chemical Engineering
Armstrong, W. D., M.S., M.D., PH.D., Physiological Chemistry
Arnold, J. P., D.V.M., M.S., PH.D., Veterinary Surgery and Radiology
Aronson, D. G., M.S., PH.D., School of Mathematics
Auerbach, C. A., LL.B., Law
*Baggenstoss, A. H., M.S., Pathological Anatomy
Baker, A. B., M.D., PH.D., Neurology
Baker, Annie L., M.A., Social Service
*Baldes, E. J., M.A., PH.D., Experimental Biophysics
Ballet, A., M.A., PH.D., Speech and Theatre Arts
Bates, D. W., M.S., Extension Agricultural Engineer
*Beahrs, O. H., M.D., M.S., Surgery
Bearman, J. E., M.A., PH.D., Public Health
Beatty, W. D., PH.D., History
Beck, R. H., PH.D., Education
Behrens, R., PH.D., Agronomy and Plant Genetics
†Belthuis, Lyda C., M.A., PH.D., Geography
Benson, E. S., M.D., Physiological Chemistry
Berdie, R. F., M.A., PH.D., Psychology
Berg, S. O., M.S., PH.D., Agricultural Economics
Berger, F. E., B.A., Center Continuation Study
Berninghausen, D. K., B.L.S., M.A., Library School
Berryman, J., B.A., Humanities
Berryman, R. G., PH.D., Accounting
*Bickel, W. H., M.D., M.S., Surgery
*Bickford, R. G., M.B., Physiology
Bieter, R. N., M.D., M.S., PH.D., Pharmacology
Birkmater, Emma, M.A., PH.D., University High School—German
Bitsianes, G., B.CHEM.ENG., Mines and Metallurgy
*Black, B. M., M.D., M.S., Surgery
Blackshear, P. L., M.S., PH.D., Mechanical Engineering
Blair, J. M., PH.D., Physics
Blake, G. R., PH.D., Soils
Boddy, F. M., M.A., PH.D., Business Administration
Boeck, C. H., M.A., PH.D., Science—University High School
Boies, L. R., M.A., M.D., Otolaryngology
Bond, G. L., M.A., PH.D., Education
Bond, R. G., M.S., M.P.H., Public Health Engineering
Borak, A. M., M.A., PH.D., Economics
Borchert, J. R., M.A., PH.D., Geography
Bormann, E. G., M.A., PH.D., Speech and Theatre Arts
Borow, H., M.S., PH.D., Psychological Studies
Bowers, C. E., M.S.C.E., Civil Engineering
Bowron, B., M.A, PH.D., English
†Boyd, D. A., Jr., M.D., M.S., Psychiatry
Boyd, L. L., M.S., PH.D., Agricultural Engineering
Bradley, S. G., B.S., M.S., PH.D., Microbiology
Brand, K. G., M.D., Microbiology
Brasted, R. C., M.A., PH.D., Inorganic Chemistry
Braum, B. K., D.D.S., Dentistry
Breckenridge, W. J., M.A., PH.D., Museum of Natural History
Briggs, D. R., M.A., PH.D., Agricultural Biochemistry
‡Briggs, R. A., PH.D., Agronomy
Britton, J. D., PH.D., Inorganic Chemistry
Brodbeck, May, M.A., PH.D., Philosophy
Broek, J. O. M., PH.D., Geography
Brook A. J., PH.D., D.SC., Botany
Brown, B. W., M.A., PH.D., School of Public Health
Brown, J. I., M.A., PH.D., Rhetoric
Brown, J. R., B.A., M.D., M.S., Neurology
Brown, Marjorie M., ED.D., Home Economics Education
Brown, W. F., PH.D., Electrical Engineering
Brownlee, O. H., M.S., PH.D., Business Administration

Bruckenstein, S., ph.d., Analytical Chemistry
Buckley, J. J., a.b., m.d., m.s., Anæsthesiology
Buehler, R. J., m.s., ph.d., Statistics
†Burchell, H. B., m.d., ph.d., Medicine
Burk, Marguerite C., m.a., ph.d., Agricultural Economics
Burke, S. M., m.a., International Relations
Burnham, C. R., m.s., ph.d., Agronomy and Plant Genetics
Burson, P. M., m.s., Soils
*Butt, H. R., m.d., m.s., Medicine
Buttrick, J. A., m.a., ph.d., Economics

Cafruny, E. J., ph.d., m.d., Pharmacology
*Cain, J. C., b.a., m.d., m.s., Medicine
Caldwell, A. C., m.s., ph.d., Soils
Cameron, R. H., m.a., ph.d., Mathematics
Campbell, O. J., m.d., ph.d., f.a.c.s., Surgery
Carpenter, Anna-Mary, m.s., ph.d., Anatomy
*Carr, D. T., m.d., m.s., Medicine
*Cashman, P. H., m.a., ph.d., Rhetoric
Carter, R. E., Jr., m.a., ph.d., Journalism
Caverley, L. C., m.s. in e.e., Electrical Engineering
Ceaglske, N. H., m.s., ph.d., Chemical Engineering
Cerny, R. G., m.arch, Architecture
Chaing, H.-C., m.s., ph.d., Entomology
Challman, S. A., m.d., Psychiatry and Neurology
†Chamberlin, T. W., m.a., ph.d., Geography
Chang, C.-C., m.s., ph.d., Aeronautical Engineering
Charnley, M. V., m.a., Journalism
Chase, H. W., b.a., m.a., ph.d., Political Science
Chipault, J. R., m.s., ph.d., Physiological Chemistry
Chipman, J. S., m.a., ph.d., Economics
Christensen, C. M., m.s., ph.d., Plant Pathology and Botany
Christie, G. C., s.j.d., Law
*Clagett, O. T., m.d., m.s., Surgery
Clark, H. B., Jr., m.d., d.d.s., Dentistry
Clark, J. W., m.a., ph.d., English
Clendenen, R. J., m.s.w., Interdisciplinary Training for Control and Prevention of Juvenile Delinquency
Close, W. A., m.arch., Architecture
Clymer, T. W., m.a., ph.d., Elementary Education
Cochrane, W. W., m.s., m.p.a., ph.d., Agricultural Economics
*Code, C. F., b.sc., m.d., ph.d., Experimental Medicine
Cohen, M., m.d., ph.d., Neurology
Cole, C. L., m.s., ph.d., Dairy Husbandry
Collier, R. O., ph.d., Educational Psychology
Comstock, R. E., m.s., ph.d., Animal Husbandry
*Cook, E. N., m.d., m.s., Urology
Cook, E. F., m.a., ph.d., Entomology, Fisheries and Wildlife
Cooke, S. R. B., m.s., ph.d., Mines and Metallurgy
Cooperman, D., m.a., ph.d., Social Science Programme
*Corbin, K. B., m.d., Neuroanatomy
Coulter, S. T., m.s., ph.d., Dairy Industries
Cound, J. J., ll.b., Law
*Coventry, M. B., m.d., m.s., Orthopædic Surgery
Cowan, D. W., b.s., m.s., m.d., Public Health
Cragun, M. K., b.a., Center for Continuation Study
Crawford, B. L., Jr., a.m., ph.d., Physical Chemistry
†Crawford, D. A., b.a., m.a., ph.d., Secondary Education
Creevy, C. D., m.s.(surg.), m.d., ph.d., Urology
*Culp, O. S., m.d., Urology
Currence, T. M., m.s., ph.d., Horticulture
Curtin, J. R., m.a., ph.d., Elementary Education
Cutkomp, L. K., ph.d., Entomology and Economic Zoology

Dahl, A. O., m.s., ph.d., Botany
Dahl, R. P., m.s., ph.d., Agricultural Economics
Dahler, J. S., m.s., ph.d., Chemical Engineering
D'Angio, G. J., b.a., m.d., Radiology
†Darland, R. W., m.s., ph.d., Biology
Darley, J. G., m.a., ph.d., Psychology
†Davidson, E., m.a., ph.d., Political Science
Davison, Suzanne, m.a., ph.d., Home Economics
Dawis, Rene V., m.a., ph.d., Industrial Relations
Dawson, J. R., Jr., m.d., Pathology
*Dearing, W. H., m.a., m.d., ph.d., Medicine
DeSilva, C. N., m.s., ph.d., Aeronautics and Engineering Mechanics
†Dettmann, J. A., m.s., Social Science
Deutsch, H. C., m.a., ph.d., History
DeWitt, N. J., m.a., ph.d., Classics
Di Gangi, F. E., m.s., ph.d., Pharmacy
*Dockerty, M. B., m.d.c.m., m.s., Pathology
Dodson, R. M., ph.d., Organic Chemistry
Domian, O. E., m.a., ph.d., Education
Donker, J. D., ph.d., Dairy Husbandry
Donnelly, R. J., m.a., ph.d., Physical Education and Athletics
Donohue, G. A., a.b., Rural Sociology
Downs, A., m.a., Art
Drake, F. E., m.a., ph.d., Rhetoric
Dugan, W. E., m.a., ph.d., General Education
Duncan, D. P., m.s., ph.d., Forestry
*Duncan, J. E., m.a., ph.d., English
Dunnette, M. D., ph.d., Psychology
*DuShane, J. W., b.a., m.d., Pædiatrics

Eckert, E. R. G., dr.ing., Mechanical Engineering
Eckert, Ruth E., m.a., ed.d., General Education
Eddy, S., a.m., ph.d., Zoology
Edson, W. H., m.a., ph.d., Education—Student Personnel
Edwards, C., m.a., ph.d., Physiology
*Edwards, J. E., m.d., Pathologic Anatomy
Edwards, Marcia, m.a., ph.d., d.s. (educ.), Education
†Ehlers, H. J., m.a., ph.d., English Philosophy
Ehrenkranz, Florence A., m.a., ph.d., Home Economics
Eide, C. J., m.s., ph.d., Plant Pathology and Botany
*Elkins, E. C., m.d., Physical Medicine and Rehabilitation
*Ellis, F. H., Jr., b.a., m.d., ph.d., Surgery
Emery, W. E., Jr., ph.d., Journalism
*Emmett, J. L., m.d., m.s., Urology
Engene, S. A., ph.d., Agricultural Economics
England, G. W., m.a., ph.d., Industrial Relations
Enker, A. N., ll.b., Law
Esteros, Gertrude, m.a., Home Economics
Evans, G. T., m.s., ph.d., Medicine

Fairhurst, C., ph.d., School of Mineral and Metallurgical Engineering
*Faulconer, A., Jr., b.s., m.d., m.s., Anæsthesiology
Feigl, H., ph.d., Philosophy
Felknor, Angeline M., b.s., Dietetics
Fenton, Eleanor S., m.a., Counselling Extension Division
Fenton, S. W., m.s., ph.d., Chemistry
*Ferris, D. O., m.d., m.s., Clinical Surgery
Fetler, P., b.music, ph.d., Music
Fienup, D. F., m.s., ph.d., Agricultural Economics
Flavell, J. H., m.a., ph.d., Child Development
Fleischer, H. R., ph.d., Music
*Fleisher, G. A., ph.d., Biochemistry
Fletcher, E. A., ph.d., Mechanical Engineering
Flikke, A. M., m.s., Agricultural Engineering
*Flock, Eunice, m.s., ph.d., Physiological Chemistry
Forbes, F. W., m.s., Agricultural Extension
Ford, Roxana R., m.s., ph.d., Home Economics Education
Foster, C. H., ph.d., English
*Fowler, W. S., m.d., Physiology
Francel, E. W., m.a., ph.d., Sch. Social Work
Francis, R. G., m.a., ph.d., Sociology
Frantz, I. D., Jr., a.b., m.d., Medicine
Freier, G., ph.d., Physics
French, D. W., m.s., ph.d., Plant Pathology and Physiology
French, L. A., m.d., m.s., ph.d., Surgery
Frenkel, A. W., ph.d., Botany
Fritz, Edna L., m.a., ed.d., Nursing
Fulton, A. M., ph.m., Speech
Furstenberg, H., m.s., ph.d., Mathematics

Gal, S. A., ph.d., Mathematics
*Gambill, E. E., m.d., m.s., Medicine
Garmers, H. A., d.d.s., Dentistry
Gasiorowicz, S. G., m.a., ph.d., Physics
Gates, C. E., m.s., ph.d., Agricultural Experimental Station
Gaumnitz, R. K., m.a., ph.d., Business Administration
Gayne, C. A., m.a., ph.d., Art Education
Gerald, J. E., Jr., m.a., ph.d., Journalism
Gerlach, L. P., ph.d., Anthropology
Gilman, Gertrude M., b.a., Hospital Administration
Gisvold, O., m.s., ph.d., Pharmacy
Glaskowsky, N. A., m.b.a., ph.d., School of Business Administration
†Glick, W. P., m.s., m.a., ph.d., English
Goldstein, R. J., m.s., ph.d., Mechanical Engineering
Good, A. L., d.v.m., m.s., ph.d., Veterinary Physiology and Pharmacology
Good, R. A., m.d., ph.d., Pædiatrics
Goodman, L. E., m.s., ph.d., Mechanics and Materials
Goossen, C. V., m.a., ph.d., Elementary Education
Gorlin, R. J., d.d.s., m.s., Oral Pathology in Dentistry
Graf, D. L., m.a., ph.d., Geology and Geophysics
Graham, E. F., m.s., Dairy Husbandry
Graham, K. L., m.a., ph.d., Speech, Theatre
Grambsch, P. V., m.a., d.b.a., Business Administration
Grande, F., m.d., Physiological Hygiene
Grant, R. S., m.s., Agriculture
Graubard, M., m.a., ph.d., Natural Science
Graven, D. L., ll.b., Law
Gray, J. C., m.b.a., ph.d., Accounting
Green, L. W., m.a., ph.d., Mathematics
Greene, B. H., j.u.d., Law
*Greene, L. F., m.d., ph.d., Urology
Greenless, G. W., m.a., ph.d., Physics
Griffiths, H. J., m.sc., ph.d., d.v.m., Veterinary Pathology and Parasitology

GRIM, E. D., PH.D., Physiology
GROUT, RUTH E., M.P.H., PH.D., Public Health and Education
GUGGENHEIMER, H., D.SC., Mathematics
GUSTAFSON, A., PH.D., Scandinavian Languages
GUTMANN, H. R., M.D., Biochemistry

HADLEY, W. J., M.S., PH.D., Pharmacy
HAGE, G. S., M.A., PH.D., School of Journalism
HAGENAH, THEDA, M.S., PH.D., Educational Psychology
HAGER, G. P., M.S., PH.D., Pharmacy
HAISLET, E. L. N., M.A., ED.D., Director Alumni Relations
HALBERG, F., M.D., Cancer Biology
HALL, A. B., D.D.S., Dentistry
HALL, J. W., PH.D., Botany
*HALLENBECK, G. A., B.S., M.D., PH.D., Surgery
HAMERMESH, M., PH.D., School of Physics and Astronomy
HAMILTON, J. A., M.C.S., Hospital Administration
HAMMOND, P. B., D.V.M., Veterinary Physiology and Pharmacology
HANCOCK, R. S., M.S., PH.D., Business Administration
HANSEN, F. L., M.A., Correspondence Study
HANSEN, H. L., PH.D., Forestry
†HANSEN, H. G., PH.D., Physics
HARKNESS, L. L., M. PUBLIC ADMIN., Agricultural Extension
HANSON, L. E., M.S.A., PH.D., Animal Husbandry
*HARGRAVES, M. M., B.A., M.D., Medicine
HARPER, D. V., PH.D., Business Management
HARRIS, J. E., PH.D., M.D., Ophthalmology
HART, HELEN, M.A., PH.D., Plant Pathology and Botany
HARTNETT, J. P., M.S., PH.D., Mechanical Engineering
HARTUP, W. W., M.S., D.ED., Child Development
HASTIE, W. R., M.A., PH.D., Art Education
HASTINGS, D. C., M.S., Business Administration
HASTINGS, D. W., Psychiatry and Neurology
HATHAWAY, S. R., M.A., PH.D., Clinical Psychology
HAYDAK, M. H., PH.D., Entomology, Fisheries and Wildlife
HEBBEL, R., M.D., M.S., PH.D., Pathology
HEINRICH, H. G., DR.ING., Aeronautical Engineering
HEISTAD, G. T., M.A., PH.D., Clinical Psychology
†HELLER, R. L., M.A., PH.D., Geology
HELLER, W. W., M.A., PH.D., Business Administration
HENDERSON, J. M., PH.D., Economics
*HENDERSON, J. W., M.A., M.D., M.S., Ophthalmology
HENDERSON, L. M., M.S., PH.D., Biochemistry
HENEMAN, H. G., M.A., PH.D., Industrial Relations Centre
HENRIKSON, E. H., M.A., PH.D., Speech
HESS, CARROLL V., M.S., PH.D., Agricultural Economics
HETLAND, J. L., Jr., LL.B., Law
HEWER, V. H., M.S., PH.D., Psychology
HIGBEE, J. M., D.V.M., Veterinary Medicine
HILDRETH, C. G., M.S., PH.D., Agricultural Economics
HILL, E. L., PH.D., Physics
HILL, R. L., PH.M., PH.D., Sociology
HINCKLEY, R. G., M.D., Mental Hygiene
HINTZ, N. M., M.A., PH.D., Physics
*HODGSON, C. H., B.S., M.D., M.S., Medicine
HODSON, A. C., M.A., PH.D., Entomology and Economic Zoology
HOEBEL, E. A., M.A., PH.D., Anthropology
HOFFMANN, T. R., M.S., PH.D., Business Administration
†HOFSLUND, P. B., M.S., PH.D., Biology
HOGG, J. F., LL.M., Law
HOLLAND, M. R., D.D.S., M.S.D., Dentistry
*HOLLENHORST, R. W., M.D., M.S., Ophthalmology
*HOLLINSHEAD, W. H., M.S., PH.D., Anatomy
HOLLOWAY, R. J., M.B.A., PH.D., Business Administration
HOLMAN, R. T., M.S., PH.D., Physiological Chemistry
HOLT, R. T., M.P.A., Political Science
HOLTE, N. O., D.D.S., M.S., Dentistry
HOOKER, C. P., M.S., ED.D., Educational Administration
HOPP, R. H., M.S., PH.D., Library
HORN, FERN M., M.S., ED.D., Home Economics Education
HORNBERGER, T., M.A., PH.D., English
HOSSFELD, R. L., PH.D., Forestry
†HOUSE, R. W., M.M., Music
HOVDE, RUTH, B.S., M.S., Medical Technology
HOWARD, R. B., M.B., M.D., PH.D., Medicine
HOWELL, W. S., M.A., PH.D., Speech and Theatre Arts
HOYT, C. J., PH.D., Educational Psychology
HOYT, H. H., D.V.M., Veterinary Medicine
HOYT, R. S., M.A., PH.D., History
HUEG, W. F., M.S., PH.D., Agronomy-Agricultural Extension
HUGUS, Z. Z., PH.D., Chemistry
HUMPHREY, E. W., M.D., Surgery
*HUNT, A. B., M.D., M.S., Obstetrics and Gynæcology
HURRELL, J. D., PH.D., English
HURWICZ, L., LL.M., Economics and Mathematics
HUSTRULID, A., PH.D., Agricultural Engineering

IBELE, W. E., M.S., PH.D., Mechanical Engineering
ISBIN, H. S., M.S., SC.D., Chemical Engineering

*JACKMAN, R. J., M.D., M.S., Proctology
JACO, E. G., M.A., PH.D., Hospital Administration
JACOBS, R. E., M.S., Agricultural Extension—Animal Husbandry
JAEGER, ELOISE, PH.D., Physical Education for Women
JENKINS, J. J., M.A., PH.D., Psychology
JENNESS, R., M.S., PH.D., Agricultural Biochemistry
JENSEN, H. R., M.S., PH.D., Agricultural Economics
JENSEN, J. R., M.S., D.D.D., Dentistry
JENSEN, R. A., M.D., Child Psychiatry
JEZESKI, J. J., M.S., PH.D., Dairy Industries
JOHNSON, A. L., PH.D., Sociology
JOHNSON, D. A., M.A., PH.D., University High School,—Mathematics
JOHNSON, E. L., M.S., PH.D., Poultry Husbandry
†JOHNSON, H. C., M.A., PH.D., Education
JOHNSON, H. G., PH.D., Plant Pathology
JOHNSON, H. W., M.S., PH.D., Agronomy and Plant Genetics
JOHNSON, J. A., PH.D., M.D., Physiology
JOHNSON, O. H., M.S., PH.D., Inorganic Chemistry
*JOHNSON, V., M.D., PH.D., Physiology
JONES, R. L., M.A., PH.D., Journalism
JONES, T. B., M.A., PH.D., History
JONSSON, B., PH.D., Mathematics
JORDAN, P. D., M.S., PH.D., History
JORDAN, R. C., M.S., PH.D., Mechanical Engineering
JORDAN, R. M., M.S., PH.D., Animal Husbandry
JORGENS, J., M.D., M.S., PH.D., Radiology
JULIAN, FLORENCE, M.A., Nursing

KALLIANPUR, G., M.A., PH.D., Statistics
KAREKEN, J. H., PH.D., Economics
*KARLSON, A. G., D.V.M., PH.D., Comparative Pathology
KAUFERT, F. H., M.S., PH.D., Forestry
*KEATING, F. R., M.D., M.S., Medicine
KEGLER, S. B., M.A., PH.D., Language Arts—University High School
KELLER, R. J., M.A., PH.D., Education
KELLOGG, P. J., PH.D., Physics
KERNKAMP, M. F., M.S., PH.D., Plant Pathology and Botany
KERSTEN, M. S., M.S.C.E., PH.D., Civil Engineering
KEYS, A., M.A., PH.D., Physiological Hygiene
KIDNEIGH, J. C., M.A., Social Work
KING, T. H., M.S., PH.D., Plant Pathology and Botany
KINGSLEY, G. G., ED.D., Counselling—General College
KINYON, S. V., LL.B., Law
KIRKWOOD, S., PH.D., Agricultural Biochemistry
KITTS, H. W., M.S., PH.D., Agricultural Education
KNAPP, M. E., M.S., M.D., Physical Medicine
KOEHLER, F., M.A., PH.D., Mathematics
KOELSCH, C. F., PH.D., Organic Chemistry
KOLLER, E. F., M.A., PH.D., Agricultural Economics
KOMMEDAHL, T., M.S., PH.D., Plant Pathology and Physiology
KONOPKA, GISELA L., M.S., Social Work
KOTTKE, F. J., M.S., PH.D., Physical Medicine
KOZELKA, R. L., M.A., PH.D., LL.D., Business Administration
KREEVOY, M. M., PH.D., Chemistry
KRIVIT, W., M.D., PH.D., Pædiatrics
†KROGSTAD, B. O., M.A., PH.D., Biology
KUBICEK, W. G., B.S., Physical Medicine
*KVALE, W. F., M.D., M.S., Medicine
KWIAT, J., PH.D., Humanities

LABERGE, D. L., PH.D., Psychology
*LAMBERT, E. H., M.D., PH.D., Physiology
LAMBERT, JEAN W., M.S., PH.D., Agronomy and Plant Genetics
LAMBERT, R. F., M.S., PH.D., Electrical Engineering
†LARSEN, A. J., M.A., PH.D., History
LARSON, C. L., M.S., Agricultural Engineering
LASSMAN, F. M., PH.D., Audiology and Speech
LAWVER, J. E., MET.E., D.SC., Metallurgical Engineering
LAWRENCE, D. B., PH.D., Botany
*LAYMON, C. W., M.D., PH.D., Dermatology
LAZAN, B. J., M.S., PH.D., Aero Engineering
LAZAROW, A., M.D., PH.D., Anatomy
LEARN, E. W., PH.D., Agricultural Economics
LEETE, E., PH.D., Organic Chemistry
LERNER, J., M.D., M.S., PH.D., Biochemistry—Medical
LEVEN, N. L., M.D., M.S., PH.D., Surgery
LEVENSON, J. C., PH.D., English
LEVY, R. J., LL.B., Law
LEWIS, E. H., M.B.A., PH.D., Business Administration
LEWIS, T. P., S.J.D., Law
LIEBLING, J., Art
LIENER, I. E., PH.D., Agricultural Biochemistry
LIFSON, N., M.D., PH.D., Physiology
LILLEHEI, C. W., M.D., PH.D., Surgery
LILLEHEI, R., B.A., B.S., B.M., M.D., PH.D General Surgery
LINCK, A. J., M.S., PH.D., Plant Pathology and Botany
LINDORFER, R. K., PH.D., Veterinary Bacteriology
†LINDQUIST, MAUDE L., M.A., PH.D., History
LIPPINCOTT, B. E., PH.D., Political Science

*Lipscombe, P. R., B.S., M.D., M.S., Orthopædic Surgery
†Livingston, E., Ph.D., History
Livingston, R. S., M.S., Ph.D., Physical Chemistry
Lockhart, W. B., A.M., LL.B., S.J.D., Law
Loehr, R. C., M.A., Ph.D., History
Lofgren, J. A., M.A, Extension Entomologist
Lofquist, L. H., M.A., Ph.D., Psychology
*Logan, G. B., M.D., M.S., Pædiatrics
Longstaff, H. P., M.A., Ph.D., Psychology
Lorber, V., M.D., Ph.D., Physiology
Loud, W. S., Ph.D., Mathematics
*Love, J. G., M.D., M.S., Neurosurgery
Low, D. G., D.V.M., Ph.D., Veterinary Medicine
Lowry, T., M.D., Medicine
Lumry, R. W., M.S., Ph.D., Physical Chemistry
Lund, C. E., M.S., Mechanical Engineering
Lundberg, W. O., Ph.D., Agricultural Biochemistry
Luyten, W. J., M.A., Ph.D., Astronomy
Lynch, F. W., M.D., M.S., Dermatology

*McCarty, C. S., B.A., M.D., M.S., Neurosurgery
McClure, R. C., LL.B., Law
McCoid, A. H., LL.B., Law
MacCorquodale, K., M.A., Ph.D., Psychology
McCune, G. H., M.A., Ph.D., Social Studies
McDiarmid, E. W., M.A., Ph.D., Library Instruction
McDonald, W. A., M.A., Ph.D., Classics
McElrath, G. W., M.S., Mechanical Engineering
†McEwen, W. R., M.A., Ph.D., Mathematics
McFarland, K. N., M.A., Ph.D., Agriculture Education
MacGregor, J. M., M.S., Ph.D., Soils
McHugh, R. B., B.A., M.A., Ph.D., Public Health
McKay, G. R., M.S., Visual Education
McKelvey, J. L., M.D.C.M., Obstetrics and Gynæcology
McLaughlin, C. H., M.A., LL.B., Political Science
†MacLear, J. F., M.A., Ph.D., Social Studies
*Magath, T. B., Ph.D., M.D., Pathology
†Maher, F. T., M.S., Ph.D., M.D., Pharmacology
Mahoney, T., M.A., Ph.D., Industrial Relations
Malcolm, Mary, M.A., Music
Mannering, G. J., M.S., Ph.D., Pharmacology
Manson, P. W., M.S., Agricultural Engineering
Mantis, H. T., Ph.D., Physics
Markus, L., M.S., Ph.D., Mathematics
Marrazzi, A. S., M.D., Pharmacology
Marshall, W. H., M.F., Ph.D., Entomology and Economic Zoology
Martin, W. P., M.S., Ph.D., Soils
Martindale, D., M.A., Ph.D., Sociology
Martinez, C., M.D., Physiology
†Mason, H. L., M.A., Ph.D., Physiological Biochemistry
Matalamäki, W., Ph.D., North Central Experimental Station (Grand Rapids, Minn.)
Mather, E. C., M.A., Ph.D., Geography
Mather, G. W., D.V.M., Ph.D., Veterinary Medicine
Mather, R. B., Ph.D., Slavic and Oriental Languages
*Mattox, V. R., M.S., Ph.D., Biochemistry
Maxwell, G. E., M.S., Ph.D., Minnesota Centre for Philosophy of Science
Meade, R. J., M.S., Ph.D., Animal Husbandry
Meecham, W. C., M.S., Ph.D., Aeronautical Engineering
Meehan, E. J., Ph.D., Analytical Chemistry
Meehl, P. E., Ph.D., Psychology
Menze, E. F., M.A., Ph.D., German
Merrell, D. J., M.A., Ph.D., Zoology
Merwin, J., Ed.D., Educational Psychology
Meyer, M. P., M.F., Ph.D., Forestry
†Meyers, C. H., M.A., Ph.D., Social Science
Micheels, W. J., M.A., Ph.D., Trade and Industrial Education
†Miller, R. D., M.A., M.F.A., Ph.D., Humanities
*Millikan, C. H., M.D., Neurology
Moe, J. H., M.D., Orthopædic Surgery
*Moersch, H. J., M.D., M.S., Medicine
Monachesi, E. D., M.A., Ph.D., Sociology
Monk, S. H., M.A., Ph.D., English
Montgomery, F., M.A., Ph.D., English
Mooney, H. M., M.S., Ph.D., Geology and Geophysics
†Moore, F. B., Ph.D., Chemistry
Moore, R. E., Ph.D., English
Mork, G., Ph.D., Educational Psychology
Morley, T., Ph.D., Botany
*Morlock, C. G., M.D., M.S., Clinical Medicine
Morris, C. R., LL.B., Law
Morris, H. A., M.S., Ph.D., Dairy Industries
Morse, H. T., M.A., Ph.D., General College
Morse, Laura M., M.A., Ph.D., Home Economics
Morstad, A. T., D.D.S., M.S., Dentistry
Moscowitz, A. J., M.A., Pg.D., Physical Chemistry
*Mulder, D. W., A.B., M.D., M.S., Neurology
Munro, W. D., M.A., Ph.D., School of Mathematics
Murphy, Marion I., M.P.H., Nursing
Muschel, L. H., M.A., M.S., Ph.D., Microbiology
Myers, J. S., B.Arch., Architecture
Myers, M. M., M.A., M.F.A., Arts
†Nelson, G. C., M.F.A., Art
Nelson, H. F., M.A., Ed.D., Trade and Industrial Education
Neter, J., M.B.A., Ph.D., Business Administration
Netz, C. V., M.S., Ph.D., Pharmacy
Neubeck, G., M.A., Ph.D., Student Counselling
Ney, E. P., Ph.D., Physics
†Nichol, J. C., M.S., Ph.D., Chemistry
*Nichols, D. R., M.D., M.S., Medicine
Nichols, R. G., M.A., Ph.D., Rhetoric
Nicholson, M. E., Sc.B., Metallurgy
Nier, A. O. C., M.S.E.E., Ph.D., Physics
Nightingale, E. A., M.A., Ph.D., Business Administration
Nissen, Elizabeth, M.A., Ph.D., Romance Languages
Nitsche, J. C, C., Ph.D., Mathematics
Nixon, R. B., M.A., Ph.D., Journalism
Noble, D. W., M.A., Ph.D., History
Noble, Isabel T., M.S., Ph.D., Home Economics
Nodland, T., Ph.D., Agricultural Economics
Noland, W. E., Ph.D., Chemistry
Noran, H. H., M.D., Ph.D., Psychiatry and Neurology
Nylund, R. E., M.S., Ph.D., Horticulture
Oberg, P. M., M.A., Ph.D., Music
O'Brien, G. W., M.A., Ph.D., English
O'Connor, P. R., M.S., Ph.D., Inorganic Chemistry
O'Connor, W. V., M.A., Ph.D., English
†Odlaug, T. O., M.Sc., Ph.D., Biology
Ogata, K., M.S., Ph.D., Mechanical Engineering
*Ogle, K. N., M.A., Ph.D., Physiological Optics
Olson, J. C., Jr., M.S., Ph.D., Dairy Husbandry
Olson, M., M.A., Ph.D., Zoology
Olson, T. A., M.A., Public Health
Oren, Anne W., Ph.D., Social Work
Orey, S., Ph.D., Mathematics
Oskam, H. J., M.A., Ph.D., Electrical Engineering
Otis, C. K., M.S., Agricultural Engineering
Otto, H. J., Ph.D., Agronomy
Overdahl, C. J., M.S., Ph.D., Agricultural Extension
*Owen, C. A., Jr., M.D., Ph.D., Medical Research
Ownbey, G. B., M.S., Ph.D., Botany
Page, R. B., Ph.D., Student Personnel
†Palmer, Ruth, M.S., Ph.D., Home Economics
Parham, W. E., M.S., Ph.D., Organic Chemistry
Parker, J., M.A., Ph.D., Library
Pattison, W. T., M.A., Ph.D., Romance Languages
Pauley, S. S., M.S., Ph.D., Forestry
Paulu, B., M.A., Ph.D., Radio and Television
†Pearson, A. N., M.S., Ph.D., Sociology
Pederson, H. C., M.S., Economist Marketing—Agriculture
Pedoe, D., Ph.D., School of Mathematics
Peria, W. T., M.A., Ph.D., Electrical Engineering
Perry, J. F., B.A., M.D., Ph.D., General Surgery
Peterson, A. G., M.S., Ph.D., Entomology, Fisheries and Wildlife
Peterson, H. O., M.D., X-ray
Peterson, M. J., M.S.A., Ph.D., Agricultural Education
Peterson, O. C., M.A., Municipal Reference Bureau
Pflanze, O. P., M.A., Ph.D., History
Pfleider, E. P., Engr. of Mines, Mines and Metallurgy
†Pierce, R. F., Ph.D., Speech and Drama
Piper, R. A., M.A., D.Ed., Physical Education
Piret, E. L., Ph.D., Chemical Engineering
Pirsig, M. E., LL.B., Law
†Plumb, V. R., Ph.D., Education and Psychology
Plunkett, R., Sc.D., Aeronautics and Engineering Mechanics
Pomeroy, B. S., M.S., Ph.D., Veterinary Bacteriology
Prager, S., Ph.D., Chemistry
*Pratt, J. H., B.A., M.D., M.S., Clinical Surgery
Price, R. G., M.A., Ed.D., General Education
*Priestly, J. T., M.D., Ph.D., Surgery
Privett, O. S., M.S., Ph.D., Hormel Institute
*Pugh, D. G., B.S., M.D., Radiology
Quirt, W. W., Art
Raab, F. V., Ph.D., Philosophy
Ramras, H., M.A., Ph.D., German
Ramsey, C. E., M.S., Ph.D., Agricultural Extension—Sociology
Ranz, W. E., M.S., Ph.D., Chemical Engineering
Rapson, R., B.A., Architecture
Rassweiler, M. P., M.S., Ph.D., Physical Science and Mathematics
Raup, P. M., M.S., Ph.D., Agricultural Economics
Raygor, A. L., M.A., Ph.D., Educational Psychology
Rea, C. E., M.S., Ph.D., Surgery
Reed, S. C., A.M., Ph.D., Digit Institute—Zoology
Reich, E., B.E.E., M.S., Ph.D., Mathematics
Rempel, W. E., M.S., Ph.D., Animal Husbandry
Renaud, A. A., Ph.D., Romance Languages
Resch, J. A., B.S., M.D., Neurology
Reynolds, M. C., M.A., Ph.D., Educational Psychology
Richards, A. G., Ph.D., Entomology and Economic Zoology

Richardson, D. E., m.a., ed.d., Physical Education for Men
†Rickert, L. J., b.a., Physical Education for Men
Riedel, J., ph.d., Music
Ripken, J. F., m.s., Civil Engineering
Roberts, W. W., m.a., ph.d., Clinical Psychology
Roff, M. F., m.a., ph.d., Institute of Child Welfare
Rogers, V. R., m.s., ph.d., Elementary Education
Rogers, W. C., m.a., ph.d., State Organisation Service
*Rome, H. P., m.d., Psychiatry
Rood, J., Art
Rose, A. M., m.a., ph.d., Sociology
Rosenberg, M. D., m.a., ph.d., m.d., Zoology
†Rosenthal, W. A., m.a., ph.d., English
‡Roshal, J. Y., ph.d., m.s., ph.d., Biology
Ross, R. G., a.m., ph.d., General Studies
Routhe, H. G., m.s., Agricultural Economics
Rowe, C. J., b.a., m.d., Psychiatry—Neurology
Ruben, H., b.s., Statistics
*Rucker, C. W., m.d., m.s., Ophthalmology
Russell, W. A., m.a., ph.d., Psychology
Rutford, S., b.s., Agriculture
Ruttan, V. W., m.a., ph.d., Agricultural Economics
Ryan, D. M., b.ce., Agricultural Engineering
Ryman, M. W., m.ed., Intercollegiate Athletics
*Rynearson, E. H., m.d., m.s., d.sc., Medicine

Safer, L. T., m.a., Art
Saloshin, Henriette E., m.s.w., ph.d., Social Work
Sandalow, T., j.d., Law
Sandell, E. B., m.s., ph.d., Analytical Chemistry
Sautter, J. H., d.v.m., ph.d., Veterinary Pathology and Parasitology
Scallen, S. B., ll.b., Law
Schaffer, E. M., d.d.s., m.s.d., Dentistry
Schiele, B. C., m.d., Psychiatry
Schlenk, H., d.chem., dr. rer. nat., Biochemistry
Schmidt, E. L., m.s., ph.d., Microbiology
Schmitt, O. H., ph.d., Zoology
Schmookler, J., ph.d., Economics
Schofield, W., m.a., ph.d., Clinical Psychology
Schroepper, G. J., m.s., c.e., Civil Engineering
Schuell, Hildred M., m.a., ph.d., Psychiatry—Neurology
Schueszler, R. A., m.m., Music
Schultze, M. O., m.s., ph.d., Agricultural Biochemistry
Schuman, L. M., m.s., m.d., Public Health
Schwartz, S., b.s., m.d., Medicine
Scott, L. N., m.a., Social Work
Scott, R. L., m.a., ph.d., Speech—Theatre Arts
*Seldon, T. H., m.d.c.m., m.s., Clinical Anæsthesiology
Seltzer, G., ph.d., Business Administration
Serr, H. H., m.a., d.d.s., Dentistry
Serrin, J. B., m.a., ph.d., Mathematics
Sethna, P. R., b.elec.eng., m.s.e., ph.d., Aeronautics and Engineering Mechanics
Shapiro, S., m.d., ph.d., Psychiatry
*Shepherd, J. T., m.ch., m.d., d.sc., Physiology
Shepherd, W. G., ph.d., Electrical Engineering
Shideman, F. E., ph.d., m.d., Pharmacology
Shoffner, R. N., m.s., ph.d., Poultry Husbandry
Sibley, M. Q., m.a., ph.d., Political Science
Sibury, T., m.s., ph.d., School of Mathematics
Sielaff, R. O., m.b.a., ph.d., Social Studies
Silberman, E., m.s., Civil Engineering
Simler, N. J., m.s., ph.d., Economics
Simonson, E., m.d., Physiological Hygiene
*Simonton, K. M., b.a., m.d., m.s., Otolaryngology
Sims, P. K., m.s., ph.d., Geology
Singer, L., ph.d., Dentistry
Sirny, R. J., m.s., ph.d., Home Economics
Skok, R. A., m.f., ph.d., School of Forestry
Slater, R. C., b.s., Mortuary Science
Sloan, H. J., m.s., ph.d., Poultry Husbandry
Slocum, Helen M., m.ed., ph.d., Physical Education for Woman
*Slocumb, C. H., m.d., m.s., Medicine
†Smith, A. E., m.s., ed.d., Art
Smith, B. A., m.d., Urology
Smith, D. K., ph.m., ph.d., Speech
Smith, L. L., Jr., m.a., ph.d., Entomology and Economic Zoology
Smith, T. L., m.a., ph.d., History
Snyder, L. A., ph.d., Agronomy and Plant Genetics
Sobel, M., ph.d., Statistics
Soine, O. C., m.s., ph.d., Northwest School and Experimental Station, Crookston
Soine, T. O., m.s., ph.d., Pharmacy
Solem, A. R., m.a., ph.d., Business Functions and Management
Sorauf, F. J., Jr., m.a., ph.d., Political Science
Sorensen, D. K., d.v.m., m.s., ph.d., Veterinary Medicine
Sparrow, E. M., m.s., m.a., ph.d., Mechanical Engineering
Spencer, R. F., m.a., ph.d., Anthropology
Spilhaus, A. F., m.s. (aero. eng.), d.sc., Oceanography
Spink, W. W., m.d., f.a.c.p., d.sc., Internal Medicine
*Sprague, R. G., m.d., ph.d., Medicine
Spratt, N. T., Jr., ph.d., Zoology
Spurrell, F. A., ph.d., Veterinary Surgery and Radiology
Stanford, E. B., m.a., ph.d., Library
Stange, G. R., ph.d., English
Steadman, S. R., d.d.s., m.s., Dentistry
Stecklein, J. E., m.s., ph.d., Institutional Research
Stedman, Louise A., m.a., ph.d., Home Economics
Stein, M. L., m.a., ph.d., Mathematics
Steinmann, M., m.a., ph.d., English
Stephan, J. W., m.b.s., Hospital Administration
Stevenson, H. W., m.a., ph.d., Child Development and Welfare
Stevenson, H. W., m.b.a., ph.d., Business Functions and Management
*Stickney, J. M., m.d., m.s., Clinical Medicine
Stoesser, A. V., m.d., ph.d., Pædiatrics
Stone, G. P., m.a., ph.d., Sociology
Storrow, H. A., a.b., m.d., Psychiatry—Neurology
Stowe, C. M., d.v.m., ph.d., Veterinary Physiology and Pharmacology
Strait, J., m.s., Agricultural Engineering
Straus, M. A., m.s., ph.d., Home Economics and Sociology
Sukov, M., b.s., m.d., Psychiatry—Neurology
Summers, R. E., m.s., m.e., Engineering (Dean of Admissions and Records)
Sundberg, R. Dorothy, m.a., ph.d., m.d., Anatomy
Suura, H., d.sc., School of Physics
Swain, F. M., Jr., m.s., ph.d., Geology
Swalin, R. A., ph.d., Metallurgy
Swanson, D. C., m.a., ph.d., Classics
Swanson, G. I., m.s., ph.d., Agricultural Education
Swanson, H. B., m.s., Information Service—Agriculture
†Tamminen, A. W., m.a., ph.d., Psychology
Tate, A. J. O., litt.d., English
Taylor, H. L., ph.d., Physiological Hygiene
Templin, Mildred C., m.a., ph.d., Child Development
Terrell, D. B., ph.d., Philosophy
Terzuolo, C. A., m.d., Biophysics in Physiology Dept.
†Tezla, A., m.a., ph.d., English
Thomas, E. L., m.s., ph.d., Dairy Industries
Thomas, H. A., m.a., ph.d., Art
Thomas, T. W., m.s., School of Architecture
Thomes, A. B., m.d., Medicine
Thompson, D. W., m.a., Speech and Theatre Arts
*Thompson, G. J., m.d., m.s., Urology
Thompson, J. R., b.s., m.s., Southern Experimental Station (Waseca)
Thomson, S. C., m.d., m.s., m.p.h., Public Health
Thorp, W. T. S., d.v.m., m.s., Veterinary Science
Threlkeld, J. L., m.s., ph.d., Mechanical Engineering
Thurston, Marjorie H., m.a., ph.d., Rhetoric
Tobian, L., b.a., m.d., Medicine
Torbert, D., m.a., ph.d., Art
Torrance, E. P., m.a., ph.d., Educational Research
Torres, F., m.d., Multiple Sclerosis
Tselos, D. T., m.a., m.f.a., ph.d., Art
Tsuchiya, H. M., m.s., ph.d., Chemical Engineering
Turnbull, J. G., ph.d., Economics
Turner, J. E., m.a., ph.d., Political Science
Turnquist, O. C., m.s., ph.d., Horticulture
Turrittin, H. L., m.s., ph.d., Mathematics
Unger, L. H., m.a., ph.d., English
Usenik, E. A., d.v.m., ph.d., Veterinary Surgery and Radiology
Van Bergen, F. H., b.s., m.s., Anæsthesiology
Van der Ziel, A., m.a., ph.d., Electrical Engineering
van Vliet, K. M., m.s., ph.d., Electrical Engineering
Varco, R. L., m.d., ph.d., Surgery
Vaughan, A. L., ph.d., Physical Science
Verbrugge, F., m.a., ph.d., Physics
Visscher, M. B., m.s., ph.d., m.d., Physiology
Vivrett, W. K., m.arch., Architecture
†von Glahn, G., m.a., ph.d., Political Science
†Voss, G. O., m.a., Industrial Education
Waibel, P. E., m.s., ph.d., Poultry
Wakely, J. W., d.d.s., m.s., Dentistry
*Wakim, K. G., m.d., ph.d., Physiology
Wall, C. N., m.s., ph.d., Physics
Wangensteen, O. H., m.d., ph.d., f.a.c.s., ll.d., Surgery
*Ward, L. E., m.d., m.s., Clinical Medicine
Warmath, M. A., b.s., Physical Education
Warp, G. A., m.a., Public Administration Centre
Waterbury, T. L., j.d., ll.m., Law
Watson, C. J., m.s., m.d., ph.d., Internal Medicine
Watson, D. W., m.sc., ph.d., Bacteriology
Wayne, R. W., m.s., Dairy Science
Weber, A. F., d.v.m., m.s., ph.d., Veterinary Anatomy
Weinberger, H. F., m.s., sc.d., Mathematics
Weiser, B. D., m.a., Music
Wells, H. S., m.d., Physiology

WELLS, L. J., M.A., PH.D., Anatomy
†WELLS, W. M., M.ED., PH.D., Physical Education
WERTZ, J. E., M.S., PH.D., Physical Chemistry
WEST, EDITH, M.A., PH.D., Social Studies—University High School
WHITE, W. F., M.S., PH.D., Pharmacy
WHITING, F. M., M.A., PH.D., Speech
WHITMORE, DOROTHY, M.A., Social Work
WICKESBERG, A. K., M.B.A., PH.D., Business Administration
WIDMER, R. E., M.S., PH.D., Horticulture
WILK, R. E., M.A., PH.D., Educational Psychology
WILLIAMS, C. A., M.A., PH.D., Business Administration
WILLIAMS, H. F., M.A., PH.D., Romance Languages
*WILLIAMS, H. L., M.D., M.S., Otolaryngology
WILLIAMS, J. B., M.S., PH.D., Dairy Husbandry
WILLIAMS, J. H., M.A., PH.D., Physics
*WILLIAMS, M. M. D., M.S., PH.D., Biophysics
WILLIAMSON, E. G., PH.D., Psychology
WILLSON, D. H., PH.D., History
WILSON, H. W., B.S., M.A., School of Journalism
WILSON, MARJORIE U., M.A., PH.D., Physical Education for Women
*WILSON, R. B., M.D., M.S., Obstetrics and Gynæcology
WINCKLER, J. R., PH.D., Physics
*WINKELMANN, R. K., M.D., PH.D., Dermatology
WINTEROWD, G. C., M.S., Architecture
WIRT, R. D., M.A., PH.D., Psychology
WITTICH, H. C., D.D.S., Dentistry
†WITZIG, F., B.S., M.S., PH.D., Geography
WOLF, J. B., M.A., PH.D., History
†WOLFF, J. F., M.A., PH.D., Political Science
*WOLLAEGER, E. E., M.D., M.S., Medicine
WOOD, C., PH.D., German
†WOOD, C. W., M.A., ED.D., Student Personnel Service
*WOOD, E. H., M.S., PH.D., Experimental Metabolism
WOODS, D. Z., M.A., PH.D., Communication—General Extension Div.
*WOOLNER, L. B., M.D., M.S., Pathology
WOROD, F. H., A.M., PH.D., German
WRIGHT, E. S., B.S., M.A., PH.D., Rhetoric
WRIGHT, H. E., M.A., PH.D., Geology and Mineralogy
YAMANE, G. M., D.D.S., Dentistry
YOCK, D. H., D.D.S., Dentistry
*YOUNG, H. H., M.D., M.S., Clinical Orthopædic Surgery
YOUNGQUIST, B. E., PH.D., N.W. School of Agriculture, Crookston
ZEMJANIS, R., D.V.M., PH.D., Veterinary Obstetrics
ZIEBARTH, E. W., PH.D., Speech
ZIEVE, L., M.D., PH.D., Medicine
ZOLTAI, T., PH.D., Geology and Geophysics

WINONA STATE COLLEGE

WINONA, MINNESOTA 55987

Telephone: 8-2951.

Founded 1858.

President: Dr. NELS MINNÉ.
Registrar: Miss LOIS SIMONS.
Librarian: E. JACOBSEN.

The library contains 47,000 volumes.
Number of teachers: 115.
Number of students (Fall 1964): 2,198.

MISSISSIPPI

ALCORN AGRICULTURAL AND MECHANICAL COLLEGE

LORMAN, MISSISSIPPI

Telephone: Port Gibson 420, Ext. 202.

Founded 1871.

President: Dr. JOHN D. BOYD.
Registrar: D. W. WILBURN.
Librarian: Mrs. EPSY Y. HENDRICKS.

The library contains 35,000 volumes.
Number of teachers: 75.
Number of students: 1,421.

BELHAVEN COLLEGE

JACKSON, MISSISSIPPI 39202

Telephone: 352-0013.

Founded 1883.

President: HOWARD J. CLELAND.
Registrar: B. B. THAMES.
Librarian: HOPE B. REID.

The library contains 32,000 volumes.
Number of teachers: 48.
Number of students: 555.

BLUE MOUNTAIN COLLEGE

BLUE MOUNTAIN, MISSISSIPPI

Telephone: 685-5161.

Founded 1873.

President: E. HAROLD FISHER.
Registrar: ANNIE HENDRICKS.
Librarian: Mrs. FLORENCE TAYLOR.

The library contains 26,500 volumes.
Number of teachers: 29.
Number of students: 335.

DELTA STATE COLLEGE

CLEVELAND, MISSISSIPPI 38732

Telephone: Area Code 601, 843-2606.

Founded 1924.

President: Dr. JAMES M. EWING.
Registrar: Dr. M. G. MCRANEY.
Librarian: Miss ELEANOR HARKINS.

The library contains 56,000 volumes (approx.).
Number of teachers: 82.
Number of students: 1,580.

MILLSAPS COLLEGE

JACKSON, MISSISSIPPI

Telephone: Area Code 601, 354-5201.

Founded 1892.

President: BENJAMIN B. GRAVES, PH.D.
Registrar and Dean of Admissions: P. D. HARDIN.
Librarian: Miss MARY A. O'BRYANT.

The library contains 47,000 volumes.
Number of teachers: 74.
Number of students: 792.

MISSISSIPPI COLLEGE

CLINTON, MISSISSIPPI

Telephone: 924-5131.

Founded: 1826.

President: RICHARD A. MCLEMORE, PH.D.
Registrar: T. MOHON.
Librarian: J. B. HOWELL.

The library contains 94,000 volumes.
Number of teachers: 84.
Number of students: 1,800.

MISSISSIPPI STATE COLLEGE FOR WOMEN

COLUMBUS, MISSISSIPPI

Founded 1884; first State-supported college exclusively for women to be founded in the U.S.

President: CHARLES P. HOGARTH, A.M., PH.D.
Dean of Faculty: S. A. BRASFIELD, A.M., ED.D.
Registrar: D. F. SNIPES, A.M.
Recorder: JOSEPHINE WATSON, A.B.
Comptroller: J. H. BARBER, Jr., B.S.
Librarian: B. T. MOSS, A.M., PH.D.

Number of teachers: 109.
Number of students: 1,915.
Publication: *Catalogue* (annual).

MISSISSIPPI STATE UNIVERSITY

STATE COLLEGE, MISSISSIPPI

Telephone: Starkville 323-4321.
Telegraphic Address: Starkville, Mississippi.

Founded 1878.

President: D. W. COLVARD.
Vice-President for Academic Affairs: J. K. BETTERSWORTH.
Registrar: L. D. FURGERSON.
Librarian: G. R. LEWIS.

Number of teachers: 503.
Number of students: 6,310.

DEANS:

Agriculture: L. N. WISE.
Arts and Sciences: L. C. BEHR.
Business and Industry: W. C. FLEWELLEN, Jr.
Education: F. A. RHODES.
Engineering: H. C. SIMRALL.
Forestry: R. T. CLAPP.
Graduate: J. C. MCKEE, Jr.
Summer School: T. K. MARTIN.

TOUGALOO COLLEGE

TOUGALOO, MISSISSIPPI

Telephone: 366-3425.

Founded 1869.

President: GEORGE A. OWENS.
Registrar: H. E. DOCKINS.
Librarian: Miss L. ZENOBIA COLEMAN.

The library contains 36,600 volumes.
Number of teachers: 45.
Number of students: 500.

UNIVERSITY OF MISSISSIPPI

UNIVERSITY P.O., NEAR OXFORD, LAFAYETTE CO., MISSISSIPPI

Telephone: Oxford 234-1211.

Chartered 1848.

The School of Medicine, School of Nursing and the University of Mississippi Center are situated at Jackson, Mississippi.

Chancellor: JOHN D. WILLIAMS, ED.D., LL.D.
Vice-Chancellor: W. A. BRYANT, PH.D.
Registrar: R. B. ELLIS, M.B.A.
Comptroller: E. E. DAVIDSON, M.B.A., C.P.A.
Director of Libraries: J. S. HARTIN, PH.D.

The library contains 353,000 volumes.
Number of teachers: 473.
Number of students: 3,821 men, 2,015 women, total 5,836.
Publications: *Mississippi Law Journal, General Catalogue, Graduate School Bulletin, School of Law Bulletin,* and Bulletins for Schools of Business and Government, Engineering, Pharmacy and Medicine, *Summer Session Bulletin.*

DEANS:

Student Personnel: F. E. MOAT, ED.D.
Women: KATHERINE REA, PH.D.
Arts: A. B. LEWIS, PH.D.
Graduate: W. L. NOBLES, PH.D.
Business and Government: C. F. DUNHAM, PH.D.
Education: S. A. MOORHEAD, PH.D.
Engineering: K. BRENKERT, Jr., PH.D.
Law: J. M. MORSE III, LL.D.
Medicine: R. Q. MARSTON, M.D. (Jackson Campus).
Nursing: CHRISTINE L. OGLEVEE, M.S. (Jackson Campus).
Pharmacy: C. W. HARTMAN, PH.D.

UNIVERSITY OF SOUTHERN MISSISSIPPI

SOUTHERN STATION, BOX 1,
HATTIESBURG, MISSISSIPPI
Telephone: 266-7101.
Founded 1910.

President: Dr. WILLIAM D. MCGAIN.
Registrar: A. LUCAS.
Director of Admissions: J. S. ANZALONE.
Librarian: Dr. W. F. TRACY.

The library contains 145,000 volumes.
Number of teachers: 353.
Number of students: 6,500.

WILLIAM CAREY COLLEGE

HATTIESBURG, MISSISSIPPI
Telephone: 582-5051.
Founded 1906.

President: Dr. J. RALPH NOONKESTER, TH.D.
Registrar: Miss SARA GRAY.
Director of Admissions: B. MITCHELL.
Librarian: Mrs. RUTH DUNCAN.

The library contains 28,765 volumes.
Number of teachers: 45.
Number of students: 731.

MISSOURI

AVILA COLLEGE

11901 WORNALL ROAD,
KANSAS CITY, MISSOURI 64145
Telephone: Willow 2 3204.
Founded 1916.

President: Sister OLIVE LOUISE, C.S.J.
Registrar: Miss MARGOT THORNHILL.
Librarian: Sister JAMES MARIE, C.S.J.

The library contains 45,000 volumes.
Number of teachers: 50.
Number of students: 450.

CARDINAL GLENNON COLLEGE

5200 GLENNON DRIVE,
ST. LOUIS, MISSOURI 63119
Telephone: MI 5-5261.
Founded 1900.

President: Rev. FRANCIS A. GAYDOS, C.M.
Registrar: Mrs. CELESTE BRANDHORST.
Librarian: Rev. I. MELITO, C.M.

The library contains 33,385 volumes.
Number of teachers: 18.
Number of students: 250 (approx.).

CENTRAL METHODIST COLLEGE

FAYETTE, MISSOURI
Founded 1854.

President: RALPH L. WOODWARD, D.D.
Dean: R. W. JACOB, ED.D.
Librarian: MARTHA D. BROCKMAN, M.A.

Number of teachers: 56, including 13 professors.
Number of students: 538 men, 328 women, total 866 (Fall 1963).
Publication: *Bulletin.*

DEANS:

Men: J. THROGMORTON, A.M.
Women: MARGIE M. WATSON, A.M.

CENTRAL MISSOURI STATE COLLEGE

WARRENSBURG, MISSOURI
Telephone: 747-8141.
Founded 1871.

President: WARREN C. LOVINGER.
Registrar: R. BOYD.
Director of Library Services: C. B. FORD.

The library contains 139,000 volumes.
Number of teachers: 340 (approx.).
Number of students: 7,500 (approx.).

CULVER-STOCKTON COLLEGE

CANTON, MISSOURI
Telephone: Canton-46.
Founded 1853.

President: Dr. FRED HELSABECK.
Registrar: Miss OLGA BAYS.
Librarian: J. SPERRY.

The library contains 75,000 volumes.
Number of teachers: 48.
Number of students: 774.

DRURY COLLEGE

SPRINGFIELD, MISSOURI
Telephone: UNiversity 9-0511.
Founded 1873.

President: EARNEST BRANDENBURG.
Registrar: E. NULL.
Librarian: MARY E. HINKLEY.

The library contains 85,000 volumes.
Number of teachers: 75 full-time, 40 part-time.
Number of students: 1,000 full-time, 1,200 part-time.

FONTBONNE COLLEGE

6800 WYDOWN BLVD.,
ST. LOUIS, MISSOURI 63105
Telephone: PArkview 1-8241.
Founded 1917.

President: Sister MARY A. NOBLE, PH.D.
Registrar: Sister RUTH M. RAUPP, A.M.
Librarian: Sister ALBERTA A. RUYS, A.M.

The library contains 50,385 volumes.
Number of teachers: 70.
Number of students: 900.

HARRIS TEACHERS COLLEGE

3026 LACLEDE AVENUE,
ST. LOUIS, MISSOURI 63103
Telephone: JEfferson 1-3420.
Founded 1857.

President: Dr. JOHN D. WHITNEY.
Registrar: Miss PELAGIE A. GREENE.
Librarian: Miss JULIA KOHL.

The library contains 45,600 volumes.
Number of teachers: 48.
Number of students: 1,050.

IMMACULATE CONCEPTION SEMINARY

CONCEPTION, MISSOURI 64433
Telephone: 19A.
Founded 1883.

President: Very Rev. CONRAD FALK, O.S.B.
Registrar: Rev. M. O'MEARA, O.S.B.
Librarian: Rev. N. SCHAPPLER, O.S.B.

The library contains 50,000 volumes.
Number of teachers: 35.
Number of students: 450.

LINCOLN UNIVERSITY

JEFFERSON CITY, MISSOURI
Founded 1866.

President: Dr. EARL E. DAWSON.
Business Manager: WINIFRED A. HAMILTON.
Registrar: C. C. DAMEL.
Librarian: A. P. MARSHALL.

Number of teachers: 108, including 72 professors.
Number of students: 1,643.
Publications: *Lincoln Clarion* (weekly), *Archives* (annual review), *Lincoln's Page, Public Relations News Letter, Alumni Bulletin.*

DEANS:

Men: C. M. HOARD.
Women: Mrs. VELMA THOMAS.
College of Arts and Science: O. J. CHAPMAN.
Summer Session: U. S. MAXWELL (Director).
Graduate Division: C. J. CHAPMAN.

LINDENWOOD COLLEGE
ST. CHARLES, MISSOURI

Founded 1827.

President: FRANC L. MCCLUER, M.A., PH.D., LL.D.
Dean: P. W. PIXLER, S.T.M., PH.D.
Dean of the Chapel: C. E. CONOVER, B.D., A.M., PH.D.
Director of Admissions: G. G. THOMAS, M.A.
Dean of Students: MARY LICHLITER, M.A.
Business Manager: R. C. COLSON, B.S.
Registrar: LULA C. BEALE, M.A.
Librarian: MILDRED D. KOHLSTEDT, M.A.

The library contains 48,354 books and pamphlets.
Number of teachers: 57.
Number of students: 650 women.
Publications: *The Linden Bark, The Linden Leaves* (yearbook), *The Griffin* (annual).

MARYVILLE COLLEGE OF THE SACRED HEART
13550 CONWAY ROAD,
ST. LOUIS, MISSOURI 63141
Telephone: HEmpstead 4-4100.

Founded 1872.

President: Mother M. G. MCNALLY, R.S.C.J.
Registrar: Mother H. DOYLE, R.S.C.J.
Librarian: Mother M. DOWLING, R.S.C.J.

The library contains 48,000 volumes.
Number of teachers: 40.
Number of students: 470.

MISSOURI VALLEY COLLEGE
500 EAST COLLEGE,
MARSHALL, MISSOURI 65340
Telephone: GArden 6-2166.

Founded 1889.

President: M. EARLE COLLINS, PH.D.
Registrar: Mrs. VESTA RAWLINGS.
Director of Admissions: B. B. BANTA.
Librarian: (Vacant).

The library contains 48,699 volumes.
Number of teachers: 45.
Number of students: 771.

NORTHWEST MISSOURI STATE COLLEGE
MARYVILLE, MISSOURI 64468
Telephone: 582-4851.

Founded 1906.

President: ROBERT P. FOSTER.
Registrar: C. H. THATE.
Librarian: J. JOHNSON.

The library contains 90,000 volumes.
Number of teachers: 150.
Number of students: 3,850.

PARK COLLEGE
PARKVILLE, MISSOURI 64152
Telephone: Sh 1-2000.

Founded 1875.

President: H. MILTON MOHLER.
Registrar: E. O'BRIEN.
Director of Admissions: W. A. HONEYCUTT, Jr.
Librarian: H. SMITH.

The library contains 70,000 volumes.
Number of teachers: 54.
Number of students: 600.

ROCKHURST COLLEGE
5225 TROOST AVENUE,
KANSAS CITY, MISSOURI 64110
Telephone: EMerson 3-4010.

Founded 1910.

President: Very Rev. MAURICE E. VAN ACKEREN, S.J.
Registrar: P. D. AREND.
Librarian: J. M. CHRIST.

The library contains 55,000 volumes.
Number of teachers: 127.
Number of students: 2,182.

SAINT LOUIS UNIVERSITY
SAINT LOUIS, MISSOURI 63103
Telephone: JEfferson 5-3300.

Founded 1818, first University west of the Mississippi River; Chartered 1832.

President: Rev. PAUL C. REINERT, S.J., A.M., S.T.L., PH.D., LL.D., PED.D., L.H.D.
Executive Vice-President: Rev. J. J. MARCHETTI, S.J., A.M., S.T.L., PH.D.
Vice-President in Charge of Academic Administration: Rev. R. J. HENLE, S.J., A.M., S.T.L., PH.D.
Vice-President for the Medical Center: Rev. E. J. DRUMMOND, S.J., A.M., S.T.L., P.H.D.
Vice-President for University Relations: Rev. F. J. O'REILLY, S.J., A.M., S.T.L.
Vice-President for Financial Administration and Treasurer: Rev. B. T. SCHUERMAN, S.J., S.T.B.
Registrar: L. E. FALKNER, A.M.
Dean of Admissions: R. M. KEEFE, A.M.
Director of Business and Finance: E. J. LANWERTH.
Business Manager: E. J. HELLMAN, LL.B.
Controller: E. J. LANWERTH.
Director of University Libraries: J. V. JONES, B.S., M.S. in L.S.

The library contains over 700,000 volumes.
Number of teachers: 1,382.
Number of students: 7,496 men, 3,008 women, total 10,504.
Publications: *The Classical Bulletin, The Modern Schoolman, Review for Religious, Theology Digest, Saint Louis University Law Journal, Seismological Bulletin, Manuscripta, Saint Louis University Magazine, The Parks Air News, The Aeronautics Bulletin, Fleur de Lis.*

DEANS:

Institute of Technology: Rev. V. J. BLUM, S.J., A.M., M.S., S.T.L., PH.D.
Parks College of Aeronautical Technology: L. Z. SELTZER, PH.C., B.S.E.
College of Arts and Sciences: Rev. J. B. MCGANNON, S.J., A.M., S.T.L., PH.D.
The Precious Blood Sister Formation Division: Sister MARY D. SHAY, AD.PP.S., ED.M. (Associate).
College of Philosophy and Letters:
Division of Philosophy: Rev. G. P. KLUBERTANZ, S.J., A.M., S.T.L., PH.D.
Division of Letters: Rev. R. J. O'SULLIVAN, S.J., A.M., S.T.L. (Associate).
School of Commerce and Finance: S. W. VASQUEZ, M.B.A., C.P.A.
School of Dentistry: S. P. FORREST, M.S., D.D.S., F.A.C.D., F.I.C.D.
School of Divinity: Rev. G. F. VAN ACKEREN, S.J., A.M., S.T.L., S.T.D.
Graduate School: H. HOWE, M.S., PH.D., LL.D.
School of Law: V. C. IMMEL, B.S., J.D.
School of Medicine: R. H. FELIX, M.D., M.P.H., SC.D., LL.D.
School of Nursing and Health Services: Sister MARY G. KULLECK, S.S.M., R.N., M.S. IN NR.ED.
School of Social Service: Rev. B. J. COUGHLIN, S.J., S.T.L., M.S.W., PH.D.
Metropolitan College: L. S. STEIN, A.M., PH.D.

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SEARLS, EILEEN H., A.B., LL.B., M.S., Law
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SELTZER, L. Z., PH.C., B.S.E., Aerospace Engineering
SEVERIN, Rev. F. T., S.J., A.M., Psychology
SIMEONE, J., B.S., LL.M., Law
SIMMONS, L. I., M.S., PH.D., Marketing
SMITH, JOAN M., B.A., M.S.W., Social Work
SPITZER, A., A.M., PH.D., Anthropology
STEINBICKER, P. G., A.M., PH.D., Political Science
SWEET, H. C., M.D., A.M., Clinical Medicine
TAYLOR, E. H., D.D.S., Prosthetic Dentistry
THAYER, S., B.S., PH.D., Biochemistry
THOMAS, J. L., S.J., M.A., S.T.L., PH.D., Sociology
TUREEN, L. L., B.S., M.D., Clinical Neurology and Psychiatry
VEZEAU, W. A., M.S., PH.D., Mathematics
VOLLERT, Rev. C. O., S.J., A.M., S.T.L., PH.D., S.T.D., Dogmatic Theology
WADE, N. J., M.S., PH.D., Biology
WADE, Rev. W. L., S.J., A.M., S.T.L., PH.D. Philosophy
WEBER, A. H., A.M., PH.D., Physics
WEBER, ANNEMARIE, M.D., DR.MED., Biochemistry
WEBER, M. M., B.S., SC.D., Microbiology
WEGRIA, R. W. E., M.D., D.MED.SC., Internal Medicine, Pharmacology
WEIR, D. C., B.S. IN M.D., M.D., Clinical Radiology
WEISENBERG, Rev. E., S.J., A.M., S.T.D., Dogmatic Theology
WILLMAN, V. L., M.D., Surgery
WOOD, H. S., A.B., M.B.A., A.M. IN ED., Aeronautical Administration
WULLER, C. E., M.S. IN C., PH.D., Accounting
YEALY, Rev. F. J., S.J., A.B., PH.D., English
YOUNG, S., B.S., M.B.A., PH.D., Business Administration

SOUTHEAST MISSOURI STATE COLLEGE

CAPE GIRARDEAU, MISSOURI

Telephone: EDgewater 4-4811.

Founded 1873.

President: MARK F. SCULLY.
Registrar: A. BRAY.
Director of Admissions: L. EVANS.
Librarian: F. SNIDER.

The library contains 113,700 volumes.
Number of teachers: 180.
Number of students: 4,860 (approx.).

SOUTHWEST MISSOURI STATE COLLEGE

SPRINGFIELD, MISSOURI

Telephone: UN9-9101.

Founded 1906.

President: ARTHUR L. MALLORY.
Director of Admissions: L. LEISENRING.
Librarian: R. HARVEY.

The library contains 100,146 volumes.
Number of teachers: 230.
Number of students: 4,318.

STEPHENS COLLEGE

COLUMBIA, MISSOURI

Telephone: Gibson 2-2211.

Founded 1833.

President: SEYMOUR A. SMITH.
Director of Admissions: H. E. BISER.
Librarian: R. EMERICK.

The library contains 67,345 volumes.
Number of teachers: 150.
Number of students: 1,900.

TARKIO COLLEGE

TARKIO, MISSOURI 64491

Telephone: 816-736-4131.

Founded 1883.

President: WILLIAM H. SCHECHTER, PH.D.
Registrar: W. O. YATES.
Librarian: Miss JEANETTE HUSTON.

The library contains 37,000 volumes.
Number of teachers: 45.
Number of students: 699.

UNIVERSITY OF MISSOURI

COLUMBIA, MISSOURI

Founded 1839.

President: ELMER ELLIS, PH.D., LL.D.

Assistant to the President: I. COYLE, PH.D.

Business Manager: D. O. DOWLING, B.S.B.A.

Comptroller: R. BEZONI, B.S.B.A.

Dean of Extension Division: C. B. RATCHFORD, PH.D.

Dean of Research Administration: R. E. PECK, PH.D.

Library: *see* Libraries.

Number of teachers: 993, including 282 professors.

Number of students (for all Columbia and Rolla divisions): 13,353 men, 3,740 women, total 17,093.

University of Missouri at Columbia

COLUMBIA, MISSOURI

Chancellor: JOHN SCHWADA, PH.D.

Assistant to the Chancellor: V. A. METCALF, PH.D.

Dean of Extra-Divisional Administration: R. CALLIS, PH.D.

DEANS:

Faculty of College of Agriculture: E. R. KIEHL, PH.D. (also Director of Division of Agricultural Sciences, which includes the College of Agriculture, the School of Forestry and the School of Veterinary Medicine).

Faculty of College of Arts and Science: W. F. ENGLISH, PH.D.

School of Business and Public Administration: P. C. WALKER, PH.D.

Faculty of College of Education: H. W. SCHOOLING, ED.D.

Faculty of College of Engineering: J. C. HOGAN.

Graduate Faculty: H. E. BENT, PH.D.

Faculty of School of Journalism: E. F. ENGLISH, PH.D.

Faculty of Law School: J. E. COVINGTON, S.J.D.

Faculty of School of Medicine: V. E. WILSON, M.D. (also Director of Medical Center, which includes the School of Medicine, School of Nursing and the University Hospital).

Faculty of School of Veterinary Medicine: B. W. KINGREY, D.V.M.

Dean of Students: J. MATTHEWS, ED.D.

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ALLEN, O. E., B.S., Agricultural Economics Extension
AMICK, GEORGIE M., M.S., Home Economics
ARTLEY, A. S., PH.D., Education
ASLIN, N. C., ED.D., Education
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BAUDER, R. S., PH.D., Economics
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University of Missouri at Kansas City

5100 ROCKHILL ROAD,
KANSAS CITY 10, MISSOURI

Telephone: DE 3-7400.

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WILSON, H., M.D., Medicine
WIRTH, A. G., M.A., PH.D., Education
YOUNGDAHL, B. E., LL.D., Social Work
ZABORSKY, J., DIPL.ENG., Engineering
ZAWODNY, J., DIPL. Foreign Trade, B.S., M.A., PH D., Political Science

WEBSTER COLLEGE

470 EAST LOCKWOOD AVENUE,
ST. LOUIS, MISSOURI 63119
Telephone: Wo. 8-0500.
Founded 1915.

President: Sister JACQUELINE GRENNAN, S.L.
Registrar: Sister ALEXANDER MARIE BARTHEL.
Librarian: C. R. GOUGH.

The library contains 52,000 volumes.
Number of teachers: 115.
Number of students: 908.

WESTMINSTER COLLEGE

FULTON, MISSOURI
Telephone: Area Code 314, Midway 2-3361.
Founded 1851.

President: Dr. ROBERT L. D. DAVIDSON.
Registrar: C. C. KEEL.
Librarian: E. K. HILLARD.

The library contains 75,000 volumes.
Number of teachers: 56.
Number of students: 650.

WILLIAM JEWELL COLLEGE

LIBERTY, MISSOURI 64068
Telephone: STerling 1-3806.
Founded 1849.

President: Dr. H. GUY MOORE.
Registrar: Mrs. DEOLA GAIRRETT.
Director of Admissions: H. WYATT, Jr.
Librarian: L. RICE (acting).

The library contains 87,000 volumes (approx.).
Number of teachers: 67.
Number of students: 937.

MONTANA

CARROLL COLLEGE

HELENA, MONTANA
Telephone: 442-3450.
Founded 1909.

President: Rt. Rev. Mgr. ANTHONY M. BROWN.
Registrar: Rev. J. R. SHEA.
Librarian: Rev. J. R. WHITE.

The library contains 38,000 volumes.
Number of teachers: 57.
Number of students: 820.

COLLEGE OF GREAT FALLS

1301 20TH STREET SOUTH,
GREAT FALLS, MONTANA 59401
Telephone: 452-9584.
Founded 1932.

President: Sister RITA.
Registrar: Sister HELEN PAULA.
Librarian: Sister ROSE FRANCES.

The library contains 40,000 volumes.
Number of teachers: 51.
Number of students: 975.

EASTERN MONTANA COLLEGE

BILLINGS, MONTANA 59101
Telephone: Area Code 406, 252-6611.
Founded 1927.

President: HERBERT L. STEELE, ED.D.
Director of Admissions and Records: C. E. KITTOCK.
Librarian: Mrs. JEAN DAVIS.

The library contains 61,000 volumes.
Number of teachers: 104.
Number of students: 2,162.

MONTANA COLLEGE OF MINERAL SCIENCE AND TECHNOLOGY

BUTTE, MONTANA
Founded 1893.

President: EDWIN G. KOCH.
Vice-President and Dean of the College: D. C. MCAULIFF.
Registrar: W. M. BROWN.
Business Manager: V. D. BURT.
Librarian: Mrs. LORETTA B. PECK.

Number of teachers: 37.
Number of students (1964–65): 518.
Publications: *Annual Catalog, The Magma, The Amplifier.*

NORTHERN MONTANA COLLEGE

HAVRE, MONTANA 59501
Telephone: Area Code 406, 26 5-7821.
Founded 1929.

President: Dr. JOSEPH R. CROWLEY.
Registrar: Mrs. PATSY CHRISTENSEN.
Librarian: H. EARHART.

The library contains 33,000 volumes.
Number of teachers: 60.
Number of students: 907.

MONTANA STATE UNIVERSITY

BOXEMAN, MONTANA

President: LEON H. JOHNSON.
Vice-President for Academic Affairs: P. C. GAINES.
Vice-President for Administration: W. A. JOHNSTONE.
Vice-President for Research: R. E. HUFFMAN.
Director of Admissions: H. G. COCKRUM.
Registrar: HELEN FECHTER.

Number of students: 5,700.

DEANS OF COLLEGES:

Letters of Science: C. C. BRADLEY.
Agriculture: J. A. ASLESON.
Engineering: B. J. BENNETT.
Professional Schools: GERTRUDE ROSKIE.
Graduate Studies: L. D. SMITH.

ROCKY MOUNTAIN COLLEGE

1511 POLY DRIVE,
BILLINGS, MONTANA 59102
Telephone: 245-6151.
Founded 1883.

President: Dr. PHILIP M. WIDENHOUSE.
Registrar: J. R. TAYLOR.
Librarian: Mrs. LUCIE REEDY.

The library contains 42,000 volumes.
Number of teachers: 41.
Number of students: 500.

UNIVERSITY OF MONTANA

MISSOULA, MONTANA
Telephone: 543-7241.
Founded 1893.

President: ROBERT JOHNS, PH.D.
Academic Vice-President: F. C. ABBOTT, PH.D.
Financial Vice-President: R. T. PANTZER, LL.B.
Executive Dean: D. J. INABNIT, ED.D.
Registrar: L. SMITH, M.A.
Dean of Library Service: E. C. THOMPSON, M.LN.

The library contains 283,178 volumes, plus approx. 110,000 U.S. Government documents.
Number of teachers: 285.
Number of students: 5,307.

DEANS:

College of Arts and Sciences: R. W. CONROOD, PH.D.
School of Fine Arts: C. W. BOLEN, PH.D.
School of Business Administration: J. L. ATHEARN, PH.D.
Graduate School: F. S. HONKALA, PH.D.
School of Education: J. M. THRASHER, ED.D.
School of Forestry: A. W. BOLLE, D.P.A.
School of Journalism: N. B. BLUMBERG, PH.D.
School of Law: R. E. SULLIVAN, LL.B.
School of Pharmacy: R. L. VAN HORNE, PH.D.
Students: A. C. COGSWELL, M.A.

ASSOCIATED INSTITUTIONS:

Montana State University: Bozeman, Montana (*see above*).

Montana College of Mineral Science and Technology: Butte, Montana (*see above*).

Western Montana College: Dillon, Montana.
President: J. E. SHORT.

Eastern Montana College: Billings, Montana.
President: (Vacant).

Northern Montana College: Havre, Montana.
President: J. R. CROWLEY.

NEBRASKA

CHADRON STATE COLLEGE

CHADRON, NEBRASKA 69337

Telephone: 432-5571.

Founded 1911.

President: Dr. F. CLARK ELKINS.
Registrar: L. FITZGIBBON.
Librarian: Miss RETA KING.

The library contains 63,543 volumes.
Number of teachers: 63.
Number of students: 1,339.

CONCORDIA TEACHERS COLLEGE

800 NORTH COLUMBIA AVENUE, SEWARD, NEBRASKA 68435

Telephone: Area Code 402, 3351.

Founded 1894.

President: W. TH. JANZOW.
Registrar: Dr. WILLA KOENIG.
Director of Admissions: Prof. E. DUENSING.
Librarian: Prof. D. MEINKE.

The library contains 40,000 volumes.
Number of teachers: 90.
Number of students: 1,125.

CREIGHTON UNIVERSITY

OMAHA, NEBRASKA 68131

Telephone: 342-7400.

Founded 1878; Chartered 1879.
(Management: Society of Jesus.)

President: Very Rev. HENRY W. LINN, S.J., A.M., S.T.L., PH.D.
Vice-President for Academic Affairs: Rev. R. C. HARRINGTON, S.J., A.M., S.T.B., PH.D.
Vice-President for University Relations: Rev. C. M. REINERT, S.J., A.M., S.T.L.
Vice-President for Finance and Treasurer: Rev. T. H. MURPHY, S.J., A.M., LL.M.
Vice-President for Student Personnel: Rev. J. J. HALLORAN, S.J., A.M.
Business Manager: E. D. MURPHY, B.S.C.
Controller: W. R. JAHN, A.M., C.P.A.
Registrar: J. N. WILLIAMS, B.S.
Director of Libraries: Rev. J. P. KRAMPER, S.J., A.M.

The library contains 210,808 volumes.
Number of teachers: 538.
Number of students: 3,890.
Publications: *The Creighton University Bulletin, The Creightonian, P.S.—A Postscript to Education.*

DEANS:

Arts and Sciences: Rev. T. K. MCKENNEY, S.J., A.M.
Business Administration: I. L. HECKMANN, M.B.A., PH.D.
Dentistry: R. W. SHADDY, D.D.S.
Graduate: A. G. UMSCHEID, A.M., PH.D.
Law: J. A. DOYLE, PH.B., LL.B., LL.M.
Men: U. E. ROHR, B.S.
Medicine: R. L. EGAN, B.S.M., M.D.
Pharmacy: S. J. GRECO, B.S.P., PH.D.
Summer Session: Rev. T. K. MCKENNEY, S.J., A.M.
Women: EILEEN B. LIEBEN, A.M.

DANA COLLEGE

BLAIR, NEBRASKA 68008

Telephone: 426-3450.

Founded 1899.

President: Dr. C. CLIFFORD MADSEN.
Registrar: Dr. E. M. RASMUSSEN.
Librarian: Miss AAGOT HOIDAHL.

The library contains 30,000 volumes.
Number of teachers: 47.
Number of students: 670.

DOANE COLLEGE

CRETE, NEBRASKA

Telephone: Area Code 402, 826-2161.

Founded 1872.

President: DONALD M. TYPER.
Registrar: L. OLESON.
Librarian: KATHRYN BUCK.

The library contains 51,000 volumes.
Number of teachers: 37.
Number of students: 540.

DUCHESNE COLLEGE OF THE SACRED HEART

3600 BURT STREET, OMAHA, NEBRASKA 68131

Telephone: 558-3 800.

Founded 1881.

President: Mother CONSTANCE CAMPBELL.
Registrar: Mother LUCILLE JOHN.
Librarian: Mother GRACE CONNOLLY.

The library contains 31,000 volumes.
Number of teachers: 40.
Number of students: 365.

KEARNEY STATE COLLEGE

KEARNEY, NEBRASKA

Telephone: 237-5961.

Founded 1905.

President: MILTON J. HASSEL, PH.D.
Registrar: J. H. HORNER.
Librarian: B. A. THOMPSON.

The library contains 60,000 volumes.
Number of teachers: 175.
Number of students: 4,000 (approx.).

MIDLAND LUTHERAN COLLEGE

720 E. 9TH STREET, FREMONT, NEBRASKA 68025

Telephone: Area Code 402, 721-5480.

Founded 1887.

President: PAUL W. DIECKMAN.
Registrar: Miss MILDRED A. CATTERN.
Librarian: Miss VIVIAN A. PETERSON.

The library contains 50,000 volumes.
Number of teachers: 45.
Number of students: 694.

MUNICIPAL UNIVERSITY OF OMAHA

DOWNTOWN STATION, P.O. BOX 688, OMAHA, NEBRASKA 68101

Telephone: 553-4700.

Founded 1908.

President: LELAND E. TRAYWICK.
Registrar: V. SHARPE.
Director of Admissions: J. A. SCRIVEN.
Librarian: Miss ELLEN LORD.

The library contains 130,000 volumes.
Number of teachers: 230 full-time.
Number of students: 8,408.

NEBRASKA WESLEYAN UNIVERSITY

50TH AND ST. PAUL, LINCOLN, NEBRASKA 68504

Telephone: Area Code 402, 466-2371.

Founded 1887.

President: Dr. VANCE D. ROGERS.
Registrar: Mrs. IRENE WIEGERS.
Dean of Admissions: Dr. V. A. COLON.
Librarian: T. KNEEBONE.

The library contains 84,965 volumes.
Number of teachers: 81.
Number of students: 1,280.

PERU STATE COLLEGE

PERU, NEBRASKA 68421

Telephone: Area Code 402, 872-2811.

Founded 1867.

President: NEAL S. GOMON.
Registrar: F. H. LARSON.
Librarian: FAYE BRANDT.

The library contains 75,000 volumes.
Number of teachers: 68.
Number of students: 866.

UNION COLLEGE

3800 SOUTH 48TH STREET, LINCOLN, NEBRASKA 68506

Telephone: 488-2331.

Founded 1891.

President: RAY W. FOWLER.
Registrar: MARIE ANDERSON.
Librarian: FLODA SMITH.

The library contains 75,000 volumes.
Number of teachers: 77.
Number of students: 1,161.

UNIVERSITY OF NEBRASKA

LINCOLN, NEBRASKA 68508

Telephone: HE2-7631.

Founded 1869.

Chancellor: CLIFFORD HARDIN, PH.D., D.SC.

Vice-Chancellor and Dean of Faculties: A. C. BRECKENRIDGE, M.A., PH.D.

Vice-Chancellor for Business and Finance: J. SOSHNIK, M.S., PH.D.

Vice-Chancellor for Graduate and Professional Education and Research: R. G. HOLLY, M.D., PH.D.

Vice-Chancellor for Student Affairs: G. R. ROSS, M.S., PH.D.

Registrar: F. W. HOOVER, M.PH., PH.D.

Librarian: F. A. LUNDY, M.A.

Curator: C. B. SCHULTZ, M.SC., PH.D.

Business Manager: C. DONALDSON, M.SC.

Library: *see* Libraries.

Number of teachers: 823.

Number of students: 12,500.

Publications: *Nebraska Law Review, University of Nebraska Studies, News Research Bulletin, Prairie Schooner.*

DEANS:

Student Affairs: G. R. ROSS, PH.D.

Associate Dean of Women: HELEN SYNDER, M.A.

Associate Dean of Men: J. W. MARTIN, M.ED., ED.D.

College of Agriculture and Home Economics: E. F. FROLIK, M.SC., PH.D.

College of Arts and Sciences: W. E. MILITZER, PH.D.

College of Business Administration: C. S. MILLER, M.A., PH.D.

College of Dentistry: R. L. IRELAND, D.D.S.

College of Engineering: M. HOBSON, M.S., PH.D.

Graduate College: R. HOLLY, M.D., PH.D.

College of Law: D. DOW, J.D.

College of Medicine: J. P. TOLLMAN, B.SC., M.D.

College of Pharmacy: R. D. GIBSON, PH.D.

Junior Division: L. W. CHATFIELD, M.A.

Summer Session: F. E. SORENSEN, A.M., PH.D.

Teachers' College: W. K. BEGGS, M.A., PH.D.

PROFESSORS:

Agriculture:

ABEL, H., M.A., PH.D., Home Economics
ACKERSON, C. W., M.SC., PH.D., Agricultural Chemistry
ADAMS, J. L., PH.D., Poultry Husbandry
ALEXANDER, M. A., M.SC., Animal Husbandry
ALLINGTON, W. B., PH.D., Plant Pathology
ANTES, W. M., B.SC., Agricultural Extension
ANTHONY, HAZEL, M.S., ED.D., Home Economics
ARTHAUD, AGNES, M.S., Home Economics
BALL, H. J., M.S., PH.D., Entomology
BLUNN, C. T., M.SC., PH.D., Animal Husbandry
BOOSALIS, M. G., M.SC., PH.D., Botany
BORCHERS, R. L., M.SC., PH.D., Biochemistry
CROWE, L. K., PH.D., Dairy Husbandry
DALY, J. M., M.S., PH.D., Plant Pathology
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DREW, J. V., PH.D., Agronomy
EPPS, A. W., M.A., PH.D., Agricultural Economy
FOX, HAZEL M., M.S., PH.D., Food and Nutrition
FROLIK, E. F., PH.D., Agronomy
GRACE, O. D., D.V.M., M.S., Veterinary Science
GUYER, P. Q., M.A., PH.D., Animal Science
HANWAY, D. G., M.S., PH.D., Agronomy
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HURLBUT, L. W., M.SC., Agricultural Engineering
KELLY, P. L., PH.D., Dairy Husbandry
KOCH, R. M., M.SC., PH.D., Animal Husbandry
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MCCALLA, T. M., A.M., PH.D., Agronomy
MAXCY, R. B., M.SC., PH.D., Dairy Husbandry
MAZURAK, A. E., M.F., PH.D., Agronomy
MORRIS, M. ROSALIND, PH.D., Agronomy
NIBLER, C. W., M.A., Dairy Husbandry
NOYES, C. C., B.SC., Agricultural Extension
OLSON, E. A., B.S., Agricultural Engineering
OLSON, R. A., M.SC., Agronomy
OTTOSON, H. W., M.SC., PH.D., Agricultural Economy
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PETERSEN, G. M., M.S., Agricultural Engineering
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PLUM, M. M., M.S., PH.D., Dairy Science
ROSELLE, R. E., M.S., Entomology
SANDSTEDT, R. M., M.SC., Chemistry
SCHMIDT, J. W., M.S., PH.D., Agronomy
SCHUSTER, M. L., PH.D., Plant Pathology
SHAHANI, K. M., M.S., PH.D., Dairy Science
SKUCIUS, ELAINE, M.A., Home Economics
STEINBRUEGGE, G. W., M.SC., Agricultural Engineering
SWINBANK, J. C., M.SC., Agronomy
TWIEHAUS, M. J., M.S., Veterinary Science
WARD, A. B., M.A., ED.D., Vocational Education
WELDON, M. D., M.SC., PH.D., Agronomy
YOUNG, J. O., M.SC., PH.D., Horticulture

Arts and Sciences:

ANDERSON, A. T., PH.D., History
ARNOLD, W. J., M.A., PH.D., Psychology
BABCHUK, N., M.A., PH.D., Sociology
BAILEY, J. D., M.A., PH.D., English
BALDWIN, J. B., M.A., M.F.A., Speech and Dramatic Art
BASOCO, M. A., M.S., PH.D., Mathematics
BATES, A. P., M.A., PH.D., Sociology
BAUMGARTEN, H. E., PH.D., Chemistry
BOUWSMA, O. K., PH.D., Philosophy
BOWMAN, R. G., PH.D., Geography
BRECKENRIDGE, A. C., M.A., PH.D., Political Science
CRANFORD, R. J., A.M., PH.D., Journalism
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CROMWELL, N. H., PH.D., Chemistry
DEWEY, R. E., M.A., PH.D., Philosophy
DUDEK, F. J., M.A., PH.D., Psychology
DYSINGER, D. W., PH.D., Psychology
ENGELHARD, W. E., M.S., PH.D., Microbiology
ESQUENAZI-MAYO, R., D. EN L., Romance Languages
GANZ, D. B., M.MUS., PH.D., Music
GARNER, L. R., M.A., PH.D., English
GEORGI, C. E., PH.D., Bacteriology
GILLILAND, W. N., B.A., PH.D., Geology
GOLDHAMMER, P., A.B., PH.D., Physics
GRAY, G. W., History
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HAGGH, R. H., M.MUS., PH.D., Music
HALFAR, E., M.S., PH.D., Mathematics
HALL, W. E., A.M., PH.D., Journalism
HEWES, L., A.B., PH.D., Geography
HOGAN, W. N., M.A., PH.D., Political Science
HOIBERG, O. G., PH.D., Sociology
HOLDER, P., A.B., PH.D., Anthropology
HOLTZCLAW, H. F., PH.D., Chemistry
HOUGH, R. L., M.S., PH.D., English
HURLBUTT, R. H., III, M.A., PH.D., Philosophy
JACKSON, L. K., PH.D., Mathematics
JENKINS, E. F., M.MUS., Music
JORGENSEN, T., Jr., PH.D., Physics
KNOLL, R. E., M.A., PH.D., English
KOEHL, R. L., A.M., PH.D., History
LAASE, L. T., PH.D., Speech and Dramatic Art
LAGING, D. W., Art
LEAVITT, W. G., M.A., PH.D., Mathematics
LENTZ, D. A., Woodwind Instruments
LEVINE, D., PH.D., Psychology
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LOOKER, J. H., PH.D., Chemistry
MCCASHLAND, B. W., M.S., PH.D., Physiology
MILITZER, W. E., PH.D., Chemistry
MILLER, D. D., B.A., Zoology
OLSON, J. C., M.A., PH.D., History
OLSON, P. A., A.M., PH.D., English
PACE, D. M., PH.D., Physiology
PEARLSTEIN, E. A., D.S., Physics
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RAY, W. W., M.S., PH.D., Botany
REED, E. C., M.S., Geology
ROBERTS, M. J., B.MUS., M.SACRED MUS., Music
ROSEN, B. C., A.M., PH.D., Sociology
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Business Administration:

BOURNE, R. M., M.S., PH.D., Business Organisation and Management

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LARSON, R. E., PH.D., Actuarial Science
MCCONNELL, C. R., M.A., PH.D., Economics
MCVEY, P., M.B.A., PH.D., Business Organisation and Management
MILLER, C. S., Business Organisation and Management
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Dentistry:
IRELAND, R. L., D.D.S., M.SC., Pedodontics
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KNAPP, R. M., Oral Diagnosis and Treatment Planning
KRAMER, W. S., D.D.S., M.SC., Operative Dentistry
STEINACHER, R. H., D.D.S., Prosthodontics

Engineering and Architecture:
BARNARD, N. H., Mechanical Engineering
BLACKMAN, J. S., M.SC., Engineering Mechanics
ERNST, G. C., M.SC. IN C.E., Civil Engineering
GIBBS, D. L., M.ARCH., Architecture
HOBSON, M., PH.D., Chemical Engineering
HORSBRUGH, P., Architecture
HURLBUT, L. W., Agricultural Engineering
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LOWENBERG, E. C., M.S., PH.D., Electrical Engineering
LUDWICKSON, J. K., M.S. IN M.E., Mechanical Engineering
MARMO, E. J., Engineering Mechanics
SARPKAYA, T., M.S., PH.D., Engineering Mechanics
SMITH, G. M., M.S., Engineering Mechanics
SMITH, L. B., M.ARCH., Architecture
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SWIHART, G. R., M.S., Civil Engineering
TAO, L. C., M.S., PH.D., Chemical Engineering
WEBER, J. H., PH.D., Chemical Engineering
WOLFORD, J. C., M.S., PH.D., Engineering Mechanics
YOUNG, L. E., M.S., Engineering Mechanics

Law:
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BERGER, L., LL.B.
BROEDER, D. W., J.D.
DOW, D., J.D.
GRADWOHL, J. M., LL.M.
GRETHER, H. M., Jr., LL.M.
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Medicine:
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BENNETT, A. L., PH.D., M.D., Physiology and Pharmacology
ELLIOTT, H. C., M.A., PH.D., Anatomy
GIBBS, G. E., A.B., M.A., PH.D., M.D., Pædiatrics
GRISSOM, R. L., B.SC., M.D., Internal Medicine
HODGSON, P. E., M.D., Surgery
HOLLY, R. G., M.D., PH.D., Obstetrics
HOLYOKE, E. A., PH.D., M.D., Anatomy
JACOBI, H. P., M.SC., PH.D., Biochemistry
JONES, J. R., M.D., Surgery
LEMON, H. M., M.D., Internal Medicine
MCFADDEN, H. W., M.D., Microbiology
MCINTYRE, A. R., B.SC., PH.D., M.D., Physiology and Pharmacology
MCWHORTER, C. A., M.D., Pathology
MUSSELMAN, M. M., B.SC., M.D., Surgery
POTTHOFF, C. J., M.D., M.S. IN PH., Preventive Medicine and Public Health
ST. AUBIN, P. M. G., M.D., Radiology
WITTSON, C. L., B.SC., M.D., Neurology and Psychiatry

Pharmacy:
GIBSON, R. D., M.S., PH.D., Pharmacology
SMALL, LA V. D., M.SC., PH.D., Pharmacy and Pharmaceutical Chemistry

Teachers' College:
ASHTON, D., M.A., PH.D., Physical Education for Women
BALLER, W. R., A.M., PH.D., Educational Psychology and Measurements
BECKMANN, M. W., PH.D., Secondary Education
BEGGS, W. K., M.A., PH.D., History and Principles of Education
CHILDS, G. B., PH.D., Secondary Education
CHISHOLM, L. L., A.M., PH.D., School Administration
CULVER, G. F., M.S., ED.D., Secondary Education
ECKEL, C. H., M.A., ED.D., School Administration
GERKEN, C., PH.D., Educational Psychology
GOLDENSTEIN, E. H., PH.D., History
HALL, W. E., A.M., PH.D., Educational Psychology and Measurements
HAYES, D. K., ED.D., School Administration
HISKEY, M. S., M.SC., PH.D., Educational Psychology and Measurements
KNAPP, R. H., ED.D., History
KOPP, O. W., M.ED., ED.D., Elementary Education
MEIERHENRY, W. C., PH.D., School Administration
MIELENZ, MARY L., PH.D., Secondary Education
MORELAND, W. D., M.A., PH.D., Secondary Education
RUTLEDGE, J. A., PH.D., Secondary Education
SAYLOR, J. G., M.A., PH.D., Secondary Education
SORENSON, F. E., A.M., PH.D., School Administration and Secondary Education
STOKEMAN, M. A., A.M., PH.D., School Administration and Elementary Education
TEMPERO, H. E., M.S., PH.D., Educational Psychology and Measurements
THORPE, N. F., M.A., PH.D., Secondary Education

THE UNIVERSITY OF OMAHA

OMAHA, NEBRASKA

Founded 1908.

President: LELAND E. TRAYWICK, PH.D.
Dean of Administration: K. E. NAYLOR, ED.D.
Registrar: V. V. SHARPE, B.A.
Librarian: ELLEN LORD, B.A.L.S.

Number of teachers: 210.
Number of students: Day: 5,737 men, 2,671 women, total 8,408; Night: 2,334 men, 1,040 women, total 3,374.

Publications: *Gateway* (weekly), *Tomahawk* (Yearbook), *Student Directory, Catalogue* (biennial).

DEANS:

Student Personnel: D. J. PFLASTERER, M.ED.
College of Arts and Sciences: Dr. R. HARPER.
College of Applied Arts and Sciences: Dr. C. W. HELMSTADTER.
College of Education: Dr. F. H. GORMAN.
College of Adult Education: W. T. UTLEY, M.A.
College of Business Administration: J. W. LUCAS, M.A.
College of Graduate Studies: Dr. G. R. RACHFORD.

WAYNE STATE COLLEGE

WAYNE, NEBRASKA 68787

Telephone: Area Code 402, 375-2200.

Founded 1910.

President: WILLIAM A. BRANDENBURG.
Registrar: S. E. WILLS.
Librarian: Y. K. KESSLER.

The library contains 70,000 volumes.
Number of teachers: 110.
Number of students: 2,450.

NEVADA

UNIVERSITY OF NEVADA

RENO, NEVADA

Southern Regional Division, Las Vegas, Nevada.

Telephone: Reno, 323-2081.

Founded 1874.

President: CHARLES J. ARMSTRONG, PH.D., LL.D., LITT.D.
Chancellor: (Vacant).
Vice-President for Finance: N. D. HUMPHREY, M.S.
Registrar: J. H. SHIRLEY, D.ED.
Librarian: D. W. HERON, M.A.

The library contains 200,000 volumes.
Number of teachers: 489.
Number of students: 6,670.

Publications: *Regent's Biennial Report, University Catalogue, Summer Sessions Bulletin, Correspondence Studies Bulletin, Scholarships and Prizes.*

DEANS:

College of Arts and Sciences: R. A. IRWIN, PH.D.
Southern Regional Division: W. D. CARLSON, PH.D.
Statewide Services: J. P. KELLY, PH.D.
College of Education: E. J. CAIN, ED.D.
College of Engineering: J. T. ANDERSON, PH.D.
Graduate School: T. D. O'BRIEN, PH.D.
Mackay School of Mines: V. E. SCHEID, PH.D.
College of Agriculture: D. W. BOHMONT, PH.D.
Student Affairs: S. M. BASTA, ED.D.
Women: ELAINE MOBLEY, M.A.

College of Business Administration: R. C. WEEMS, Jr., PH.D.
Orvis School of Nursing: MARJORIE J. ELMORE, ED.D.

NEW HAMPSHIRE

DARTMOUTH COLLEGE
HANOVER, NEW HAMPSHIRE
Founded 1769.

President: JOHN S. DICKEY, A.B., LL.D
Provost: J. W. MASLAND, PH.D.
Secretary: J. M. MCGEAN, A.B. (acting).
Registrar: R. ROBINSON, PH.D.
Librarian: R. W. MORIN, A.B., LL.B.

Number of teachers: 415, including 145 professors.
Number of students: 3,504 men only.

DEANS:

College: T. SEYMOUR, PH.D.
Faculty: L. M. RIESER, Jr., PH.D.
Freshmen: A. I. DICKERSON, A.M., A.B.
Medical School: (Vacant).
Thayer School of Engineering: M. TRIBUS, PH.D.
Amos Tuck School of Business Administration: K. A. HILL, M.C.S.
Admissions: E. T. CHAMBERLAIN, Jr., A.M. (Director).

KEENE STATE COLLEGE
229 MAIN STREET, KEENE, NEW HAMPSHIRE 03431
Telephone: 352-1310.
Founded 1909.

President: ROMAN J. ZORN.
Registrar: Mrs. ELEANOR BETZ.
Dean of Admissions: J. J. CUNNINGHAM.
Librarian: Miss MARION GOODWIN.

The library contains 39,000 volumes.
Number of teachers: 73.
Number of students: 1,425.

MOUNT SAINT MARY COLLEGE
HOOKSETT, NEW HAMPSHIRE
Telephone: Area Code 603, 485-9536.
Founded 1934.

President: Sister MARY VIANNEY, R.S.M.
Registrar: Dr. JACQUELINE F. MARA.
Librarian: Sister MARY DANIEL, R.S.M.

The library contains 23,550 volumes.
Number of teachers: 40.
Number of students: 300.

PLYMOUTH STATE COLLEGE
PLYMOUTH, NEW HAMPSHIRE
Telephone: 603-536-1550.
Founded 1870.

President: HAROLD E. HYDE.
Director of Admissions: W. TELEK.
Librarian: (Vacant).

The library contains 30,000 volumes.
Number of teachers: 70.
Number of students: 1,175.

RIVIER COLLEGE
NASHUA, NEW HAMPSHIRE
Telephone: 883-3992.
Founded 1933.

President: Sister CLARICE DE ST. MARIE, P.M., PH.D.
Registrar: Sister M. CLARISSE DU SACRE-COEUR, P.M., M.ED.
Librarian: Sister ALBINA-MARIE, P.M., M.S. IN L.S.

The library contains 45,000 volumes.
Number of teachers: 30 full-time, 11 part-time.
Number of students: 430 full-time, 180 part-time.

SAINT ANSELM'S COLLEGE
SAINT ANSELM'S ABBEY, MANCHESTER, NEW HAMPSHIRE 03102
Telephone: NA 669-1030.
Founded 1889.

President: Rev. PLACIDUS H. RILEY, O.S.B.
Registrar: Rev. STEPHEN PARENT, O.S.B.
Librarian: Rev. J. DEE, O.S.B.

The library contains 60,000 volumes.
Number of teachers: 88 full-time, 14 part-time.
Number of students: 1,200.

UNIVERSITY OF NEW HAMPSHIRE
DURHAM, NEW HAMPSHIRE
Telephone: University 868-5511.
Founded 1866 as New Hampshire College of Agriculture and the Mechanic Arts; became university in 1923.

President: JOHN W. MCCONNELL, PH.D., D.SC.
Executive Vice-President: J. A. CHASE, M.ED.
Registrar: O. B. DURGIN, M.A.
Librarian: D. E. VINCENT, A.M.L.S., A.M.

The library contains 375,000 volumes.
Number of teachers: 359.
Number of students: 2,971 men, 1,994 women, total 4,965.
Publication: *Bulletin*.

DEANS:

College of Agriculture: H. A. KEENER, M.S., PH.D.
College of Liberal Arts: E. B. SACKETT, M.A., PH.D.
College of Technology: R N FAIMAN, M.S.E.E., PH.D.
Graduate School: (Vacant).
The Whittemore School of Business and Economics: R. F. BARLOW, M.A., PH.D.
Students: C. R. KEESEY, B.A.

NEW JERSEY

BLOOMFIELD COLLEGE AND SEMINARY
467 FRANKLIN STREET, BLOOMFIELD, NEW JERSEY
Telephone: (201) 748-4100.
Founded 1868.

President: Rev. THEODORE A. RATH, D.D.
Registrar: J. A. MULLER.
Librarian: W. I. BUNNELL.

The library contains 30,000 volumes.
Number of teachers: 75.
Number of students: 1,250.

COLLEGE OF SAINT ELIZABETH
CONVENT STATION, NEW JERSEY
Telephone: 539-1600.
Founded 1899.

President: Sister HILDEGARDE MARIE.
Director of Admissions: Sister LUCILLE ANNE.
Librarian: Sister FRANCIS CHARLES.

The library contains 58,775 volumes.
Number of teachers: 87.
Number of students: 944.

DREW UNIVERSITY
MADISON, NEW JERSEY
Telephone: 201 FR 73000.
Founded 1866.

President: ROBERT F. OXNAM.
Vice-President: J. L. PEPIN.
Registrar: B. S. JOHNSON.
Treasurer: J. L. PEPIN.
Librarian: A. E. JONES, Jr.

Number of teachers: 113.
Number of students: 1,386.
Publication: *The Drew Gateway*.

DEANS:

College of Liberal Arts: R. J. STONESIFER
Theological School: C. W. RANSON.
Graduate School: S. R. HOPPER.

FAIRLEIGH DICKINSON UNIVERSITY
RUTHERFORD, NEW JERSEY
Founded 1941.

President: Dr. PETER SAMMARTINO.
Academic Vice-President: Dr. C. R. DECKER.
Librarian: HELEN STEWART.

Number of teachers: 806.
Number of students: 14,302.
Publications: *The Literary Review* (quarterly), *Castlelight* (yearbook), *The Bulletin* (weekly), *The Clearing House* (monthly), *The Business Review, Now.*

DEANS:

College of Business Administration: Dr. H. FELDMAN.
College of Engineering and Science: H. ROTHBART.
College of Liberal Arts: Dr. L. HABERLY.
College of Education: Dr. F. IRWIN.

Graduate School: Dr. H. A. Sprague.
School of Dentistry: Dr. W. A. Wilson.

The University also has Campuses at Rutherford, N.J., Teaneck, N.J., and Madison, N.J.

GLASSBORO STATE COLLEGE

GLASSBORO, NEW JERSEY

Telephone: 881-8400.

Founded 1923.

President: Dr. Thomas E. Robinson.
Registrar: R. Salati.
Librarian: H. W. Thompson.

The library contains 80,000 volumes.
Number of teachers: 213.
Number of students: 3,150 full-time, 3,000 part-time.

INSTITUTE FOR ADVANCED STUDY

PRINCETON, NEW JERSEY

Founded 1930 by Mr. Louis Bamberger and Mrs. Felix Fuld, and endowed for post-doctoral research in the fields of mathematics and mathematical physics, and historical studies.

President of the Corporation: Lewis L. Strauss.
Chairman of the Board of Trustees: S. D. Leidesdorf.
Director: R. Oppenheimer.
Secretary: Ira A. Schur.
Librarian: Judith E. Sachs.

The library contains 50,000 volumes.
Permanent Members 30; about 100 temporary memberships are offered annually.
Publications (jointly with Princeton University): *Annals of Mathematics, Annals of Mathematics Studies, Princeton Mathematical Series.*

Faculty:

School of Historical Studies:
Alföldi, A.
Cherniss, H. F.
Gilbert, F.
Kantorowicz, E.
Kennan, G. F.
Meiss, M.
Meritt, B. D.
Thompson, H. A.

School of Mathematics:
Beurling, A.
Borel, A.
Dyson, F. J.
Gödel, K.
Harish-Chandra.
Montgomery, D.
Oppenheimer, R.
Selberg, A.
Strömgren, B.
Weil, A.
Whitney, H.
Yang, C. N.

JERSEY CITY STATE COLLEGE

2039 KENNEDY BOULEVARD, JERSEY CITY, NEW JERSEY 07305

Telephone: Area Code 201, 432-6000.

Founded 1927.

President: Dr. Michael B. Gilligan.
Registrar: T. B. Robinson.
Director of Admissions: W. J. Henry.
Chairman of Department of Library Services: J. Sherman.

The library contains 72,000 volumes.
Number of teachers: 245.
Number of students: 2,292.

MONTCLAIR STATE COLLEGE

UPPER MONTCLAIR, NEW JERSEY 07043

Telephone: (201) 746-9500.

Founded 1908.

President: Thomas H. Richardson.
Director of Admissions: G. King.
Librarian: W. Williamson.

The library contains 100,000 volumes
Number of teachers: 240.
Number of students: 5,400.

NEWARK COLLEGE OF ENGINEERING

323 HIGH STREET, NEWARK 2, NEW JERSEY

Founded 1881.

President: Robert W. Van Houten, C.E., Sc.D., D.Eng., Litt.D., D.Sc.
Vice-President: W. Hazell, Jr., M.Eng.Ed., Litt.D.

Number of teachers: 240, including 55 professors.
Number of students: 4,550.
Publications: *Bulletins, Programmes.*

Heads of Departments:

Industrial and Management Engineering: O. J. Sizelove, M.Ad.Eng.
Industrial Relations: R. E. Kiehl, M.A. Ed.D.
Civil Engineering: W. S. LaLonde, Jr., M.S.
Chemical Engineering: J. Joffe, M.A., Ph.D.
Electrical Engineering: F. A. Russell, E.E., M.S., Engr.Sc.D.
Mechanical Engineering: G. B. Thom, M.E., M.S., M.A.
Engineering Graphics: F. J. Burns, M.A.
Chemistry: M. L. Brahin, A.M., Ph.D.
English and Humanistic Studies: S. K. Workman, M.A., Ph.D.
Mathematics: H. Zatzkis, M.S., Ph.D.
Physics and Mechanics: P. O. Hoffmann, A.M., Ph.D.
Air Science: Lt.-Col. J. A. Mackenzie, B.S.

NEWARK STATE COLLEGE

UNION, NEW JERSEY

Telephone: 289-4500.

Founded 1855.

President: Dr. Eugene G. Wilkins.
Registrar: W. P. Daniels.
Librarian: J. W. Rendell.

The library contains 71,820 volumes.
Number of teachers: 300.
Number of students: 6,200.

PATERSON STATE COLLEGE

300 POMPTON ROAD, WAYNE, NEW JERSEY

Telephone: 278-1700.

Founded 1855.

President: Dr. Marion E. Shea.
Registrar: Dr. S. R. Cooper.
Librarian: Miss Juliette Trainor.

The library contains 75,000 volumes.
Number of teachers: 185.
Number of students: 2,500.

PRINCETON UNIVERSITY

PRINCETON, NEW JERSEY

Telephone: 452-3000.
Telegraphic Address: Princeton, N.J.

Founded 1746 as the College of New Jersey, became Princeton University 1896.

President: Robert F. Goheen, Ph.D., Litt.D., LL.D.
Vice-President and Financial Treasurer: R. A. Mestres, A.B.
Secretary: A. Leitch, A.B.
Business Manager: R. L. Johnstone, B.S.E.
Controller: W. M. Young, B.S., C.P.A.
Registrar: H. W. Stepp.
Librarian: W. S. Dix, Ph.D.

Library: *see* Libraries.
Number of teachers: 631 full-time.
Number of students: 3,177 undergraduates and 1,180 graduates.

Deans:

Faculty: J. D. Brown, Ph.D., Litt.D., L.H.D., LL.D.
College: J. M. Knapp, M.A. (Music).
Students: W. D'O. Lippincott, A.B.
Graduate School: C. S. Pittendrigh, Ph.D.
University Chapel: E. Gordon, B.D., S.T.M.
School of Engineering and Applied Science: J. C. Elgin, Ph.D., C.E.
Director of Admission: E. A. Dunham, Ph.D.
Woodrow Wilson School of Public and International Affairs: M. H. Bernstein, Ph.D.
School of Architecture: R. L. Geddes, B.Arch.

Directors:

Observatory: L. Spitzer, Jr., Ph.D.
Industrial Relations Section: F. H. Harbison, Ph.D.
Art Museum: P. J. Kelleher, Ph.D.
Index of Christian Art: Rosalie B. Green, Ph.D.
International Finance Section: F. Machlup, Ph.D.
Center of International Studies: K. Knorr, Ph.D., LL.B.
Bureau of Urban Research: G. W. Breese, Ph.D.
University Research Board: H. DeW. Smyth, Ph.D. (Chairman).
University Health Services: W. Dalrymple, M.D.
Office of Population Research: A. J. Coale, Ph.D.

Econometric Research Program: O. MORGENSTERN, DR.RER.POL.

PROFESSORS:

AHERN, T. J., U.S.M.C., B.A., Naval Science
ALYEA, H. N., PH.D., Chemistry
ASHBY, P. H., PH.D., Religion
ATKINS, S. D., PH.D., Classics
AXTMANN, R. C., PH.D., Geological Engineering
BABBITT, M. B., M.F.A., Music
BAKER, C. H., PH.D., Literature
BARGMANN, V., PH.D., Mathematics-Physics
BATES, B. W., PH.D., Romance Languages
BAUMOL, W. J., PH.D., Economics
BEANEY, W. M., LL.B., PH.D., Politics
BENTLEY, G. E., PH.D., LITT.D., English Literature
BERGER, M., PH.D., Sociology
BERNSTEIN, M. H., PH.D., Politics
BILLINGTON, D. P., B.SE., Civil Engineering
BILLINGTON, J. H., D.LIT., History
BLACK, C. E., PH.D., History
BLEAKNEY, W., PH.D., Physics
BLUM, H. F., PH.D., Biology (visiting)
BLUM, J., PH.D., History
BOCHNER, S., PH.D., Mathematics
BOGDONOFF, S. M., M.S., Aeronautical Engineering
BONNER, J. T., PH.D., Biology
BORGERHOFF, E. B. O. E., PH.D., Romance Languages
BOWEN, W. G., PH.D., Economics
BOYD, J. P., A.M., LITT.D., L.H.D., History
BREESE, G. W., PH.D., Sociology
BRESSLER, M., PH.D., Sociology
BROWDER, W., PH.D., Mathematics
BROWN, G. E., PH.D., Physics
BROWN, J. D., PH.D., LITT.D., L.H.D., LL.D., Economics
BURGI, R. T., PH.D., Slavic Languages
BUTLER, E. G., PH.D., SC.D., Zoology
CHALLENER, R. D., PH.D., History
CHANDLER, L. V., PH.D., Economics
CHASE, A. M., Jr., PH.D., Biology
CHAUNCEY, H., D.SC., Psychology (visiting)
CH'EN, K. S., PH.D., Religion
CHENG, S. I., PH.D., Aeronautical Engineering
CHERNISS, H. F., PH.D., D.H.L., Classics (visiting)
CHILDS, H. L., PH.D., Politics
CHURCH, A., PH.D., Mathematics
COALE, A. J., PH.D., Economics
COFFIN, D. R., M.F.A., PH.D., Art and Archæology
CONE, E. T., M.F.A., Music
CORSON, J. J., PH.D., Public and International Affairs
CRAVEN, W. F., PH.D., American History
CROCCO, L., PH.D., Aeronautical Engineering
CRONIN, J. W., PH.D., Physics
DAVIES, H., PH.D., D.D., Religion
DEWIEST, R. J. M., PH.D., Geological Engineering
DICKE, R. H., PH.D., Physics
DILLIARD, I., A.M., LITT.D., L.H.D., Journalism and Public Relations
DILLON, J. H., PH.D., SC.D., F.T.I., Chemistry (visiting)
DJAPARIDZE, D., PH.D., Slavic Languages
DORF, E., PH.D., Geology
DOWNER, A. S., A.M., English
DRAKE, R. M., PH.D., Mechanical Engineering
DUCKWORTH, G. E., PH.D., Latin
DWORK, B. M., PH.D., Mathematics
ECKSTEIN, H. H., PH.D., Politics
EGBERT, D. D., M.F.A., Art and Archæology
EGGER, R. A., PH.D., LL.D., Politics and Public Affairs
ELGIN, J. C., PH.D., Chemical Engineering
ELSASSER, W. M., PH.D., Geophysics
FALK, R. A., PH.D., International Law
FANKHAUSER, G., PH.D., Biology
FELLER, W., PH.D., Mathematics
FENN, J. B., PH.D., Aerospace Sciences
FINCH, J. S., PH.D., English
FINE, J. VAN A., PH.D., Greek Languages and Literature
FISCHER, A. G., PH.D., Geology
FITCH, V. L., PH.D., Physics
FOULET, A. L., PH.D., Romance Languages
FOX, R. H., PH.D., Mathematics
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FRIEMAN, E. A., PH.D., Astrophysical Science
GELDARD, F. A., PH.D., Psychology
GILLISPIE, C. C., PH.D., History of Science
GILVARG, C., PH.D., Chemistry
GLASSMAN, I., D.ENG., Aerospace Sciences
GODOLPHIN, F. R. B., PH.D., Latin
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GOLDBERGER, M. L., PH.D., Physics
GOLDMAN, E. F., PH.D., History
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HAYES, W. D., PH.D., Aerospace Sciences
HAZEN, D. C., M.S.E., Aeronautical Engineering
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HEMPEL, C. G., PH.D., Philosophy
HESS, H. H., PH.D., Geology
HOOG, A., AG. DE L'UNIV., French Literature
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HORNIG, D. F., PH.D., Chemistry
HOWELL, W. S., PH.D., Rhetoric and Oratory
HUBLER, E. L., PH.D., English
JACOBS, W. P., PH.D., Biology
JANDL, H. A., M.F.A., Architecture
JANSEN, M. B., PH.D., History
JEPSEN, G. L., PH.D., Vertebrate Palæontology
JOHNSON, E. D. H., PH.D., English
JOHNSON, E. F., PH.D., Chemical Engineering
JOHNSON, F. H., PH.D., Biology
JOHNSON, W. C., E.E., Electrical Engineering
JUDSON, S., PH.D., Geology
KAUFMANN, W. F., PH.D., Philosophy
KAUZMANN, W. J., PH.D., Chemistry
KELLEHER, P. J., PH.D., Art and Archæology
KELLEY, M., PH.D., English
KELLEY, S., PH.D., Politics
KENDALL, E. C., PH.D., D.SC., Chemistry (visiting)
KENNAN, G., LL.D., History and International Affairs
KENNEDY, J. L., PH.D., Psychology
KISSAM, P., C.E., Civil Engineering
KNAPP, J. M., M.A., Music
KNORR, K. E., LL.B., PH.D., Economics
KRUSKAL, M. D., PH.D., Astrophysical Sciences
KUHN, H. W., PH.D., Mathematical Economics
KUHN, T. S., A.D., History of Science
LABATUT, J., L. DE I.F., Architecture
LANDA, L. A., PH.D., English
LANGE, H. W. V., PH.D., Germanic Languages
LAPIDUS, L., PH.D., Chemical Engineering
LEE, R. W., PH.D., Art and Archæology
LEMONICK, A., PH.D., Physics
LESTER, R. A., PH.D., Economics
LEVY, MARION J., Jr., PH.D., Sociology
LEWIS, W. A., PH.D., Economics
LINK, A. S., PH.D., History
LLORENS-CASTILLO, V., LIC.F.L., Romance Languages
LO, A. W., PH.D., Electrical Engineering
LOCKARD, W. D., PH.D., Politics
LOCKWOOD, W. W., PH.D., Public and International Affairs
MACALLISTER, A. T., Jr., PH.D., Italian
MACHLUP, F., PH.D., Economics and International Financing
MCCLUSKEY, E. J., Jr., M.S., SC.D., Electrical Engineering
MARKHAM, J. W., PH.D., Economics
MARKWARDT, A. H., PH.D., English and Linguistics
MARTIN, J. R., M.F.A., PH.D., Art and Archæology
MASON, A. T., PH.D., LITT.D., Jurisprudence
MATHER, N. W., M.S., Electrical Engineering
MAXWELL, J. C., PH.D., Geology
MAYER, A. J., PH.D., History
MEISS, M., PH.D., Art and Archæology (visiting)
MENDEL, A., A.B., Music
MERITT, B. D., PH.D., LITT.D., LL.D., D.LITT., F.B.A., Classics (visiting)
MILNOR, J. W., PH.D., Mathematics
MISLOW, K., PH.D., Chemistry
MOORE, W. E., PH.D., Sociology
MORGENSTERN, O., DR. RER. POL., Political Economy
MOTE, F. W., PH.D., Oriental Studies
MOULTON, W. G., PH.D., Germanic Languages
MURPHY, W. F., PH.D., Politics
MUSGRAVE, R. A., PH.D., Economics and Public Affairs
NELSON, E., PH.D., Mathematics
OATES, W. J., PH.D., Classics
O'NEILL, G. K., PH.D., Physics
PANOFSKY, E., PH.D., Art and Archæology (visiting)
PARDEE, A. B., PH.D., Biochemistry
PARPART, A. K., PH.D., Biology
PATTERSON, G., PH.D., Economics
PERKINS, C. D., M.S. IN A.E., Aeronautical Engineering
PITTENDRIGH, C. S., PH.D., Biology
POST, G., PH.D., History
QUANDT, R. E., PH.D., Economics
RAMSEY, R. P., PH.D., Religion
REYNOLDS, G. T., PH.D., Physics
ROBERTSON, D. W., Jr., PH.D., English
ROGERS, E. M., M.A., Physics
ROGERS, Lt.-Col. R. C., M.A., U.S.A.F., Air Science
SCHLEYER, P. VON R., Chemistry
SCHWARZSCHILD, M., PH.D., Astronomy
SCOTT, R. B. Y., B.D., PH.D., D.D., F.R.S.C., Religion
SECKEL, E., M.S.E., Aeronautical Engineering
SESSIONS, R. H., A.B., MUS.B., Music
SHERR, R., PH.D., Physics
SHIMADA, S., M.A., Art and Archæology (visiting)
SHIMURA, G., SC.D., Mathematics
SHOEMAKER, F. C., PH.D., Physics
SJOQVIST, E., PH.D., Classical Archæology
SMITH, J. W., PH.D., Philosophy
SMOLUCHOWSKI, R., PH.D., Solid State Sciences
SMYTH, H. DE W., PH.D., Physics
SOLLENBERGER, N. J., M.S., Civil Engineering
SOMERS, H. M., PH.D., Politics
SPITZER, L., Jr., PH.D., Astrophysical Sciences
SPROUT, H., PH.D., Geography and International Relations
STEENROD, N. E., PH.D., Mathematics
STEIN, E. M., PH.D., Mathematics
STEIN, H., PH.D., Public and International Affairs
STEIN, S. J., PH.D., History
STEPHAN, F. F., A.M., Social Services
STILLWELL, R., M.F.A., Art and Archæology
STIX, T. H., PH.D., Astrophysical Sciences
STONE, L., M.A., History

STRAYER, J. R., PH.D., History
STRÖMGREN, B., PH.D., Astronomy (visiting)
STRUNK, O., LITT.D., Music
SUEOKA, N., PH.D., Biology
SULLIVAN, E. D., PH.D., French
SUMMERFIELD, M., PH.D., Aeronautical Engineering
SUPPIGER, E. W., PH.D., Mechanics
SURBER, W. H., Jr., PH.D., Electrical Engineering
TAYLOR, E. C., PH.D., Chemistry
THOMAS, G. F., PH.D., Religion
THOMAS, J. B., PH.D., Electrical Engineering
THOMAS, L. V., PH.D., Oriental Studies
THOMPSON, H. A., PH.D., LL.D., Classics (visiting)
THOMPSON, L. R., PH.D., English
THORP, J., PH.D., English
THORP, W., PH.D., LITT.D., Belles Lettres
TOBOLSKY, A. V., PH.D., Chemistry
TOMKINS, S. S., PH.D., Psychology
TRABNE, Col. W., B.S., Military School
TREIMAN, S. B., PH.D., Physics
TSCHEBOTARIOFF, G. P., DR. ING., Civil Engineering
TUCKER, A. W., PH.D., Mathematics
TUCKER, R. C., PH.D., Politics
TUKEY, J. W., PH.D., Mathematics
TUMIN, M. M., PH.D., Sociology
TURKEVICH, J., PH.D., Chemistry
VAN HOUTEN, F. B., PH.D., Geology
VERNON, J. A., PH.D., Psychology
VLASTOS, G., B.D., PH.D., D.D., Philosophy
WALLIS, E. S., PH.D., D.SC., Organic Chemistry
WASHNITZER, G., PH.D., Mathematics
WEINRICH, C., A.B., Music
WEITZMANN, K., PH.D., Art and Archæology
WESTOFF, C. F., PH.D., Sociology
WEVER, E. G., PH.D., Psychology
WHEELER, J. A., PH.D., Physics
WHITE, M. G., PH.D., Physics
WHITWELL, J. C., CH.E., Chemical Engineering
WIGHTMAN, A. S., PH.D., Mathematical Physics
WIGNER, E. P., DR.ING., D.SC., Mathematical Physics
WILHELM, R. H., PH.D., Chemical Engineering
WILLIS, R. S., PH.D., Spanish
WILSON, H. H., PH.D., Politics
WINTERKORN, H. F., DR.PHIL.NAT., Civil Engineering
WOOD, L., PH.D., Philosophy
YOUNG, F. W., B.D., PH.D., Religion
YOUNG, T. C., TH.B., M.A., Persian Language and History
ZIOLKOWSKI, T. J., PH.D., Germanic Languages

RIDER COLLEGE

P.O. BOX 298,
TRENTON, NEW JERSEY 08602
Telephone: Area Code 609, 896-0800.

Founded 1865.

President: Dr. FRANKLIN F. MOORE.
Director of Admissions: R. K. ERICSON.
Librarian: T. EPSTEIN.

The library contains 80,000 volumes.
Number of teachers: 181.
Number of students: 3,450.

RUTGERS UNIVERSITY

NEW BRUNSWICK, NEWARK, AND CAMDEN, NEW JERSEY

Founded as Queen's College by Royal Charter 1766, name changed to Rutgers College 1825, Rutgers University 1924. Designated by legislature as State University of New Jersey 1945.

President: MASON W. GROSS, PH.D., LL.D.
Provost and Vice-President: R. SCHLATTER, D.PHIL.
Vice-President and Treasurer: J. L. SWINK, M.B.A.
Vice-Provost: A. E. MEDER, Jr., LL.D.
Registrar: W. E. ZINGG, A.M.
Secretary: K. E. METZGER, ED.M.
Director of Admissions: G. A. KRAMER, ED.D.
Director of Public Relations: W. S. MORELAND, B.SC.
Librarian: D. F. CAMERON, A.M., LITT.D.

The library contains 1,100,000 volumes.

Number of teachers: 1,469.
Number of resident (full-time) students, not including Summer Session students: 11,092 (grant total of students 20,572).
Publications: *Rutgers Law Review, Rutgers Daily Targum, Caellian.*

DEANS:

College of Arts and Sciences: H. G. OWEN, ED.D.
College of Agriculture: L. J. MERRILL, Jr., PH.D.
College of Engineering: E. C. EASTON, SC.D.
School of Education: H. C. HERGE, ED.D.
Douglass College (for Women): RUTH M. ADAMS, PH.D.
College of Pharmacy: R. A. BOWERS, PH.D.
Newark College of Arts and Sciences: H. P. WOODWARD, PH.D.
School of Business Administration: G. R. ESTERLY, M.B.A.
School of Law: C. W. HECKEL, A.M., LL.B.
University College: E. E. MCMAHON, ED.M., PH.D.
Student Affairs: E. W. CLIFFORD, A.M.
Graduate School: MARION A. JOHNSON, PH.D.
Students, Douglass College (for Women): MARJORIE M. TRAYES, A.M.
College of South Jersey: W. L. HALL, M.B.A.
Students, The Newark Colleges: I. PAWA, M.A.

ST. PETER'S COLLEGE

KENNEDY BLVD., JERSEY CITY, NEW JERSEY 07306
Telephone: Area Code 201, 333-4400.

Founded 1872.

President: LEO MCLAUGHLIN, S.J.
Registrar: Miss JOAN DOHERTY.
Dean of Admissions: R. NILAN.
Librarian: E. F. X. IVERS, S.J.

The library contains 79,950 volumes.
Number of teachers: 107 full-time, 57 part-time.
Number of students: 1,645 day, 1,084 evening.

SETON HALL UNIVERSITY

SOUTH ORANGE, NEW JERSEY

Founded 1856.

President: Rt. Rev. Msgr. JOHN J. DOUGHERTY, S.S.D.
Vice-Presidents: Rev. T. G. FAHY, PH.D. (Instruction), A. D. DONOVAN, PH.D. (Student Personnel Services), R. J. DEVALUE, B.S. (Business).
Executive Vice-President: Rev. E. J. FLEMING, PH.D.
Secretary: Very Rev. Msgr. T. J. GILLHOOLY, M.A.
University Librarian: Very Rev. Msgr. W. N. FIELD, M.L.S.

Number of teachers: 487.
Number of students: 6,516 men, 2,302 women, total 8,818.
Publications: *The Bayley Review, The Setonian, The Galleon* (year book), *The Hallmark* (Alumni), *Seton Hall Reports.*

DEANS:

University College: J. E. O'BRIEN, PH.D.
College of Arts and Sciences: Rev. A. HAKIM, PH.D.
School of Education: J. H. CALLAN.
School of Nursing: MARGARET C. HALEY, R.N., B.S., A.M.
School of Business Administration: R. SENKIER, ED.D.
Studies of the School of Law: J. P. LOFTUS, LL.B.
Men: Rev. R. A. ANTCZAK, B.A. (acting).
Women: AMELIA L. KLEPP, M.B.A.

STEVENS INSTITUTE OF TECHNOLOGY

HOBOKEN, NEW JERSEY

Founded 1870.

President: JESS H. DAVIS.
Business Manager: F. Q. LANE.
Dean of Faculty: L. L. MERRILL.
Dean of Graduate Studies: R. A. MORGEN.
Dean of Students and Admissions: C. R. WELLHAUSEN.
Executive Secretary: N. H. MEMORY.
Librarian: FRANCES I. DUCK.

The library contains 42,547 volumes.
Number of teachers: 150.
Number of students: 2,170.
Publication: *The Indicator.*

TRENTON STATE COLLEGE

TRENTON, NEW JERSEY 08625

Founded in 1855.

President: WARREN G. HILL, ED.D., L.H.D., D.SC.
Dean of the College: J. J. FORCINA, ED.D.
Dean of Students: M. W. PRUITT, ED.D.
Registrar: J. M. ORR, M.A.
Librarian: F. E. HIRSCH, PH.D.

The library contains 130,000 volumes.
Number of teachers: 245.
Number of students: 3,000 full-time, 4,000 part-time.

UPSALA COLLEGE
EAST ORANGE, NEW JERSEY
Telephone: 201-672-5300.
Founded 1893.

President: EVALD B. LAWSON, TH.D.
Registrar: Prof. G. P. CARLSON.
Librarian: Prof. MIRIAM GROSH.

The library contains 87,000 volumes.
Number of teachers: 86 full-time.
Number of students: 1,500.

NEW MEXICO

COLLEGE OF ST. JOSEPH ON THE RIO GRANDE
ST. JOSEPH PLACE N.W., ALBUQUERQUE, NEW MEXICO
Telephone: 243-3527.
Founded 1940.

President: Sister M. VIATORA SCHULLER.
Registrar: Sister M. CATHARINE ANN BINTNER.
Librarian: Sister M. PAULINIA ALTEPETER.

The library contains 38,000 volumes.
Number of teachers: 68.
Number of students: 950.

EASTERN NEW MEXICO UNIVERSITY
PORTALES, NEW MEXICO
Telephone: 356-6631.
Founded 1934.

President: Dr. CHARLES W. MEISTER.
Registrar: Miss RUTH WHEELER.
Director of Admissions: Dr. R. SLINKER.
Librarian: Dr. J. DYKE.

The library contains 130,000 volumes.
Number of teachers: 143.
Number of students: 4,088.

NEW MEXICO HIGHLANDS UNIVERSITY
LAS VEGAS, NEW MEXICO
Telephone: 425-7511.
Founded 1893.

President: Dr. THOMAS C. DONNELLY.
Dean of Faculty: Dr. Q. G. BURRIS.
Comptroller: J. E. CONNOR.
Director of Admissions and Registrar: J. H. ELLIOTT.
Librarian: W. S. WALLACE.

Number of teachers: 78, including 23 professors.
Number of students: 900 men, 600 women, total 1,500.

DEANS:

Student Affairs: R. FARMER.
Graduate School: Dr. R. C. SMITH.
Assistant to the President and Director of Institutional Research: Dr. J. S. JOHNSON.

NEW MEXICO INSTITUTE OF MINING AND TECHNOLOGY
SOCORRO, NEW MEXICO

President: E. J. WORKMAN.
Director: M. F. STUBBS.
Registrar: A. P. STANTON.
Librarian: W. M. SPEARE.

Number of students: 400.

NEW MEXICO STATE UNIVERSITY
UNIVERSITY PARK, NEW MEXICO

Founded in 1888 as Las Cruces College; became in 1889 the New Mexico College of Agriculture and Mechanic Arts and in 1959 the State University.

President: ROGER B. CORBETT, PH.D.
Senior Vice-President: W. B. O'DONNELL, M.A.
Vice-President—Finance: K. R. HAFEN, M.A.
Vice-President—Research: R. H. DUNCAN, PH.D.
Vice-President—Administration: J. F. COLE, M.S.
Vice-President—Student Affairs: P. S. AMBROSE, ED.D.
Librarian: C. H. LINSCHEID, M.A.L.S.

The library contains 175,672 volumes, plus 220,000 bound and unbound Government documents.
Number of teachers: 293; Agricultural Experiment Station staff 77; Physical Science Laboratory staff 150; Agricultural Extension Service staff 123; Engineering Experiment Station staff 20.
Number of students: 3,596 men, 1,257 women, total 4,853.
Publications: Agricultural Experiment Station: *Annual Report, Bulletin, Circular*, etc.; Physical Science Laboratory: classified publications; Agricultural Extension Service: bulletins; Engineering Experiment Station: bulletins.

DEANS:

Graduate School: E. WALDEN, PH.D.
College of Agriculture and Home Economics: P. J. LEYENDECKER, PH.D.
College of Arts and Sciences: R. BARRETT, PH.D.
College of Business Administration and Economics: G. L. GUTHRIE, M.A.
College of Teacher Education: D. C. ROUSH, PH.D.
School of Engineering: F. BROMILOW, M.S.
Director, Agricultural Experiment Station: P. J. LEYENDECKER, PH.D.
Director, Physical Science Laboratory: C. IRA RICKETTS, B.S.
Director, Engineering Experiment Station: F. BROMILOW, M.S.
Director, Research Center: J. E. WEISS, PH.D.

ST. JOHN'S COLLEGE
SANTA FE, NEW MEXICO
Telephone: 205 982-2691
Founded 1964.

President: RICHARD D. WEIGLE.
Registrar: T. SMITH.
Librarian: J. M. KNEGO.

The library contains 15,000 volumes.
Number of teachers: 25.
Number of students: 150.
For Annapolis branch *see under* Maryland.

THE UNIVERSITY OF NEW MEXICO
ALBUQUERQUE, NEW MEXICO
Telephone: 277-0111.

Created by act of territorial legislation 1889. Opened 1892.

President: TOM L. POPEJOY, M.A., LL.D.
Academic Vice-President: H. L. ENARSON, PH.D.
Administrative Vice-President: S. E. SMITH, PH.D.
Director of Admissions and Registrar: J. C. MACGREGOR, B.A.
Librarian: D. O. KELLEY, M.A.

The library contains 432,730 volumes.
Number of teachers: 393.
Number of students: 6,894 men, 3,829 women, total 10,723.
Publications: *New Mexico Quarterly, Southwestern Journal of Anthropology, Natural Resources Journal, New Mexico Business, New Mexico Historical Review.*

DEANS:

Graduate School: G. P. SPRINGER, PH.D.
Students: H. W. LAVENDER, PH.D.
Men: H. V. MATHANY, M.A.
Women: HELEN WHITESIDE, ED.D.
College of Arts and Sciences: H. TROWBRIDGE, PH.D.
College of Business Administration: H. V. FINSTON, PH.D.
College of Education: C. C. TRAVELSTEAD, PH.D.
College of Engineering: R. H. CLOUGH, SC.D.
College of Fine Arts: C. ADAMS, M.A.
School of Law: T. W. CHRISTOPHER, LL.M., J.S.D.
School of Medicine: R. H. FITZ, M.D.
College of Nursing: VIRGINIA P. CRENSHAW, M.P.H.
College of Pharmacy: E. L. CATALINE, PH.D.
University College: W. H. HUBER, Jr., LL.B.

WESTERN NEW MEXICO UNIVERSITY
BOX 680, SILVER CITY, NEW MEXICO
Telephone: 538-3711.
Founded 1893.

President: Dr. JOHN H. SNEDEKER.
Dean of Student Affairs: Dr. D. S. OVERTURF.
Librarian: E. WERNER.

The library contains 59,000 volumes.
Number of teachers: 70.
Number of students: 1,200.

NEW YORK

ADELPHI UNIVERSITY
GARDEN CITY, NEW YORK
Founded 1896.

President: ARTHUR W. BROWN.
Provost: MARY C. MCGRILLIES.
Executive Vice-President: F. R. HENDERER.

Vice-President for Development: W. W. EICKELBERG.
Vice-President for Financial Affairs: E. F. SMITH.
Registrar: ROSEMARY FEENEY.
Librarian: D. NORA GALLAGHER.

Number of teachers: 230.
Number of students: 6,808.

DEANS:

University College: R. F. CLEMO.
Adelphi Suffolk College: A. P. ROBINSON.
Graduate School of Arts and Sciences: M. VAN B. JENNINGS.
School of Social Work: J. L. VIGILANTE.
School of Nursing: EILEEN JACOBI.
School of Business: J. F. BENDER.

ALFRED UNIVERSITY

ALFRED, NEW YORK

Chartered 1857.

President: M. ELLIS DRAKE, PH.D.
Treasurer: E. K. LEBOHNER.
Director of Admissions: R. HOWARD.
Registrar: F. H. GERTZ.
Librarian: FRANCES G. HEPINSTALL.
Dean of Students: P. F. POWERS.

Number of teachers: 121, including 36 professors.
Number of students (1964–65): 1,099 men, 554 women, total 1,653.
Publications: *Fiat Lux*, *Review*, *Kanakadea*, *Handbook*, *Alumni News*, *University Catalogue*, *Reporter*.

DEANS:

College of Liberal Arts: Dr. S. B. DUNN.
College of Ceramics: Dr. J. F. MCMAHON.
Graduate School: Dr. L. C. BUTLER.
School of Nursing: I. VERNETTE GRAU.

BANK STREET COLLEGE OF EDUCATION

69 BANK STREET
NEW YORK, N.Y. 10014
Telephone: CHelsea 3-4903.

Founded 1916.

President: JOHN H. NIEMEYER.
Registrar: Mrs. POLLY MCMILLAN.
Secretary of Admissions: Mrs. MARTHA STOD.
Librarian: Mrs. LECLARE CLEMONS.

The library contains 26,857 volumes.
Number of teachers: 36.
Number of students: 1,000.

BARD COLLEGE

ANNANDALE-ON-HUDSON, NEW YORK

Founded 1860.

President: Rev. REAMER KLINE, M.A., D.D.
Business Manager: W. M. ASIP, M.A.
Registrar: ELSIE L. QUINN.
Dean: H. L. HODGKINSON.
Director of Admissions: R. W. HERDMAN.
Librarian: H. L. HODGKINSON (acting).

The library contains 69,000 volumes.
Number of teachers: 53.
Number of students: 180 men, 180 women, total 360.

BARNARD COLLEGE

NEW YORK, N.Y. 10027
Telephone: 212-UN 5-4000.

Founded 1889.

The women's undergraduate college of Columbia University.

President: Miss ROSEMARY PARK.
Director of Admissions: Miss HELEN M. MCCANN.
Librarian: Miss ESTHER GREENE.

The library contains 95,000 volumes.
Number of teachers: 170.
Number of students: 1,550.

CANISIUS COLLEGE

2001 MAIN STREET,
BUFFALO, NEW YORK 14208
Telephone: TT 3-7000.

Founded 1870.

President: Very Rev. JAMES J. MCGINLEY, S.J.
Registrar: T. G. MEYERS.
Librarian: P. J. LAUX.

The library contains 107,585 volumes.
Number of teachers: 120 full-time, 35 part-time, total 155.
Number of students: 2,902.

CITY UNIVERSITY OF NEW YORK

535 EAST 80TH STREET,
NEW YORK, N.Y. 10021

The City University of New York comprises five senior colleges, listed below, and six community colleges: Borough of Manhattan Community College, Bronx Community College, Kingsborough Community College, New City Community College, Queensborough Community College and Staten Island Community College.

Chancellor: ALBERT H. BOWKER.

BROOKLYN COLLEGE

Brooklyn 10, New York 11210

Established 1930 by combining Brooklyn Centres of City College and Hunter Colleges.

President: HARRY D. GIDEONSE, B.A., A.M., LL.D., L.H.D.
Registrar: S. N. KAGEN, A.B.
Business Manager: D. HUME.
Librarian: H. G. BOUSFIELD, A.M.

The library contains 341,113 volumes.
Number of teachers: 1,131.
Number of students: 29,371.

DEANS:

Faculty: W. H. MAIS, PH.D.
Students: H. H. STROUP, D.SOC.SC.
Administration: F. P. KILCOYNE, A.M., PH.D.
School of General Studies and Summer Session: E. H. SPENGLER, A.M., PH.D. (Director).
Dean of Studies and Director Graduate Division: A. S. GOODHARTZ, A.M. PH.D.

CITY COLLEGE OF THE CITY OF NEW YORK

New York, N.Y. 10031

Founded 1847.

President: BUELL P. GALLAGHER, PH.D., LL.D.
Business Manager: (Vacant).
Bursar: J. D. BURTON, M.S., C.P.A.
Registrar: R. L. TAYLOR, M.A.
Librarian: B. KREISSMAN, PH.D.

Number of teachers: 695.
Number of students: 32,774.

DEANS:

College of Liberal Arts and Science: R. FRODIN.
School of Engineering and Architecture: W. ALLAN, M.C.E., P.E.
School of Education: H. H. ABELSON, PH.D.
Baruch School of Business and Public Administration: E. SAXE, PH.D., J.D., C.P.A.
Students: W. W. BLAESSER, ED.D.
Administration: L. W. ENGLER, M.S., P.E.

COLLEGE OF POLICE SCIENCE

New York, N.Y. 10003

Founded 1964.

President: MICHAEL J. MURPHY, LL.B., M.P.A. (acting).
Registrar: W. C. CLANCY.
Librarian: H. D. WASHBURN.

DEANS:

Administration: P. V. MURPHY.
Faculty: D. H. RIDDLE.

HUNTER COLLEGE OF THE CITY OF NEW YORK

695 Park Avenue,
New York, N.Y. 10021

Founded 1870; Chartered 1888.

President: JOHN J. MENG, A.M., PH.D., LL.D.
Business Manager: W. G. THALER.
Registrar: L. G. BRAILEY.
Librarian: F. W. STEWART, A.M.

Number of teachers: 961.
Number of students: 26,225.
Publications: *Bulletins*, *Reports*.

DEANS:

Faculty: MARY B. GAMBRELL, A.M., PH.D., LITT.D.
Administration: J. R. MEEHAN, ED.D.
Students: KATHRYN B. HOPWOOD, A.M., PH.D., G. T. NYGREN.

DIRECTORS:

Teacher Education: H. SCHUELER, M.S., PH.D.
Graduate Study: RUTH G. WEINTRAUB, A.M., J.D., PH.D.
School of General Studies: E. DAVISON, A.M., LITT.D. (Park Avenue), C. H. ROBINSON, PH.D. (Bronx Campus).

QUEENS COLLEGE OF THE CITY OF NEW YORK
65-30 Kissena Boulevard, Flushing, New York

Founded 1937.

President: JOSEPH P. MCMURRAY, LL.D., LITT.D., L.H.D.
Registrar: G. E. OETTINGER, B.S.S.
Business Manager: W. EDEL.
Director of Graduate Studies: S. AXELROD, D.S.
Director of School of General Studies: J. E. TOBIN, PH.D.
Director of Records and Evaluations: H. A. KNAG, ED.D.
Dean of Administration: G. W. HOWARD, PH.D.
Librarian: M. A. GELFAND, B.S. (L.S.), M.A. IN ED.

The library contains 131,546 volumes.
Number of teachers: 305.
Number of students: 21,026.
Publication: *Queens College Catalogue* (annual).

DEANS:

Faculty: R. W. EMERY.
Administration: G. W. HOWARD.
Students: G. A. PIERSON, ED.D.

CLARKSON COLLEGE OF TECHNOLOGY
POTSDAM, NEW YORK

Founded 1896.

President: WILLIAM L. WHITSON, B.S., M.A., PH.D.
Vice-President: L. W. HERRON, M.A., SC.D., LL.D.
Registrar: F. G. LINDSEY, B.S., M.ED.
Business Manager and Treasurer: D. F. MCINTYRE, B.M.E.
Librarian: W. J. PAGE, M.S., M.A. (acting).

The library contains 70,896 volumes.
Number of teachers: 143, including 35 professors.
Number of students: 2,130.
Publications: *Clarkson Integrator, Clarksonian, Clarkson Comment.*

DEANS:

Student Affairs: E. MOORE, B.S.
Students: H. E. MCADAMS, A.M., PH.D.
Graduate School: H. L. SHULMAN, B.CH.E., M.S., PH.D.
School of Engineering: J. B. RUSSELL, M.S., D.SC.
School of Science: M. KERKER, M.A., PH.D.

COLGATE UNIVERSITY
HAMILTON, NEW YORK

Telephone: Hamilton 660.

First Charter 1819; Chartered as Madison University 1846, name changed to Colgate University 1890.

President: VINCENT M. BARNETT, Jr.
Treasurer and Business Manager: J. W. S. LITTLEFIELD.
Controller: R. M. KREHEL.
Registrar: W. J. EVERTS.
Secretary: K. B. O'BRIEN, Jr.
Vice-President for Development: L. R. LAWRENCE.
Dean of Students: W. F. GRIFFITH.
Associate Dean: J. D. SCOVIL.
Dean of Faculty: J. A. STORING.
Director of Graduate Studies: R. O. ROCKWOOD.
Librarian: B. M. BROWN.

The library contains 225,000 volumes.
Number of teachers: 134.
Number of students: 1,439 undergraduate, 75 graduate, 2 special, total 1,516.

COLLEGE OF MOUNT SAINT VINCENT
WEST 263RD STREET AND RIVERDALE AVENUE
NEW YORK, N.Y. 10471

Telephone: KIngsbridge 9-8000.

Founded 1847.

President: Sister MARY DAVID.
Registrar: Miss ELEANOR O'CONNELL.
Librarian: Sister STEPHEN MARY.

The library contains 55,000 volumes.
Number of teachers: 85.
Number of students: 750.

COLLEGE OF NEW ROCHELLE
NEW ROCHELLE, NEW YORK 10805

Founded 1904.

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PLANE, R. A., PH.D., Chemistry
PORTER, R. F., PH.D., Chemistry
RABINOWITZ, I., PH.D., Biblical and Hebrew Studies
RIDEOUT, B. L., PH.D., Romance Languages
ROBERTS, J. M., PH.D., Anthropology
ROE, A. S., PH.D., History of Art
ROSENBERG, A., PH.D., Mathematics
ROSSITER, C., III., PH.D., LL.D., LITT.D., L.H.D., American Institutions
RUSH, M., PH.D., Government
RYAN, T. A., PH.D., Psychology
SALE, W. M., Jr., English Literature
SALPETER, E. E., PH.D., Physics
SCHERAGA, H. A., PH.D., SC.D., Chemistry
SELDEN, R. T., PH.D., Economics
SELIG, K. L., PH.D., Spanish Literature
SHADICK, H., M.A., Chinese Literature
SHARP, L., PH.D., Anthropology
SHAW, R. W., PH.D., Astronomy
SIENKO, M. J., PH.D., Chemistry
SILSBEE, R. H., PH.D., Physics
SILVERMAN, A., PH.D., Physics
SINDLER, A. P., PH.D., Government
SKINNER, G. W., PH.D., Anthropology
SMITH, PATRICIA C., PH.D., Psychology
SMITH, R. J., PH.D., Anthropology
SPITZNER, F. L., PH.D., Mathematics
SPROULL, R. L., PH.D., Physics
STREIB, G. F., PH.D., Sociology
STROUT, S. C., Jr., PH.D., English
STYCOS, J. M., PH.D., Sociology
THOMPSON, W. E., PH.D., Sociology
TIERNEY, B., PH.D., Medieval History
TURNER, V. W., PH.D., Anthropology
VALLENTYNE, J. R. W., PH.D., Zoology
WAAGE, F. O., PH.D., History of Art and Archæology
WALKER, R. J., PH.D., Mathematics
WELLS, J. W., PH.D., Mathematics
WELLS, J. W., PH.D., Geology
WIDOM, B., PH.D., Chemistry
WIDOM, H., PH.D., Mathematics
WILLIAMS, L. P., PH.D., History
WILLIAMS, R. M., Jr., PH.S., Sociology
WILSON, R. R., PH.D., Physics
WIMSATT, W. A., PH.D., Zoology
WOLFOWITZ, J., PH.D., Mathematics
WOLTERS, O. W., PH.D., Southeast Asian History
WOODWARD, W. M., PH.D., Physics
YENNIE, D. R., PH.D., Physics

The College of Engineering:

Agricultural Engineering:

FRENCH, O. C., M.S.A.E.
GUNKEL, W. W., M.S.A.E., PH.D.
LEVINE, G., PH.D.
MILLIER, W. F., PH.D.
SHEPARDSON, E. S., M.S.

Aerospace Engineering:

RESLER, E. L., PH.D.
SEARS, W. R., PH.D.
SHEN, S. F., PH.D.

Chemical Engineering:

FINN, R. K., PH.D.
HARRIOTT, P., PH.D.
HEDRICK, J. E., M.S., PH.D.
MASON, C. W., PH.D.
SMITH, J. C., B.CHEM.E.
VON BERG, R. L., M.S., PH.D.
WIEGANDT, H. F., M.S., PH.D.
WINDING, C. C., PH.D.
YORK, R., M.S., PH.D.

Civil Engineering:

BELCHER, D. J., M.S., PH.D.
CHRISTENSEN, N. A., M.S., PH.D.
DWORSKY, L. B., M.S.
FISHER, G. P., PH.D.
GATES, C. D., M.S.
HENKEL, D. J., PH.D.
LEWIS, T. D., B.S.C.E.
LIANG, T., M.S., PH.D.
MCGUIRE, W., M.S.
MCNAIR, A. J., M.S., PH.D.
WINTER, G., PH.D.

Computer Science:

HARTMANIS, J., CAND.PHIL., M.A., PH.D.

Electrical Engineering:

ANKRUM, P. D., PH.D.
BOLGIANO, R., Jr., M.S., PH.D.
DALMAN, G. C., M.S., PH.D.
DECLARIS, N., M.S., PH.D.
ERICKSON, W. H., M.S.
GOLD, T., M.S.
GORDON, W. E., M.A., M.S., PH.D.
LINKE, S., M.S.
MCGAUGHAN, H. S., M.S.
MCISAAC, P. R., M.S., PH.D.
MCLEAN, T., B.S.
MERRIAM, C. W., III, M.S., PH.D.
MESERVE, W. E., M.S., PH.D.
NICHOLS, B., M.S., PH.D.
SMITH, H. G., M.S., PH.D.
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WADE, G., M.S., PH.D.
ZIMMERMAN, S. W., M.S.

Engineering Physics:

CLARK, D. D., PH.D.
CUYKENDALL, T. R., M.S., PH.D.
HOWE, J. P., PH.D.
SACK, H. S., PH.D.
SIEGEL, B. M., PH.D.
WEBB, W. W., PH.D.

Industrial Engineering and Operations Research:

BECHHOFER, R. E., PH.D.
CONWAY, R. W., PH.D.
GOODE, H. P., M.S.,
SAUNDERS, B. W., M.S.
SCHULTZ, A., Jr., PH.D.
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Materials Science and Engineering:

BALLUFFI, R. W., PH.D.
BURTON, M. S., M.S.
GREGG, J. L., B.S.
JEFFREY, J. O., M.S.
OWEN, W. S., M.ENG., PH.D.
RUOFF, A. L., PH.D.
SCALA, E., M.S., PH.D.
SMITH, G. V., PH.D.

Mechanical Engineering:

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CONTA, B. J., M.S.
DUBOIS, G. B., M.S.
ERDMAN, F. S., M.S., PH.D.
GEBHART, B., M.S., PH.D.
HANSELMAN, G. R., M.S.
MOORE, F. K., PH.D.
OCVIRK, F. W., M.S.
PHELAN, R. M., M.S.

Theoretical and Applied Mechanics:

BIJLAARD, P. P., C.E.
BLOCK, H. D., B.C.E., M.S., PH.D.
CONWAY, H. D., M.S., PH.D., D.SC.
CRANCH, E. T., PH.D.
LUDFORD, G. S. S., M.S., PH.D.
MITCHELL, T. P., M.S., M.S.
MOYNIHAN, J. R., M.S.

The New York State Veterinary College:
Baker, J. A., m.s., ph.d., d.v.m., Veterinary Virology
Bentinck-Smith, J., d.v.m., Veterinary Pathology
Boyer, C. I., Jr., v.m.d., m.s., Laboratory Animal Medicine
Bruner, D. W., ph.d., d.v.m., Veterinary Microbiology
Comar, C. L., ph.d., Physical Biology
Danks, A. G., d.v.m., Veterinary Surgery
Delahanty, D. D., d.v.m., m.s., Veterinary Surgery
Evans, H. E., ph.d., Veterinary Anatomy
Fabricant, J., v.m.d., m.s., ph.d., Avian Diseases
Fox, F. H., d.v.m., Veterinary Medicine and Obstetrics
Gasteiger, E. L., Jr., m.s., ph.d., Physical Biology
Gillespie, J. H., v.m.d., Veterinary Bacteriology
Habel, R. E., d.v.m., m.sc., m.v.d., Veterinary Anatomy
Kirk, R. W., d.v.m., Small Animal Medicine
Leonard, E. P., d.v.m., Small Animal Surgery
Levine, P. P., d.v.m., m.s., ph.d., Avian Diseases
McEntee, K., d.v.m., Veterinary Medicine and Pathology
Peckham, M. C., d.v.m., Avian Diseases
Poppensiek, G. C., v.m.d., m.s., Veterinary Microbiology
Rickard, C. G., d.v.m., m.s., ph.d., Veterinary Pathology
Roberts, S. J., d.v.m., m.s., Veterinary Medicine and Obstetrics
Sellers, A. F., v.m.d., m.s., ph.d., Veterinary Physiology
Sheffy, B. E., m.s., ph.d., Nutrition
Wasserman, R. H., m.s., ph.d., Radiation Biology
Whitlock, J. H., d.v.m., m.s., Veterinary Parasitology

The New York State College of Agriculture (at Ithaca campus):
Albrectsen, R., m.s., Animal Husbandry
Alexander, F. D., ph.d., Extension Service
Allaway, W. H., ph.d., Soil Science
Baker, R. C., ph.d., Poultry Husbandry
Banks, H. P., ph.d., Botany
Barnes, LeR. L., ph.d., Biophysics
Barnes, R. H., ph.d., Biochemistry and Nutrition
Barraclough, S. L., ph.d., Agricultural Economics
Berg, C. O., ph.d., Limnology
Boothroyd, C. W., ph.d., Plant Pathology
Brann, J. L., Jr., ph.d., Entomology
Bratton, C. A., ph.d., Farm Management
Bruckner, J. H., ph.d., Poultry Husbandry
Brunk, M. E., ph.d., Marketing
Burke, J. D., m.s.a., Animal Husbandry
Canoyer, Helen G., ph.d., Home Economics
Capener, H. R., ph.d., Rural Sociology
Carpenter, K. S., ph.d., Business Management
Carter, H. W., ph.d., Animal Husbandry
Clausen, R. T., ph.d., Botany
Cline, M. G., ph.d., Soil Science
Cole, R. K., ph.d., Poultry Husbandry and Animal Genetics
Conklin, H. E., ph.d., Land Economics
Cornman, J. F., ph.d., Ornamental Horticulture
Cunningham, L. C., ph.d., Farm Management
Cushman, H. R., ph.d., Agricultural Education
Dallyn, S. L., ph.d., Vegetable Crops
Daniel Louise J., ph.d., Biochemistry
Darrah, L. B., ph.d., Marketing
Dawson, J. E., ph.d., Soil Science
Delwiche, E. A., ph.d., Microbiology
Dewey, J. E., ph.d., Insect Toxicology
Dimock, A. W., ph.d., Plant Pathology
Dominick, B. A., Jr., ph.d., Marketing
Dyce, E. J., ph.d., Apiculture
Eadie, W. R., ph.d., Zoology
Earle, W. G., ph.d., Marketing
Edgerton, L. J., ph.d., Pomology
Everett, H. L., ph.d., Plant Breeding
Federer, W. T., ph.d., Biological Statistics
Fertig, S. N., ph.d., Agronomy
Foote, R. H., ph.d., Animal Husbandry
Foss, E. W., m.s.a., Agricultural Engineering
Franclemont, J. G., ph.d., Entomology
French, O. C., m.s., Agricultural Engineering
Glock, M. D., ph.d., Educational Psychology
Gunkel, W. W., ph.d., Agricultural Engineering
Gyrisco, G. G., ph.d., Entomology
Hansel, W. H., ph.d., Animal Husbandry
Hartman, J. D., ph.d., Vegetable Crops
Hartwig, H. B., ph.d., Field Crops
Hedlund, G. W., ph.d., Business Management
Henderson, C. R., ph.d., Animal Husbandry
Herrington, B. L., ph.d., Dairy Chemistry
Hewitt, O. H., ph.d., Wildlife Management
Hill, C. W., ph.d., Agricultural Education
Hoffman, M. B., ph.d., Pomology
Holland, R. F., ph.d., Dairy Industry
Holley, R. W., ph.d., Biochemistry
How, R. B., ph.d., Agricultural Economics
Isenberg, F. M., ph.d., Vegetable Crops
Jensen, N. F., ph.d., Plant Breeding
Johnson, M., Jr., Secondary Education
Johnson, P. G., ph.d., Nature and Science Education
Jordan, W. K., ph.d., Dairy Industry
Kearl, C. D., ph.d., Farm Management
Kellogg, P. P., ph.d., Ornithology and Biological Acoustics
Kelly, W. C., ph.d., Vegetable Crops
Kent, G. C., ph.d., Plant Pathology
Kerr, H. A., m.s.a., Soil Conservation
Knaysi, G. A., ph.d., d.sc., Microbiology
Korf, R. P., ph.d., Plant Pathology
Kosikowski, F. V., ph.d., Dairy Industry
Krukovsky, V. N., ph.d., Dairy Industry
Lacy, M. D., m.s., Animal Husbandry
Larson, O. F., ph.d., Rural Sociology
Lathwell, D. J., ph.d., Soil Science
Laubengayer, A. W., ph.d., Chemistry
Leagans, J. P., ph.d., Extension Education
Lemon, E. R., ph.d., Soil Science
Levine, G., ph.d., Agricultural Engineering
Loomis, C. N., ph.d., Farm Management
Loosli, J. P., ph.d., Nutrition
Lowe, C. C., ph.d., Plant Breeding
Lutz, E. A., ph.d., Public Administration
MacDonald, H. A., ph.d., Field Crops
Mai, W. F., ph.d., Plant Pathology
Marble, D. R., ph.d., Poultry Husbandry
March, R. P., m.s., Dairy Industry
Markwardt, E. D., m.s.a., Agricultural Engineering
Matthysse, J. G., ph.d., Economic Entomology
McCarthy, D. J., ph.d., Educational Administration
Mellor, J. W., ph.d., Agricultural Economics
Miller, J. I., ph.d., Animal Husbandry
Miller, R. D., ph.d., Soil Physics
Millier, W. F., ph.d., Agricultural Economics
Minges, P. A., ph.d., Vegetable Crops
Moore, H. E., Jr., ph.d., Botany
Morrison, R. S., m.d., Biology
Munger, H. M., ph.d., Plant Breeding and Vegetable Crops
Murphy, R. P., ph.d., Plant Breeding
Musgrave, R. B., ph.d., Field Crops
Naylor, H. B., ph.d., Microbiology
Nelson, A. G., ph.d., Educational and Vocational Guidance
Nelson, W. L., ph.d., Biochemistry
O'Brien, R. D., ph.d., Entomology and Limnology
Parker, K. G., ph.d., Plant Pathology
Patton, R. L., ph.d., Insect Physiology
Pease, W. F., b.s., Extension Service, State 4-H Club Leader
Peech, M., ph.d., Soil Science
Peterson, L. C., ph.d., Plant Pathology
Phillips, E. S., b.s., Extension Teaching and Information
Pimentel, D., ph.d., Insect Ecology
Plaisted, R. L., ph.d., Plant Breeding
Polson, R. A., ph.d., Rural Sociology
Pridham, A. M. S., ph.d., Ornamental Horticulture
Raleigh, G. J., ph.d., Vegetable Crops
Raney, E. C., ph.d., Zoology and Fishery Biology
Rawlins, W. A., ph.d., Entomology
Reeder, W. M., ph.d., Entomology
Reid, J. T., h.d., Animal Husbandry
Robinson, K. L., ph.d., Agricultural Economics
Robson, D. S., ph.d., Biological Statistics
Rochow, W. F., ph.d., Plant Pathology
Rockcastle, V. N., ph.d., Nature and Science Education
Ross, A. F., ph.d., Plant Pathology
Sawyer, R. L., ph.d., Vegetable Crops
Scott, M. L., ph.d., Animal Nutrition and Poultry Husbandry
Seeley, H. W., ph.d., Microbiology
Seeley, J. G., ph.d., Floriculture
Shepardson, E. S., m.s.a., Agricultural Engineering
Sherf, A. F., ph.d., Plant Pathology
Shipe, W. F., Jr., ph.d., Dairy Industry
Slack, S. T., ph.d., Animal Husbandry
Smith, O., ph.d., Vegetable Crops
Smith, R. S., ph.d., Farm Finance
Smith, S. E., ph.d., Animal Husbandry
Smock, R. M., ph.d., Pomology
Spalding, R. W., ph.d., Animal Husbandry
Spencer, J. W., m.c.e., Agricultural Engineering
Srb, A. M., ph.d., Genetics
Stanton, B. F., ph.d., Farm Management
Steward, F. C., ph.d., d.sc., Biological Sciences
Stinson, H. T., ph.d., Genetics
Stone, E. L., Jr., ph.d., Forest Soils
Story, R. P., ph.d., Marketing
Stutz, F. H., ph.d., Secondary Education
Swanson, G. A., ph.d., Conservation
Sweet, R. D., ph.d., Vegetable Crops
Taietz, P., ph.d., Rural Sociology

TRAVIS, B. V., PH.D., Medical Entomology and Parasitology
TRIMBERGER, G. W., PH.D., Animal Husbandry
TURNER, C. N., M.S., Agricultural Engineering
TYLER, L. J., PH.D., Plant Pathology
UHLER, L. D., PH.D., Biology
VAN DEMARK, P. J., PH.D., Bacteriology
WALLACE, B., PH.D., Genetics
WARD, W. B., M.S., Extension Teaching and Information
WARDEBERG, HELEN L., PH.D., Elementary Education and Supervision
WARNER, R. G., PH.D., Animal Husbandry
WARREN, S. W., PH.D., Farm Management
WEBSTER, D. A., PH.D., Fishery Biology
WELLINGTON, G. H., PH.D., Animal Husbandry
WHITE, J. C., PH.D., Dairy Industry
WILLIAMS, H. H., PH.D., Biochemistry
WINCH, F. E., Jr., M.F., Forestry

The College of Agriculture—at the Geneva Experiment Station:

AVENS, A. W., PH.D., Chemistry
BRAUN, A. J., PH.D., Plant Pathology
CAIN, J. C., PH.D., Pomology
CHAPMAN, P. J., PH.D., Entomology
CLARK, B. E., PH.D., Seed Investigations
CROSIER, W. F., PH.D., Seed Investigations
DEAN, R. W., PH.D., Entomology
EINSET, J., PH.D., Pomology
GAMBRELL, F. L., PH.D., Entomology
GILMER, R. M., PH.D., Plant Pathology
GLASS, E. H., PH.D., Entomology
HAMILTON, J. M., PH.D., Plant Pathology
HAND, D. B., PH.D., Biochemistry
MOYER, J. C., PH.D., Chemistry
NATTI, J. J., PH.D., Plant Pathology
NITTLER, L. W., PH.D., Seed Investigation
PALMITER, DEF. H., PH.D., Plant Pathology
PEDERSON, C. S., PH.D., Bacteriology
ROBINSON, W. B., PH.D., Chemistry
SCHROEDER, W. T., PH.D., Plant Pathology
SHAULIS, N. J., PH.D., Pomology
SLATE, G. L., M.S., Pomology
STEINKRAUS, K. H., PH.D., Bacteriology
SZKOLNIK, M., PH.D., Plant Pathology
TASCHENBERG, E. F., PH.D., Entomology
VITTUM, M. T., PH.D., Vegetable Crops

New York State College of Home Economics:

BALDWIN, A. L., PH.D., Child Development and Family Relationships
BAUMGARTNER, CHARLOTTE, PH.D., Textile and Clothing
BEYER, G. H., A.M., Housing and Design
BLACKWELL, SARA, PH.D., Home Economics Education
BLOETJES, Mrs. MARY K., PH.D., Institution Management
BRADY, N. C., PH.D., Experimental Station
BRONFENBRENNER, URIE, PH.D., Child Development and Family Relationships
BURGOIN, ALICE M., M.S., Institution Management
BURNS, MARJORIE, M., M.S., Food and Nutrition
BYMRRS, GWENDOLYN J., PH.D., Household Economics and Management
CANOYER, HELEN, G., PH.D.
CARREIRO, J., B.S., Housing and Design
CAULUM, VERA, M.S., Extension Service
DALTON, R. H., PH.D., Child Development and Family Relationships
DEVEREUX, E. C., Jr., PH.D., Child Development and Family Relationships
FAILING, JEAN, PH.D.
FELDMAN, H., PH.D., Child Development and Family Relationships
FORD, MARY, PH.D., Child Development and Family Relationships
HARDING, J., PH.D., Child Development and Family Relations
HESTER, E. ELIZABETH, PH.D., Food and Nutrition
HUMPHREYVILLE, THERESA R., ED.D.
JOHNSON, A. A., M.S., Extension Service
KENNEDY, W. K., PH.D., Agronomy
LEVIN, H., PH.D., Child Development and Family Relationships
LONGREE, KARLA, PH.D., Institution Management
MORRISION, MARY, PH.D., Food and Nutrition
PEASE, W. F., B.S., Extension Service
PERSONIUS, CATHERINE J., PH.D., Food and Nutrition
REED, HAZEL E., M.S., Extension Service
RICCIUTI, H. N., PH.D., Child Development and Family Relations
ROLLINS, MABEL A., PH.D., Household Economics and Management
RYAN, Mrs. MARY S., PH.D., Textile and Clothing
STEININGER, GRACE, PH.D., Food and Nutrition
STOUT, EVELYN E., ED.D., Textiles and Clothing
TRUE, VIRGINIA, M.F.A., Housing and Design
WARD, W. B., M.S., Extension Teaching
WARREN, JEAN, PH.D., Household Economics and Management
WIEGAND, ELIZABETH, PH.D., Household Economics and Management
WRIGHT, C. E., PH.D., Extension Service
YOUNG, CHARLOTTE M., PH.D., Medical Nutrition, Food and Nutrition

The Graduate School of Business and Public Administration:

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BROOKS, E., M.S., Administration
CARMICHAEL, W. D., M.P.A., PH.D., Economic Theory
DE CHAZEAU, M. G., PH.D., Business Economics and Policy
GILMORE, F. F., S.M., Business Administration
HILLHOUSE, A. M., J.D., PH.D., Public Finance
HUTCHINS, J. G. B., PH.D., Business History and Transportation
NILSSON, A. E., M.B.A., PH.D., Finance
PRESTHUS, R. V., PH.D., Public Administration
RATHMELL, J. M., M.B.E., PH.D., Marketing
SMIDT, S., PH.D., Managerial Economics
SUMMERSKILL, J., PH.D., Administration
THOMAS, D. A., M.B.A., PH.D., C.P.A., Accounting
VAN RIPER, P. P., PH.D., Public Administration

The School of Education:

ANDRUS, H. G., PH.D., Guidance and Personnel Administration
BLACKWELL, SARA E., PH.D., Home Economics Education
CUSHMAN, H. R., PH.D., Agricultural Education
DURFEE, A. E., PH.D., Extension Service and Extension Education
GLOCK, M. D., PH.D., Educational Psychology
HILL, C. W., PH.D., Agricultural Education
HIXON, L. B., ED.D., Education
JOHNSON, M., Jr., PH.D., Secondary Education
JOHNSON, P. G., PH.D., Nature and Science Education
LEAGANS, J. P., PH.D., Extension Education
MCCARTY, D. J., PH.D., Educational Administration
NELSON, A. G., PH.D., Educational and Vocational Guidance
PAUK, W., PH.D., Education
PEARD, ISABEL, PH.D., Education
RHODES, KATHLEEN, PH.D., Home Economics Education
ROCKCASTLE, V. N., PH.D., Nature and Science Education
STUTZ, F. H., PH.D., History and Theory of Education
WARDEBERG, HELEN L., PH.D., Elementary Education and Supervision

The School of Hotel Administration:

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BERNATSKY, M.
BROTON, P. R., M.S., Hotel Engineering
CLADEL, C. E., M.S., C.P.A., Hotel Accounting
ERICSON, MYRTLE, M.S.
LATTIN, G. W., PH.D.
RECKNAGEL, Mrs. HELEN J., PH.D.
SAYLES, C. I., B.S., M.E.E., Institutional Engineering
SHERRY, J. H., A.B., LL.B.
SILK, T. W., A.B., B.S., M.S.
SMITH, LAURA LEE W., PH.D.
WANDERSTOCK, J. J., PH.D.

The New York State School of Industrial and Labor Relations:

ADAMS, L. P., PH.D.
ARONSON, R. L., PH.D.
BLUMEN, I., PH.D.
BROOKS, G. W., M.A.
CAMPBELL, R. N., M.B.A.
CARPENTER, J. T., PH.D.,
CLARK, M. G., PH.D.,
COOK, ALICE H., B.L.
EVANS, W. D., B.SC.
FERGUSON, R. H., PH.D.
FOLTMAN, F. F., PH.D.
HANSLOWE, K. L., LL.B.
HILDEBRAND, G. H., PH.D.
HODGES, W. L., M.A.
JENSEN, V. H., PH.D.,
KONVITZ, M. R., PH.D.
LANDSBERGER, H. A., PH.D.
MACINTYRE, D. M., PH.D.,
MCCARTHY, P. J., PH.D.
MCKELVEY, JEAN T., PH.D.,
MILLER, J. G., B.S.
MOORE, D. G., PH.D.
NEUFELD, M. F., PH.D.
RAIMON, R. L., PH.D.,
RISLEY, R. F., PH.D.
SMITH, A. W., PH.D.
TOLLES, N. A., PH.D.
WHYTE, W. F., PH.D.
WINDMULLER, J. P., PH.D.

The Graduate School of Nutrition:

BAKER, R. C., PH.D.
BARNES, R. H., PH.D.
COMAR, C. L., PH.D.
DANIEL, LOUISE J., PH.D.
DARLING, C. D., M.D.
FINN, R. K., PH.D.
HAND, D. B., PH.D.
HARTMAN, J. D., PH.D.
HERRINGTON, B. L., PH.D.
HESTER, E. ELIZABETH, PH.D.
HOLLEY, R. W., PH.D.
KROOK, L. P., D.V.M., PH.D.
LONGRÉE, KARLA, PH.D.
LOOSLI, J. K., PH.D.
LUTWAK, L., PH.D., M.D.
MOORE, N. S., M.D.
MOYER, J. C., PH.D.
NELSON, W. L., PH.D.
PEDERSEN, C. S., PH.D.
PERSONIUS, CATHERINE J., PH.D.
REID, J. T., PH.D.

ROBINSON, W. B., PH.D.
SCOTT, M. L., PH.D.
SEELEY, H. W., Jr., PH.D.
SMITH, O., PH.D.
SMITH, S. E., PH.D.
SMOCK, R. M., PH.D.
TURK, K. L., PH.D.
VAN VEEN, A. G., PH.D.
VISEK, W. J., PH.D., M.D.
WARNER, R. G., PH.D.
WASSERMAN, R. H., PH.D.
WELLINGTON, G. H., PH.D.
WILLIAMS, H. H., PH.D.
WRIGHT, L. D., PH.D.
YOUNG, CHARLOTTE M., PH.D.

D'YOUVILLE COLLEGE

320 PORTER AVENUE,
BUFFALO, NEW YORK 14201
Telephone: 886-8100.
Founded 1908.

President: Mother FRANCIS XAVIER.
Registrar: Sister ALICE OF THE SACRED HEART.
Librarian: Sister CATHERINE DAVID.

The library contains 58,300 volumes.
Number of teachers: 85.
Number of students: 950.

ELMIRA COLLEGE

ELMIRA, NEW YORK
Founded 1855.

President: Dr. J. RALPH MURRAY.
Dean of Faculty: Dr. C. F. BYERS.
Dean of Students: Miss BARBARA J. WELTON.

The library contains 78,000 volumes.
Number of students: 914 full-time and 1,088 part-time spring semester 1962.

FINCH COLLEGE

52 EAST 78TH STREET,
NEW YORK, N.Y. 10021
Telephone: BUtterfield 8-8450.
Founded 1900.

President: Dr. ROLAND R. DE MARCO, PH.D., LL.D.
Registrar: Mrs. MARGARET SHERZER.
Dean of Admissions: Miss SARA ARTHUR.
Librarian: M. PIEL.

The library contains 50,000 volumes.
Number of teachers: 42.
Number of students: 325.

FORDHAM UNIVERSITY

EAST FORDHAM ROAD,
NEW YORK 58, N.Y.

Founded by Rt. Rev. John Hughes, first Roman Catholic Archbishop of New York, in 1841 as St. John's College. Incorporated as a university 1846. Name changed to Fordham University 1907.

President: Rev. VINCENT T. O'KEEFE, S.J., M.A., PH.L., S.T.L., PH.D.
Academic Vice-President: Rev. J. R. FRESE, S.J., M.A., PH.L., S.T.L., PH.D.
Vice-President for Business and Finance: Rev. W. J. MULCAHY, S.J., M.A., S.T.L., PH.D.
Treasurer: Rev. P. H. MCGRATH, S.J.
Librarian: J. T. HART, M.A., PH.D.

The library contains 467,996 volumes.
Number of teachers: 696.
Number of students (1963-64): 6,757 men, 3,261 women, total 10,018.
Publications: *Thought* (quarterly), *Traditio* (annual), *International Philosophical Quarterly*.

DEANS:

Fordham College: Rev. G. J. MCMAHON, S.J., M.A., S.T.L., PH.D.
Thomas Moore College: Rev. J. W. DONOHUE, S.J., M.A., PH.L., S.T.L., PH.D.
College of Philosophy and Letters: Rev. G. A. MCCOOL, S.J., M.A., S.T.L., PH.D.
Graduate School: Rev. J. F. MULLIGAN, S.J., M.A., S.T.L., PH.D.
School of Business: M. J. KAVANAGH, M.A., PH.D.
School of Education: J. S. PROBST, M.A., PH.D.
School of Law: W. H. MULLIGAN, LL.D.
College of Pharmacy: A. J. SICA, M.S., PH.D.
School of Social Service: Rev. V. DE P. LEE, S.J., S.T.L., M.S.W.
School of General Studies: Rev. C. A. O'NEILL, S.J., M.A., S.T.L., PH.D.

GOOD COUNSEL COLLEGE

WHITE PLAINS, NEW YORK 10603
Telephone: 914 949-9494.
Founded 1923.

President: Mother M. DOLORES.
Registrar: Sister M. AMBROSE.
Librarian: Sister M. ALACOGUE.

The library contains 38,000 volumes.
Number of teachers: 52.
Number of students: 510.

HAMILTON COLLEGE

CLINTON, NEW YORK

Founded 1793 as Hamilton-Oneida Academy; Chartered as Hamilton College 1812.

President: ROBERT W. MCEWEN.
Dean: W. TOLLES.

The library contains 260,763 volumes.
Number of teachers: 80.
Number of students: 794 (men).

HOBART AND WILLIAM SMITH COLLEGES
(The Colleges of the Seneca)

GENEVA, NEW YORK

Hobart founded 1822, William Smith founded 1908.

President: The Rev. LOUIS M. HIRSHSON.
Provost: B. D. CAUSEY, Jr.
Treasurer: S. BANCROFT.
Librarian: W. R. LANSBERG.

Number of teachers: 96, including 27 professors.
Number of students: Hobart: 1,030 men; William Smith: 370 women.
Publications: *Catalogue, Quarterly Bulletin.*

DEANS:

Hobart: B. P. ATKINSON.
William Smith: Mrs. RAYMOND D. HEATH.

HOFSTRA UNIVERSITY

1000 FULTON AVENUE,
HEMPSTEAD, LONG ISLAND,
NEW YORK 11550
Telephone: Ivanhoe 9-7000.
Founded 1935.

President: Dr. CLIFFORD L. LORD.
Registrar: C. J. MEIXEL.
Director of Admissions: E. T. CARINE, Jr.
Librarian: Dr. E. MASON.

The library contains 150,000 volumes.
Number of teachers: 523.
Number of students: 10,000.

ITHACA COLLEGE

ITHACA, NEW YORK 14851
Telephone: AR 3-9300.
Founded 1892.

President: HOWARD DILLINGHAM.
Registrar: R. REGALA.
Director of Admissions: H. ENZIAN.
Librarian: Miss MARY CAMPFIELD.

The library contains 50,000 volumes.
Number of teachers: 131 full-time.
Number of students: 2,300.

JUILLIARD SCHOOL OF MUSIC

120 CLAREMONT AVENUE,
NEW YORK 27, N.Y.
Founded 1905.

President: PETER MENNIN.
Dean: G. WALDROP.
Registrar: J. EHRBAR.

The library contains: 5,000 volumes on Music and Dance, 4,000 volumes on non-musical subjects, 20,000 music scores.
Number of instructors: 150.
Number of students: 850.

KEUKA COLLEGE

KEUKA PARK, NEW YORK 14478
Telephone: Area Code 315, 536-4411.
Founded 1890.

President: Dr. WILBOUR E. SAUNDERS (acting).
Registrar: KENNETH F. ESTEY.
Librarian: Mrs. RUTH W. PINKERTON.

The library contains 53,000 volumes.
Number of teachers: 65.
Number of students: 725.

LADYCLIFF COLLEGE

HIGHLAND FALLS,
NEW YORK 10928
Telephone: Hi 6-4747.
Founded 1933.

President: Sister M. JANE THOMAS.

Registrar: Sister MIRIAM.
Director of Admissions: Sister MAUREEN
Librarian: Sister M. CATHERINE FREDERIC.

The library contains 35,000 volumes.
Number of teachers: 41.
Number of students: 500.

LE MOYNE COLLEGE

LE MOYNE HEIGHTS,
SYRACUSE, NEW YORK 13214
Telephone: GIbson 6-2882.
Founded 1946.

President: Very Rev. WILLIAM L. REILLY, S.J.
Registrar: Miss MARION F. CROWE.
Director of Admissions: E. J. GORMAN.
Librarian: Dr. T. J. NIEMI.

The library contains 57,086 volumes.
Number of teachers: 90.
Number of students: 1,328 full-time (880 men, 448 women), 123 part-time.

LONG ISLAND UNIVERSITY

BROOKVILLE, LONG ISLAND, NEW YORK
Telephone: 516 MAyfair 6-1200.
Founded 1926.

Chancellor: R. GORDON HOXIE.
Vice-Chancellor for Academic Affairs: H. C. MILLS.
Vice-Chancellor for Development: (Vacant).
The Brooklyn Center:
Vice-President and Provost: W. M. BIRENBAUM.
Dean, Richard L. Conolly College: M. M. KLEIN.
Librarian: N. RESNICK.
C. W. Post Campus:
Provost: P. K. EWALD.
Dean, C. W. Post College: A. P. SPIEGEL.
Librarian: E. H. BEHYMER.
Brooklyn College of Pharmacy:
Provost-Dean: A. G. ZUPKO.
Southampton Campus:
Provost: E. C. GLANZ.
Librarian: L. R. GREENE.
Dean of Graduate Faculties: E. ARDEN.
Acting Dean, Arthur T. Roth Graduate School of Business Administration: C. CASELLA.
Acting Dean, Graduate School of Education: J. M. LAHR.
Director, Carleton and Winthrop Palmer Graduate Library School: E. H. BEHYMER.

The libraries contain 220,000 volumes.
Number of teachers: 900 (approx.).
Number of students: 14,500 (approx.).

MANHATTAN COLLEGE

BRONX, NEW YORK 10471

Founded as Academy of the Holy Infancy 1853; Chartered as Manhattan College 1863 (Roman Catholic: men only in undergraduate degree programmes; women admitted to Graduate Division and to special programmes).

President and Treasurer: Bro. GREGORY, F.S.C., PH.D., LL.D.
Academic Vice-President: Bro. CASIMIR STEPHEN, F.S.C., M.A., S.T.D.
Vice-President for Student Services: Bro. BARNABAS EDWARD, F.S.C., M.S.
Vice-President for Business and Finance: J. P. GAFFNEY, B.S.
Controller: F. X. DELANEY, B.B.A.
Bursar: W. B. AUSTIN, B.B.A.
Vice-President for Planning and Development: R. F. CARMICHAEL, B.A.
Registrar: Bro. AQUILINUS JOSEPH, F.S.C., PH.D.
Director of Library: Bro. ANDREW OF THE CROSS, F.S.C., M.A.

Number of teachers: 258.
Number of students: 4,129.
Library: 110,000 volumes, 530 periodicals.

DEANS:

Arts and Sciences: Bro. ABDON LEWIS, F.S.C., M.A.
Engineering: R. T. WEIL, Jr., M.S., P.E.
Business: Bro. C. FRANCIS, F.S.C., M.A., M.B.A., MUS.D.
Graduate Division: Bro. ALBAN OF MARY, F.S.C., PH.D.

MANHATTAN SCHOOL OF MUSIC

238 EAST 105TH STREET,
NEW YORK, N.Y. 10029
Telephone: EN. 9-2202.
Founded 1917.

Director: JOHN BROWNLEE.
Admissions Officer: S. BEDNAR.
Librarian: D. MCLEOD.

The library contains 60,401 volumes.
Number of teachers: 111.
Number of students: 653.

MANHATTANVILLE COLLEGE OF THE SACRED HEART

PURCHASE, NEW YORK 10577
Telephone: 914-WH-6-9600.
Founded 1841.

President: E. M. O'BYRNE, R.S.C.J.
Registrar: J. M. HUNTER, R.S.C.J.
Librarian: E. O'CONNOR, R.S.C.J.

The library contains 116,000 volumes.
Number of teachers: 93.
Number of students: 939.

MARY ROGERS COLLEGE

MARYKNOLL P.O., NEW YORK
Telephone: Wilson 1-7575.
Founded 1932.

President: Sister JEANNE M. LYONS.
Registrar: Sister MARY J. GREBLE.
Librarian: Sister MIRIAM D. LATHAM.

The library contains 40,687 volumes.
Number of teachers: 21.
Number of students: 243.

MARYKNOLL SEMINARY

MARYKNOLL, NEW YORK 10545
Telephone: 914 WI 1-7590.
Founded 1912.

President: Rev. GEORGE L. WEBER, M.M.
Registrar: Rev. E. F. MALONE, M.M.
Librarian: Rev. A. E. BROWN, M.M.

The library contains 39,000 volumes.
Number of teachers: 16.
Number of students: 170.

MARYMOUNT COLLEGE

TARRYTOWN, NEW YORK 10592
Telephone: MEdford 1-3200.
Founded 1907.

President: Sister M. BRENDAN, R.S.H.M.
Dean of Admissions: Sister RICHARD MARIE, R.S.H.M.
Librarian: Sister JEANNE D'ARC, R.S.H.M.

The library contains 54,000 volumes.
Number of teachers: 93.
Number of students: 850.

MARYMOUNT-MANHATTAN COLLEGE

221 EAST 71ST STREET,
NEW YORK, N.Y. 10021
Telephone: UN 1-4200.
Founded 1936.

President: Mother M. JOGUES EGAN.
Registrar: Sister ST. ALICE.
Librarian: Sister AGNES.

The library contains 30,000 volumes.
Number of teachers: 75.
Number of students: 565.

MILLS COLLEGE OF EDUCATION

66 FIFTH AVENUE,
NEW YORK, N.Y. 10011
Telephone: 675—OR 5-0830.
Founded 1909.

President: Dr. AMY HOSTLER.
Registrar: Dr. C. KEUTZER.
Librarian: Miss ELIZABETH CAMERON.

The library contains 31,263 volumes.
Number of teachers: 32.
Number of students: 410.

MOUNT ST. JOSEPH COLLEGE

18 AGASSIZ CIRCLE,
BUFFALO, NEW YORK 14214
Telephone: TT3-9057.
Founded 1925.

President: Sister MARY LAWRENCE, S.S.J.
Registrar: Sister M. THEODOSIA, S.S.J.
Librarian: Sister JOSEPH THERESE, S.S.J.

The library contains 30,000 volumes.
Number of teachers: 34.
Number of students: 497.

NEW SCHOOL FOR SOCIAL RESEARCH

66 WEST 12TH STREET,
NEW YORK 11, N.Y.
Founded 1919.

President: ROBERT M. MACIVER (acting).
Vice-Presidents: CLARA W. MAYER, A. L. SWIFT, Jr., C. ROOSEVELT.

The library contains 25,000 volumes.

Number of teachers: 288.
Number of students: 5,200.
Publication: *Social Research* (quarterly).

DEANS:

Graduate Faculty of Political and Social Science: H. WHITE.
New School Adult Education: W. M. BIRENBAUM.

NEW YORK UNIVERSITY

NEW YORK 3, N.Y.
Telephone: Spring 7-2000.
Telegraphic Address:
Nyuniver, New York.
Founded 1831.

President: JAMES M. HESTER, A.M., D.PHIL., D.C.L., L.H.D., LL.D.
Chancellor and Executive Vice-President: R. D. NILES, LL.B., J.S.D., LL.D.
Vice-President: F. L. HOWLEY, B.S. IN COM., LL.D.
Vice-President and Secretary: T. C. POLLOCK, A.M., PH.D., D.H.C., LITT.D.
Vice-President for Business Affairs: P. L. AGNEW, A.M., ED.M., PH.D.
Vice-President for Medical Affairs: G. E. ARMSTRONG, M.D., LL.D.
Vice-President for Scientific Affairs: W. A. BAUM, M.S., PH.D.
Vice-President for University Development: G. H. WILLIAMS, LL.B.
Vice-President for University Relations: T. P. ROBINSON, A.M., PH.D.
Treasurer and Controller: T. H. HOPKINS, PH.B., M.B.A.
Assistant Executive Vice-President: F. H. JACKSON, A.M., PH.D.
Budget Co-ordinator: L. I. BROOKNER, A.M.
Director of Admissions: A. L. GOREN, A.M.
Dean of Financial Aid: E. C. KASTNER, LL.D.
Dean of Students: D. W. HOUK, A.B., A.M., ED.D., LL.D.
Director of New York University Libraries: C. F. GOSNELL, M.S., PH.D.
Director of University Summer Sessions: J. C. PAYNE, A.M., PH.D.
Registrar: R. B. VON GUERARD, M.S.

The library contains 1,467,000 volumes.
Number of teachers: 4,997.
Number of students (1964-65): 27,571 men, 14,396 women, total 41,967.

DEANS:

University College of Arts and Sciences: J. W. KNEDLER, Jr., A.M., PH.D.
School of Law: M. A. DE CAPRILES, A.M., J.D.
School of Medicine and Post-Graduate Medical School: S. J. FARBER, A.B., M.D. (Acting Dean).
School of Engineering and Science: J. R. RAGAZZINI, A.M., PH.D., E.E.
College of Dentistry: R. J. NAGLE, D.M.D., SC.D.
Dean of Graduate School of Arts and Science: G. W. STONE, Jr., A.M., PH.D.
School of Education: D. E. GRIFFITHS, ED.M., PH.D.
School of Commerce: A. L. GITLOW, A.M., PH.D. (acting).
Washington Square College of Arts and Science: W. E. BUCKLER, A.M., PH.D.
Graduate School of Business Administration, Executive Dean of the Schools of Business: J. H. TAGGART, M.B.A., PH.D., LL.D.
Institute of Retail Management: C. M. EDWARDS, Jr., M.S., D.C.S., LL.D.
Division of General Education and Extension Services: R. F. W. SMITH, A.M. (acting).
Graduate School of Public Administration: R. F. HARVEY, A.M., PH.D.
Graduate School of Social Work: A. ROSEN, M.S., PH.D.
School of the Arts: R. W. CORRIGAN, A.M., PH.D.

PROFESSORS:

University College of Arts and Science:
ADAM, T. R., A.M., LL.B., Political Science
ALLEN, GAY W., A.M., PH.D., English
BALDWIN, M. W., A.M., PH.D., History
BLANK, A. A., M.S., PH.D., Mathematics
BOROWITZ, S., M.S., PH.D., Physics
CHAPMAN, H. M., A.M., PH.D., Philosophy
DALTON, H. C., A.M., PH.D., Biology
DAVIS, T. W., M.S., PH.D., Chemistry
DRAKE, O. J., A.M., LL.D., Speech
FICKEN, F. A., A.M., PH.D., Mathematics
FOWKES, R. A., A.M., PH.D., German
GIDDINGS, H. A., PH.D., Mathematics
GREENFIELD, A. M., Music
HAINES, W. W., A.M., PH.D., Economics
HALL, R. P., A.M., PH.D., Biology
HAMMOND, H. E., A.M., PH.D., History
HAYWOOD, R. M., PH.D., Classics
HEEREMANS, H. J., Music
HELLER, J., M.AERO.E., PH.D., Mathematics
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KNEDLER, J. W., Jr., A.M., PH.D., English
KORFF, S. A., A.M., PH.D., Physics
MCADAM, E., Jr., A.M., PH.D., English
MILLER, E. H., A.M., PH.D., English
REISS, E. L., M.AERO.E., ENG.SC.D., Mathematics
RICCI, J. E., M.S., PH.D., Chemistry
RITTER, I. F., M.S., PH.D., Mathematics
SCHECHTER, M., M.S., PH.D., Mathematics
SILVERMAN, R. E., PH.D., Psychology
STRAETZ, R. A., A.M., PH.D., Government
TAYLOR, H. A., PH.D., Chemistry
WILSON, E. C., A.M., PH.D., English
ZULLI, F., Jr., A.M., PH.D., Romance Languages

Washington Square College of Arts and Science:
ARNOLD, A. Z., M.S., PH.D., LL.B., Economics
ATYEO, H. C., A.M., PH.D., History
AYALA, F., LIC. EN DER., DOC. EN DER., Spanish
AYEARST, M., A.M., PH.D., Government
BALAKIAN, ANNA E., A.M., PH.D., French
BARRETT, W. C., A.M., P.H.D, Philosophy
BAZER, J., A.M., PH.D., Mathematics
BEAUMONT, A. A., A.M., PH.D., History
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BOYD, R. N., PH.D., Chemistry
BUCKLER, W. E., A.M., PH.D., English
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CARGILL, O., PH.D., English
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CASSON, L. I., A.M., PH.D., Classics
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COOLEY, RITA W., A.M., PH.D., Government
CROSMAN, A. M., A.M., PH.D., Biology
CROTTY, W. J., PH.D., Biology
EDEL, L., DOC. ÈS LET., LITT.D., English
EHRET, W. F., A.M., PH.D., Chemistry
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EMERSON, R. S., B.S., Television, Motion Pictures and Radio
FAGG, J. E., A.M., PH.D., History
FALK, MINNA R., A.M., PH.D., History
FALNES, O. J., A.M., PH.D., History
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KOMAREK, VIOLA WYCKOFF, A.M., PH.D., Economics
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LEWIN, S. Z., M.S., PH.D., Chemistry
MAGIDOFF, R., PH.D., Russian
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MATEYKO, GLADYS M., A.M., PH.D., Biology
MCKEE, K. N., A.M., PH.D., French
MIDDLEBROOK, LEAH RUTH, A.M., English
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NOSS, H. H. B., A.M., PH.D., History
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PERLMUTTER, A. M.S., SC.D., Biology
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TOVEN, J. R., A.M., PH.D., Spanish
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WILKE, W. H., A.M., PH.D., Psychology

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BIRMAN, J. L., A.M., PH.D., Physics
BIRNBAUM, A., PH.D., Mathematical Statistics
BLANCKENHAGEN, P. H. VON., PH.D., Fine Arts
BOBER, H., A.M., PH.D., Fine Arts
BRAM, J., LIC. ÈS LET., PH.D., Sociology and Anthropology

BROMBERG, E., A.M., PH.D., Applied Mathematics
BUCHTHAL, H. H., DR.PHIL., Fine Arts
CAMERON, K. N., B.LITT., A.M., PH.D., English
CHEIN, I., A.M., PH.D., Psychology
CLEMENTS, R. J., A.M., PH.D., DOTT. IN LET., Romance Languages
COHEN, J., A.M., PH.D., Psychology
DE GRAZIA, A., PH.D., Social Theory
DELAHAY, P., LIC. EN SC.CHIM., PH.D., Chemistry
DEUTSCH, J. A., A.M., D.PHIL. (OXON.), Psychology
DONSKER, M. D., A.M., PH.D., Mathematics
EHRENPREIS, L., A.M., PH.D., Mathematics
ELLIS, B. F., M.S., PH.D. (HON.), SC.D., Geology
FISHER, J. H., A.M., PH.D., English
FREIDSON, E. L., A.M., PH.D., Sociology and Anthropology
FRIEDRICHS, K. O., PH.D., Applied Mathematics
GARABEDIAN, P. R., A.M., PH.D., Mathematics
GERSHOY, L., A.M., PH.D., History
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GLASSGOLD, A. E., PH.D., Physics
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HIRSCH, W. M., M.S., PH.D., Mathematics
HOCHBERG, J., A.M., PH.D., Psychology
HOLT, R. R., A.M., PH.D., Psychology
HOOK, S., A.M., PH.D., L.H.D., Philosophy
HORWITZ, M., PH.D., Psychology
HOVET, T., Jr., A.M., PH.D., International Relations
HUBBELL, A. F., A.M., PH.D., English
ISAACSON, E., M.S., PH.D., Mathematics
JOHN, F., PH.D., Mathematics
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ZUMINO, B., DOTT.M.SCI., Physics

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BACKMAN, J., A.M., M.B.A., D.C.S., Economics, Research Professor
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BUCKHAM, W. B., A.M., Business Writing
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JANIS, J. H., A.M., Business Writing
JOHNSON, A. W., M.B.A., C.P.A., Accounting
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KURNOW, E., M.S.(EDUC.)., PH.D., Business Statistics
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BUÄHER, C. A., A.M., ED.D., Physical Education, Health and Recreation
BURROWS, ALVINA T., A.M., ED.D., Early Childhood and Elementary Education
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PIERSON, W. J., Jr., PH.D., Oceanography
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REHBERG, C. F., A.M., M.E.E., Electrical Engineering
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SPAR, J., M.S., PH.D., Meteorology
STROM, G. H., M.S.(AERO.ENG.), PH.D., Aeronautics and Astronautics
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TING, L. M.S., ENG. SC.D., Aeronautics and Astronautics
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WORK, H. K., PH.D., CH.E., Research Management
ZAKKAY, V., M.AERO.E., D.AERO.E., Aeronautics and Astronautics

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MULHOLLAND, J. H., A.B., M.D., Surgery
NELSON, N., A.B., PH.D., Environmental Medicine
NEMIR, ROSA L., A.B., M.D., Pædiatrics
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OVARY, Z., LIC. ÈS SCIEN., M.D., Pathology
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WARNER, R. C., M.S., PH.D., Biochemistry
WILENS, S. L., B.S., M.D., Pathology
WINDLE, W. F., B.S., M.S., PH.D.(HON.), SC.D., Physical Medicine and Rehabilitation
WISE, G. N., B.S., M.D., MED.SC.D., Ophthalmology
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ZWEIFACH, B. W., B.S., M.S., PH.D., Pathology

College of Dentistry:
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BLASS, J. L., D.D.S., Periodontia and Oral Medicine
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HEMLEY, S., D.D.S., Orthodontics
HYMAN, M., D.D.S., Oral Diagnosis
LEVY, M., B.S., PH.D., Biochemistry
LIEBMAN, F. M., A.B., PH.D., D.D.S., Physiology and Pharmacology
MORRISON, A. H., D.D.S., Operative Dentistry
NAGLE, R. J., A.B., D.M.D., SC.D. (HON.), Denture Prosthesis
ROBINSON, H. L., A.B., M.D., Pathology
SORRIN, S., D.D.S., Periodontia and Oral Medicine
STAHL, S. S., M.S., D.D.S., Periodontia and Oral Medicine

Institute of Retail Management:
EDWARDS, C. M., Jr., B.S.(BUS.ADMIN.), M.S.(RETAILING), D.C.S., LL.D., Retail Management
ELLSWORTH, T. D., B.S., DR.M., PH.D., Retail Management
GILLISPIE, KAREN R., A.B., M.S.(RETAILING), ED.D., Retail Management
KRUSA, H. E., A.B., M.S.(RETAILING), PH.D., Retail Management
SCHALLER, E. O., A.B., M.S.(RETAILING), D.C.S., Retail Management
WINGATE, ISABEL B., A.B., M.S.(RETAILING), PH.D., Retail Management

Graduate School of Public Administration and Social Service:
BERKMAN, H. G., A.M., PH.D., Planning
BOYLE, G. J., A.M., PH.D., Public Administration
CHUTE, C. F., PH.D., Public Administration
DEAN, VERA M., A.M., PH.D., L.H.D., LITT.D., LL.D., International Development
HARVEY, R. F., A.M., PH.D., Public Administration
MAILICK, S., A.M., PH.D., Public Administration
NETZER, D., A.M., M.P.A., PH.D., Public Finance
MYERS, DOROTHY C., M.S.W., PH.D., Public Administration
NORTON, P. L., B.L.A., M.C.P., Planning
SOMIT, A., PH.D., Public Administration
SPERO, S. D., A.M., PH.D., Public Administration
TRAGER, F. M., A.M., PH.D., International Affairs
WESTMEYER, T. R., M.S., PH.D., Public Administration

Graduate School of Social Work:
ROSEN, A., M.S., PH.D., Social Work

School of the Arts:
CORRIGAN, R. W., A.M., PH.D., Dramatic Literature
HOFFMAN, R., A.M., Drama

Reserve Officers' Training Corps:
NICHOLSON, A. F., A.B., M.B.A., Aerospace Studies
UNDERWOOD, J. H., B.G.E., Military Science

Division of Athletics:
OBECK, V. F., A.M., Director of Athletics, Professor of Physical Education, Health and Recreation

Division of General Education and Extension Services:
BOWER, W. E., A.M., English
GOBETZ, W., A.M., PH.D., Psychology
ROTH, S. G., A.M., Mathematics
SELLIN, H. S., A.M., LL.B., LL.M. (IN TAXATION), Taxation
SMITH, R. F. W., A.M., Adult Education

NIAGARA UNIVERSITY
NEW YORK

Telephone: Butler 5-9361.

Founded 1856.

President: VINCENT T. SWORDS.
Academic Vice-President: R. J. RIVARD.

Registrar: M. J. TUMULTY.
Librarian: B. H. DOLLEN.

The library contains 60,889 volumes.
Number of teachers: 146, including 27 professors.
Number of students: 2,000.
Publications: *Index* (weekly), *Niagaran* (annually), *The Aquila* (twice yearly).

DEANS:

College of Arts and Sciences: R. J. RIVARD.
College of Business Administration: C. J. EDGETTE, B.B.A.
Graduate School and School of Education: K. SLATTERY.
Seminary: P. DION.
College of Nursing: Sister OLIVE MARIE.
Students: J. W. CAINE.

NYACK MISSIONARY COLLEGE

NYACK, NEW YORK
Telephone: Area Code 914, ELmwood 8-1710.
Founded 1882.

President: Rev. HAROLD W. BOON, PH.D., LL.D.
Registrar: Rev. T. R. BREWER.
Librarian: Miss MAY K. LEO.

The library contains 30,000 volumes.
Number of teachers: 53.
Number of students: 585.

PACE COLLEGE

41 PARK ROW, NEW YORK, N.Y. 10038
Telephone: BA 7-8200.
Founded 1906.

President: Dr. EDWARD J. MORTOLA.
Registrar: W. E. JOYCE.
Librarian: H. BIRNBAUM.

The library contains 75,000 volumes.
Number of teachers: 383.
Number of students: 7,384.

POLYTECHNIC INSTITUTE OF BROOKLYN

333 JAY STREET, BROOKLYN 1, NEW YORK
Telephone: Ulster 5-8000.
Founded 1854.

President: ERNST WEBER.
Administrative Vice-Presidents: Prof. C. E. SCHAFNER and Prof. W. L. MCCABE.
Academic Vice-President: Prof. J. G. TRUXAL.
Research Vice-President: Prof. N. MARCUVITZ.
Comptroller: A. E. SPRUCK.
Registrar: G. S. EATON.
Librarian: W. N. BOES.

Number of teachers: 500.
Number of students: 5,500.

DEANS:

Graduate School: A. B. GIORDANO.
Students: H. Q. MIDDENDORF.

PRATT INSTITUTE

215 RYERSON STREET, BROOKLYN 5, NEW YORK
Founded 1887.

President: RICHARD H. HEINDEL, M.A., PH.D., LITT.D.
Treasurer: F. C. TANNER, SC.D.
Secretary: R. ESTES, B.L.S., M.A.
Registrar: MARY A. MULKEY.
Business Manager: S. H. MILLARD, B.S.
Comptroller: H. M. RELYEA, B.A.
Vice-President for Student Affairs: L. RABINEAU, M.A., ED.D.
Dean of Students: L. AUSTIN, B.S., M.B.A. (acting).
Librarian: R. ESTES, B.L.S., M.A.

Number of teachers: 293.
Number of students: 2,527 day students, 1,254 evening students, total 3,781.
Publication: *Pratt Institute Bulletin.*

DEANS:

Art School: A. CHRIST-JANER.
Engineering School: R. H. COOK.
School of Continuing Professional Studies: B. W. REED, B.S.
Library School: L. D. SASS, M.A., PH.D.
School of Architecture: O. GROSSI, B. OF ARCH., M.S. IN ARCH., N.C.A.R.B.
Division of General Studies: R. E. NOBLE, M.A., PH.D.

RENSSELAER POLYTECHNIC INSTITUTE

110 8TH STREET, TROY, NEW YORK
Telephone: Ashley 2-3000.
Founded 1824.

President: RICHARD G. FOLSOM, PH.D.
Vice-Presidents: H. A. JONES, B.S., C. O. DOHRENWEND, PH.D., W. N. HUDSON, B.A.
Provost: C. O. DOHRENWEND, PH.D.
Registrar: J. A. DUNLOP, C.E., M.C.E.
Librarian: E. A. CHAPMAN, B.S.E., M.L.S.

The library contains 100,000 volumes.
Number of teachers: 689.
Number of students: 4,473 men, 59 women, total 4,532.
Publications: *General Catalogue, Graduate Catalogue, Register of Students.*

DEANS:

Science: W. H. BAUER, PH.D.
Engineering: A. A. BURR, PH.D.
Humanities and Social Sciences: R. A. MUELLER, PH.D.
Architecture: G. A. DUDLEY, M.F.A.
Graduate School: E. B. ALLEN, PH.D.
Students: IRA E. HARROD, M.S.

ROBERTS WESLEYAN COLLEGE

NORTH CHILI, NEW YORK
Telephone: 594-9471.
Founded 1866.

President: ELLWOOD A. VOLLER.
Registrar: D. F. MOHNKERN.
Dean of Admissions: D. L. MASON.

Librarian: Miss ORA ANN SPRAGUE.

The library contains 35,000 volumes.
Number of teachers: 54.
Number of students: 600.

ROCHESTER INSTITUTE OF TECHNOLOGY

65 PLYMOUTH AVENUE SOUTH, ROCHESTER 8, NEW YORK
Telephone: 546-6400.
Founded in 1829 as the Rochester Athenaeum.

President: MARK ELLINGSON, M.A., PH.D., LL.D.
Vice-President, Academic Administration: L. F. SMITH, M.A., PH.D.
Vice-President, Business and Finance: F. P. BENZ, M.B.A.
Vice-President, Development and Public Relations: A. L. DAVIS, M.A.
Vice-President, Student Personnel Services: J. B. CAMPBELL, M.S., ED.D.
Librarian: T. E. STRADER, M.S. IN L.S.

The library contains 65,000 volumes.
Number of teachers: 180 day, 395 evening.

DEANS:

Applied Science: E. T. KIRKPATRICK, M.S., PH.D.
Business: EDWINA B. HOGADONE, M.A.
Fine and Applied Arts: H. J. BRENNAN, M.A.
Graphic Arts and Photography: C. B. NEBLETTE, HON. P.S.A., F.R.P.S.
Science: R. L. VAN PEURSEM, M.S., PH.D.
General Studies: J. W. WILSON, M.A., PH.D.
Evening College: R. D. PEASE, M.A., ED.D.

THE ROCKEFELLER UNIVERSITY

NEW YORK, N.Y. 10021
Telephone: 212-Lehigh 5-900.
Founded 1901; became a graduate university in 1954; name changed from Rockefeller Institute to Rockefeller University in 1965.

President: DETLEV W. BRONK, A.B., M.S., PH.D., SC.D., ENG.D., D.MED.SC., D.LITT., M.D.(HON.), L.H.D., LL.D., DR. h.c.
Vice-President (Medicine): M. MCCARTY, A.B., M.D.
Vice-President (Psychology): C. PFAFFMANN, M.A., PH.D.
Dean of Graduate Studies: F. BRINK, Jr., B.S., M.S., PH.D.

The library contains 82,000 volumes.
Number of teachers: 285.
Number of graduate studies: 108.
Publications: *Bulletin* (Annual Report and Catalogue Issue), *Journal of Experimental Medicine, Journal of General Physiology, Journal of Cell Biology, Biophysical Journal, The Rockefeller University Review.*

PROFESSORS:

AHRENS, E. H., Jr., M.D., Biochemistry and Medicine
ALLFREY, V. G., B.S., A.M., PH.D., General Physiology

ARCHIBALD, R. MACG., A.B., A.M., PH.D., M.D., Medicine
BEARN, A. G., M.B., B.S., M.D., Medicine
BRAUN, A. C., PH.D., Plant Pathology
BRINK, F., Jr., M.S., PH.D., Biophysics
BRONK, D. W., M.S., PH.D., SC.D., ENG.D., D.MED.SC., D.LITT., M.D. (HON.), L.H.D., LL.D., DR. H.C., Biophysics
CHASE, M. W., SC.M., PH.D., Immunology and Microbiology
COHEN, E. G. D., PH.D., Theoretical Physics
CRAIG, L. C., PH.D., Biochemistry
DE DUVE, C. R., M.D., M.SC., Biochemistry
DOBZHANSKY, T., D.SC. Population Genetics
DOLE, V. P., A.B., M.D., Medicine
DUBOS, R. J., B.S., M.S., PH.D., SC.D., M.D. (HON.), L.H.D., LL.D., Pathology and Microbiology
EDELSTEIN, L., PH.D., Classical Philosophy and Science
GOEBEL, W. F., A.B., A.M., PH.D., D.SC., Biochemistry
GRANICK, S., B.S., M.S., PH.D., Biochemistry
GRIFFIN, D. R., M.A., PH.D., Biology
HARTLINE, H. K., B.S., M.D., SC.D., Biophysics
HIRSCH, J. G., B.S., M.D., Medicine and Microbiology
HOTCHKISS, R. D., B.S., PH.D., D.SC., Cellular Physiology
KAC, M., MAG.PHIL., PH.D., Mathematics
KUNKEL, H. G., A.B., M.D., Biochemistry and Immunology
LIPMANN, F. A., M.D., PH.D., M.D. (HON.), M.A. (HON.), SC.D., L.H.D., Biochemistry
LLOYD, D. P. C., B.A., B.SC., D.PHIL., D.SC., Physiology
LONGSWORTH, L. G., A.B., A.M., PH.D., Physical Chemistry
LORENTE DE NÓ, R., M.D., M.D. (HON.), SC.D., Physiology
McCARTY, M., A.B., M.D., Medicine
MIRSKY, A. E., A.B., PH.D., M.D. (HON.), General Physiology
MOORE, S., A.B., PH.D., M.D. (HON.), Biochemistry
PAIS, A., B.SC., M.SC., PH.D., Physics
PALADE, G. E., M.D., Cytology
ROTA, G. C., M.A., PH.D., Mathematics
SHEDLOVSKY, T., S.B., PH.D., Physical Chemistry
SHOPE, R. E., M.D., M.S. (HON.), V.M.D. (HON.), SC.D., Animal Pathology
STEIN, W. H., B.S., PH.D., Biochemistry
TAMM, I., M.D., Virology and Medicine
TATUM, E. L., A.B., M.S., PH.D., M.S. (HON.), LL.D., Biochemical Genetics
TRAGER, W., B.S., A.M., PH.D., SC.D., Parasitology
UHLENBECK, G. E., PH.D., SC.D. (HON.), Theoretical Physics
WOOLLEY, D. W., B.SC., M.S., PH.D., M.D. (HON.), LL.D., Biochemistry
ZINDER, N. D., A.B., M.S., PH.D., Microbial Genetics

ROSARY HILL COLLEGE

4380 MAIN STREET,
BUFFALO, NEW YORK 14226
Telephone: Area Code 716, TF 9-3600.
Founded 1948.

President: Sister M. ANGELA, O.S.F.
Registrar: Sister M. CONCETTA, O.S.F.
Director of Admissions: Sister M. DESALES, O.S.F.
Librarian: Sister M. PATRICE, O.S.F.

The library contains 43,636 volumes.
Number of teachers: 85.
Number of students: 1,000.

RUSSELL SAGE COLLEGE

TROY, NEW YORK
Founded 1916.

President: Dr. LEWIS A. FROMAN.
Dean: VIRGINIA L. HARVEY.
Business Manager: R. C. DEBUS.
Director of Admissions: SUSAN A. EDWARDS.
Librarian: MARGARET R. MEYER.

Number of teachers: 77.
Number of students: 950 women.

ST. BERNADINE OF SIENA COLLEGE

LOUDONVILLE, NEW YORK 12211
Telephone: Area Code 518, STate 5-8511.
Founded 1937.

President: Rev. BRIAN F. DUFFY, O.F.M.
Director of Admissions: B. P. CURRUER.
Librarian: Rev. A. HARDY, O.F.M.

The library contains 113,000 volumes.
Number of teachers: 121.
Number of students: 1,995.

SAINT BONAVENTURE UNIVERSITY

SAINT BONAVENTURE, NEW YORK
Telephone: FR 2-0300.
Founded 1859.

Chairman, Board of Trustees: Very Rev. DONALD HOAG, O.F.M.
Vice-Chairman, Board of Trustees: Rev. H. BLAKE, O.F.M.
President: Very Rev. F. W. KEARNEY, O.F.M., PH.D.
Vice-President for Academic Affairs: Rev. C. A. WELCH, O.F.M., PH.D.
Registrar: A. J. MILLER.
Librarian: Rev. I. HERSCHER, O.F.M., M.A.

Number of teachers: 190.
Number of students: 2,326.
Publications: *Cithara, Laurel, Bonadieu, Bonaventure, Cord.*

DEANS:

School of Arts and Sciences: Rev. Z. O'FRIEL, O.F.M., PH.D.
School of Business: Rev. F. O'ROURKE, O.F.M., LL.B.
School of Education: J. F. O'MALLEY, PH.D.
School of Theology: Very Rev. J. LALOR, O.F.M., PH.D.
School of Graduate Studies: Rev. T. REYNOLDS, O.F.M., PH.D.
Extension, Evening and Summer Sessions: L. E. KEENAN, M.A. (Director).
Franciscan Institute: J. P. REILLY, Jr., PH.D. (Director).

ST. FRANCIS COLLEGE

180 REMSEN STREET,
BROOKLYN, NEW YORK 11201
Telephone: JAckson 2-2300.
Chartered 1884.

President: Bro. URBAN GONNOUD, O.S.F.
Registrar: Bro. L. McHUGH, O.S.F.
Librarian: Bro. A. DROWNE, O.S.F.

The library contains 35,000 volumes.
Number of teachers: 90.
Number of students: 1,100 full-time.

SAINT JOHN'S UNIVERSITY

GRAND CENTRAL AND UTOPIA PARKWAYS,
JAMAICA 11432, NEW YORK
Telephone: JAmaica 6-3700.

Opened 1870; Chartered 1871; re-Chartered by Regents of the University of the State of New York 1906.

President: Very Rev. JOSEPH T. CAHILL, C.M.
Academic Vice-President: Rev. D. P. MUNDAY, C.M.
Executive Vice-President: Rev. M. J. MULLIN, C.M.
Vice-President for Business Affairs and Treasurer: Rev. L. A. FEY, C.M.
Registrar: H. F. ROSSI.
Librarian: W. A. GILLARD.

The library contains 192,000 volumes.
Number of teachers: 635.
Number of students: 13,052.

DEANS:

Arts and Sciences: J. J. REGAN, C.M.
Business Administration: J. J. CLARK.
Education: H. C. CLISH.
Graduate: Rev. C. F. MEYER, C.M.
Law: Dr. H. F. McNIECE.
Pharmacy: A. BARTILUCCI.
Summer Session: MARGARET B. KELLY.

ST. JOSEPH'S COLLEGE FOR WOMEN

245 CLINTON AVENUE,
BROOKLYN, NEW YORK 11205
Telephone: MA. 2-4696.
Founded 1916.

President: Sister VINCENT THERESE.
Registrar: Sister CATHERINE MARIA.
Librarian: Sister MARY WINIFRED.

The library contains 55,000 volumes.
Number of teachers: 75.
Number of students: 915.

SAINT LAWRENCE UNIVERSITY

CANTON, NEW YORK 13617
Telephone: Canton 315-386-4551.
Founded 1856.

President: FOSTER S. BROWN, ED.D.
Director of Business Affairs: F. A. BROKAW.
Secretary: FRANCES L. COTTER.
Registrar: HELEN E. WHALEN.
Director of Admissions: J. MUYSKENS, Jr.
Librarian: A. K. PETERS.

Number of teachers: 108.
Number of students: 985 men, 572 women, total 1,557.
Publications: *Bulletin* (five issues annually), *Hill News* (weekly), *Laurentian* (quarterly), *Gridiron* (annual).

DEANS:
College of Letters and Science: Dr. J. J. ROMODA.
Theological School: Dr. M. KAPP.
Students: W. H. BAUMHOFF.
Women: JOANNE D. STILES.

SARAH LAWRENCE COLLEGE
BRONXVILLE 8, NEW YORK

Provisional Charter 1926; Absolute Charter 1931.
(Women only in undergraduate college; men admitted as graduate students).

President: PAUL L. WARD, PH.D., LL.D., L.H.D.
Dean of the College: MARJORIE DOWNING, A.M., PH.D.
Comptroller: EDITH G. MORRISON, A.B.
Director of Admissions: ALICE M. BOVARD, A.M.
Registrar: MURIEL E. HAWKS, A.B.
Librarian: ERMINE STONE, A.B.

The library contains 104,000 volumes.
Number of teachers: 87.
Number of students: 632.

SKIDMORE COLLEGE
SARATOGA SPRINGS, NEW YORK 12866
Telephone: 584-5000.
Founded 1911.

President: JOSEPH C. PALAMOUNTAIN, Jr.
Registrar: Miss SHIRLEY KNIGHT.
Director of Admissions: Mrs. CARL HERMANN VOSS.
Librarian: Miss GLADYS M. BROWNELL.

The library contains 105,563 volumes.
Number of teachers: 118 full-time, 20 part-time.
Number of students: 1,334.

STATE UNIVERSITY OF NEW YORK
8 THURLOW TERRACE, ALBANY, NEW YORK 12201
Telephone: Area Code 518, GRidley 4-4085.

President: SAMUEL B. GOULD, M.A., LL.D.
Provost: H. W. PORTER, M.S., PH.D.
Executive Vice-President: J. L. MURRAY.
Vice-President for Business Affairs: C. H. FOSTER, A.B.
Assistant Vice-President and Controller: R. W. KETTLER, M.A.
Assistant Vice-President for Personnel: D. S. PRICE, M.P.A., D.P.A.
Assistant Vice-President for Architecture and Facilities: E. W. STEVENS, M.ARCH.
Assistant Vice-President for Communications: R. E. THOMAS, M.A.
Executive Dean for University-wide Activities: E. L. BOYER, M.A., PH.D.
Executive Dean for Four-Year Colleges: J. A. FROST, M.A., PH.D.
Associate Executive Dean for Four-Year Colleges; F. T. LANE, B.ED., M.A., PH.D.
Executive Dean for Two-Year Colleges: S. V. MARTORANA, A.M., PH.D.
Associate Executive Dean for Two-Year Colleges: K. T. DORAN, M.S., (ED.) ED.D.
Executive Dean for International Studies G. A. OLDS, B.D., M.A., PH.D.
Executive Dean for University Centers: H. C. SYRETT, M.A., PH.D.

Number of teachers: State Colleges: 4,986 full-time, 706 part-time, total 5,692; Community Colleges: 1,843 full-time, 240 part-time, total 2,083.

Number of students: State Colleges: 60,545 full-time, 17,449 part-time, total 77,994; Community Colleges: 31,719 full-time, 37,477 part-time, total 69,196.

UNIVERSITY CENTERS

State University at Albany.
President: E. R. COLLINS.

State University at Binghamton.
President: G. B. DEARING.

State University at Buffalo.
President: C. C. FURNAS.

State University at Stony Brook.
President: J. S. TOLL.

MEDICAL CENTERS

Downstate Medical Center at Brooklyn (New York City).
President: R. A. MOORE.

Upstate Medical Center at Syracuse.
President: C. JACOBSEN.

COLLEGES OF ARTS AND SCIENCE

College at Brockport.
President G. F. ALLEN (acting).

College at Buffalo.
President: P. G. BULGER.

College at Cortland.
President: K. E. YOUNG.

College at Fredonia.
President: O. E. LANFORD.

College at Geneseo.
President: R. W. MACVITTIE.

College at New Paltz.
President: W. J. HAGGERTY.

College at Oneonta.
President: R. F. NETZER.

College at Oswego.
President: J. E. PERDUE.

College at Plattsburgh.
President: G. W. ANGELL.

College at Potsdam.
President: F. W. CRUMB.

SPECIALISED COLLEGES

College of Forestry at Syracuse University.
Dean: H. L. SHIRLEY.

Graduate School of Public Affairs at Albany.
Dean: O. B. CONAWAY.

Maritime College at Fort Schuyler.
President: H. C. MOORE.

College of Ceramics at Alfred University.
President: (Vacant).

College of Agriculture at Cornell University.
Dean: C. E. PALM.

College of Home Economics at Cornell University.
Dean: HELEN G. CANOYER.

School of Industrial and Labor Relations at Cornell University.
Dean: D. G. MOORE.

Veterinary College at Cornell University.
Dean: G. C. POPPENSIEK.

AGRICULTURAL AND TECHNICAL COLLEGES
(Two-year)

Agricultural and Technical College at Alfred.
President: D. H. HUNTINGTON.

Agricultural and Technical College at Canton.
President: A. E. FRENCH.

Agricultural and Technical College at Cobleskill.
President: E. J. SABOL.

Agricultural and Technical College at Delhi.
President: W. R. KUNSELA.

Agricultural and Technical College at Farmingdale.
President: C. W. LAFFIN, Jr.

Agricultural and Technical College at Morrisville.
President: R. N. WHIPPLE.

COMMUNITY COLLEGES
(Locally-sponsored two-year colleges under the programme of State University)

Adirondack Community College at Hudson Falls.
President: C. R. EISENHART.

Auburn Community College at Auburn.
President: A. T. SKINNER.

Borough of Manhattan Community College at New York City.
President: (Vacant).

Bronx Community College at New York City.
President: M. MEISTER.

Broome Technical Community College at Binghampton.
President: C. C. TYRRELL.

Corning Community College at Corning.
President: W. L. PERRY.

Dutchess Community College at Poughkeepsie.
President: J. F. HALL.

Erie County Technical Institute at Buffalo.
President: S. L. DEITSCH (acting).

Fulton-Montgomery Community Co lege Johnstown.
President: W. L. GRAGG.

Hudson Valley Community College at Troy.
President: J. J. FITZGIBBONS.

Jamestown Community College at Jamestown.
President: A. W. BAISLER.

Jefferson Community College at Watertown.
President: J. E. MCVEAN.

Kingsborough Community College at Brooklyn.
President: J. I. HARTSTEIN.

Mohawk Valley Community College at Utica.
President: A. V. PAYNE.

Monroe Community College at Rochester.
President: LER. V. GOOD.

Nassau Community College at Garden City.
President: G. F. CHAMBERS.

New York City Community College of Applied Arts and Science at Brooklyn.
President: M. H. BLOCK (acting).

Niagara County Community College at Niagara Falls.
President: E. NOTAR.

Onondaga Community College at Syracuse.
President: F. E. ALMSTEAD.

Orange County Community College at Middletown.
President: R. T. NOVAK.

Queensborough Community College at New York City.
President: D. F. KENNY.

Rockland Community College at Suffern.
President: S. ESKOW.

Staten Island Community College at New York City.
President: W. L. WILLIG.

Suffolk County Community College at Selden.
President: A. M. AMMERMAN.

Sullivan County Community College at South Fallsburg.
President: R. K. GREENFIELD.

Ulster County Community College at Kingston.
President: D. B. LAKE.

Westchester Community College at Valhalla.
President: P. C. MARTIN.

SYRACUSE UNIVERSITY

SYRACUSE, NEW YORK 13210

Telephone: GR 6-5571.

Chartered as Syracuse University in 1870.

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The library contains 755,442 volumes.
Number of teachers: 1,234.
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Publications: *Symposium* (biannual on foreign languages and literature), *Syracuse Law Review* (quarterly).

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Treasurer: L. D. MILTIMORE.
Comptroller: D. F. TIMBERLAKE, M.B.S.
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Librarian: E. K. TOLAN, M.A., PH.D., B.L.S.

Number of teachers: 110, University 325.

Number of students: 1,200 men (full-time); total enrolment (University) 2,700.

Publications: *Catalogue, Concordiensis* (weekly newspaper), *Alumni News* (monthly), *Garnet* (Junior Year Book), *Idol* (student literary magazine), *Union College Symposium* (College quarterly).

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Number of cadets: 3,144.

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Number of students: 5,300 men, 2,600 women, total 7,900.

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SAISSELIN, R., PH.D., Foreign and Comparative Literature
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ZAGORIN, P., PH.D., History
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VASSAR COLLEGE

POUGHKEEPSIE, NEW YORK

Chartered 1861.

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Chairman of the Board of Trustees: J. WILKIE, M.B.A.
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Librarian: JEAN MCFARLAND, M.A.

The library contains 353,000 volumes.
Number of teachers: 185, including 51 professors.
Number of students: 1,600 women.

WAGNER COLLEGE

GRYMES HILL, STATEN ISLAND, NEW YORK 10304
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Founded 1883.

President: ARTHUR O. DAVIDSON.
Registrar: MARGUERITE HESS.
Director of Admissions: B. JENSEN.
Librarian: G. MORSE.

The library contains 65,000 volumes.
Number of teachers: 96 full-time, 58 part-time.
Number of students: 2,408.

WEBB INSTITUTE OF NAVAL ARCHITECTURE

GLEN COVE, LONG ISLAND, NEW YORK

Founded 1889.

President: Dr. WILLIAM T. ALEXANDER.
Registrar: Mrs. CAROL S. LONG.
Librarian: F. H. FORREST.

Number of teachers: 12.
Number of students: 70.

WELLS COLLEGE

AURORA, NEW YORK

Founded 1868.

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Dean of Students: R. C. MILLER, M.A.
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Treasurer: D. G. FULTZ, M.S.
Registrar: RUTH W. MOE, B.A.
Director of Admissions: ALICE B. HINCHCLIFF, B.A.

The library contains 132,000 volumes.
Number of teachers: 62.
Number of students: 570.
Publications: *Wells Express, Wells College Catalogue.*

YESHIVA UNIVERSITY

AMSTERDAM AVENUE AND 186TH STREET, NEW YORK, N.Y. 10033
Telephone: LOrraine 8-8400.

Founded 1886.

President: SAMUEL BELKIN, PH.D.
Registrar: M. SILVERMAN, M.A.
Director of Admissions: D. MIRSKY, M.A.
Librarian: A. G. DUKER, PH.D.

Number of teachers: 2,241.
Number of students: 6,000.
Publications: *Horeb, Talpioth, Scripta Mathematica, Sura, Studies in Torah Judaism, Studies in Judaica, Mathematica Press.*

DEANS:

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Yeshiva College of Arts and Science: I. BACON, PH.D.
Stern College for Women: D. VOGEL, PH.D.
Teachers Institute for Men: H. B. GRINSTEIN, B.S., M.A., PH.D. (Director).
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Sue Golding Graduate Division of Medical Sciences: M. D. KOGEL, M.D., L.H.D.

NORTH CAROLINA

APPALACHIAN STATE TEACHERS COLLEGE

BOONE, NORTH CAROLINA 28608
Telephone: 264-8871.

Founded 1903.

President: WILLIAM H. PLEMMONS.
Registrar: B. F. STRICKLAND.
Librarian: W. L. EURY.

The library contains 126,749 volumes.
Number of teachers: 168.
Number of students: 2,959.

ATLANTIC CHRISTIAN COLLEGE

WILSON, NORTH CAROLINA 27873
Telephone: 2373161.

Founded 1902.

President: ARTHUR D. WENGER.
Dean of Admissions: J. D. DANIELL.

Librarian: OTIS W. COEFIELD.

The library contains 60,000 volumes.
Number of teachers: 84.
Number of students: 1,325.

BARBER-SCOTIA COLLEGE

145 DEPOT STREET,
CONCORD, NORTH CAROLINA
Telephone: 782-7613.

Founded 1867.

President: LIONEL H. NEWSOM, PH.D.
Registrar: R. CLARK, M.A.
Librarian: MYRTLE J. DAVIS, M.S. IN L.S.

The library contains 25,000 volumes.
Number of teachers: 30.
Number of students: 317.

BELMONT ABBEY COLLEGE

BELMONT,
NORTH CAROLINA 28012
Telephone: Area Code 704, 825-5147.

Founded 1876.

Chancellor: Rt. Rev. WALTER A. COGGIN, O.S.B.
President: Very Rev. C. E. ALLEN, O.S.B.
Registrar: Rev. J. CLEARY, O.S.B.
Librarian: Rev. D. KESSINGER, O.S.B.

The library contains 62,000 volumes.
Number of teachers: 74.
Number of students: 752.

BENNETT COLLEGE

GREENSBORO,
NORTH CAROLINA, 27402
Telephone: 73-8678.

Founded 1873 (reorganised 1926).

President: WILLA B. PLAYER.
Registrar: MARY M. EADY.
Director of Admissions: MARY T. COLEMAN.
Librarian: CONSTANCE MARTEENA.

The library contains 51,006 volumes.
Number of teachers: 61.
Number of students: 600.

CATAWBA COLLEGE

SALISBURY,
NORTH CAROLINA 8144
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Founded 1851.

President: Dr. DONALD C. DEARBORN.
Registrar: R. JANN.
Director of Admissions: M. M. RICHARDS.
Librarian: A. L. KELLY.

The library contains 66,320 volumes.
Number of teachers: 64.
Number of students: 876.

DAVIDSON COLLEGE

DAVIDSON, NORTH CAROLINA

Founded 1837.

President: D. GRIER MARTIN, B.S., LL.D.
Assistant to the President: F. M. SACKETT, Jr.
Treasurer and Business Manager: R. A. CURRIE, B.S., M.B.A.
Director of Public Relations and Development: R. J. SAILSTAD, B.S., M.A.
Director of Alumni Activities: W. L. BONDURANT, A.B., LL.B.
Director of Admissions and Registrar: F. W. HENGEVELD, B.S.
Bursar and Assistant Treasurer: M. W. McGILL, B.S.
Director of Library: C. G. DAVIDSON, A.B., M.A., PH.D.

Number of teachers: 84, including 42 professors.
Number of students: 1,010.
Publications: *Davidson College Bulletin* (monthly), *The Davidsonian* (weekly student newspaper), *Quips and Cranks* (year book), *Scripts and Pranks* (student magazine published three times a year).

DEANS:

Faculty: F. W. JOHNSTON, A.B., PH.D.
Students: R. C. BURTS, A.B., M.A., ED.D.

DUKE UNIVERSITY

DURHAM,
NORTH CAROLINA 27706
Telephone: 681-0111.

Union Institute Society founded in 1838 in Randolph County, North Carolina. In 1851 the Institute was reorganised as Trinity College, and in 1892 the College was removed to Durham. A new Charter was issued in 1924, when, under the Duke Endowment, it became Duke University.

President: DOUGLAS M. KNIGHT, PH.D., LITT.D., LL.D.
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University Counsel: E. C. BRYSON, LL.B.
Registrar: R. L. TUTHILL, A.M., ED.D.
Librarian: B. POWELL, A.B., B.L.S., PH.D.

Number of teachers: 795 full-time, 169 part-time, total 964.
Number of students: 6,695.
Publications: *American Literature, Duke Mathematical Journal, Ecology, Ecological Monographs, The Hispanic American Historical Review, Journal of Personality, South Atlantic Quarterly, Law and Contemporary Problems, Duke Bar Journal, Journal of Legal Education.*

DEANS:

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Trinity College: J. L. PRICE, Jr., PH.D.
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School of Forestry: E. S. HARRAR, PH.D.
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Summer Session: O. L. PETTY, A.M., PH.D.

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POSTLETHWAIT, R. W., M.D., Surgery
POWELL, B. E., PH.D., University Libraries
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PRESTON, R. A., M.A., PH.D., History
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RUNDLES, R. W., PH.D., M.D., Medicine
SABISTON, D. C., Jr., M.D., Surgery
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SANDERS, D. R., M.A., PH.D., English
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NORTH CAROLINA 27835

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Founded 1907.

President: LEO W. JENKINS.
Registrar: W. E. BAKER.
Dean of Admissions: J. H. HORNE.
Librarian: W. W. SMILEY.

The library contains 276,807 volumes.
Number of teachers: 402.
Number of students: 6,599.

ELON COLLEGE

NORTH CAROLINA

Telephone: 584-3111.

Founded 1889.

President: JAMES E. DANIELEY.
Dean of Students: A. S. HASSELL.
Librarian: T. E. PERKINS.

The library contains 58,873 volumes.
Number of teachers: 62 full-time, 8 part-time.
Number of students: 1,320.

FAYETTEVILLE STATE COLLEGE

NEWBOLD STATION,
FAYETTEVILLE,
NORTH CAROLINA

Telephone: 483-6144.

Founded 1877.

President: Dr. RUDOLPH JONES.
Registrar: Miss LENNA MEANS.
Librarian: Mrs. NATHALENE SMITH.

The library contains 50,127 volumes.
Number of teachers: 75.
Number of students: 1,200.

GREENSBORO COLLEGE

WEST MARKET STREET,
GREENSBORO,
NORTH CAROLINA 27204

Telephone: 272-7102.

Founded 1838.

President: J. RALPH JOLLY.
Director of Admissions: A. KIVETT.
Librarian: L. A. BENNETT.

The library contains 45,000 volumes.
Number of teachers: 45.
Number of students: 600.

GUILFORD COLLEGE

GREENSBORO,
NORTH CAROLINA

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Founded 1837.

President: GRIMSLEY T. HOBBS.
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Librarian: T. W. MATHIS.

The library contains 60,000 volumes (approx.).
Number of teachers: 76.
Number of students: 1,000 (approx.).

HIGH POINT COLLEGE

HIGH POINT,
NORTH CAROLINA 27262

Telephone: 883-0625.

Founded 1924.

President: Dr. WENDELL M. PATTON.
Registrar: N. P. YARBOROUGH.
Director of Admissions: R. E. PHILLIPS.
Librarian: Miss MARCELLA CARTER.

The library contains 61,025 volumes.
Number of teachers: 65.
Number of students: 1,050.

LENOIR RHYNE COLLEGE

P.O. BOX 1868, HICKORY,
NORTH CAROLINA

Telephone: 328-1741.

Founded 1891.

President: VOIGT R. CROMER.
Admissions Secretary: Mrs. LOWELL E. BINKLEY.
Librarian: Miss AILEEN ADERHOLDT.

The library contains 50,061 volumes.
Number of teachers: 76.
Number of students: 1,212.

LIVINGSTONE COLLEGE

SALISBURY,
NORTH CAROLINA 28144

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Founded 1879.

President: Dr. S. E. DUNCAN.
Registrar: Miss JULIA B. DUNCAN.
Librarian: Mrs. JOSEPHINE P. SHERRILL.

The library contains 54,877 volumes.
Number of teachers: 50.
Number of students: 679.

MEREDITH COLLEGE

RALEIGH,
NORTH CAROLINA 27602.

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Founded 1891.

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Registrar: Miss MARY B. JOSEY.
Dean of Admissions: L. A. PEACOCK.
Librarian: Miss HAZEL BAITY.

The library contains 50,000 volumes.
Number of teachers: 58.
Number of students: 870.

NORTH CAROLINA COLLEGE AT DURHAM

DURHAM, NORTH CAROLINA

Founded 1909.

President: Dr. ALFONSO ELDER.
Business Manager: W. JONES.
Registrar: FRANCES M. EAGLESON.
Librarian: Dr. B. F. SMITH.

Number of teachers: 161, including 65 professors.
Number of students: 1,279 men, 2,166 women, total 3,445.
Publications: *Catalogue, Eagle, Bulletins.*

DEANS:

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Graduate School: Dr. W. H. BROWN.
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Founded 1885.

President: J. LEM STOKES, II.
Registrar: K. D. HOLSHOUSER.
Librarian: VELMA HUIE.

The library contains 50,000 volumes.
Number of teachers: 71.
Number of students: 829.

QUEENS COLLEGE

1900 SELWYN AVENUE,
CHARLOTTE, NORTH CAROLINA

Telephone: 332-7121.

Founded 1857.

President: Dr. EDWIN R. WALKER.
Registrar: Miss JEAN RAYBURN.
Librarian: R. BARKER.

The library contains 55,000 volumes.
Number of teachers: 75.
Number of students: 870.

ST. ANDREWS PRESBYTERIAN COLLEGE

LAURINBURG,
NORTH CAROLINA

Telephone: Area Code 919, 276-3652.

Founded 1858.

President: ANSLEY C. MOORE.
Registrar: R. W. DECKER.
Librarian: MARGARET BENNETT (acting).

The library contains 35,000 volumes.
Number of teachers: 70.
Number of students: 900.

SAINT AUGUSTINE'S COLLEGE

1315-17 OAKWOOD AVENUE, RALEIGH, NORTH CAROLINA

Telephone: 828-4451.

Founded 1867.

President: JAMES A. BOYER.
Registrar: I. E. SPRAGGINS.
Librarian: Mrs. OPHELIA IRVING.

The library contains 30,000 volumes.
Number of teachers: 51.
Number of students: 801.

SALEM ACADEMY AND COLLEGE

BOX 10548, SALEM STATION, WINSTON-SALEM, NORTH CAROLINA 27108

Telephone: 722-5496.

Founded 1772.

President: DALE H. GRAMLEY.
Director of Admissions: Miss EDITH A. KIRKLAND.
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The library contains 63,019 volumes.
Number of teachers: 60.
Number of students: 550.

UNIVERSITY OF NORTH CAROLINA

The University of North Carolina is composed of four institutions, unified into a consolidated system in 1931 and 1965—the University of North Carolina at Chapel Hill, the University of North Carolina at Greenboro, the University of North Carolina at Charlotte and North Carolina State University at Raleigh.

Consolidated Office:

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University of North Carolina at Chapel Hill: Chartered 1789, opened 1795; since 1931 a unit of the University of North Carolina; Telephone: 942-2662.

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Business Manager: J. A. BRANCH.
Dean of Student Affairs: C. O. CATHEY, PH.D.
Secretary of the Faculty: A. C. HOWELL, PH.D.
Director of Admissions: C. BERNARD.
Librarian: J. ORNE, PH.D.

The library contains 1,533,083 volumes.
Number of teachers: 1,113.
Number of students (Fall 1964): 8,771 men, 2,532 women, total 11,303.

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MCGREGOR, C. H., PH.D., Business Administration
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MOUZON, O. T., PH.D., Economics
MUNSON, P. L., PH.D., Pharmacology
NASH, A. S., M.A., M.SC., D.D., History and Sociology of Religion
NELSON, R. M., B.S., D.D.S., M.S., Orthodontics
NESS, A. K., Art
NEWMAN, W. S., PH.D., Music
NICHOLSON, G. E., Jr., PH.D., Statistics
ODUM, H. T., PH.D., Zoology
OKUN, D. A., SC.D., Sanitary Engineering
OLSEN, W. A., A.M., English
OTTS, J. C., M A., ED.D., Education
PALMATIER, E. D., PH.D., Physics
PALMER, J. C., B.S., M.D., Medicine
PALUMBO, L., Jr., M.D., Obstetrics and Gynæcology
PARKER, J. A., S.B., M.ARCH., M.C.P., Planning
PARKER, J. W., A.M., Dramatic Art
PATTON, J. W., A.B., A.M., PH.D., History
PEACOCK, E. E., Jr., M.D., Surgery
PEACOCK, W. H., PH.D., Physical Education
PEGG, C. H., PH.D., History
PENICK, G. D., S.B., M.D., Pathology
PERRY, A., ED.D., Education
PERRY, W. D., ED.D., Education
PETERS, R. M., B.S., M.D., Medicine
PETTIS, B. J., PH.D., Mathematics
PFOUTS, R. W., PH.D., Economics
PHIALAS, P. G., B.A., M.A., PH.D., English
PHILBROOK, C. E., PH.D., Economics
PHILLIPS, J. D., Jr., B.S., J.D., Law
PIANTADOSI, C., Pharmaceutical Chemistry
PIERSON, W. W., PH.D., LITT.D., LL.D., History
POLLITT, D. H., A.B., LL.B., Law
PRICE, D. O'H., B.S., A.M., PH.D., Sociology
PROTHRO, J. W., A.B., M.A., PH.D., Political Science
RADFORD, A. E., PH.D., Botany
RANDOLPH, MARY W., B.S., M.A., Nursing
RANEY, R. B., M.D., Surgery
REICHERT, H. W., PH.D., Germanic Languages
REILLEY, C. N., B.S., PH.D., Chemistry
REYNOLDS, I. N., B.S., S.M., PH.D., Accounting
RHEINGOLD, HARRIET L., A.B., M.A., PH.D., Psychology
RICE, O. K., PH.D., Chemistry
RICHARDSON, R. E., Oral Diagnosis
RICHARDSON, W. P., A.B., M.D., M.P.H., Preventive Medicine
RIZZO, G. L., Italian
ROBSON, C. B., PH.D., Political Science
ROSS, R. A., M.D., Obstetrics and Gynæcology
RUPEN, R. A., A.B., M.A., PH.D., Political Science
RUSSELL, H. K., PH.D., English
SCOTT, J. W., Jr., B.S., LL.B., LL.M., Law
SEMENIUK, F. T., PH.D., Pharmaceutical Chemistry
SESSIONS, J. T., Jr., B.S., M.D., Medicine
SHANKLE, R. J., D.D.S., Operative Dentistry
SHARP, D. G., B.S., M.A., PH.D., Biophysics
SHEARIN, P. E., PH.D., Physics
SHEPARD, G. E., ED.D., Physical Education
SIMPSON, R. L., A.M., PH.D., Sociology
SITTERSON, J. C., PH.D., History
SLAKER, K. W., Aerospace Studies
SLIFKIN, L. M., Physics
SLOANE, J. C., B.S., M.F.A., PH.D., Art
SLOCUM, E. A., M.M., Music

SMITH, H., PH.D., Sociology and Anthropology
SMITH, W. L., B.A., M.A., PH.D., Statistics
SOMMERFELD, R. E., B.S., M.A., PH.D., Education
SPEARMAN, W., A.M., Journalism
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STACY, R. W., M.S., PH.D., Surgery
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STOUDEMIRE, S. A., PH.D., Spanish
STRALEY, J. W., PH.D., Physics
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STRONG, F. R., LL.B., Law
STURDEVANT, C. M., D.D.S., Operative Dentistry
SUGIOKA, K., M.D., Surgery, Anæsthesiology
SWALIN, B. F., B.S., M.A., PH.D., Music in Extension
TALBERT, E. W., PH.D., English
TARBET, D. G., B.S., ED.D., Education
TAYLOR, D. F., B.S.E., M.S.E., PH.D., Dentistry
TAYLOR, I. M., A.B., M.D., Medicine
TERRILL, W. A., PH.D., Business Administration
THIBAUT, J. W., PH.D., Psychology and Sociology
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THOMPSON, H. O., PH.D., Pharmacy
THURSTONE, THELMA G., A.B., B.S., A.M., PH.D., Education
TINDALL, G. B., A.B., M.A., PH.D., History
TYLER, EUNICE, N., M.P.H., PH.D., Public Health Education
UNDERWOOD, N., B.S., M.S., PH.D., Physics
VAN CLEAVE, C. D., B.A., PH.D., Anatomy
VAN WYK, J. J., A.B., M.D., Pædiatrics
VANCE, R. B., PH.D., LL.D., Sociology
VOITLE, R. B., A.B., A.M., PH.D., English
WARNER, R. W., B.S., Naval Science
WEBB, J. M., M.C.P., City and Regional Planning
WEIDENKOPF, S. J., P.M.H., D.E., Sanitary Engineering
WEISS, C. M., B.S., PH.D., Sanitary Science
WELLS, W. S., PH.D., English
WELSH, G. S., A.B., PH.D., Psychology
WELT, L. G., M.D., Medicine
WHEELER, C. E., Jr., B.A., M.D., Dermatologic Medicine
WHITE, W. A., PH.D., Geology
WHITTINGHILL, M., PH.D., Zoology
WHYBURN, W. M., PH.D., LL.D., Mathematics
WILEY, W. L., PH.D., French
WILLIAMS, A. B., Institute of Fisheries Research
WILSON, J. E., M.S., PH.D., Biochemistry and Nutrition
WILSON, R. N., B.A., PH.D., Epidemiology
WINSLOW, R. S., PH.D., Economics
WOMACK, N. A. S.B., M.D., Surgery
WOOD, MARION S., B.S., M.A., School of Nursing
WOODS, J. W., A.B., M.D., Medicine
WRIGHT, J. J., P.M.H., M.D., Public Health Administration
WURFEL, S. W., A.B., LL.B., J.D., Law
WYNN, E., M.S., Radio, Television and Motion Pictures

University of North Carolina at Charlotte: Charlotte, North Carolina; established as an extension centre of the University of North Carolina 1946; later Charlotte College, made a unit of the University in 1965.

Acting Chancellor: BONNIE E. CONE, B.S., A.M.

Number of teachers: 84 (approx.).
Number of students: 2,000.

PROFESSORS:

BARNETTE, N. H., M.S.E.E., PH.D., Engineering
BURSON, S. L., Jr., PH.D., Chemistry
DIAMANT, L., B.S., M.A., PH.D., Psychology
HALL, J. O. P., B.S., PH.D., History and Political Science
HARLAN, H. H., M.A., PH.D., Sociology
HECKENBLEIKNER, H., M.A., PH.D., Biology
MACY, P., DR.-ÈS-LETT., Foreign Languages
NORMAN, J. H., M.A., Chemistry
PEREL, W. M., M.A., PH.D., Mathematics
RIEKE, R. W., M.A., PH.D., History and Political Science
WAHAB, J. H., B.A., M.A., PH.D., Mathematics
WALLACE, R. M., M.A., PH.D., English
WINNINGHAM, EDYTH P., M.A., History and Political Science
WUBBEN, W. D., B.PH., PH.D., Economics and Business Administration

University of North Carolina at Greensboro: Greensboro, North Carolina; established as a Normal College 1891; since 1931 a unit of the University of North Carolina; effective July 1st, 1963, name changed to the University of North Carolina at Greensboro; Telephone: Broadway 5-9371.

Chancellor: OTIS A. SINGLETARY, M.A., PH.D.
Business Manager: H. L. FERGUSON, Jr., B.S.
Dean of the Faculty: M. E. MOSSMAN, M.A.
Registrar: H. H. PRICE, M.A.

The library contains 243,957 volumes.
Number of teachers: 255.
Number of students (Fall 1964): 4,249.

DEANS:

Women: SADYE DUNN, B.S.
Men: C. SHIPTON, M.ED.
Students: KATHERINE TAYLOR, M.A.
Education: K. E. HOWE, M.S., ED.D.
Home Economics: NAOMI G. ALBANESE, M.A., PH.D.
Graduates: J. S. FERGUSON, M.A., PH.D.
Music: L. RIGSBY, M.A., PH.D.

PROFESSORS:

ADAMS, C. M., M.A., Library
ALBANESE, NAOMI G., PH.D., Home Economics
ANDERSON, D. B., M.A., PH.D., Biology
ASHBY, W. D., PH.D., Philosophy
BARDOLPH, R., PH.D., History
BARINEAU, ELIZABETH M., PH.D., Romance Languages
BLEND, C. D., PH.D., Romance Languages
BRIDGERS, J. E., PH.D., English
BRYANT, J. A., PH.D., English
BUSH, MAY D., PH.D., English
CARPENTER, G. F., A.B., Art
CLARK, C. B., M.A., PH.D., Physics
CROW, JANE H., M.S., PH.D., Home Economics
DUFFY, ELIZABETH, PH.D., Psychology
EBERHART, B. M., PH.D., Biology
ERICOURT, D., Music
FERGUSON, J. S., PH.D., History
HOWE, K. E., ED.D., Education
HUNTER, EUGENIA, PH.D., Education
JARRELL, R., M.A., English
JOHNSON, HILDEGARDE, PH.D., Home Economics
JOYCE, G. M., M.S., Administration
KEENEY, PAULINE E., PH.D., Home Economics
KENNEDY, J. W., PH.D., Economics
LITTLEJOHN, V. T., PH.D., Business Education
MARTUS, ETHEL L., M.S., Health, Physical Education and Recreation
MILLER, META H., PH.D., Romance Languages
MOSSMAN, MEREB E., M.A., Sociology
PARKER, F. D., PH.D., History
PENN, ELLEN, M.A., Home Economics
PFAFF, EUGENE E., PH.D., History
POSEY, E. E., PH.D., Mathematics
PUTTERBAUGH, W. H., PH.D., Chemistry
RAY, W. S., PH.D., Psychology
REARDON, ANNA J., PH.D., Physics
RIDDER, CLARA, PH.D., Home Economics
RIGSBY, L., PH.D., Music
RUMBLE, T. C., PH.D., English
RUSSELL, D., ED.D., Education
SCHAEFFER, FLORENCE L., M.A., Chemistry
SCHRIVER, ALICE M., ED.D., Health, Physical Education and Recreation
SEDGWICK, J. P., Jr., PH.D., Art
SHELTON, D. H., M.A., PH.D., Economics
SHIVERS, LYDA G., PH.D., Sociology
SINGLETARY, O. A., PH.D., History
SMITH, K. R., PH.D., Psychology
SPERRY, I. V., ED.D., Home Economics
STONE, T. J., M.MUS., PH.D., Music
STREET, MADELEINE B., M.A., Home Economics
TAYLOR, KATHERINE, M.A., Administration
TAYLOR, P. H., A.B., English
THRUSH, HELEN, A., M.A., Art
VAUGHAN, H. E., Jr., M.A., Education
WATSON, R. W., PH.D., English
WILSON, J. F., PH.D., Biology

North Carolina State University at Raleigh: Raleigh, North Carolina; f. 1887 as North Carolina State College of Agriculture and Mechanic Arts; assumed present title 1965; since 1931 a unit of the University of North Carolina; Telephone 755-2194.

Chancellor: JOHN T. CALDWELL, PH.D.
Business Manager: J. D. WRIGHT, A.B.
Administrative Dean for University Extension: W. L. TURNER, PH.D.
Administrative Dean for Research: H. F. ROBINSON, PH.D.
Dean of the Faculty: H. C. KELLY, PH.D.
Dean of Student Affairs: J. J. STEWART, Jr., M.A.
Director of Admissions and Registrations: K. D. RAAB, M.A.

The library contains 331,459 volumes.
Number of teachers: 706.
Number of students (Fall 1964): 8,276 men, 602 women, total 8,878.

DEANS:

Agriculture and Life Sciences: H. B. JAMES, PH.D.
Design: H. L. KAMPHOEFNER, M.S. (ARCH.).
Education: J. B. KIRKLAND, M.S., PH.D.
Engineering: R. E. FADUM, S.D.
Forestry: R. J. PRESTON, M.S.F., PH.D.

Liberal Arts: F. V. CAHILL, Jr., PH.D.
Physical Science and Applied Mathematics: A. C. MENIUS, Jr., PH.D.
Textiles: M. E. CAMPBELL, B.S.
Graduate: W. J. PETERSON, M.S., PH.D.

PROFESSORS:

APPLE, J., L., PH.D., Plant Pathology
AURAND, L. W., PH.D., Food Science
AYCOCK, Robert, PH.D., Plant Pathology
BALL, E. A., PH.D., Botany
BARBER, C. W., PH.D., Poultry Science
BARKALOW, F. S., Jr., PH.D., Zoology
BARRICK, E. R., PH.D., Animal Science
BATRHOLOMEW, W. V., PH.D., Soil Science
BATTE, E. G., D.V.M., Animal Science
BEAL, E. O., PH.D., Botany
BISHOP, C. E., PH.D., Agricultural Economics
BLUMER, T. N., PH.D., Food Science
BOSTIAN, C. H., PH.D., Genetics
BOWEN, H. D., PH.D., Agricultural Engineering
BRETT, C. H., PH.D., Entomology
CHAMBLEE, D. S., PH.D., Crop Science
CLAYTON, C. N., PH.D., Plant Pathology
COCHRAN, F. D., PH.D., Experimental Statistics
COUTU, A. J., PH.D., Agricultural Economics
CRAIG, F. R., D.V.M., Poultry Scienec
ELLIS, D. E., PH.D., Plant Pathology
ETCHELLS, J. L., PH.D., Food Science
EVANS, J. B., PH.D., Bacteriology
FITTS, J. W., PH.D., Soil Science
FORE, J. M., M.S., Agricultural Engineering
GARDNER, M. E., B.S., Horticultural Science
GARREN, H. W., PH.D., Poultry Science
GERSTEL, D. U., PH.D., Crop Science
GLAZENER, E. W., PH.D., Poultry Science
GREGORY, W. C., PH.D., Crop Science
GROSCH, D. S., PH.D., Genetics
GUTHRIE, F. E., PH.D., Entomology
HAASIS, F. A., PH.D., Plant Pathology
HAMILTON, C. H., PH.D., Rural Sociology
HANSON, W., PH.D., Genetics
HARKEMA, R., PH.D., Zoology
HARVEY, P. H., PH.D., Crop Science
HASSLER, F. J., PH.D., Agricultural Engineering
HAYNES, F. L., Jr., PH.D., Horticultural Science
HEBERT, T. T., PH.D., Plant Pathology
HILL, C. H., PH.D., Poultry Science and Animal Science
HOOVER, M., PH.D., Food Science
HYATT, G., Jr., PH.D., Animal Science
JACKSON, W. A., PH.D., Soil Science
JAMES, H. B., PH.D., Agricultural Economics
JENKINS, J. M., Jr., PH.D., Horticultural Science
JONES, G. L., PH.D., Crop Science
JONES, I. D., PH.D., Food Science
KAMPRATH, E. J., PH.D., Soil Science
KARE, M. R., PH.D., Poultry Science and Zoology
KELLER, K. R., PH.D., Crop Science
KELLY, J. W., PH.D., Poultry Science
KELMAN, A., PH.D., Plant Pathology
KING, R. A., PH.D., Agricultural Economics
KLINGHAM, G. C., PH.D., Crop Science
KOJIMA, KEN-ICHI, PH.D., Genetics
LECCE, J. G., PH.D., Animal Science
LEGATES, J. E., PH.D., Animal Science
LOVVORN, R. L., PH.D., Crop Science
LUCAS, G. B., PH.D., Plant Pathology
LUTZ, J. F., PH.D., Soil Science
MCCANTS, C. B., PH.D., Soil Science
MCCOMBS, C. L., PH.D., Horticultural Science
MCCRACKEN, R. J., M.S., Soil Science
MADDOX, J., PH.D., Agricultural Economics
MANN, T. J., PH.D., Crop Science
MARTOF, B. S., PH.D., Zoology
MATRONE, G. PH.D., Animal Science
MATZINGER, D. F., PH.D., Genetics
MAYO, S. C., PH.D., Rural Sociology
MIDDLETON, G. K., PH.D., Crop Science
MILLER, P. A., PH.D., Crop Science
MOORE, R. P., PH.D., Field Crops
MURLEY, R., PH.D., Animal Science
NIELSEN, L. W., PH.D., Plant Pathology
NOGGLE, G. R., PH.D., Botany and Bacteriology
NUSBAUM, C. J., PH.D., Plant Pathology
PHILLIPS, L. L., PH.D., Crop Science
PIERCE, W. H., PH.D., Agricultural Economics
POPE, D. T., PH.D., Horticultural Science
PORTERFIELD, IRA D., PH.D., Animal Science
QUAY, T. L., PH.D., Zoology
RABB, R. L., PH.D., Entomology
RAMSEY, H. A., PH.D., Animal Science
RICE, J. C., PH.D., Crop Science
ROBERTS, W. M., PH.D., Food Science
ROBINSON, H. F., PH.D., Genetics
SASSER, J. N., PH.D., Plant Pathology
SCOFIELD, H. T., PH.D., Botany
SLOAN, F. S., B.S., Extension Studies and Training
SMITH, B. W., PH.D., Genetics
SMITH, C. F., PH.D., Entomology
SMITH, E. H., PH.D., Entomology
SMITH, F. H., M.S., Animal Science
SPECK, M. L., PH.D., Food Science
SPLINTER, W. E., PH.D., Agricultural Engineering
STEPHENS, S. G., PH.D., Genetics
STEWART, H. A., PH.D., Animal Scinece
THOMPSON, D. L., PH.D., Crop Science
TOLLEY, G. S., PH.D., Agricultural Economics
TOUSSANT, W. D., PH.D., Agricultural Economics
TOVE, S., PH.D., Animal Science
ULBERG, L. C., PH.D., Animal Science
UPCHURCH, R. P., PH.D., Crop Science
WARREN, F. G., PH.D., Food Science
WEAVER, J. W., Jr., B.S., Agricultural Engineering
WEYBREW, J. A., PH.D., Crop Science
WHITFORD, L. A., PH.D., Botany
WILLIAMSON, J. C., M.S., Agricultural Economics
WINSTEAD, N. N., PH.D., Plant Pathology
WISE, G. H., PH.D., Animal Science
WISE, M. B., PH.D., Animal Science
WOLTZ, W. G., PH.D., Soil Science
WOODHOUSE, W. W., Jr., PH.D., Soil Science
YOUNG, D., Jr., PH.D., Entomology

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STUART, D. R., Architecture
THURLOW, E. G., M.L.A., Landscape Architecture

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BARKLEY, K. L., PH.D., Psychology
COOK, J. O., PH.D., Psychology
CORTER, H. M., PH.D., Psychology
HANSON, D., PH.D., Industrial Education
HINES, T. I., M.A., Recreation and Park Administration
HOSTETLER, I., ED.D., Industrial Arts
KIRKLAND, J. B., PH.D., Education
MILLER, H. G., PH.D., Psychology
NERDEN, J. T., PH.D., Industrial Education
NEWMAN, S. E., PH.D., Psychology
SCARBOROUGH, C. C., D.ED., Agricultural Education
SPEECE, H. E., PH.D., Mathematics and Science Education

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CARSON, R. G., Jr., PH.D., Industrial Engineering
CONNER, N. W., M.S., Mechanical Engineering
DOOLITTLE, J. S., M.S., Mechanical Engineering
DOUGLAS, R. A., PH.D., Engineering Mechanics
ECKELS, A. R., PH.D., Electrical Engineering
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FERRELL, J., PH.D., Chemical Engineering
GOLDMAN, J., PH.D., Industrial Engineering
HACKLER, W. C., PH.D., Mineral Industries
HANSON, K. P., M.S., Mechanical Engineering
HASSAN, H. A., PH.D., Mechanical Engineering
HOADLEY, G. B., D.S., Electrical Engineering
KNIGHT, R. B., M.S., Mechanical Engineering
KRIEGEL, W. W., DR.ING., Ceramic Engineering
LLEWELLYN, R. W., M.S., Industrial Engineering
MANN, C. L., Jr., B.S., Civil Engineering
MCCULLOUGH, C. R., M.S., Civil Engineering
MITCHELL, A., M.S., Engineering Mechanics
PARKER, J. M., III., PH.D., Mineral Industries
PINKERTON, R. McL., B.S., Mechanical Engineering
SCHOENBORN, E. M., Jr., PH.D., Chemical Engineering
SMALLWOOD, C., Jr., M.S., Civil Engineering
STADELMAIER, H. H., Engineering Research
STEVENSON, W. D., Jr., M.S., Electrical Engineering
STOOPS, R. F., PH.D., Engineering Research
TRUITT, R. W., PH.D., Mechanical Engineering
UYANIK, M. E., PH.D., Civil Engineering
WOODBURN, J., PH.D., Mechanical Engineering
ZOROWSKI, C. F., PH.D., Mechanical Engineering

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CARTER, R. M., M.S., Wood Products
DUFFIELD, J. W., PH.D., Forest Management
ELLWOOD, E. L., PH.D., Wood Products
JAYNE, B. A., PH.D., Wood Technology
LAMMI, J. O., PH.D., Forest Management
MAKI, E., PH.D., Forest Management

PRESTON, R. J., Jr., PH.D., Forestry
STAMM, A. J., PH.D., Wood Products
ZOBEL, B. J., PH.D., Forest Management

School of Liberal Arts:
BLOCK, W. J., PH.D., History and Political Science
BREDENBERG, P. A., PH.D., Philosophy and Religion
BROWN, M. L., PH.D., History and Political Science
CAHILL, F. V., Jr., PH.D., Political Science
CALDWELL, J. T., PH.D., Political Science
DERR, P. H., M.A., Physical Education
EDSALL, P. W., PH.D., History and Political Science
FAILS, E. A., M.A., Economics
FOSTER, C. I., A.M., Social Studies
FOUNTAIN, A. M., PH.D., English
GULLETTE, G. A., PH.D., Social Studies
HARTLEY, L. C., PH.D., English
HICKS, W. N., M.S., M.A., Philosophy and Religion
HOLTZMAN, A., PH.D., History and Political Science
JOHNSON, E. H., PH.D., Sociology and Anthropology
KINCHELOE, H. G., PH.D., English
LAMBERT, J. R., Jr., PH.D., Social Studies
NOBLIN, S. McG., PH.D., History and Political Science
OLSEN, B. M., PH.D., Economics
POLAND, G. W., PH.D., Modern Languages
SEEGERS, L. W., M.S., History and Political Science
SMITH, W. E., ED.D., Physical Education
STACK, E. M., PH.D., Modern Languages
SUBERMAN, J., PH.D., English
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WALSER, R. G., M.A., English
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ANDERSON, R. L., PH.D., Experimental Statistics
BENNETT, W. H., PH.D., Physics
BULLOCK, R. C., PH.D., Mathematics
CELL, J. W., PH.D., Mathematics
CLARKSON, J. M., PH.D., Mathematics
COCKERHAM, C. C., PH.D., Experimental Statistics
DOAK, G. O., PH.D., Chemistry
DOGGETT, W. O., PH.D., Physics
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HADER, R. J., PH.D., Experimental Statistics
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LEVINE, J., PH.D., Mathematics
LOEPPERT, R. H., PH.D., Chemistry
LUCAS, H. L., Jr., PH.D., Experimental Statistics
McVAY, F. E., PH.D., Experimental Statistics
MANRING, E. R., PH.D., Physics
MASON, D. D., PH.D., Experimental Statistics
MEARES, J. S., M.S., Physics
MENIUS, A. C., Jr., PH.D., Physics
MONROE, R. J., PH.D., Experimental Statistics
MUMFORD, C. G., PH.D., Mathematics
MURRAY, R. LER., PH.D., Physics
NAHIKIAN, H. M., PH.D., Mathematics
PARK, H. V., PH.D., Mathematics
PETERSON, W. J., PH.D., Chemistry
REID, W. A., PH.D., Chemistry
RIGNEY, J. A., M.S., Experimental Statistics
ROBINSON, C. C., PH.D., Chemistry
SAGAN, H., PH.D., Mathematics
STACY, R. W., PH.D., Experimental Statistics
STEEL, R. G. D., PH.D., Experimental Statistics
STRUBLE, R. A., PH.D., Mathematics
SUTTON, P. P., PH.D., Chemistry
SWANN, R. C., PH.D., Chemistry
VAN DER VAART, H. R., PH.D., Experimental Statistics
WALTNER, A. W., PH.D., Physics
WESLER, O., PH.D., Experimental Statistics and Mathematics
WHITE, F. C., PH.D., Chemistry
WINTON, L. S., PH.D., Mathematics

School of Textiles:
ASBILL, C. M., Jr., B.S., Textile Machine Design and Development
BOGDAN, J. F., B.S., Textile Research
CAMPBELL, K. S., B.S., Textile Chemistry
CAMPBELL, M. E., B.S., Textiles
CATES, D. M., PH.D., Textile Chemistry
GROVER, E. B., N.S., Textile Technology
HAMBY, D. S., B.S., Textile Technology
PORTER, J. A., M.S., Textile Technology
RUTHERFORD, H. A., M.A., Textile Chemistry
SHINN, W. E., M.S., Knitting Technology
WOORK, R. W., PH.D., Textiles

WAKE FOREST COLLEGE

BOX 7226, WINSTON-SALEM, NORTH CAROLINA

Telephone: 725-9711.

Founded 1834.

President: HAROLD W. TRIBBLE.
Registrar: G. S. PATTERSON.
Director of Admissions: W. G. STARLING.
Librarian: M. G. BERTHRONG.

The library contains 199,401 volumes.
Number of teachers: 291 full-time, 116 part-time.
Number of students: 3,038.

WESTERN CAROLINA COLLEGE

CULLOWHEE, NORTH CAROLINA

Telephone: 293-2151.

Founded 1889.

President: PAUL A. REID.
Registrar: Miss ADDIE BEAM.
Librarian: Mrs. LILIAN B. BUCHANAN.

The library contains 67,086 volumes.
Number of teachers: 132.
Number of students: 2,432.

WINSTON-SALEM STATE COLLEGE

WINSTON-SALEM, NORTH CAROLINA

Telephone: Area Code 919, 726-3563.

Founded 1892.

President: Dr. KENNETH R. WILLIAMS.
Registrar: Mrs. FRANCES R. COBLE.
Director of Admissions: Mrs. FANNIE M. WILLIAMS.
Librarian: Mrs. LUCY L. BRADSHAW.

The library contains 55,670 volumes.
Number of teachers: 83.
Number of students: 1,229.

NORTH DAKOTA

DICKINSON STATE COLLEGE

DICKINSON, NORTH DAKOTA

Telephone: 224-6092.

Founded 1918.

President: O. A. DELONG.
Registrar: P. O. AASMUNDSTAD.
Librarian: B. REINKE.

The library contains 36,000 volumes.
Number of teachers: 62.
Number of students: 13,500.

JAMESTOWN COLLEGE

JAMESTOWN, NORTH DAKOTA

Telephone: 252-4331.

Founded 1884.

President: DAN J. SILLERS.
Registrar: W. WESTLEY.
Director of Admissions: R. COOK.
Librarian: R. W. WITT.

The library contains 30,967 volumes.
Number of teachers: 55.
Number of students: 470.

MAYVILLE STATE COLLEGE

MAYVILLE, NORTH DAKOTA 58257

Telephone: Area Code 701, 786-3322.

Founded 1889.

President: T. S. JENKINS.
Registrar: J. E. SCHOLTEN.
Librarian: CLENORA QUANBECK.

The library contains 50,000 volumes.
Number of teachers: 49.
Number of students: 800.

MINOT STATE COLLEGE

MINOT, NORTH DAKOTA

Telephone: 838-6101.

Founded 1913.

President: Dr. C. P. LURA.
Registrar: E. SATHER.
Librarian: E. HANSON.

The library contains 76,000 volumes.
Number of teachers: 114.
Number of students: 1,848.

NORTH DAKOTA STATE UNIVERSITY

STATE UNIVERSITY STATION, FARGO, NORTH DAKOTA 58102

Telephone: 237-8011.

Founded 1890.

President: Dr. HERBERT R. ALBRECHT.
Vice-President: Dr. J. F. NICKERSON.
Registrar: B. B. BRANDRUD.
Librarian: H. D. STALLINGS.

The library contains 167,463 volumes.
Number of teachers: 500.
Number of students: 4,500.
Publication: *The Bulletin.*

DEANS:

Students: D. R. LEASURE, ED.D.
Associate of Students: BETTY J. SALTERS, M.S.

Faculty of Agriculture: A. G. HAZEN, M.S.
Faculty of Applied Arts and Sciences: S. W. RUSSELL, PH.D.
Faculty of Chemistry and Physics: J. M. SUGIHARA, PH.D.
Faculty of Engineering: F. C. MIRGAIN, M.S.
Faculty of Home Economics: CAROLINE BUDEWIG, M.S.
Faculty of Pharmacy: C. E. MILLER, PH.D.
Faculty of General Extension: A. H. SCHULZ, M.S.
Faculty of Graduate School: G. S. SMITH, PH.D.

UNIVERSITY OF NORTH DAKOTA

GRAND FORKS,
NORTH DAKOTA 58202
Telephone: University 777-2011.
Chartered 1883.

President: GEORGE W. STARCHER, M.A., PH.D.
Vice-President (Academic Affairs): W. E. KOENKER, PH.D.
Vice-President (Finance): T. J. CLIFFORD, J.D.
Business Manager: G. SKOGLEY.
Registrar: RUBY M. MCKENZIE, B.S.
Librarian: D. J. PEARCE, M.S.L.S.

Number of teachers: 314.
Number of students: 3,378 men, 1,625 women, total 5,003.

DEANS:

University College: D. J. ROBERTSON, M.A.
Graduate: C. J. HAMRE, PH.D.
Arts and Sciences: P. A. ROGNLIE (Assoc.).
Business: T. J. CLIFFORD, J.D.
Education: M. L. CUSHMAN, A.M., PH.D.
Engineering: M. B. LARSON, PH.D.
Law: J. L. WALDEN, J.S.D.
Medicine: T. H. HARWOOD, A.B., M.D.
Nursing: MARGARET F. HEYSE, M.S.
Extension: B. GUSTAFSON, M.S.

VALLEY CITY STATE COLLEGE

VALLEY CITY, NORTH DAKOTA
Telephone: 845-0540.
Founded 1890.

President: R. L. LOKKEN.
Registrar: A. SOROOS.
Librarian: Mrs. LILLIAN JACOBSON.

The library contains 40,000 volumes.
Number of teachers: 60.
Number of students: 1,200.

OHIO

ANTIOCH COLLEGE

YELLOW SPRINGS, OHIO
Founded 1852.

President: JAMES P. DIXON.
Vice-Presidents: J. D. DAWSON, M. RAUH.
Registrar: MIRIAM DICKINSON.
Librarian: B. THOMAS.
Dean of the Faculty: M. T. KEETON.

The library contains 132,000 volumes.
Number of students: 1,800.
Publications: *Antioch Review* (quarterly), *The Antiochian.*

ASHLAND COLLEGES

ASHLAND, OHIO
Telephone: 4-4561.
Founded 1878.

President: GLENN L. CLAYTON.
Registrar: W. MAST.
Librarian: O. H. SCHAAF.

The library contains 50,000 volumes.
Number of teachers: 88.
Number of students: 1,200.

THE ATHENAEUM OF OHIO

5440 MOELLER AVENUE,
NORWOOD, OHIO 45212
Telephone: 731-2630.
Founded 1829.

President: Rt. Rev. Mgr. JOSEPH J. SCHNEIDER.
Registrar: Rev. J. J. JENNINGS.
Librarian: Rev. R. A. STRICKER.

The library contains 70,000 volumes.
Number of teachers: 46.
Number of students (1964–65): 583.

BALDWIN-WALLACE COLLEGE

66 SEMINARY STREET,
BEREA, OHIO
Telephone: 234-5474.
Founded 1845.

President: Dr. A. B. BONDS.
Registrar: J. J. PETTY.
Dean of Admissions: M. RICHARDSON.
Librarian: Dr. J. H. LANCASTER.

The library contains 100,000 volumes (approx.).
Number of teachers: 104.
Number of students: 2,050 (approx.).

BLUFFTON COLLEGE

BLUFFTON, OHIO 45817
Telephone: 358-5921.
Founded 1900.

President: ROBERT S. KREIDER.
Registrar: E. W. GRABER.
Dean of Admissions: G. SNYDER.
Librarian: D. GRATZ.

The library contains 39,000 volumes.
Number of teachers: 46.
Number of students: 600 (approx.).

BORROMEO SEMINARY OF OHIO

28700 EUCLID AVENUE,
WICKLIFFE, OHIO
Telephone: 943-3888.
Founded 1953.

President: Rt. Rev. ROBERT C. WOLFF, PH.D.
Registrar: Rev. J. A. VALLEY.
Librarian: Y. SUSHKIW, M.S. IN L.S., M.S.EC., PH.D.

The library contains 26,000 volumes.
Number of teachers: 19.
Number of students: 201.

BOWLING GREEN STATE UNIVERSITY

BOWLING GREEN, OHIO 43402
Telephone: 353-8411.
Founded 1910.

President: WILLIAM T. JEROME, III.
Vice-President: K. H. MCFALL.
Registrar: G. I. VAN WORMER.
Librarian: A. R. ROGERS.

Number of teachers: 665.
Number of students: 10,000.

DEANS:

Liberal Arts: A. H. JONES.
College of Education: T. J. JENSON.
Business Administration: W. F. SCHMELTZ.
Graduate School: L. A. HELMS.

CAPITAL UNIVERSITY

COLUMBUS, OHIO 43209
Telephone: BELmont 5-8611.
Founded 1850.
A Lutheran foundation.

President: HAROLD L. YOCHUM, A.M., D.D., L.H.D., LITT.D.
Vice-President in Charge of Academic Affairs: F. H. BRETZ, PH.D.
Registrar: FRANCES QUINLIN.
Vice-President in Charge of Financial Affairs: V. H. DASSEL, A.M.
Vice-President for Development: R. B. GRONLUND, B.D.
Vice-President for Student Affairs: J. P. SHULTZ, B.S. IN ED.
Director of Admissions: W. G. BOMHOFF, A.B.
Librarian: DOROTHEA CONRAD.

DEANS:

Men: J. A. KIRKER, PH.D.
Women: MARY A. ROESS, A.M.
Academic Counselling: L. J. SCHAAF, A.M.
Music: G. TAYLOR, PH.D.

The library contains 90,560 volumes.
Number of teachers: 134.
Number of students: 747 men, 742 women, total 1,489.
Publications: *Chimes* (newspaper), *Capitalian* (yearbook).

CASE INSTITUTE OF TECHNOLOGY

10900 EUCLID AVENUE,
CLEVELAND, OHIO 44106
Telephone: SW-5-1060.

Founded in 1880 by Leonard Case, Jr.; formerly Case School of Applied Science.

President: T. KEITH GLENMAN, B.S., D.SC., D.ENG., LL.D.
Vice-President for Development: J. C. HARDIE, M.L.
Provost: J. A. HRONES, S.B., S.M., SC.D.
Vice-Provosts: K. B. MCEACHRON, Jr., B.S., H. R. NARA, PH.D.
Dean of Graduate Studies: L. GORDON, PH.D.
Director of Research Administration: R. H. THOMAS, PH.D.

Director of Public Relations: G. K. F. MANN, B.A.

Director of Computing Center: F. L. WAY, III, B.S. (acting).

Director of the Systems Research Center: M. D. MESAROVIC, PH.D. (acting).

Director of the Engineering Design Center: J. B. RESWICK, SC.D.

Director of Clinical Laboratory for Materials: D. F. GIBBONS.

Registrar: R. T. PAUMEN, B.B.A.

Director of Financial Aid and Admissions: J. A. BECKLEY, B.S.

Dean of Students: T. E. BAKER, PH.D.

Director of the Library: F. L. TAFT, PH.D.

Director of the Observatory: S. W. McCUSKEY, PH.D.

The library contains 121,000 volumes.
Number of teachers: 240 (full-time).
Number of students: 1,590 (2,484 including graduate and summer students).

PROFESSORS:

ACKOFF, R. L., PH.D., Operations Research
BACON, C. S., PH.D., Geology
BARROW, G. M., PH.D., Chemistry
BLANCO, V. M., PH.D., Astronomy
BOLZ, R. E., D.ENG., Aeronautical Engineering
CAMP, G. D., PH.D., Operations Research
COVER, G. M., PH.D., Metallurgical Engineering
DONNER, H. F., SC.D., Astronomy and Geology
FOLDY, L. L., PH.D., Physics
GIBBONS, D. F., PH.D., Materials
GORDON, L., PH.D., Chemistry
HEHEMANN, R. F., PH.D., Physical Metallurgy
HOOVER, P. L., D.SC., Electrical Engineering
JOHNSON, E. A., SC.D., Management
KLEIN, N. J., PH.D., Physics
KRANZBERG, M., PH.D., History
KUERTI, G., PH.D., Aerodynamics
MACNEILLE, H. M., PH.D., Mathematics
McCUSKEY, S. W., PH.D., Astronomy
MARON, S. H., PH.D., Physical Chemistry
MAWARDI, O. K., PH.D., Plasma Dynamics
MICKLESON, V. C., M.A., Organisational Behaviour
MOSZYNSKI, J. R., PH.D., Mechanical Engineering
NARA, H. R., PH.D., Structures and Mechanics
NELSON, R., J., PH.D., Mathematics
OSTRACH, S., PH.D., Applied Mathematics
REIN, D. M., PH.D., English
REINES, F., PH.D., Physics
REITZ, J. R., PH.D., Physics
RESWICK, J. B., SC.D., Engineering Design
RINEHART, R. F., PH.D., Mathematics
SCANLAN, R. H., PH.D., Engineering Mechanics
SEELY, S., PH.D., Electrical Engineering
SHANKLAND, R. S., PH.D., Physics
SHELTON, J. R., PH.D., Organic Chemistry
SHEPARD, H. A., PH.D., Organisational Behaviour
SHRADER, E. F., PH.D., Physics
SHURTER, R. L., PH.D., English
SLAYMAKER, R. R., M.S., Machine Design
SMITH, C. S., SC.D., Physics
STEHLI, F. G., PH.D., Geology
SYMONDS, G. H., M.A.
TAFT, F. L., PH.D., English
TROIANO, A. R., SC.D., Physical Metallurgy
TUVE, G. L., M.E., Mechanical Engineering
VARGA, R. S., PH.D., Mathematics
WALLACE, J. F., S.M., Process Metallurgy
WRIGHT, D. K., M.S., Machine Design

CENTRAL STATE COLLEGE

WILBERFORCE, OHIO

Telephone: 372-6941.

Founded 1887.

President: Dr. LEWIS A. JACKSON (acting).
Registrar: Miss GLADYS L. POWELL.
Director of Admissions: W. G. SELLERS.
Librarian: Miss MOLLIE DUNLAP.

The library contains 73,000 volumes.
Number of teachers: 96.
Number of students: 2,266.

COLLEGE OF MOUNT ST. JOSEPH-ON-THE-OHIO

MOUNT ST. JOSEPH, OHIO CINCINNATI, OHIO

Telephone: 941-4200.

Founded 1854.

President: Sister MARIA CORONA, PH.D.
Registrar: Sister MARIA MICHAEL, M.A.
Dean of Admissions: P. L. KANE, M.A.
Librarian: Sister ELIZABETH, M.A. IN L.S.

The library contains 78,000 volumes (approx.).
Number of teachers: 79.
Number of students: 1,244.

COLLEGE OF ST. MARY OF THE SPRINGS

1216 SUNBURY ROAD, COLUMBUS, OHIO 43219

Telephone: 253-2741.

Founded 1911.

President: Sister M. SUZANNE, O.P.
Registrar: Mrs. MARIE TAYLOR.
Director of Admissions: Miss PATRICIA EVANOSKI.
Librarian: Sister JOSEPH DAMIEN, O.P.

The library contains 40,000 volumes.
Number of teachers: 46.
Number of students: 500.

THE COLLEGE OF STEUBENVILLE

COLLEGE HEIGHTS, STEUBENVILLE, OHIO

Telephone: 614-283-3771.

Founded 1946.

President: Rev. COLUMBA J. DEVLIN, T.O.R.
Registrar: Miss AUDREY SAVASTONE.
Director of Admissions: J. PLESICH.
Librarian: Rev. D. SCHENK, T.O.R.

The library contains 50,000 volumes.
Number of teachers: 66.
Number of students (1965): 1,100.

COLLEGE OF WOOSTER

WOOSTER, OHIO

Founded 1866.

President: HOWARD F. LOWRY, PH.D., LITT.D., LL.D., D.C.L., L.H.D.
Vice-President: W. S. DRUMMOND, B.TH., D.D.
Secretary: R. S. WILLIAMS, B.A.
Registrar and Director of Admissions: R. S. COPE, PH.D.
Librarian: MAUDIE L. NESBITT, B.A., B.S. IN L.S.

The library contains 162,829 volumes.
Number of teachers: 120.
Number of students: 1,450.
Publications: *Scot Calendar, Catalog, Wooster Voice, Wooster Alumni Bulletin, From Wooster*, etc.

DEANS:

College: J. G. DRUSHAL, PH.D.
Women: CAROL G. REED, B.S.
Men: R. A. YOUNG, B.A., B.D.

THE DEFIANCE COLLEGE

DEFIANCE, OHIO 43512

Telephone: 782-4010.

Founded 1850.

President: W. NOEL JOHNSTON.
Registrar: G. E. MALLOTT.
Librarian: B. KAUFFMAN.

The library contains 50,000 volumes.
Number of teachers: 60.
Number of students: 900.

DENISON UNIVERSITY

GRANVILLE, OHIO 43023

Telephone: 582-9181.

Founded 1831.

President: A. BLAIR KNAPP.
Librarian: B. M. LEWIS.
Treasurer: C. R. ADAMS.
Registrar: D. R. FITCH.
Director of Admissions: B. W. DUNFIELD.

Number of teachers: 125, including 41 professors.
Number of students: 891 men, 734 women, total 1,625.
Publication: *Journal of the Scientific Laboratories.*

DEANS:

College: P. E. LICHTENSTEIN.
Men: M. W. SMITH.
Women: ELIZABETH HARTSHORN.

FENN COLLEGE

CLEVELAND 15, OHIO

President: G. BROOKS EARNEST, B.S.C.E., M.S., D.ENG.
Provost: W. A. PATTERSON, M.A., PH.D.
Director of Admissions and Records: V. R. GULBENKIAN, M.A., PH.D.
Dean of Students: M. C. HERRICK, M.A.
Librarian: E. J. STEFANCIC, B.A., B.S. IN L.S.

Number of teachers: 90, including 23 professors.
Number of students: 1,390 men, 265 women, total 1,655.
Publication: *The Cauldron* (bi-weekly).

DEANS:

School of Business Administration: W. A. PATTERSON, M.A., PH.D. (acting).
Dean of Engineering: B. H. BUSH, B.S., M.S.
School of Arts and Sciences: Major B. JENKS, M.A., PH.D.
Co-operative Education: R. B. AULD, A.B., ED.M., M.A. (Director).
Women: ELLA R. MCKEE, M.A., PH.D.

FINDLAY COLLEGE

1000 NORTH MAIN STREET,
FINDLAY, OHIO

Telephone: 422-8313.

Founded 1882.

President: IVAN E. FRICK.
Registrar: G. KLEINER.
Director of Admissions: R. CROSBY.
Library: C. NAIRN.

The library contains 40,000 volumes.
Number of teachers: 43.
Number of students: 1,200.

HEBREW UNION COLLEGE—JEWISH INSTITUTE OF RELIGION

3101 CLIFTON AVENUE,
CINCINNATI, OHIO 45220

Telephone: Area Code 513, 221-1875.

Founded 1875.

President: Dr. NELSON GLUECK.
Provost: Dr. S. SANDMEL.
Librarian: H. ZAFREN.

The library contains 260,000 volumes.
Number of teachers: 21 full-time, 4 part-time.
Number of students: 191.

HEIDELBERG COLLEGE

TIFFIN, OHIO 44883

Telephone: 447-2310.

Founded 1850.

President: TERRY WICKHAM.
Registrar: C. LUCILE CHRISTMAN.
Director of Admissions: G. W. DEINZER.
Librarian: C. W. BENNETT.

The library contains 65,000 volumes.
Number of teachers: 75.
Number of students: 1,058.

HIRAM COLLEGE

HIRAM, OHIO 44234

Telephone: 569-3211.

Founded 1850.

President: JAMES N. PRIMM.
Registrar: L. C. UNDERWOOD.
Librarian: THELMA BUMBAUGH.

The library contains 93,500 volumes.
Number of teachers: 80.
Number of students: 1,050.

JOHN CARROLL UNIVERSITY

CLEVELAND 18, OHIO

Founded 1886.

President: HUGH E. DUNN, S.J., S.T.L., PH.D.
Academic Vice-President: Rev. T. P. CONRY, S.J., A.B., A.M., PH.D.
Dean of College of Arts and Sciences: Rev. J. O. SCHELL, S.J., A.M., S.T.L.
Dean of Evening College: G. E. GRAUEL, A.B., A.M., PH.D.
Dean of School of Business: A. J. NOETZEL, B.S., M.B.A., PH.D.
Dean of Graduate School: R. J. SPATH, A.B., A.M., PH.D.
Dean of Admissions and Records: F. A. KLEINHENZ, A.B., A.M.
Registrar: R. E. CAWTHORNE, A.M.
Director of Libraries: Rev. J. A. MACKIN, S.J., A.M., B.S. IN L.S.

Number of teachers: 271.
Number of students: 4,197.

KENT STATE UNIVERSITY

KENT, OHIO

Telephone: 673-1211.

Founded 1910.

President: ROBERT I. WHITE, Jr.
Vice-President and Dean of Faculties: J. J. KAMERICK.
Comptroller: R. E. DUNN.
Librarian: J. B. NICHOLSON.

Number of teachers: 700.
Number of students: 21,800.
Publications: College catalogues, monthly bulletins, *Kent Alumnus* (quarterly).

DEANS:

Education: C. M. SCHINDLER.
Arts and Sciences: R. SITLER (acting).
Business Administration: B. HALL (acting).
Fine and Professional Arts: O. W. PERLMUTTER.
Graduate School: M. K. NURMI.
Men: R. MATSON.
Women: ELIZABETH F. ANTHONY.

KENYON COLLEGE

GAMBIER, OHIO

Founded 1824.

President: FRANZE E. LUND, PH.D., LL.D., L.H.D.
Registrar: J. D. KUSHAN, A.B., M.ED.
Librarian: E. C. HEINTZ, A.B.L.S.

The library contains 182,123 volumes.
Number of teachers: 72.
Number of students: 783 men only.
Publication: *The Kenyon Review.*

DEANS:

College: B. HAYWOOD, PH.D.
Students: T. J. EDWARDS, M.A.
Bexley Hall, the Divinity School of Kenyon College: Very Rev. A. M. THORP, D.D.

LAKE ERIE COLLEGE

PAINESVILLE, OHIO 44077

Telephone: EL 2-3361.

Founded 1856.

President: PAUL WEAVER, A.B., B.D., D.D.
Recorder: MARGERY AINSWORTH.
Director of Admissions: L. MOECKEL, A.B.
Librarian: R. L. NUGENT, PH.D.

The library contains 50,486 volumes.
Number of teachers: 55.
Number of students: 549.

MARIETTA COLLEGE

MARIETTA, OHIO

Chartered 1835.

President: FRANK E. DUDDY, Jr., PH.D., LL.D.
Dean: M. R. PATTERSON, PH.D.
Registrar: LILLIAN S. SINCLAIR, A.B.
Librarian: R. F. CAYTON, M.S.

Number of teachers: 92 full-time, 11 part-time, including 22 professors.
Number of students: 983 men, 641 women, total 1,624.
Publications: *Bulletin, The Alumnus.*

DEANS:

Men: W. L. HOBBA, A.B.
Women: RUTH A. WILCOX, A.M.
Division of Evening School: J. E. PRINCE, PH.D. (Director).

MARY MANSE COLLEGE

2436 PARKWOOD AVENUE,
TOLEDO, OHIO 43620

Telephone: CH 3-9241.

Founded 1922.

President: Sister MARY LAWRENCE.
Registrar: Sister MARY ETHELREDA.
Librarian: Sister VIRGINIA MARIE.

The library contains 50,000 volumes.
Number of teachers: 95.
Number of students: 1,428.

MIAMI UNIVERSITY

OXFORD, OHIO

Founded 1809.

President: CHARLES R. WILSON, PH.D., LL.D. (acting).
Provost: K. E. LIMPER (acting).
Registrar: M. B. ROSSELOT, A.M.
Librarian: L. S. DUTTON, B.S., L.S.

Number of teachers: 430.
Number of students: 10,858.

DEANS:

Arts and Science: F. D. JAMES, PH.D. (acting).
Business: D. R. CAWTHORNE, PH.D.
Education: C. N. BOGNER, ED.D.
Fine Arts: G. BARRON, M.F.A.
Graduate School: H. B. WRIGHT, PH.D.
Summer Session and Extension: E. V. THESKEN, A.M.
Dean of Students: R. F. ETHERIDGE, ED.D.
Dean of Women: NAOMI B. BROWN, ED.D.
Dean of Men: W. T. HOLLINGSWORTH, ED.D.

MOUNT UNION COLLEGE

ALLIANCE, OHIO

Founded 1846.

President: CARL C. BRACY, A.M., D.D., LL.D.
Dean: M. F. CHRISTIE, A.M., PH.D.

Registrar: J. R. JOSE, A.M.
Librarian: N. Y. OSBORNE, LITT.M., B.L.S.

Number of teachers: 67, including 15 full professors.
Number of students: 515 men, 509 women, total 1,024.
Publications: *Alumni Bulletin, Catalogues.*

MUSKINGUM COLLEGE

NEW CONCORD, OHIO

Founded 1837.

Interim President: WILLIAM P. MILLER.
Acting Dean: J. L. GOLDEN.
Business Manager: W. E. ROBINSON.
Librarian: W. D. MORRILL.

Number of teachers: 96, including 20 professors.
Number of students: 717 men, 634 women, total 1,351.
Publications: *Catalogue, Faculty News Bulletin, Alumni Bulletin, Pictorial Bulletin.*

NOTRE DAME COLLEGE

4545 COLLEGE ROAD, CLEVELAND, OHIO 44121

Telephone: Area Code 216, 381-1680.

Founded 1922.

President: Sister MARY INEZ, S.N.D.
Registrar: Sister MARY FLORENCE, S.N.D.
Librarian: Sister MARY GENEVIEVE, S.N.D.

The library contains 40,000 volumes.
Number of teachers: 40 full-time.
Number of students: 550.

OBERLIN COLLEGE

OBERLIN, OHIO

Founded 1833; named after Alsatian Pastor, John Frederick Oberlin.

President: ROBERT K. CARR, PH.D.
Provost: J. W. KNELLER, PH.D.
Director of Admissions and Academic Records: R. L. JACKSON, S.B.
Treasurer: K. H. AUGHENBAUGH, A.B.
Secretary: J. R. WILLIAMS, S.B.
Business Manager: L. R. TOWER.
Librarian: EILEEN THORNTON, A.M.

The library contains 620,000 volumes.
Number of teachers: 216.
Number of students: 2,500.

DEANS:

College of Arts and Sciences: W. F. HELLMUTH, Jr., PH.D.
Graduate School of Theology: H. W. FILDEY, B.D., ED.D. (acting).
Conservatory of Music: R. P. FOUNTAIN, MUS.M.

OHIO NORTHERN UNIVERSITY

ADA, OHIO 45810

Telephone: 634-3015.

Founded 1871.

President: Dr. SAMUEL L. MEYER.
Registrar: W. H. SMERLING.
Librarian: Dr. F. KUHNS.

The library contains 58,769 volumes.
Number of teachers: 150.
Number of students: 1,971.

OHIO STATE UNIVERSITY

190 NORTH OVAL DRIVE, COLUMBUS, OHIO 43210

Telephone: 293-3148.

Founded 1870.

President: NOVICE G. FAWCETT, M.A., LL.D., L.H.D., LITT.D., D.P.S.
Vice-President for Academic Affairs and Dean of Faculties: J. C. WEAVER, PH.D.
Vice-President for Research: A. B. GARRETT, PH.D.
Vice-President for Business and Finance: G. B. CARSON, M.S.
Vice-President for Educational Services and Secretary to the Board of Trustees: J. T. MOUNT, M.S.
Vice-President for Administration: J. E. CORBALLY, Jr., PH.D.
Executive Dean for Admissions and Registrations: R. B. THOMPSON, PH.D.
Executive Dean, Student Relations: J. T. BONNER, Jr., PH.D.
Executive Director, University Relations: F. STECKER, B.A.
Executive Director, Campus Planning: J. H. HERRICK, PH.D.
Registrar: D. O. CLARK, PH.D.
Comptroller: C. V. OSTER.
Director of Libraries: L. C. BRANSCOMB, PH.D.
Director of Museum: D. R. PORTER, M.A.

Library: *see* Libraries.
Teaching staff: 1,208 men, 206 women, total 1,414.
Number of students: 36,820.

DEANS:

College of Agriculture and Home Economics: R. M. KOTTMAN, PH.D.
College of Arts and Sciences: J. O. FULLER, PH.D.
College of Commerce and Administration: J. R. McCOY, M.B.A.
College of Dentistry: J. R. WILSON, D.D.S.
College of Education: D. P. COTTRELL, PH.D.
College of Engineering: H. A. BOLZ, M.S.
College of Law: I. C. RUTLEDGE, LL.M.
College of Medicine: R. L. MEILING, M.D., D.SC.
College of Pharmacy: L. M. PARKS, PH.D.
College of Veterinary Medicine: W. R. KRILL, B.S., D.V.M.
Graduate School: R. ARMITAGE, PH.D.
Part-time and Further Education: G. R. HOLSINGER, Jr., PH.D.
Off-Campus Education: E. Q. MOULTON, PH.D.

FULL PROFESSORS:

College of Agriculture and Home Economics:
ALBAN, E. K., Horticulture and Forestry
ALEXANDER, L. J., Botany
ALLISON, C. C., Botany and Plant Pathology
ANDERSON, S. R., Agronomy
BAILEY, R. A., Agricultural Economics
BAKER, R., Poultry Science
BARRE, H. J., Agricultural Engineering
BAUMER, E. F., Agricultural Economics and Rural Sociology
BEATTIE, J. M., Horticulture and Forestry
BELL, D. S., Animal Science
BENDER, R. E., Agricultural Education
BLAYDES, G. W., Botany and Plant Pathology
BOHL, E. H., Poultry Science
BOHNING, R. H., Botany and Plant Pathology
BONDURANT, B. L., Agricultural Engineering
BORROR, D. J., Zoology and Entomology
BRIGGS, J. D., Zoology and Entomology
BROWN, W. N., Horticulture and Forestry
CAHILL, V. R., Animal Science
CHADWICK, L. C., Horticulture and Forestry
CLEVELAND, BEATRICE J., Home Economics
CONRAD, H. R., Dairy Science
COOK, R. E., Poultry Science
CRAVENS, M. E., Agricultural Economics and Rural Sociology
CRAY, R. E., Agricultural Economics
DAMBACH, C. A., Agricultural Economics
DAVIDSON, R. H., Zoology and Entomology
DAVIS, R. R., Agronomy
DEACON, RUTH E., Home Economics
DEATHERAGE, F. E., Agricultural Biochemistry
DELAPLANE, W., Jr., Poultry Science
DILLER, O. D., Botany and Plant Pathology
DIRKS, MARIE M., Home Economics
DOLLINGER, E. J., Agronomy
DOUGAN, R. S., Agricultural Economics
FECHHEIMER, N. S., Dairy Science
FISHER, T. R., Botany and Plant Pathology
GILMORE, L. O., Dairy Science
GOLEMAN, D. L., Poultry Science
GOULD, I. A., Dairy Technology
GOULD, W. A., Horticulture and Forestry
GRAY, W. D., Botany and Plant Pathology
GRIFFING, J. B., Poultry Science
HACSKAYLO, J., Botany and Plant Pathology
HARPER, W. J., Dairy Technology
HARROLD, L. L., Agricultural Engineering
HARTMAN, F. O., Horticulture and Forestry
HARVEY, W. R., Animal Science
HAUB, J. G., Zoology and Entomology
HENNING, G. F., Agricultural Economics and Rural Sociology
HEYE, HELENE, Home Economics
HIBBS, J. W., Dairy Science
HIGGINS, NAURINE R., Home Economics
HILL, R. G., Horticulture and Forestry
HILLMAN, CHRISTINE, Home Economics
HOFF, D. J., Agronomy
HOLDSWORTH, R., Jr., Poultry Science
HOLOWAYCHUK, N., Agronomy
HOWLETT, F. S., Horticulture and Forestry
JAAP, R. G., Poultry Science
JOHNSON, G. R., Animal Science
JOHNSON, R. M., Jr., Animal Science
JOHNSON, R. R., Animal Science
JONHSON, W. H., Agricultural Engineering
KIPLINGER, D. C., Horticulture and Forestry
KIRBY, E. L., Agricultural Education
KLOSTERMAN, E. W., Animal Science

KOTTMAN, R. M., Animal Science
KRAUSS, W., Dairy Science
KRIEBEL, H. B., Botany and Plant Pathology
KRISTOFFERSEN, T., Dairy Technology
KUNKLE, L. E., Animal Science
LAMB, C. A., Agronomy
LEBEN, C. C., Botany and Plant Pathology
LUDWICK, T. M., Animal Science
McCORMICK, F. B., Agricultural Economics
McCORMICK, R. W., Agricultural Education
McLEAN, E. O., Agronomy
MANGUS, A. R., Agricultural Economics and Rural Sociology
MEDERSKI, H. J., Agronomy
MEYER, B. S., Botany and Plant Pathology
MILLER, J. N., Zoology and Entomology
MOORE, R. O., Agricultural Biochemistry
MOXON, A. L., Agricultural Biochemistry
MUSGRAVE, O. L., Agronomy
NABER, E. C., Poultry Science
NEWARK, CHRISTINE, Home Economics
OYLER, M. D., Agricultural Economics
PARSONS, J. L., Agronomy
PETERLE, T. J., Poultry Science
PRICE, J. W., Zoology and Entomology
PRUDENT, INEZ, Home Economics
PUTNAM, L. S., Zoology and Entomology
RAY, D. A., Agronomy
RITCHIE, A.E., Agricultural Education
ROBINSON, A. B., Agricultural Education
ROTHENBUHLER, W. C., Zoology and Entomology
SCHWAB, G. O., Agricultural Engineering
SCOTT, DOROTHY D., Home Economics
SHARP, J. W., Agricultural Economics
SHERMAN, R. W., Agricultural Economics and Rural Sociology
SITTERLEY, J. H., Agricultural Economics and Rural Sociology
SLATTER, W. L., Dairy Technology
SLEESMAN, J. P., Poultry Science
SMITH, M. G., Agricultural Economics and Rural Sociology
SMITH, P. E., Agronomy
SNELL, J. F., Agricultural Biochemistry
STEPHEN, W. A., Poultry Science
STEWART, R. E., Agricultural Engineering
SUTTON, T. S., Animal Science
SWANSON, C. A., Botany and Plant Pathology
TAFT, C. E., Botany and Plant Pathology
TAYLOR, G. S., Agronomy
TEAGUE, H., Animal Science
TIDD, W. M., Zoology and Entomology
TOMPKIN, J. R., Agricultural Economics
TYZNIK, W., Animal Science
VANDEMARK, N. L., Dairy Science
VANDOREN, D. M., Agronomy
VAN KEUREN, R. W., Agronomy
VENARD, C. E., Zoology and Entomology
VENZKE, W. G., Animal Science
VOLK, G. W., Agronomy
WEAVER, C. R., Zoology and Entomology
WHARTON, G. W., Zoology and Entomology
WILSON, EVA D., Home Economics
WILSON, J. D., Botany and Plant Pathology
WILSON, R. F., Animal Science
WINTER, A. R., Poultry Science
WOLF, W. H., Agricultural Education
WOOD, L., Home Economics
WOOD, W. B., Agricultural Education
WOODIN, R. J., Agricultural Education
YAMAZAKI, W. T., Agronomy
YODER, R. E., Agronomy

College of Arts and Sciences:
ABBOTT, K. M., Classical Languages
ALTICK, R. D., English
AUMANN, F. R., Political Science
BABB, H. S., English
BABCOCK, J. C., Romance Languages
BARTON, P., Journalism
BATES, R. L., Geology
BEKKER, H. R., German
BELL, E. E., Physics
BIRKELAND, J. M., Microbiology
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BLACKWELL, H. R., Optometry
BOBROVNIKOFF, N. T., Astronomy
BOHL, E. H., Microbiology
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BOWERMAN, E. M., Chemistry
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BROWN, L. C., Physics
BRUCCOLI, M. J., English
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BULL, C. B., Geology
BUSCH, D. H., Chemistry
CALEY, E. R., Chemistry
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CARLUT, C. E., Romance Languages
CAVA, M. P., Chemistry
CHACON, F. Mathematics
CHARVAT, W., English
COLES, H. L., Jr., History
CULLMAN, W. A., Journalism
CUNZ, D., German
DAVIDSON, H. M., Romance Languages
DICKEY, F. P., Physics
DODD, M. C., Microbiology
DORFMAN, L. M., Chemistry
DORPALEN, A., History
DROBOT, S., Mathematics
EDWARDS, D. O., Physics
ELLERBROCK, V. J., School of Optometry
ESTRICH, R. M., English
EVANS, D. L., Philosophy
FISHER, R., Mathematics
FISHER, S. N., History
FLEISCHHAUER, W., German
FORBES, C. A., Classical Languages
FOTHERINGHAM, W., Speech
FOX, M., Philosophy
FRY, G. A., Physiological Optics
FULLER, J. O., Geology
FURNISS, E. S., Jr., Political Science
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GOLDTHWAIT, R. P., Geology
GRIFFIN, D. A., Romance Languages
GRIMM, H., J., History
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HAUSMAN, H. J., Physics
HEER, C. V., Physics
HELMS, E. A., Political Science
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HENNE, A. L., Chemistry
HERSON, L. J. R., Political Science
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HINSHAW, V. G., Jr., Philosophy
HOSTETTLER, G. F., Speech
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HULL, R. B., Speech
IRWIN, RUTH R., Speech
JASTRAM, P. S., Physics
JONES, W. R., Classical Languages
JOSSEM, E. L., Physics
KEENAN, P. C., Astronomy
KNOWER, F. H., Speech
KO, H. C., Astronomy
KORRINGA, J., Physics
KRAUS, J. D., Astronomy
KUHN, A. J., English
LAROCQUE, AURELE, Geology
LAURILA, S., Geodetic Science
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LIPPINCOTT, W. T., Chemistry
LOGAN, J. V., Jr., English
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MARKELS, J. H., English
MICKLE, E. J., Mathematics
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NELSON, E. J., Philosophy
NELSON, R. C., Physics
NEWMAN, M. S., Chemistry
NIELSON, C. E., Physics
NIELSON, H. H., Physics
OETJEN, R. O., Physics
PEGUES, F. J., History
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POLLARD, J. E., School of Journalism
POOL, M. L., Physics
PREBUS, A., Physics
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RANDLES, C. I., Microbiology
RAO, K. N., Physics
REEVES, R. F., Mathematics
REICHELDERFER, P. V., Mathematics
RHEINS, M. S., Microbiology
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ROBBINS, E. W., English
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ROSS, A. E., Mathematics
RUBIN, T. R., Chemistry
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SALTZER, C., Mathematics
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SCHOLBERG, K. R., Romance Languages
SCHOPF, J. M., Geology
SEIDLIN, O., German
SHAFFER, W. H., Physics
SHAPIRO, J. M., Mathematics
SHAW, C. H., Physics
SHAW, J. H., Physics
SHECHTER, H., Chemistry
SHORE, S. G., Chemistry
SIMMS, H. H., History
SLETTEBAK, A., Astronomy
SPITZ, D., Political Science
STAHLY, G. L., Microbiology
STEPHENSON, R. C., Geology
SWEET, T. R., Chemistry
TANAKA, K., Physics
TAYLOR, W. J., Chemistry
TITCHENER, J. B., Classical Languages
TURNBULL, R., Philosophy
TWAROG, L. I., Slavic Languages and Literature
UOTILA, U. A., Geodetic Science
UTLEY, F. L., English
VAN WINKLE, Q., Chemistry
VERHOEK, F., Chemistry
WADA, W. W., Physics
WALKER, H., Political Science
WALLEY, H. R., English
WATTERS, J. I., Chemistry
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WEISER, H. H., Microbiology
WEITZ, M., Philosophy
WHITE, D., Chemistry
WHITNEY, D. R., Mathematics
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WOLFROM, M. L., Chemistry
WOODS, A. C., Mathematics
YEAGER, W. H., Speech
ZASSENHAUS, H. J., Mathematics

College of Commerce and Administration:
ABROMOWITZ, I., Business Organisation
BARTELS, R., Business Organisation
BASILE, R., Geography
BICKELHAUPT, D. L., Business Organisation
BODENHORN, G. D., Economics
BOWERS, E. L., Economics

BULLOCK, R. P., Sociology and Anthropology
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CONDOIDE, M., Economics
COONS, A. E., Economics
CORNELL, M., Social Work
CRAIG, D. S., Business Organisation
CRAIG, P. G., Economics
CUBER, J. F., Sociology and Anthropology
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DAVIDSON, W. R., Business Organisation
DAVIS, J. H., Business Organisation
DAVIS, R. C., Business Organisation
DINITZ, S., Sociology and Anthropology
DONALDSON, E. F., Business Organisation
DYNES, R. R., Sociology and Anthropology
FERTIG, P. E., Accounting
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HARRISON, D. M., Economics
HICKS, C. B.. Business Organisation
HOFFMAN, L. A., Geography
HUNKER, H. L., Geography
JAMES, C. L., Economics
JONASSEN, C. T., Sociology and Anthropology
JUCIUS, M. J., Business Organisation
KINDIG, F. E., Business Organisation and Economics
KOLLARITSCH, F. P., Accounting
LIVINGSTONE, H. F., Social Work
LOVENSTEIN, M., Economics
LYNN, A. D., Jr., Economics
McCOLLOUGH, E. V., Jr., Accounting
McCOY, J. R., Accounting
MANGUS, A. R., Sociology and Anthropology
MILLER, G. W., Economics
MINER, R. B., Business Organisation
MUNSON, B. E., Sociology and Anthropology
NAGI, S. Z., Sociology and Anthropology
OSTER, C. V., Economics
OYLER, M. D., Sociology and Anthropology
PARNES, H. S., Economics
PFAHL, J. K., Business Organisation
POWELL, R. M., Business Organisation
QUANTIUS, FRANCES W., Business Organisation and Economics
RANDALL, J. R., Geography
RECKLESS, W. C., Sociology and Anthropology
SCHLENDER, W. E., Business Organisation
SHERMAN, R. U., Jr., Economics
SHIMP, E. C., School of Social Work
SHONTING, D. M., Accounting
SLETTO, R. F., Sociology and Anthropology
SMITH, G. H., Geography
STODGILL, R. M., Business Organisation
STONE, L. D., Business Organisation
TAAFFE, E. J., Geography
TYBOUT, R. A., Economics
WEAVER, J. C., Geography
WILLIAMS, T. R., Sociology and Anthropology

College of Dentistry:
ALLISON, M. L., Dentistry
BOUCHER, C. O., Dentistry
DEW, W. C., Dentistry
HEINTZ, W. D., Dentistry
KAISER, J. H., Dentistry
McBRIDE, T. F., Dentistry
McCONNELL, D., Dentistry
PETTIT, L. S., Dentistry
STEFFEL, L. L., Dentistry
STEFFEL, V. L., Dentistry
WILLIAMS, B. H., Dentistry
WILSON, J. R., Dentistry
WISE, CONSUELO, Dentistry
WOELFEL, J. B., Dentistry

College of Education:
ARISMAN, K. J., Education
BARKAN, M., Fine Arts
BOGATAY, P., Fine Arts
BRIGGS, G. E., Psychology
BURNETT, C. W., Education and Psychology
BURR, J. B., Education
CASSIDY, VIOLA, Psychology
CHAFETZ, S., Fine Arts
CLARK, D. L., Education
CONRAD, MARION J., Eeucation
COOK, D. L., Education
COON, H. L., University Schools
CORBALLY, J. E., Jr., Education
COTTRELL, D. P., Education Administration
CSURI, C. A., Fine Arts
CULBERTSON, J., Education
DALE, E., Education
DIERCKS, L. H., Music
EBERHARDT, W. J., Education
EPPERSON, G. M., Music
EVANS, J. O., School of Music
FLETCHER, F. M., Psychology
FRAZIER, A., Education
FRYMIER, J. R., Education
GATRELL, R. M., Fine Arts
GILLILAND, D. V., Music
GUBA, E. G., Education
HADDAD, G., Music
HANNA, J. M., Education
HARDESTY, G. E., Music
HARDING, L. M., Education
HAUSMAN, J. J., Fine Arts
HAWS, R. W., Education Administration
HELD, W., Music
HENDRICKSON, A., Education
HERRICK, J. H., Education
HOPPIN, R. H., Music
HORROCKS, J. E., Psychology
HUCK, CHARLOTTE S., Education
HUELSMAN, C. B., Psychology
HULL, R. B., Education
JENNINGS, W. E., University Schools
JENSON, T. J., Education
JEWETT, R. E., Education
KAPLAN, S. M., Fine Arts
KEMP, C. G., Education
KING, R. D., Fine Arts
KIRCHER, E. J., Education
KLOHR, P. R., Education
KUEHEFUHS, GERTRUDE, Music
LARMEE, R. A., Education
LAUGHLIN, H. D., Education
LAZAR, N., Education
LEWIS, G. L., Education
LITTLEFIELD, E., Fine Arts
LIVINGSTON, H. S., Music
LOGAN, W. B., Education
LOOMIS, MARY J., University Schools
LUDDEN, F. M., Fine Arts
MACCIA, ELIZABETH S., Education
MACCIA, G. C., Education
McGINNIS, D. E., Music
MACMINN, P., Psychology
MEHL, B., Education
MENDERHALL, C. B., Education
MEYER, D. R., Psychology
MILES, R. C., Psychology
MOONEY, R. L., Education Research and Service
MUESSIG, R. H., Education
PEPINSKY, H. B., Psychology
PETERS, H. J., Education
PHELPS, N. F., Music
RAMSEYER, J. A., Education
RAY, W. E., Education
REESE, R. M., Education
REYNARD, H. E., Education
RICHARDSON, J. S., Education
ROBINSON, F. P., Psychology
SCHLESSINGER, F. R., Education
SCHNEIDER, E. H., School of Music
SEVERINO, D. A., Fine Arts
SHARTLE, C. L., Psychology
SHERMAN, H. L., Fine Arts
STAIGER, J. N., School of Music
STAUB, W. F., Education
STEWART, MAUDE A., Psychology
SUTTON, R. B., Education
TAYLOR, R. E., Education
THOMPSON, G. G., Psychology
TOMLINSON, LOREN R., Education
TOOPS, H. A., Psychology
TRIMBLE, H. C., Education
TYLER, I. K., Education
WARNER, W. E., Education
WELLS, INEZ, Education
WHERRY, R. J., Psychology
WICKENS, D. D., Psychology
WOHLERS, A. E., Education
WOOD, D. G., Fine Arts

College of Engineering:
AYRES, E. D., Electrical Engineering
BAKER, D. F., Industrial Engineering
BECK, F. H., Metallurgical Engineering
BISHOP, A. B., Industrial Engineering
BLAU, H. H., Glass Technology
BOLZ, H. A., Mechanical Engineering
BOONE, E. M., Electrical Engineering
BORCHERS, P. E., Jr., Architecture
BRODKEY, R. S., Chemical Engineering
CARSON, G. B., Industrial Engineering
CLARK, E. C., Engineering Mechanics
CLARK, G. M., Architecture
COOPER, C. D., Engineering Drawing
COSGRIFF, R. L., Electrical Engineering
COWAN, J. D., Jr., Electrical Engineering
DAVIS, F. W., Photography
DAVIS, W. C., Electrical Engineering
DRYDEN, C. E., Chemical Engineering
EDSE, R., Aeronautical and Astronautical Engineering
EHLERS, E. G., Mineralogy
EVERHART, J. O., Ceramic Engineering
FOLK, S. B., Engineering Mechanics
FONTANA, M. G., Metallurgical Engineering
FOSTER, W. R., Mineralogy
GATEWOOD, B. E., Aeronautical Engineering
GEANKOPLIS, C., Chemical Engineering
GRAHAM, P. F., Engineering Mechanics
GRAY, H., Civil Engineering
GREEN, R. S., Welding Engineering
HAN, L. S., Mechanical Engineering
HIRTH, J. P., Metallurgical Engineering
JONES, C. D., Mechanical Engineering
KARRER, E. H., Civil Engineering
KAY, W. B., Chemical Engineering
KENNAUGH, E. M., Electrical Engineering
KO, H. C., Electrical Engineering
KOFFOLT, J. H., Chemical Engineering
KOUYOUMJIAN, R. G., Electrical Engineering
KRAUS, J. D., Electrical Engineering
KRUMIN, P. O., Chemical Engineering
LEE, J. D., Aeronautical and Astronautical Engineering
LEHOCZKY, P. N., Industrial Engineering
LEISSA, A. W., Engineering Mechanics
LEVIS, C. A., Electrical Engineering
LI, T. Y., Aero Engineering
McCAULEY, R. B., Jr., Welding Engineering
McLACHLAN, D., Jr., Mineralogy
McMASTER, R. C., Welding Engineering
MARCO, S. M., Mechanical Engineering
MATHIS, H. F., Electrical Engineering
MIDDLETON, A. E., Electrical Engineering
MOORE, H. D., Industrial Engineering
MORRIS, W. T., Industrial Engineering
MOULTON, E. Q., Engineering Mechanics
NEIDENFUHR, F. W., Engineering Mechanics
OJALVO, M., Civil Engineering
PARKINSON, R. W., Engineering Drawing
PEPPER, P. M., Industrial Engineering

Phillian, H. F., Architecture
Powell, G. W., Metallurgical Engineering
Richmond, J. H., Electrical Engineering
Rockwell, R. H., Industrial Engineering
Russell, R., Jr., Ceramic Engineering
St. Pierre, G. R., Metallurgical Engineering
Shupe, H. W., Engineering Drawing
Smith, C. B., Civil Engineering
Smith, N. A., Electrical Engineering
Speiser, R., Metallurgical Engineering
Spretnak, J. W., Metallurgical Engineering
Starkey, W. L., Mechanical Engineering
Stollman, I., Architecture
Syverson, A., Chemical Engineering
Tai, C. T., Electrical Engineering
Thurston, M. O., Electrical Engineering
Tilley, G. L., Architecture
von Eschen, G. L., Aeronautical and Astronautical Engineering
Wagner, R. W., Photography
Walter, C. H., Electrical Engineering
Warren, C. E., Electrical Engineering
Watkins, F. E., Engineering Drawing
Weed, H. R., Electrical Engineering
Weimer, F. C., Electrical Engineering
Wenden, H. E., Mineralogy
West, C. T., Engineering Mechanics
Whitaker, E., Architecture
Wilson, F. E., School of Architecture
Yarrington, P. T., Engineering Drawing
Zimmerman, R. H., Mechanical Engineering

College of Law:
Ball, V. C., Law
Bernstein, M. C., Law
Burke, W. T., Law
Callahan, C. C., Law
Herman, L., Law
Karst, K. L., Law
Lynn, R. J., Law
Miller, R. S., Law
Nordstrom, R. J., Law
Pollack, E. H., Law
Raskind, L. J., Law
Stanger, R. J., Law
Wills, R. L., Law

College of Medicine:
Ackerman, G. A., Anatomy
Allen, J. N., Medicine
Ambuel, J. P., Pædiatrics
Angerer, C., Physiology
Aplington, H. W., Jr., Anatomy
Beman, F. M., Medicine
Blackwell, H. R., Ophthalmology
Bozler, E., Physiology
Browning, R. H., Medicine
Christoforidis, A., Radiology
Clatworthy, H. W., Surgery
Cole, C. R., Pathology
Cornwell, D. G., Physiological Chemistry
Cramblett, H. G., Pædiatrics
Curtiss, P. H., Jr., Surgery
Dodd, M. C., Pathology
Eglitis, J. A., Anatomy
Fancher, P. S., Preventive Medicine
Frajola, W. J., Pathology and Physiological Chemistry
Freimanis, A. K., Radiology
Graham, B. D., Pædiatrics
Graves, G. O., Anatomy
Gregory, I., Psychiatry
Grubbs, R. C., Physiology
Hamelberg, W., Jr., Surgery
Hamwi, G. J., Medicine
Havener, W. H., Ophthalmology
Heisel, E. B., Medicine
Hiatt, E. P., Physiology
Hollenbreck, Z. J., Obstetrics and Gynæcology
Hosier, D. M., Pædiatrics
Hunt, W. E., Surgery
Johnson, E. W., Physical Medicine
Johnson, R. M., Jr., Physiological Chemistry
Klassen, K. P., Surgery
Knies, P. T., Medicine
Knoblock, Hilda, Pædiatrics
Kruger, F. A., Physiological Chemistry
Lewis, Martha N., Preventive Medicine and Para-Medical Science
Liss, L., Pathology and Psychiatry
Little, R. C., Physiology
Locher, Barbara, Para-Medical Science
MacPherson, C. R., Pathology
Makley, T. A., Ophthalmology
Marks, B. H., Physiological Chemistry and Pharmacy
Meiling, R. L., Obstetrics and Gynæcology
Mitchell, J. H., Medicine
Molnar, W., Radiology
Myers, W. G., Psychiatry and Medicine
Nelson, S. W., Radiology
Newton, Mildred E., Nursing
Palmer, D. M., Medicine and Anatomy
Pasamanick, B., Psychiatry
Patterson, R. M., Psychiatry
Pomeroy, T. C., Radiology
Prior, J. A., Medicine and Medical Research
Rheins, M. S., Pathology
Ryan, J. M., Medicine and Medical Research
Saslaw, S., Medicine and Medical Research
Saunders, W. H., Oto-Laryngology
Scarpelli, D. G., Pathology
Schieve, J. F., Medicine
Shaffer, T. E., Pædiatrics and Preventive Medicine
Shillito, F. H., Preventive and General Medicine
Shirk, Frieda I., Nursing
Ullery, J. C., Obstetrics and Gynæcology
Vonhaam, E., Pathology
Wall, R. L., Medicine
Warren, J. V., Medicine
Williams, R. D., Surgery
Wilson, H.E., Medicine
Winter, C. C., Surgery
Zollinger, R. M., Surgery

College of Pharmacy:
Beath, J. L.
Guth, E. P.
Malspeis, L.
Nelson, J. W.
Parks, L. M.
Tye, A.

College of Veterinary Medicine:
Cole, C. R., Veterinary Pathology
Diesem, C. D., Veterinary Anatomy
Donovan, E. F., Veterinary Medicine
Griesemer, R. A., Veterinary Pathology
Farrell, R. L., Veterinary Pathology
Helwig, J. H., Veterinary Preventive Medicine
Henthorne, R. D., Veterinary Medicine
Johnson, L. E., Veterinary Surgery and Radiology
Jones, D. O., Veterinary Preventive Medicine
Koestner, A., Veterinary Pathology
Koutz, F. R., Veterinary Parasitology
Pounden, W. D., Veterinary Physiology and Pharmacology
Redding, R. W., Veterinary Physiology and Pharmacology
Rheins, M. S., Veterinary Medicine
Rudy, R. L., Veterinary Surgery and Radiology
Smith, C. R., Veterinary Physiology and Pharmacology

OHIO UNIVERSITY

ATHENS, OHIO

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Vice-President (Academic Affairs): T. S. Smith, Ph.D.
Vice-President (Business Affairs): P. R. O'Brien, A.B.C.
Registrar: R. E. Mahn, M.A.
Director of Admissions: J. Reese, A.B.
Librarian: W. W. Wright, B.S.L.S.
Curator: A. H. Blickle, Ph.D.

The library contains 370,000 volumes.
Number of teachers: 455.
Number of students: 6,217 men, 4,025 women, total 10,242.

Publication: *Ohio University Review.*

DEANS:

Engineering and Technology: E. J. Taylor, M.S.
Arts and Science: R. Elliott, Ph.D.
Business Administration: P. L. Noble, Ph.D.
Education: G. W. Crowell, Ed.D.
Fine Arts: E. C. Seigfred, Ph.D.
University: G. Paulsen, Ph.D.
Graduate: D. R. Clippinger, Ph.D.

OHIO WESLEYAN UNIVERSITY

DELAWARE, OHIO

Telephone: Delaware 3631261.
Telegraphic Address: Delaware, Ohio.

Founded by Methodist Episcopal Church 1841; Chartered 1842.

President: Elden T. Smith.
Treasurer: R. A. Atkinson.
Vice-President (Academic Affairs): E. C. Shuck.
Vice-President (Business Affairs): R. W. Meyer.
Registrar: C. D. Willis.
Dean of Men: R. Stead.
Acting Dean of Women: Margaret Forsythe.

Number of teachers: 155.
Number of students: 2,400.

Publications: *OWU Catalog* (yearly), *Transcript* (weekly), *Alumni Magazine* (6 issues).

OTTERBEIN COLLEGE

WESTERVILLE, OHIO 43081

Telephone: 882-3601.

Founded 1847.

President: Lynn W. Turner.
Registrar: V. L. Raver.
Director of Admissions: M. Kish.
Librarian: J. Becker.

The library contains 66,000 volumes.
Number of teachers: 100.
Number of students: 1,400.

OUR LADY OF CINCINNATI COLLEGE

EDGECLIFF, WALNUT HILLS, CINCINNATI, OHIO 45206

Telephone: Area Code 513, 961-3770.

Founded 1935.

President: Sister MARY VIRGINIA, R.S.M.
Registrar: Sister MARY MARTINA, R.S.M.
Librarian: Sister ESTHER MARIE, R.S.M.

The library contains 30,000 volumes (approx.).
Number of teachers: 81.
Number of students: 1,102.

SAINT JOHN COLLEGE OF CLEVELAND

1033 SUPERIOR AVENUE, CLEVELAND, OHIO 44114

Telephone: Area Code 216, 771-2388.

Founded 1928.

President: Rt. Rev. Mgr. LAWRENCE P. CAHILL.
Registrar: JOAN RICHARDS.
Librarian: Sister MARY FLORIAN, S.S.J.

The library contains 49,801 volumes.
Number of teachers: 80.
Number of students: 635.

UNIVERSITY OF AKRON

302 E. BUCHTEL AVENUE, AKRON, OHIO 44304

Telephone: POrtage 2-2441.

Founded 1870 by Ohio Universalist Convention; became Municipal University of Akron 1913; present title 1926.

President: NORMAN P. AUBURN, A.B., D.SC., LITT.D., L.H.D., LL.D.
Vice-President and Dean of Administration: D. J. GUZZETTA, ED.D.
Financial Vice-President: I. R. MACGREGOR, PH.D.
Controller: R. PECK, B.S.B.A., C.P.A.
Registrar: G. A. HAGERMAN, B.A.
Librarian: DOROTHY HAMLEN, B.S.L.S.

The library contains 185,000 volumes.
Number of teachers: 360.
Number of students: 7,664.
Day Session: 2,455 men, 1,607 women, total 4,062.
Evening Session: 2,449 men, 1,153 women, total 3,602.
Publications: *Bulletin* (annual), *The Alumnus* (quarterly), *From the Hilltop* (quarterly).

DEANS:

Buchtel College of Liberal Arts: G. W. KNEPPER, PH.D.
College of Education: C. T. MCNERNEY, PH.D.
College of Engineering: M. J. RZASA, PH.D.
College of Business Administration: R. C. REIDENBACH, PH.D.
College of Law: S. A. SAMAD, LL.M.
General College: T. SUMNER, PH.D.
Graduate: E. H. CHERRINGTON, Jr., PH.D.
Community and Technical College: W. M. PETRY, M.S.M.E.
Evening and Adult Education: W. A. ROGERS, ED.M.
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Summer Sessions: W. A. ROGERS, ED.M.

UNIVERSITY OF CINCINNATI

CINCINNATI, OHIO 45221

Telephone: 475-8000.

Chartered as Cincinnati College 1819; as University of Cincinnati and as a municipal institution 1870.

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Senior Vice-President and Dean of University Administration: R. C. BURSIEK, COM.E., A.M.
Vice-President and Dean of the Faculties: H. S. GREENE, PH.D., SC.D.
Vice-President and Director of Medical Center: C. F. ST. JOHN, B.S., M.D.
Vice-President for Development: F. T. PURDY, A.B., LL.B.
Associate Dean of University Administration and Controller: R. W. HOEFER, B.S. IN COM.E.
Registrar and Dean of Admissions: G. G. PARKER, PH.D.
Librarian: A. T. HAMLIN, A.B., B.S. IN L.S.

Number of teachers: 1,867.
Number of students: day colleges 13,330, evening college 9,729, summer school 3,630, total 26,689.

DEANS:

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McMicken College of Arts and Sciences: C. K. WEICHERT, PH.D.
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College of Education and Home Economics: C. V. GOOD, PH.D., LL.D.
College of Business Administration: K. WILSON, PH.D.
College of Medicine: C. G. GRULEE, Jr., A.B., M.D.
College of Law: C. R. SOWLE, B.S., J.D.
College of Nursing and Health: LAURA E. ROSNAGLE, R.N., A.M., LL.D.
College of Design, Architecture and Art: H. R. RICE, ED.D., L.H.D.
College of Pharmacy: J. F. KOWALEWSKI, PH.D.
College-Conservatory of Music: J. M. WATSON, PH.D., MUS.D.
University College: H. C. KRUEGER, PH.D.
Evening College: F. R. NEUFFER, COM.E., LL.D.
Summer School: R. W. BISHOP, PH.D.
Placement and Coordination: P. R. MARVIN, PH.D.
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Women: MARGARET NOLTE, PH.D.
Men: W. R. NESTER, ED.M.

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CASTER, K., PH.D., Geology
CLARK, W., PH.D., Comparative Literature
DEMBER, W. N., PH.D., Psychology
EGLE, W. P., PH.D., Economics
EVERT, C. F., PH.D., P.E., Electrical Engineering
FRANKE, E. K., DR.ING., Biophysics
FULFORD, MARGARET, PH.D., Botany
GOODMAN, B., PH.D., Physics
GOODSTEIN, L. D., PH.D., Psychology
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HARRELL, C. A., A.B., LL.D. (HON.), M.A., C.E., M.S. IN PUB. ADMIN., Political Science
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JAEGER, A., DR.RER.NAT. (Göttingen), Mathematics
JAFFE, H., PH.D., Chemistry
JOHNSON, LILLIAN, PH.D., Psychology
KISKER, G., PH.D., Psychology
LANGSAM, W. C., PH.D., LITT.D., L.H.D., SC.D., LL.D., History
LANSKY, L. M., PH.D., Psychology
LEE, G., PH.D., Aerospace Engineering
LUDEKE, C. A., PH.D., Physics
MACINTYRE, A. J., PH.D., Mathematics
MERKEL, G., PH.D., Germanic Languages and Literatures
PARIS, N. M., PH.D., Psychology
RODDY, W. T., B.E.CH., M.S., Basic Science in Tanning Research
STUBBINS, W. F., E.E., PH.D., Physics
TOPPING, P., PH.D., History and Later Greek Studies

McMicken College of Arts and Sciences:
ALLINSMITH, W., PH.D., Psychology
BALINKIN, I., B.S., M.E., PH.D., Experimental Physics
BARROLL, J. L., III, PH.D., English
BONNER, T. N., PH.D., History
BOULTER, C., PH.D., Classics
BRADEEN, D. W., PH.D., Classics and Ancient History
BROWNE, S. S. S., B.LITT., PH.D., Philosophy
CAMERON, T., PH.D., Chemistry
CARDEW, R. H., PH.D., Romance Languages
CARLSON, G., PH.D., Anthropology
CROCKETT, C., PH.D., Philosophy
DOOLITTLE, J., PH.D., Romance Languages
DREYER, W. A., PH.D., Zoology
DUX, D., PH.D., Political Science
ENGBERG, G., PH.D., History
GREENE, H. S., PH.D., P.E., Chemistry
HARLAN, L., PH.D., History
HERGET, P., PH.D., Astronomy
HOLLIDAY, J. E., A.M., History
HUBERT, CLAIR E., PH.D., Psychology
JENKS, W. F., PH.D., Geology
JONES, D. R., PH.D., Physics
KNOBLAUGH, A. F., B.S. IN ENG,. PH.D., Physics
KRUEGER, H., PH.D., History
KUHN, A., PH.D., Economics
LIPSICH, H. D., PH.D., Mathematics
MCCARTHY, J., PH.D., Physics
MCDANIEL, D., PH.D., Chemistry
MCNEE, R. B., PH.D., Geography
MARGOLIS, J., PH.D., Philosophy
MARNI, A., PH.D., Romance Languages and Literature
MERRIMAN, G., PH.D., Mathematics
ORCHIN, M., PH.D., Chemistry
PAUL, A., PH.D., Speech and Theatre Arts
PAULS, J. P., PH.D., Russian Languages
QUINN, J., PH.D., Sociology
RABE, E., PH.D., Astronomy

ROBINSON, J. K., PH.D., English
ROMANO, A. H., PH.D., Bacteriology
SEEMAN, W., PH.D., Psychology
SHOBEN, E. J., PH.D., Psychology
SPOOR, W., PH.D., Zoology
STERN, G., PH.D., Germanic Language and Literature
TRAUMAN, C. R., PH.D., Latin and Romance Palæography
VOGEL, C. W., PH.D., History
WARNER, H., A.M., History
WEICHERT, C. K., PH.D., Zoology
WESSEL, R. H., PH.D., Economics
WRIGHT, W. R., PH.D., Physics
ZIMMER, H., DR.ING., Chemistry

College of Engineering:
BAKER, J. L., B.S. IN C.E., M.S., P.E., Mathematics
BALDWIN, B., M.E., P.E., Mechanical Engineering
BERESKIN, A. B., E.E., M.S. IN ENG., P.E., Electrical Engineering
BUNTING, J. W., M.E., P.E., Mechanical Engineering
DANGEL, H., M.E., P.E., Mathematics
DELCAMP, R. M., PH.D., Materials Science
DOTY, L. F., PH.D., Mechanics
DUNHOLTER, R., C.E., PH.D., P.E., Mechanics
ENGELMANN, R., M.S., P.E., Electrical Engineering
GILBERT, N., PH.D., Chemical Engineering
HARRINGTON, R. P., D.SC., P.E., Aerospace Engineering
HERWEH, A. C., E.E., M.S. IN ENG., P.E., Electrical Engineering
JUSTICE, H. K., C.E., PH.D., P.E., Mathematics
LAUSHEY, L. M., D.S.C., P.E., Civil Engineering
LEMLICH, R., PH.D., PE., Chemical Engineering
LICHT, W., CH.E., PH.D., P.E., Chemical Engineering
LUBIN, C. I., CH.E., PH.D., Mathematics
MCDUFFIE, R. O., B.CHEM., PH.D., P.E., Metallurgical Engineering
MIDDENDORF, W., B.E.E., PH.D., P.E., Electrical Engineering
MORSE, I. E., Jr., PH.D., Mechanical Engineering
PRICE, R. H., PH.D., Materials Science
RESTEMEYER, W., E.E., A.M., P.E., Applied Mathematics
SALKOVER, M., PH.D., Mathematics
SARVER, J. H., M.E., Engineering Graphics
SCHLEEF, D. J., B.S.M.E., PH.D., P.E., Mechanical Engineering
TSE, F. S., M.S. IN M.E., M.B.A., PH.D., Mechanical Engineering
WANDMACHER, C., M.C.E., P.E., Civil Engineering
WESTERMANN, F. E., CH.E., PH.D., P.E., Metallurgical Engineering
WHITE, E., C.E., P.E., Mathematics

College of Education and Home Economics:
CARTER, W. L., PH.D., Education
CASKEY, HELEN J., PH.D., Education
GOOD, C. V., PH.D. IN ED., Education
HENDRICKSON, G., PH.D. IN ED., Education
JONES, W., ED.D., Education
LEITH, H., M.B.A., ED.D., Business Education
LIGOURI, F. E., PH.D., Business Education
MANNEY, AGNES, PH.D., Education
MILEHAM, M. C., A.B., ED.M., Physical and Health Education
NUNNALLY, NANCY, ED.D., Education
POUNDS, R. L., PH.D., Education
PRICE, D. H., ED.D., Vocational Education
PRICE, R. D., PH.D., Education
SCHNITZER, W. J., ED.D., Physical and Health Education
WEILBAKER, C. R., ED.D., Education
WHITEFORD, EMMA, ED.D., Home Economics

College of Business Administration:
AUMEND, C. L., M.B.A., Finance
BAKER, H. G., B.S. IN COM., ED.D., Management
BALL, R. E., PH.D., Finance
BAUDE, W. A., CH.E., B.S.COM., Statistics
BURSIEK, R. C., COM.E., A.M., Economics
DILLON, R. E., PH.D., Marketing
GEIS, N. C., COM.E., A.M., C.P.A., Accounting
GORE, G. J., PH.D., Management
HARTMAN, G. E., M.B.A., Marketing
HAYS, R. B., A.B., A.M., LL.D., D.SC., Business Administration
HOLMES, A. W., B.S. IN COM., C.P.A., Accounting
KARAS, M. R., PH.D., Marketing
KILEY, W. A., B.SC., LL.B., LL.M., C.P.A., Business Law
MCDOWELL, W. J., PH.D., Marketing
OVERMYER, W. S., A.M., C.P.A., Accounting
SHARROCK, R. R., A.M., Marketing
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SUAGEE, F. F., PH.D., Economics
WILSON, K., PH.D., Commerce

College of Medicine:
ACHESON, G. H., A.B., M.D., Pharmacology
ALTEMEIER, W. A., M.S., M.D., Surgery
ARING, C. D., B.S., M.D., Neurology
BARRETT, C. M., A.B., M.D., Therapeutic Radiology
BLACK-SCHAFFER, B., B.S., M.D., Pathology
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CHOLAK, J., CH.E., Industrial Health
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FELSON, B., B.S., M.D., Radiology
FOWLER, N. O., M.D., Medicine
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FREIBERG, J. A., A.M., M.D., Orthopædic Surgery
GALL, E. A., M.D., Pathology
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GLESER, G. C., PH.D., Psychology
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GRUPP, G., M.D., Experimental Medicine
GUEST, G. M., A.M., M.D., Research Pædiatrics
HAMBURGER, M., A.B., M.D., Medicine
HELM, R. A., B.S., M.D., Medicine
HORTON, A. W., PH.D., Industrial Health
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MACMILLAN, B. G. B.A., M.D., Surgery
MATTINGLY, S. F., D.V.M., Animal Medicine
PHAIR, J. J., M.D., D.P.H., Preventive Medicine
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PRATT, E. L., B.S., M.D., Pædiatrics
RADFORD, E. P., Jr.
REINEKE, H. G., B.S., M.D., Clinical Radiology
ROSS, W. D., B.S., M.D., Psychiatry and Industrial Medicine
SABIN, A. B., B.S., M.D., SC.D., H.D., H.L.D., Distinguished Service Professor of Research Pædiatrics
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SILER, V. E., A.B., M.A., Surgery
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WOZENCRAFT, J. P., A.B., M.D., Pathology

College of Law:
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DEWEY, F. A., A.B., LL.M., J.D., Law
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LESTER, W. R., A.B., J.D., LL.M., Law
RUTTER, I. C., A.B., LL.B., Law
SOWLE, C. R., B.S., J.D., Criminal Law

College of Nursing and Health:
DARRINGTON, MABLE I., A.M., Nursing and Health
GILCHRIST, CLARA M., A.M., Nursing and Health
ROSNAGLE, LAURA, A.M., LL.D., Nursing and Health

College of Design, Architecture and Art:
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DESHON, R. A., M.ARCH., Architecture
GROOMS, R., Art
MARTIN, C. L., B.S. IN ARCH., Architecture
MERKEL, K. H., B.S. IN ARCH., Architecture
NOHEIMER, M. J., B.A.A., Design
QUAYLE, E. J., B.F.A., Drawing and Painting
RHOADES, M. R., Design
RICE, H. R., B.S. IN A.A., ED.D., L.H.D., Design
STEVENS, R. J., M.S. IN ARCH., Design

College of Pharmacy:
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SWISHER, C. A., PH.D., Pharmaceutical Chemistry

College-Conservatory of Music:
WATSON, J. M., PH.D., Music
WHIKEHART, L. E., S.M.D., Choral and Church Music

Evening College:
NEUFFER, F. R., COM.E., LL.D., Adult Education

Co-ordination and Placement:
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MARVIN, P. R., PH.D., Co-ordination

MOSBACKER, WANDA B., ED.M., Co-ordination
SCHWALLIE, L. J., COM.E., Co-ordination

Military and Air Sciences:
FUNK, M. A., Col. Artillery, A.B., Military Science
WEICHERT, S. J., Lt.-Col. U.S.A.F., M.S., Air Science

University College:
KRUEGER, H. C., PH.D., History

UNIVERSITY OF DAYTON

DAYTON 9, OHIO

Telephone: 513-461-5500.

Founded 1850.

President: Very Rev. RAYMOND A. ROESCH, S.M.
Vice-President: Rev. G. B. BARRETT, S.M.
Provost: Rev. C. J. LEES, S.M.
Registrar: Bro. J. J. DRERUP, S.M.
Comptroller: G. W. VONDERBRINK.
Business Manager: Bro. J. J. MERVAR, S.M.
Librarian: Bro. R. H. NARTKER, S.M.

The library contains 170,000 volumes.
Number of teachers: 458.
Number of students: (day) 3,668 men, 1,633 women, (night) 1,853 men, 848 women, total 8,002.

DEANS:

Students: Bro. T. P. SCHICK, S.M.
Men: Bro. S. I. SHEEHY, S.M.
Women: (Vacant).
Arts and Science: Bro. L. MANN, S.M.
Graduate School of Arts and Sciences: Very Rev. J. A. ELBERT, S.M.
School of Engineering: Dr. M. R. GRANEY.
School of Business: W. J. HOBEN.
School of Education: Bro. J. J. PANZER, S.M.

DIRECTORS:

Technical Institute: J. L. McGRAW.
Summer Session: R. E. DONOVAN.
Special Sessions: J. B. STEINBRUEGGE.

THE UNIVERSITY OF TOLEDO

TOLEDO 6, OHIO

Telephone: JEfferson 1-1451.

Founded 1872 as Toledo University of Arts and Trades; became Municipal University 1884.

President: WILLIAM S. CARLSON, PH.D., LL.D., D.SC.
Vice-President and Treasurer: W. W. SMITH, M.S.
Executive Vice-President: J. R. LONG, M.A., ED.D.
Provost: G. E. GIESECKE, M.A., PH.D.
Registrar: ALINA MARKOWSKI, B.A., BUS.AD.
Librarian: MARY M. GILLHAM, B.A., LIB.SCI., M.A.

The library contains 259,467 bound volumes.
Number of teachers: 320 full-time, 180 part-time.
Number of students: 6,472 men, 2,718 women, total 9,190.
Publication: *Bulletin* (monthly).

DEANS:

College of Arts and Sciences: J. W. KLOUCEK, PH.D.
College of Business Administration: (Vacant).
College of Education: G. E. DICKSON, ED.D.
College of Engineering: O. F. ZMESKAL, SC.D.
College of Law: K. KRASTIN, J.S.D.
College of Pharmacy: C. W. LARWOOD, PH.D.
Dean of Women: M. KATHRYN SCHWAB, M.A.
Dean of Men: A. L. BLACK, M.S.
Dean of Students: D. S. PARKS, M.B.A.
Adult and Continuing Education: R. C. KENDALL, ED.D.
Research: A. N. SOLBERG, PH.D.
Graduate School: A. N. SOLBERG, PH.D.
University Community and Technical College: N. C. ROCHTE, PH.D.

DIRECTORS:

Summer Sessions: C. J. KIRSCHNER, M.A.
Admissions and Records: R. R. PERRY, ED.D.
Counselling and Testing: R. HOPKINS, ED.D.

URSULINE COLLEGE FOR WOMEN

OVERLOOK AND CEDAR ROADS, CLEVELAND, OHIO 44106

Telephone: 795-5151.

Founded 1871.

President: Mother MARIE SANDS, O.S.U.
Director of Admissions: CAROLE A. LANPHIER.
Librarian: Mother M. NATALIE.

The library contains 37,000 volumes.
Number of teachers: 40.
Number of students: 350.

WESTERN COLLEGE FOR WOMEN

OXFORD, OHIO

Telephone: Area Code 513, 529-8011.

Founded 1853.

President: HERRICK B. YOUNG.
Registrar: Mrs. WILMA T. SCHOLL.
Director of Admissions: Miss MARY L. CHARLES.
Librarian: Miss ESTHER DUGGLEBY.

The library contains 60,000 volumes.
Number of teachers: 61.
Number of students: 500.

WESTERN RESERVE UNIVERSITY

2040 ADELBERT ROAD, CLEVELAND, OHIO 44106

Founded 1826.

President: JOHN S. MILLIS, PH.D., LL.D., SC.D., L.H.D.
Provost: A. F. MORITZ, M.D., PH.D.
Vice-President for Finance and Treasurer: D. FAULKNER, PH.D., LL.D.
Vice-President for Student Services: W. M. HESTON, PH.D.
Vice-President for Development: F. R. CLIFFORD, A.B.
Registrar: J. C. BRAYTON.
Secretary: CAROLYN NEFF, A.B.
Director, University Office of Research: A. C. MOORE, PH.D.
Librarian: L. N. RICHARDSON, PH.D.

The library contains 841,152 volumes.
Number of teachers: 1,538.
Number of students (1964–65): 6,774 men, 5,361 women, total 12,135.
Publication: *Bulletin.*

DEANS:

Arts and Sciences: F. H. HURLEY, PH.D.
Adelbert College: C. H. CRAMER, PH.D.
Cleveland College: L. E. BROWN, M.A.
Flora Stone Mather College: ELIZABETH T. HASTINGS, PH.D.
Frances Payne Bolton School of Nursing: ROZELLA M. SCHLOTFELDT, PH.D.
Graduate School: L. G. CROCKER, PH.D.
School of Applied Social Sciences: H. D. STEIN, D.S.W.
School of Dentistry: P. E. BOYLE, D.M.D.
Franklin Thomas Backus School of Law:
Administrative Affairs: O. C. SCHROEDER, Jr., A.B., LL.B. (acting).
Academic Affairs: M. S. CULP, A.B., A.M., LL.B., S.J.D. (acting).
School of Library Science: J. H. SHERA, PH.D.
School of Medicine: D. D. BOND, M.D.
Graduate School of Business: F. H. HURLEY, PH.D. (acting).

PROFESSORS:

ADRIAN, A. A., PH.D., English
ALBEE, G. W., PH.D., Psychology
AUSTIN, MARY C., PH.D., Education
BACON, C. S., Jr., PH.D., Geology
BADGER, G. F., M.D., PH.D., Biostatistics
BALL, VICTORIA K., PH.D., Interior Design
BARLOON, M., M.B.A., Business and Economics
BEATTY, R. C., D.D.S., Orthodontics
BENDEROFF, OLGA C., M.S. (NURS.), Nursing
BERNE, R. M., M.D., Physiology
BERRETTONI, J. N., PH.D., Statistics
BIDWELL, R., PH.D., Biology
BOND, D. D., M.D., Psychiatry
BOYLE, P. E., D.M.D., Oral Pathology, Biology and Medicine
BROWN, L. E., M.A., Adult Education
BRUELL, J. H., PH.D., Psychology
BURWASSER, P., D.D.S., PH.D., Pedodontics
CALKINS, F. J., PH.D., Banking and Finance
CARTER, C. E., M.D., Pharmacology
CHANDRASEKHAR, B., PH.D., Physics
CHAPMAN, E. H., PH.D., Art
CORRY, W. E., D.D.S., Crown and Bridge Dentistry
CRAMER, C. H., PH.D., History
CROCKER, L. G., PH.D., Romance Languages
CULP, M. S., LL.B., S.J.D., Law
CUMMINS, A. B., J.D., Industry
DANNLEY, R. L., PH.D., Chemistry
DAVIS, C. C., PH.D., Biology
DAVIS, H. S., M.D., Anæsthesia
DINGLE, J., M.D., SC.D., Preventive Medicine
DOBYNS, B., M.D., PH.D., Surgery
DONNER, H. F., SC.D., Geology
DRESSEL, R. P., D.D.S., Restorative Dentistry
EPHRUSSI, B., M.A., SC.D., Biology, Developmental Genetics
EPHRUSSI-TAYLOR, HARRIET, PH.D., Biology
ERICKSON, A. B., PH.D., History
EVANS, E. G., Jr., PH.D., Music

FINNIGAN, E. L., M.A., Physical Education
FISHER, R., M.SC., Social Work
FOCKE, HELEN M., A.M., B.S. IN L.S., Library Science
FOLEY, J. M., M.D., Neurology
FRIEDE, R. L., M.D., Neuropathology
FRIEDELL, H. L., M.D., PH.D., Radiology
FRIEND, J. H., PH.D., English
GABUZDA, G. J., M.D., Medicine
GARDNER, W. M., D.D.S., Preventive Dentistry and Periodontics
GIMENO, J., PH.D., Romance Languages
GREGG, DOROTHY E., M.A., Psychiatric Nursing
GREGG, E. C., PH.D., Radiology
GRUENINGER, R. M., PH.D., Physical Education
GRUMMITT, O. J., PH.D., Chemistry
GRUNDSTEIN, N. D., PH.D., LL.B., Political Science
HAM, T. H., M.D., Medicine
HAMILTON, H. W., PH.D., English
HARRIS, J. W., M.D., Medicine
HARTFORD, MARGARET E., PH.D., Social Work
HASTINGS, ELIZABETH T., PH.D., English
HENDRICKS, C. H., M.D., Obstetrics and Gynæcology
HERNDON, C. H., M.D., Orthopædic Surgery
HERTZ, MARGUERITE, PH.D., Psychology
HERZBERG, F. I., PH.D., Psychology
HEYMANN, W., M.D., Pædiatrics
HINGSON, R., M.D., Anæsthesia
HIRSCHMAN, H., M.D., PH.D., Biochemistry
HOLDEN, W. D., M.D., Surgery
HOVORKA, F., PH.D., Chemistry
HUBAY, C. A., M.D., Surgery
HUEBSCH, W. M., PH.D., Mathematics
HUNSCHER, HELEN A., PH.D., Nutrition
IRWIN, W. P., II, PH.D., Political Science
JONES, W. P., PH.D., English
KADISH, M., PH.D., Philosophy
KAPLAN, M. H., M.D., Medicine
KESSLER, JANE W., PH.D., Psychology
KIEHN, C., D.D.S., M.D., Oral and Maxillo-Facial Surgery
KISSLINGER, L. S., PH.D., Physics
KOLETSKY, S., M.D., Pathology
KRAMPITZ, L. O., PH.D., Microbiology
LANKELMA, H. P., PH.D., Chemistry
LAWYER, K., PH.D., Marketing and Merchandising
LEATHEM, B. S., LL.B., Dramatic Arts
LEE, S. E., PH.D., Art
LEIGHTON, W., PH.D., Mathematics
LEVENSON, W. B., PH.D., Education
MCCOLLOM, W. G., PH.D., English
MCCUSKEY, S. W., PH.D., Astronomy
MCFARLAND, T. A., Jr., PH.D., English
MCMILLAN, S. S., PH.D., Economics
MAJOR, J. K., PH.D., Physics
MEIER, ELIZABETH G., D.S.W., Social Work
MILES, NADINE, A.M., Dramatic Arts
MORGAN, W. S., M.D., Pathology
MORITZ, A. R., M.D., Pathology
MULHAUSER, RUTH, PH.D., Romance Languages
MUNRO, T., PH.D., Art
MUNSTER, J. H., Jr., S.J.D., Law
NULSEN, F. E., M.D., Neurosurgery
OLAH, G. A., PH.D., Chemistry
OTIS, J. L., PH.D., Psychology
PACE, E. L., PH.D., Chemistry
PARKER, R., M.D., Microbiology
PERSKY, L., M.D., Urology
PRIESTLEY, W. T., B.ARCH., Architecture
PRITCHARD, W. H., M.D., Medicine
PTACEK, P. H., PH.D., Speech Pathology and Audiology
PUCKETT, N. N., PH.D., Sociology
RAMMELKAMP, C. H., M.D., Medicine
RATNOFF, O. D., M.D., Medicine
RAWSKI, C. H., PH.D., Library Science
REAGAN, J. W., M.D., Pathology
REHOR, C. F., PH.D., English
RHINELANDER, F., M.D., Orthopædic Surgery
RICHARDSON, L. N., PH.D., English
ROBBINS, F. C., M.D., Pædiatrics
ROSOW, I., PH.D., Social Work
ROSS, H. A., LL.M., S.J.D., Law
RUDNEY, H., PH.D., Biochemistry
RYAN, K. J., M.D., Obstetrics and Gynæcology
SAKAMI, W., PH.D., Biochemistry
SALM, P., PH.D., German
SAYERS, G., PH.D., Physiology
SCHERMERHORN, R. A., PH.D., Sociology
SCHLOTFELDT, ROZELLA M., PH.D., Nursing
SCHMIDT-NIELSEN, B., DR.PHIL., Biology
SCHNEIDERMAN, H. K., PH.D., Biology
SCHROEDER, O. C., LL.B., Law
SCOTT, D. S., D.D.S., Physical Biology in Dentistry
SCOTT, R. B., M.D., Obstetrics and Gynæcology
SECHER, H. P., PH.D., Political Science
SHANKER, M. G., J.D., Law
SHERA, J. H., PH.D., Library Science
SHERWOOD, P. P., D.D.S., Endodontics, Roentgenology
SHIPLEY, R. A., M.D., Medicine
SHOLANDER, M. C., PH.D., Mathematics
SIMEONE, F. A., M.D., S.C.M., Surgery
SINEY, M., PH.D., History
SINGER, M., PH.D., Anatomy
SMITH, J. C., LL.M., Law
SPECTOR, S., M.D., Pædiatrics
SPOCK, B., M.D., Child Development
STAIR, JEAN, ED.D., Public Health Nursing
STAVITSKY, A. B., PH.D., V.M.D., Microbiology
STEHLI, F. G., PH.D., Geology
STEIN, H. D., D.S.W., Social Work
STEINBERG, A. G., PH.D., Biology
STEWART, J. H., PH.D., History
STORAASLI, J. P., M.D., Radiology
SUSSMAN, M. B., PH.D., Sociology
SWIM, H. E., PH.D., Microbiology
TAUBER, G. E., PH.D., Physics
TEST, E. I., M.SC., Social Work
THOMAS, C. I., M.D., Ophthalmology
TURNER, J. B., D.S.W., Social Work
UTTER, M. F., PH.D., Biochemistry
VICTOR, M., M.D., Neurology
WALLACE, W. MCL., M.D., Pædiatrics
WEINBERG, J. W., PH.D., Physics
WEISBERGER, A. S., M.D., Medicine
WELFLING, W., PH.D., Economics, Banking, Finance
WISH, H., PH.D., History
WISOTZKY, J., PH.D., Oral Biology and Medicine
WOLFE, R. E., PH.D., Biblical Literature
WOOD, H. G., PH.D., D.SC., Biochemistry
YANKEE, G. G., PH.D., Accounting
YEAGER, E. B., PH.D., Chemistry
YOUNG, D. M., PH.D., Economics
ZILSEL, P. R., PH.D., Physics

WILBERFORCE UNIVERSITY

WILBERFORCE, OHIO 45384

Telephone: 372-8074.

Founded 1856.

President: DR. REMBERT E. STOKES.
Registrar: ALTHA C. BROWN.
Librarian: RACHEL TANNER.

The library contains 33,000 volumes.
Number of teachers: 30.
Number of students: 450.

WILMINGTON COLLEGE

WILMINGTON, OHIO 45177

Telephone: 382-0951.

Founded 1870.

President: JAMES M. READ.
Registrar: R. SOLLARS.
Dean of Admissions: R. MCCOY.
Librarian: R. H. YOCKEY.

The library contains 45,000 volumes.
Number of teachers: 60.
Number of students: 875.

WITTENBERG UNIVERSITY

SPRINGFIELD, OHIO

Telephone: 324-5851.

Founded 1845.

President: JOHN N. STAUFFER, ED.D., LL.D.
Vice-President: W. E. RECK, LL.D., M.A.
Vice-President and Treasurer: R. C. MATTHIES, J.D.
Registrar: R. DONBAR, M.ED.
Librarian: R. L. MOWERY, M.A.

Number of teachers: 166 full-time, 102 part-time.

Number of students: 2,165 undergraduate, other divisions 3,023.

Publications: *The Wittenberg Bulletin, This is Wittenberg, The Wittenberg Alumnus.*

DEANS:

Wittenberg College: A. O. PFNISTER, PH.D.
Hamma School of Theology: J. W. RILLING, D.D. (President).
School of Community Education: A. E. PATMOS, M.A.

XAVIER UNIVERSITY

VICTORY PARKWAY, CINCINNATI 7, OHIO

Founded 1831.

President: PAUL L. O'CONNOR, S.J.
Vice-President: F. N. MILLER, S.J.
Chancellor: R. H. BASSMAN, S.J.
Secretary: J. J. O'CALLAGHAN, S.J.
Registrar: R. J. FELLINGER.
Librarian: A. J. WORST.

The library contains 111,357 volumes.
Number of teachers: 215.

Number of students: 4,004 men, 844 women, total 4,848.

Publications: *Xavier University News, Xavier Athenaeum* (quarterly), *The Musketeer Annual, The Alumni Newsletter, The Athletic Review.*

DEANS:

College of Liberal Arts, Evanston: J. J. O'CALLAGHAN, S.J.
College of Liberal Arts, Milford, Ohio: F. P. MANION.
Downtown College, Evening Division: R. T. DETERS.
Graduate Division: R. F. MCCOY.

THE YOUNGSTOWN UNIVERSITY

410 WICK AVENUE, YOUNGSTOWN, OHIO 44503

Telephone: 744-8451.

Founded 1908.

President: HOWARD W. JONES.
Registrar: P. P. BUCHANAN.

Librarian: G. H. G. JONES.

The library contains 140,000 volumes.
Number of teachers: 541.
Number of students: 10,000.

OKLAHOMA

EAST CENTRAL STATE COLLEGE

ADA, OKLAHOMA
Telephone: FEderal 2-8000.
Founded 1909.

President: CHARLES F. SPENCER.
Registrar: H. FAUST.
Librarian: C. DUFFER.

The library contains 68,000 volumes.
Number of teachers: 80.
Number of students: 2,660.

NORTHEASTERN STATE COLLEGE

TAHLEQUAH, OKLAHOMA 74464
Telephone: GLendale 6-2531.
Founded 1846.

President: Dr. HARRELL E. GARRISON.
Registrar: Dr. E. BATTLES.
Librarian: Dr. P. PARHAM.

The library contains 109,306 volumes.
Number of teachers: 127.
Number of students: 5,256.

NORTHWESTERN STATE COLLEGE

ALVA, OKLAHOMA 73717
Telephone: FA 7-1700.
Founded 1897.

President: Dr. J. W. MARTIN.
Registrar: Mrs. LILA G. GROSS.
Librarian: Miss FRANCES DUVALL.

The library contains 60,000 volumes.
Number of teachers: 62.
Number of students: 1,540.

OKLAHOMA BAPTIST UNIVERSITY

SHAWNEE, OKLAHOMA
Telephone: BR 3-2300.
Founded 1910.

President: JAMES R. SCALES.
Registrar: W. E. NEPTUNE.
Librarian: G. MAYS.

The library contains 78,000 volumes.
Number of teachers: 102.
Number of students: 1,354.

OKLAHOMA CITY UNIVERSITY

2501 NORTH BLACKWELDER,
OKLAHOMA CITY, OKLAHOMA
Telephone: JA 5-5461.
Founded 1904.

President: JOHN F. OLSON.
Registrar: H. C. GOLD.
Dean of Admissions: A. G. JAROS.
Librarian: FRANCES KENNEDY.

The library contains 100,000 volumes.
Number of teachers: 165.
Number of students: 2,600.

OKLAHOMA COLLEGE FOR WOMEN

CHICKASHA, OKLAHOMA
Founded 1908.
State-supported women's college.

President: CHARLES GRADY, B.S., M.B.A., ED.D.
Business Manager: J. D. SNEED, B.S., M.A.
Director of Public Relations: SARAH ELLIS, B.S.
Director of Admissions and Registrar: TRICE L. BROADRICK, B.S., M.ED.
Librarian: FRANCES BARNES, M.A., M.L.B.

The library contains 51,812 books.
Number of teachers: 51.
Number of students: 836 women.
Publication: *Trend.*

DEANS:

College: K. D. YOUNG, B.A., M.A., ED.D.
Fine Arts: R. B. LEWIS, B.MUS., PH.D. (Chairman).
Students: FONTELLA KIMBELL, B.S., M.S., ED.D.

OKLAHOMA STATE UNIVERSITY

STILLWATER, OKLAHOMA
Telephone: Frontier 2-6211.
Founded 1891.

President: OLIVER S. WILLHAM, M.S., PH.D.
Vice-President for Agricultural Sciences: O. B. ROSS, B.S., M.S., PH.D.
Vice-President in Charge of Academic Affairs: R. B. KAMM, M.A., PH.D.
Vice-President for Development: E. L. SWEARINGEN, B.S., M.S., PH.D.
Business Manager: J. L. SANDERSON, B.S.
Registrar: R. GIROD, M.S.
Librarian: E. LOW, B.S., M.A.

Number of teachers: 675, including 177 full professors.

Number of students: 9,534 men, 4,143 women, total 13,677.

DEANS:

Dean of Students: F. E. MCFARLAND, M.S., PH.D.
College of Education: H. E. SORENSON, B.E., PH.M., PH.D.
College of Resident Instruction for Agriculture: R. J. JONES, M.S., PH.D.
Dean of Graduate School: J. H. BOGGS, M.S., PH.D.
College of Veterinary Medicine: G. C. HOLM, D.V.M., B.S., M.S.
College of Home Economics: LELA O'TOOLE, B.S., M.A., PH.D.
College of Arts and Sciences: J. R. SCALES, PH.D.
College of Engineering: M. R. LOHMANN, M.S., PH.D.
Dean of Business: R. W. POOLE, B.S., M.B.A., PH.D.
Dean of University Extension: J. C. EVANS, M.S., PH.D.
Director of Continuing Education: J. C. FITZGERALD, B.S., M.S., ED.D.

Research Divisions:

- Engineering Research and Experiment Station: C. A. DUNN, M.S. IN C.E., PH.D. (Executive Director).
- Agricultural Experiment Station: L. E. HAWKINS, B.S., M.S., PH.D. (Director).
- Research Foundation: M. T. EDMISON, B.A., M.S., PH.D. (Director).

PANHANDLE AGRICULTURAL AND MECHANICAL COLLEGE

BOX 430, GOODWELL, OKLAHOMA
Telephone: Area Code 405, 2591.
Founded 1909.

President: MARVIN E. MCKEE.
Registrar: HELEN MULLER.
Librarian: D. RICHARDSON.

The library contains 32,000 volumes.
Number of teachers: 52.
Number of students: 1,100.

PHILLIPS UNIVERSITY

ENID, OKLAHOMA
Telephone: Ad 7-4433.

President: Dr. HALLIE G. GRANTZ.
Registrar: M. H. ZIEGLER.
Librarian: E. T. CURTIS.

Number of teachers: 80.
Number of students: 1,242.
Publications: *Haymaker* and *Phillipian.*

DEANS:

Seminary: J. D. JOYCE.
Bible: R. G. MARTIN.
Arts and Science: B. K. LEWIS.

SOUTHWESTERN STATE COLLEGE

WEATHERFORD,
OKLAHOMA 73096
Telephone: GE 2-3311.
Founded 1901.

President: AL HARRIS.
Registrar: Mrs. MILLIE THOMAS.
Librarian: Mrs. ANNE CRAMER.

The library contains 58,000 volumes.
Number of teachers: 125.
Number of students: 3,500.

UNIVERSITY OF OKLAHOMA

NORMAN, OKLAHOMA 73069
Telephone: JE 6-0900.
Telegraphic Address: Norman, Oklahoma.
Founded 1890; opened 1892.

President: GEORGE L. CROSS, PH.D.
Executive Vice-President: P. K. MCCARTER, PH.D.
Financial Vice-President and Business Manager: H. B. BROWN, PH.D.
Vice-President in Charge of Research and Development: L. E. SWEARINGEN, PH.D.
Secretary: E. R. KRAETTLI.
Business Manager: D. B. GIEZENTANNER, M.S.
Dean of Admissions and Registrar: J. E. FELLOWS, PH.D.

Librarian: A. M. McAnally, Ph.D.

Number of teachers: 975.
Number of students: 19,348.
Publications: *University of Oklahoma Bulletin, Books Abroad.*

Deans:

College of Arts and Sciences: J. S. Ezell, Ph.D.
College of Business Administration: H. B. Brown, Ph.D.
College of Education: J. G. Harlow, Ph.D.
College of Engineering: G. M. Nordby, Ph.D.
College of Fine Arts: F. D. Clark, M.A.
Graduate College: C. D. Riggs, Ph.D.
College of Law: E. O. Kuntz, LL.M.
School of Medicine: J. L. Dennis, M.D.
College of Pharmacy: L. E. Harris, Ph.D.
University College: G. C. Couch, Ph.D.
School of Nursing: Helen Patterson, Ph.D.
Extension Division: T. J. White, Ph.D.

UNIVERSITY OF TULSA
TULSA 4, OKLAHOMA
Telephone: 918-WE9-6351.

Founded as Henry Kendall College at Muskogee (Indian territory under control of Presbyterian Church) 1894; moved to Tulsa 1907; reorganised and name changed to University of Tulsa 1920; Charter revised, making the institution non-denominational and non-sectarian 1928.

President: Ben G. Henneke.
Registrar: G. V. Metzel.
Director of Admissions: C. E. Malone.
Librarian: Eugenia Maddox.

Number of teachers: 244.
Number of students: 5,432.

Deans:

Liberal Arts: D. E. Hayden.
Business Administration: M. M. Hargrove.
Evening Division: H. R. Jones (Director).
Education: E. F. Ferneau.
Fine Arts and Professional Studies: R. L. Briggs.
Graduate: W. V. Holloway.
Law: B. Peterson.
Engineering: E. T. Guerrero (acting).
Dean of Students: H. N. Carter.
Dean of Men: M. J. Sharp.
Dean of Women: Florence B. Stevenson.

OREGON

CASCADE COLLEGE
705 N. KILLINGSWORTH STREET,
PORTLAND, OREGON 97217
Telephone: 285-9121.
Founded 1918.

President: Thomas A. Leupp.
Dean of Admissions and Records: R. D. Bennett.
Librarian: Lois Tish.

The library contains 24,868 volumes.
Number of teachers: 34.
Number of students: 418.

EASTERN OREGON COLLEGE
LA GRANDE, OREGON
Telephone: 963-2171.
Founded 1929.

President: Averno M. Rempel.
Registrar: L. H. Johnson.
Librarian: P. W. Kelly.

The library contains 54,000 volumes.
Number of teachers: 90.
Number of students: 1,315 (approx.).

GEORGE FOX COLLEGE
NEWBERG, OREGON 97132
Telephone: 538-2101.
Founded 1891.

President: Milo C. Ross.
Registrar: W. N. Kent.
Director of Admissions: E. Craven.
Librarian: Miss Genette McNichols.

The library contains 24,000 volumes.
Number of teachers: 42.
Number of students: 358.

LEWIS AND CLARK COLLEGE
PORTLAND, OREGON
Founded 1867.

President: Dr. John R. Howard.
Registrar: W. Norris.
Comptroller: C. Haldors.
Dean of Instruction: Dr. L. Thayer.
Dean of Students: Dr. Hester Turner.
Librarian: Dr. L. Tomlinson.

The library contains 52,000 volumes.
Number of teachers: 70, including 23 professors.
Number of students: 572 men, 515 women, total 1,087.
Publication: *Journal.*

LINFIELD COLLEGE
McMINNVILLE, OREGON 97129
Telephone: Area Code 503, 472-5215.
Founded 1849.

President: Dr. Harry L. Dillin.
Registrar: Dr. R. Peck.
Librarian: Mrs. Martha Ezell.

The library contains 54,000 volumes (approx.).
Number of teachers: 71.
Number of students: 1,102.

MARYLHURST, COLLEGE
MARYLHURST, OREGON 97036
Telephone: 636-8141.
Founded 1893.

President: Sister Anselm Mary, S.N.J.M.
Registrar: Sister Adele Maureen, S.N.J.M.
Librarian: Sister M. Imeldine.

The library contains 57,000 volumes.
Number of teachers: 70.
Number of students: 742.

MOUNT ANGEL COLLEGE
MOUNT ANGEL, OREGON
Telephone: 845-2234.
Founded 1887.

President: Sister M. Alberta Dieker, O.S.B.
Dean of Admissions: D. Delzer.
Librarian: Sister M. Josephine Schultz, O.S.B.

The library contains 21,000 volumes.
Number of teachers: 41.
Number of students: 350.

MOUNT ANGEL SEMINARY
SAINT BENEDICT, OREGON 97373
Telephone: Area Code 503, 845-2221.
Founded 1889.

President: Rt. Rev. Damian Jentges, S.T.D.
Registrar: Rev. D. Hasenoehrl, O.S.B.
Librarian: Rev. B. Reasoner, O.S.B.

The library contains 40,000 volumes.
Number of teachers: 52.
Number of students: 289.

MUSEUM ART SCHOOL
S.W. PARK AND MADISON,
PORTLAND, OREGON 97205
Telephone: 226-4391.
Founded 1908.

Dean: William H. Givler.
Registrar: Jane K. Chase.
Librarian: R. Pierce.

The library contains 4,000 volumes.
Number of teachers: 24.
Number of students: 520.

NORTHWEST CHRISTIAN COLLEGE
ELEVENTH AND ALDER STREET,
EUGENE, OREGON 97401
Telephone: Area Code 503, 343-1641.
Founded 1895.

President: Barton A. Dowdy.
Registrar: J. W. Boosinger.
Librarian: R. D. Gault.

The library contains 28,000 volumes.
Number of teachers: 24.
Number of students: 514.

OREGON STATE UNIVERSITY
CORVALLIS, OREGON
Telephone: Plaza 752-4211.
Established 1868.

President: James H. Jensen, M.A., Ph.D.
Dean of Administration: M. Popovich, M.S.
Dean of Faculty: E. N. Castle, Ph.D.
Dean of Students: R. E. Chick, Ed.D.
Dean of Men: D. W. Poling, Ed.D.
Dean of Women: Helen S. Moor, M.A.
Registrar: W. E. Gibbs, Ed.M.
Business Manager: G. M. Robertson, M.S.
Librarian: R. K. Waldron, M.A.

Curator: LULA M. STEPHENSON.

The library contains 489,631 volumes.
Number of teachers: 770.
Number of students: 7,065 men, 3,468 women, total 10,533.

DEANS:

Graduate School: H. P. HANSEN, PH.D.
School of Humanities and Social Science: G. W. GILKEY, M.F.A.
School of Science: D. B. NICODEMUS, PH.D. (acting).
School of Agriculture: W. T. COONEY, M.S. (acting).
School of Business and Technology: C. E. MASER, PH.D.
School of Education: F. R. ZERAN, PH.D.
School of Engineering: G. W. GLEESON, CH.E.
School of Forestry: W. F. MCCULLOCH, ED.D.
School of Home Economics: BETTY E. HAWTHORNE, PH.D.
School of Pharmacy: C. O. WILSON, PH.D.

PACIFIC UNIVERSITY

COLLEGE WAY,
FOREST GROVE, OREGON 97161
Telephone: ELgin 7-3136.
Founded 1849.

President: M. A. F. RITCHIE.
Registrar: Mrs. GLORIA WULF.
Dean of Admissions: G. E. REESE.
Librarian: H. R. GIBSON.

The library contains 68,000 volumes.
Number of teachers: 73 full-time, 14 part-time.
Number of students: 1,001.

PORTLAND STATE COLLEGE

P.O. BOX 751,
PORTLAND, OREGON 97207
Telephone: 226-7271.
Founded 1955.

President: Dr. BRANFORD P. MILLAR.
Registrar: B. BAUMGARTNER.
Librarian: Dr. JEAN P. BLACK.

The library contains 143,768 volumes.
Number of teachers: 498.
Number of students: 8,300 (approx.).

REED COLLEGE

PORTLAND, OREGON 97202
Founded 1909.

President: R. H. SULLIVAN.
Vice-President: R. T. FROST.
Controller: GWEN L. TAYLOR.
Registrar: ELLEN K. JOHNSON.
Director of Alumni Office: FLORENCE W. LEHMAN.
Librarian: LUELLA R. POLLOCK.

The library contains 168,000 volumes.
Number of teachers: 124.
Number of students (1964–65): 596 men, 422 women, total 1,018.

Deans of Students: ANN W. SHEPARD, J. A. DUDMAN.
Director of Admissions: S. WEBER.

SOUTHERN OREGON COLLEGE

1250 SISKIYOU BOULEVARD,
ASHLAND, OREGON 97520
Telephone: 482-3311.
Founded 1926.

President: ELMO N. STEVENSON.
Registrar: W. HOOD.
Librarian: E. CARROLL.

The library contains 75,000 volumes.
Number of teachers: 182.
Number of students: 3,000.

UNIVERSITY OF OREGON

EUGENE AND PORTLAND,
OREGON
Telephone: 342-1411.
Established 1872; opened 1876.

President: ARTHUR S. FLEMMING, LL.D.
Dean of Administration: W. C. JONES, PH.D.
Dean of Students: D. M. DU SHANE, M.A.
Dean of Faculties: R. D. CLARK, PH.D.
Registrar: C. L. CONSTANCE, M.A.
Director of Fiscal Affairs: J. O. LINDSTROM, B.S.
Librarian: C. W. HINTZ, PH.D.

The libraries contain 944,139 volumes.
Number of teachers (Eugene Campus only, 1963–64): 832 men, 150 women, total 982.
Number of students (Eugene Campus only, 1963–64): 8,175 men, 5,696 women, total 13,871.
Publications: *University of Oregon Bulletin* (9 issues per year), *University of Oregon Books and Monographs*, *Comparative Literature* (quarterly), *Oregon Law Review* (quarterly), *Oregon Business Review* (monthly), *Call Number* (twice-yearly), *Curriculum Bulletin* (10 issues yearly), *Physical Education Microcards*, *Municipal Research Bulletins*.

DEANS:

Graduate School: H. ALPERT, PH.D.
College of Liberal Arts: C. E. JOHNSON, PH.D.
School of Architecture and Allied Arts: W. L. CREESE, PH.D.
School of Business Administration: R. W. LINDHOLM, PH.D.
Dental School: H. J. NOYES, D.D.S., M.D.
School of Education: P. B. JACOBSON, PH.D.
School of Health, Physical Education and Recreation: A. A. ESSLINGER, PH.D.
School of Journalism: J. L. HULTENG, M.S.
School of Law: O. J. HOLLIS, B.S., J.D.
Medical School: D. W. E. BAIRD, M.D., LL.D.
School of Music: R. M. TROTTER, PH.D.
School of Nursing: JEAN E. BOYLE, M.S., R.N.
Honors College: L. C. MARQUIS (Director).

PROFESSORS:

ABERLE, D. F., PH.D., Anthropology
ALY, B., PH.D., Speech
ANDREWS, G. F., B.S., N.C.A.R.B., Architecture
ATTNEAVE, F., III, PH.D., Psychology
AUSTIN, G. M., M.D., Neurosurgery
AVERY, C. E., M.A., Education
BALDINGER, W. S., PH.D., Art
BALDWIN, E. M., PH.D., Geology
BALLAINE, W. C., PH.D., Business Economics
BARNETT, H. G., PH.D., Anthropology
BEALL, C. B., PH.D., Romance Languages
BENDER, E. T., D.D.S., Dentistry
BENSON, R. C., M.D., Obstetrics and Gynæcology
BERREMAN, J. V., PH.D., Sociology
BLACK, F. G., PH.D., English
BOEKELHEIDE, V. C., PH.D., Chemistry
BOWERMAN, W. J., M.S., Physical Education
BREEN, Q., PH.D., History
BROOKHART, J. M., PH.D., Physiology
CANTWELL, K. A., D.M.D., Dentistry
CASANOVA, L. J., PH.D., Physical Education
CASTELL, A., PH.D., Philosophy
CH'EN, S.-Y., PH.D., Physics
CIVIN, P., PH.D., Mathematics
CLANCY, C. W., PH.D., Biology
CLARKE, H. H., ED.D., Physical Education
CLAYCOMB, C. K., PH.D., Biochemistry
COMBELLACK, F. M., PH.D., Greek Literature
CRANE, J. T., M.D., Pathology
CURTIS, C. W., PH.D., Mathematics
CUTHBERT, F. A., M.L.D., Landscape Architecture and Urban Planning
CYKLER, E., PH.D., Music
DAVID, N. A., M.D., Pharmacology
DAVIES, J. C., PH.D., Political Science
DAVIS, R. M., PH.D., Economics
DE WEESE, D. D., M.D., Oto-Laryngology
DICKEN, S. N., PH.D., Geography
DOTTER, C. T., M.D., Radiology
DOUGHERTY, D. M., PH.D., Romance Languages
DOUGHERTY, M. FRANCES, PH.D., Physical Education
DUBIN, R., PH.D., Sociology
DULL, P. S., PH.D., History
DUNPHY, J. E., M.D., Surgery
EBBIGHAUSEN, E. G., PH.D., Physics
EDWARDS, C. D., PH.D., Economics
ELLICKSON, R. T., PH.D., Physics
ELWELL, L. H., PH.D., Physiology
FERENS, R. R., M.ARCH., Architecture
FIXMAN, M., PH.D., Chemistry
FIXOTT, H. C., D.M.D., Dentistry
FOSKETT, J. M., PH.D., Sociology
FOSSUM, E. A., B.A., Military Science
FRISCH, A. W., PH.D., M.D., Bacteriology
FRY, A. E., D.D.S., Dentistry
GANGE, J. F., Political Science
GHENT, K. S., PH.D., Mathematics
GOLDHAMMER, K., PH.D., Education
GRAHAM, GRACE, ED.D., Education
GREENE, M. R., PH.D., Insurance
GREER, M. A., M.D., Medicine
GRISWOLD, H. E., Jr., M.D., Medicine
GRUPE, H. E., D.D.S., Dentistry
HAAR, F. B., PH.D., Health Education
HADJIMARKOS, D. M., D.D.S., Dentistry
HALL, J. B., PH.D., English
HANNAFORD, F. T., B.A., REG.ARCHT., Architecture
HARRIS, L. A., M.A., Physical Education
HAUGEN, F. P., M.D., Anæsthesiology
HAYDEN, W. S., B.ARCH., REG.ARCHT., Architecture
HEARN, A. C., ED.D., Education
HILL, T. L., PH.D., Chemistry
HINES, C., D.ED., Education
HIXON, E. H., D.D.S., Dentistry
HODGES, C. V., M.D., Urology
HOLMAN, C. N., M.D., Medicine
HOPKINS, G., B.A., Piano

HORN, R. D., PH.D., English
HOYLE, G., D.SC., Biology
HUTCHENS, TYRA T., M.D., Clinical Pathology
JACKSON, J. M., PH.D., Sociology
JESSUP, B. E., PH.D., Philosophy
JETTE, G. S., B.L.A., Architecture
JOHNSON, C. E., PH.D., C.P.A., Accounting
JOHNSON, C. L., PH.D., Romance Languages
JUMP, E. B., D.M.D., PH.D., Anatomy
KAGAN, SIOMA, PH.D., International Business
KAMBLY, P. E., PH.D., Education
KIRSCH, D. H., B.S., Physical Education
KITZHABER, A. R., PH.D., English
KLEINSORGE, P. L., PH.D., Economics
KLEMM, LER. H., PH.D., Chemistry
KOCHER, J. W., M.CRIM., Air Science
LABBY, D. H., M.D., Medicine
LACY, F. R., J.D., LL.M., Law
LEEPER, R. W., PH.D., Psychology
LEPPMANN, W. A., PH.D., Germanic Languages
LEWIS, H. P., M.D., Medicine
LITTMAN, R. A., PH.D., Psychology
LOBITZ, W. C., Jr., M.D., Dermatology
LORWIN, V. R., PH.D., History
LOWE, R. N., ED.D., Education
LU, K. H., PH.D., Biostatistics
MCCLOSKEY, J. C., PH.D., English
MCCOSH, D. J., Art
MCNEIR, W. F., PH.D., English
MAHLER, D. B., PH.D., Dental Materials
MARTIN, W. T., PH.D., Sociology
MATARAZZO, J. D., PH.D., Medical Psychology
MIKESELL, R. F., PH.D., Economics
MILLER, MARIAN H., M.D., Health Education
MINER, J. B., PH.D., Management
MOLL, E. G., A.M., English
MOORE, C., PH.D., English
MOORHEAD, JENNELLE V., M.S., Health Education
MOURSUND, A. F., PH.D., Mathematics
NIVEN, I. M., PH.D., Mathematics
NOVICK, A., PH.D., Biology
NOVITSKI, E., PH.D., Biology
NOYES, R. M., PH.D., Chemistry
NYE, R. E., PH.D., Music Education
OLMSTED, R. W., M.D., Pædiatrics
OSGOOD, E. E., M.D., Medicine
PEARSON, A. A., PH.D., Anatomy
PELLEGRIN, R. J., PH.D., Sociology
PHATAK, N. M., PH.D., Pharmacology
POLEY, MARGARET S., PH.D., Physical Education
POMEROY, E., PH.D., History
PORTER, D. R., D.D.S., Dentistry
PORTER, K. W., PH.D., History
POWELL, J. L., PH.D., Physics
PRICE, E. T., PH.D., Geography
PRICE, W. C., M.A., Journalism
REED, E. W., PH.D., Finance
REITHEL, F. J., PH.D., Chemistry
RHODA, W. P., D.ED., Physical Education
RICKELS, H. N., D.D.S., Dentistry
RISLEY, P. L., PH.D., Biology
ROBERT, W. J., LL.M., Law
ROBINSON, H. W., M.A., Speech
ROBINSON, W. S., PH.D., Sociology
RODNEY, L. S., PH.D., Recreation Management
ROMNEY, M. C., PH.D., Education
ROSS, M. D., M.ARCH., REG.ARCHT., Architecture
RUMMEL, J. F., PH.D., Education
SANDIN, A. A., PH.D., Education
SASLOW, G., PH.D., M.D., Psychiatry
SAVARA, B. S., D.M.D., Dentistry
SCHEER, B. T., PH.D., Biology
SCHELLMAN, J. A., PH.D., Chemistry
SCHLEICHER, C. P., PH.D., Political Science
SHANAHAN, W. O., PH.D., History
SHAPIRO, V. L., PH.D., Mathematics
SHERWOOOD, J. C., PH.D., English
SIGERSTETH, P. O., D.ED., PH.D., Physical Education
SIMPSON, P. B., PH.D., Economics
SNYDER, M. L., PH.D., Bacteriology
SODERWALL, A. L., PH.D., Biology
SPAULDING, A. C., PH.D., Anthropology
SPRAGUE, V. S., PH.D., Physical Education
STAHL, F. W., PH.D., Biology
STAPLES, L. W., PH.D., Geology
STARLIN, D. G., PH.D., Speech
STEPHENSON, W. H., PH.D., LITT.D., LL.D., History
STERN, T., PH.D., Anthropology
STOUT, C. J., D.M.D., Dentistry
SUNDBERG, N. D., PH.D., Psychology
SUSKIND, R. R., M.D., Environmental Medicine and Dermatology
SVENDSEN, K., PH.D., English
SWAN, K. C., M.D., Ophthalmology
SWANK, R. L., M.D., PH.D., Medicine
SWINEHART, D. F., PH.D., Chemistry
TERKLA, L. G., D.M.D., Dentistry
TOPE, D. E., PH.D., Education
TYLER, LEONA E., PH.D., Psychology
VAGNER, R. S., M.A., M.MUS., Music
VANCE, S. C., PH.D., Business Administration
VAN ZILE, W. N., D.D.S., Dentistry
VINCENT, A. M., Art
WALES, M., M.A., Journalism
WANNIER, G. H., PH.D., Physics
WASHKE, P. R., PH.D., Physical Education
WATTLES, M. D., PH.D., Economics
WEBER, V. M., D.D.S., Dentistry
WEGELIN, C. A., PH.D., English
WEINZIRL, A., M.D., Public Health and Preventive Medicine
WENGERT, E. S., PH.D., Political Science
WEST, E. S., PH.D., Biochemistry
WILKINSON, J., Art
WILSON, W. H., D.D.S., Dentistry
WOOD, H. B., ED.D., Education
WOOD, K. S., PH.D., Speech
WOOD, MABEL A., M.S., Home Economics
WOODRUFF, JANET G., M.A., Physical Education
YOOD, B., PH.D., Mathematics
YOUNGQUIST, W. L., PH.D., Geology

UNIVERSITY OF PORTLAND

5000N WILLAMETTE BLVD.,
PORTLAND 3, OREGON 97203
Telephone: 289-5541.
Founded 1901.

President: PAUL E. WALDSCHMIDT, C.S.C.
Executive Vice-President: J. L. POWERS, C.S.C.
Financial Vice-President: J. A. KEHOE, C.S.C.
Controller: A. B. PETERSCHMIDT.
Academic Vice-President: M. G. O'BRIEN.
Librarian: Bro. D. MARTIN, C.S.C.

The library contains 120,000 volumes.
Number of teachers: 158, including 22 full professors.
Number of students: 1,852.
Publications: *The Bulletin, The Log, The Beacon, The Preface, The Review.*

DEANS:

Graduate School: W. A. BOTZUM, C.S.C.
College of Liberal Arts: C. A. HARRIS, C.S.C.
College of Business Administration: A. A. SCHULTE.
College of Science: J. G. ANDERSON, C.S.C.
College of Nursing: Miss VERNIA J. HUFFMAN.
School of Music: P. R. DELAMARE.
School of Engineering: T. L. KILLIAN.
School of Teaching Arts: E. A. HAYES.

WARNER PACIFIC COLLEGE

2219 S.E. 68TH AVENUE,
PORTLAND, OREGON 97215
Telephone: 775-4368.
Founded 1937.

President: LOUIS F. GOUGH.
Registrar: B. H. HEERLEIN.
Director of Admissions: P. BRUZZESE.
Librarian: RUTH GREEN.

The library contains 30,000 volumes.
Number of teachers: 27.
Number of students: 300.

WILLAMETTE UNIVERSITY

SALEM, OREGON 97301
Telephone: 581-1641.

President: G. HERBERT SMITH.
Registrar: R. A. YOCOM.
Librarian: G. W. STANBERRY, II.

Number of teachers: 100.
Number of students: 1,457.
Publications: *Willamette University Bulletin, Willamette Alumnus, Willamette College of Law Journal.*

DEANS:

College of Liberal Arts: R. D. GREGG.
College of Law: S. P. REESE.
College of Music: C. L. BESTOR.

PENNSYLVANIA

ACADEMY OF THE NEW CHURCH

HUNTINGDON PIKE,
BRYN ATHYN, PENNSYLVANIA
Telephone: Area Code 215,
WIlson 7-3368.
Chartered 1877.

President: Rt. Rev. WILLARD D. PENDLETON.
Dean of Admissions: Dr. L. A. PENDLETON.
Librarian: Miss LOIS E. STEBBING.

The library contains 67,000 volumes.
Number of teachers: 20.
Number of students: 99.

ALBRIGHT COLLEGE

READING, PENNSYLVANIA 19604
Telephone: Area Code 215, 374-2226.
Founded 1856.

President: Dr. ARTHUR L. SCHULTZ.
Director of Admissions: Dr. S. B. SHIRK.
Librarian: Dr. JOSEPHINE RAEPPEL.

The library contains 85,000 volumes.
Number of teachers: 80.
Number of students: 1,000.

ALLEGHENY COLLEGE

MEADVILLE, PENNSYLVANIA

Founded 1815.

President: LAWRENCE L. PELLETIER, PH.D.
Treasurer: A. B. EDWARDS, A.M., PH.D.
Business Manager: R. M. MADDY, A.M.
Registrar: LEILA W. PARSONS, A.B.
Secretary: F. H. STEEN, A.M., PH.D.
Librarian: P. M. BENJAMIN, A.M.

The library contains 165,000 volumes.
Number of teachers: 104, including 26 professors.
Number of students: 810 men, 610 women, total 1,420.
Publications: *Campus, Bulletin, Kaldron.*

DEANS:

Instruction: J. L. ROSS, A.M., PH.D.
Students: J. R. O. MCKEAN, M.ED., D.ED.
Associate Students: RUTH W. KNIGHTS, A.B.

ALLIANCE COLLEGE

CAMBRIDGE SPRINGS, PENNSYLVANIA 16403

Telephone: 814-398-4611.

Founded 1912.

President: Dr. HENRY J. PARCINSKI.
Registrar: R. T. MILLER.
Librarian: J. A. MACIK.

The library contains 50,000 volumes.
Number of teachers: 41.
Number of students: 440.

BEAVER COLLEGE

GLENSIDE, PENNSYLVANIA

Founded 1853.

President: EDWARD D. GATES, PH.D.
Registrar: RUTH S. LINDEMANN, A.B.
Director of Admissions: MARJORIE DARLING, B.S. IN ED.
Comptroller: T. BARLOW, B.S.
Librarian: ELIZABETH L. HAMMOND, M.S. IN ED.

The library contains 44,765 volumes (approx.).
Number of teachers: 65, including 15 professors.
Number of students: 707 women.
Publications: *The Catalog, View Book, Beaver Bulletins, Alumnae Journal.*

DEANS:

College: MARGARET F. LECLAIR, PH.D.
Students: FLORENCE B. PLUMMER, M.A.

BLOOMSBURG STATE COLLEGE

BLOOMSBURG, PENNSYLVANIA 17815

Telephone: 717—784-4660.

Founded 1839.

President: HARVEY A. ANDRUSS.
Registrar: R. L. BUNGE.
Librarian: ELINOR KEEFER.

The library contains 100,000 volumes.
Number of teachers: 170.
Number of students: 2,910.

BRYN MAWR COLLEGE

BRYN MAWR, PENNSYLVANIA

Incorporated 1885.

President: KATHARINE E. MCBRIDE, PH.D., LL.D., L.H.D., SC.D.
Comptroller: P. W. KLUG, C.P.A., B.S.
Librarian: JANET M. AGNEW, M.A.
Recorder: CYNTHIA S. PLATT, A.B.

The library contains 360,000 volumes.
Number of students (1964–65): 691 undergraduates (women only), 337 postgraduates (men and women), total 1,028.

DEANS:

Dean of Graduate School: ELEANOR A. BLISS, SC.D.
Dean of the College: DOROTHY N. MARSHALL, PH.D.
Director of Admissions: ELIZABETH VERMEY, M.A.

BUCKNELL UNIVERSITY

LEWISBURG, PENNSYLVANIA 17837

Telephone: 717, Local No. 523-1271.

Founded 1846.

President: Dr. CHARLES H. WATTS, II.
Vice-President for Academic Affairs: Dr. M. C. EBERSOLE.
Vice-President for Business and Finance: J. F. ZELLER.
Vice-President for Planning and Development: Dr. S. GOW.
Librarian: W. R. ESHELMAN.

The library contains 223,000 volumes.
Number of teachers: 173 full-time, 14 part-time, 48 professors.
Number of students (full-time, 1964–65): 1,611 men, 826 women, total 2,437.
Publications: *Bucknellian, L'Agenda, Handbook, Temper and Times, Bucknell Engineer, Bucknell Review.*

DEANS:

College of Arts and Sciences: Dr. L. PACALA.
College of Business Administration: Dr. R. A. HEADLEY.
College of Engineering: Capt. H. F. ECKBERG.
Student Affairs: J. C. HAYWARD.
Men: C. A. MEYN.
Women: MARY J. STEVENSON.

CALIFORNIA STATE COLLEGE

THIRD AND COLLEGE AVENUES, CALIFORNIA, PENNSYLVANIA

Telephone: 938-2281.

Founded 1852.

President: Dr. MICHAEL DUDA.
Registrar: Dr. H. E. KEMPER.
Librarian: Miss VIRGINIA E. LUCKHARDT.

The library contains 74,000 volumes.
Number of teachers: 216.
Number of students: 4,000.

CARNEGIE INSTITUTE OF TECHNOLOGY

SCHENLEY PARK, PITTSBURGH, PENNSYLVANIA 15213

Telephone: 621-2600-412.

Founded 1900.

President: H. GUYFORD STEVER, A.B., PH.D.
Vice-President for Development: H. R. BINTZER, M.S.
Vice-President for Academic Affairs: E. R. SCHATZ, M.S., D.SC.
Vice-President for Business Affairs: R. D. STRATHMEYER, B.S.
Vice-President for Research and Dean of Graduate Studies: C. L. MCCABE, D.SC.
Librarian: K. H. FAGERHAUGH, A.B., A.B.L.S.

The library contains 200,000 volumes.
Number of teachers: 375.
Number of students: 2,685 men, 949 women, total 3,634.

DEANS, ETC.:

Rachel McMasters Miller Hunt Botanical Library: G. H. M. LAWRENCE, M.S., PH.D. (Director).
College of Engineering and Science: B. R. TEARE, Jr., M.S., D.ENG.
Division of Humanities and Social Sciences: J. R. COLEMAN, M.A., PH.D.
Evening Classes: K. R. BURCHARD, A.B. (Director).
Summer Session: K. R. BURCHARD, A.B. (Director).
Margaret Morrison Carnegie College: E. STEINBERG, PH.D.
College of Fine Arts: N. L. RICE, B.A.
Graduate School of Industrial Administration: R. M. CYERT, PH.D.
Dean of Men: E. R. SWANK, M.A.
Dean of Women: VIRGINIA B. MILLIGAN, A.B., M.R.E.
Division of Student Affairs: G. K. BROWN, PH.D.
Department of Public Relations: D. BEAL, M.A., PH.D. (Director).

FULL PROFESSORS:

College of Engineering and Science:
ASKHIN, J., PH.D., Physics
AU TUNG, M.S., PH.D., Civil Engineering
BARANGER, P., PH.D., Engineering Physics
CARLIN, R. B., PH.D., Chemistry
CONLEY, P., SC.M., PH.D., Engineering
CUTKOSKY, R. E., M.S., PH.D., Physics
DE BENEDETTI, S., D.SC., Physics
DERGE, G. J., M.A., PH.D., Metallurgical Engineering
DUFFIN, R. J., PH.D., Mathematics
FLINN, P. A., SC.D., Physics and Metallurgical Engineering
FORSTALL, W., Jr., M.E., M.S., SC.D., Mechanical Engineering
FOX, J. G., M.S., PH.D., Physics
FINZI, L. A., M.E.E., D.ING., Electrical Engineering
FRIEDBERG, S. A., M.S., D.SC., Physics
FUGASSI, J. P., M.S., PH.D., Chemistry
HEPLER, L. G., PH.D., Chemistry
KOHMAN, T. P., PH.D., Chemistry
KOLODNER, I. I., PH.D., Mathematics
LI KUN, D.SC., Chemical Engineering
LONGINI, R. L., M.S., PH.D., Solid State Electronics

McCabe, C. L., D.SC., Metallurgical Engineering
MacCamy, R. C., PH.D., Mathematics
McKinney, D. S., M.S., D.SC. Chemistry
Milnes, A. G., M.SC., D.SC., Electrical Engineering
Monrad, C. C., M.S., PH.D., Chemical Engineering
Moskovitz, D., M.S., PH.D., Mathematics
Mullins, W. W., M.S., PH.D., Metallurgical Engineering
Nehari, Z., M.SC., PH.D., Mathematics
Newell, A., PH.D., Systems and Communication Sciences
Noll, W., PH.D., Mathematics
Osterle, J. F., D.SC., Mechanical Engineering
Paxton, H. W., M.SC., PH.D., Metallurgical Engineering
Penney, G. W., M.S., Electrical Engineering
Perlis, A. J., M.S., PH.D., Mathematics
Philbrook, W. O., B.S., Metallurgical Engineering
Pople, J. A., M.A., PH.D., Chemical Physics
Pound, G. M., M.S., PH.D., Metallurgical Engineering
Rayne, J. A., PH.D., Physics
Romualdi, J. P., PH.D., Civil Engineering
Rothfus, R. R., M.S., D.SC., Chemical Engineering
Rouleau, W. T., M.S., PH.D., Mechanical Engineering
Schatz, E. R., M.S., D.SC., Electrical Engineering
Shaw, M. C., M.S., PH.D., Mechanical Engineering
Shewmon, P. G., PH.D., Metallurgical Engineering
Southwick, P. L., M.A., PH.D., Chemistry
Stelson, T. E., M.S., D.SC., Civil Engineering
Sutton, R. B., M.A., PH.D., Physics
Teare, B. R., Jr., M.S., D.ENG., Electrical Engineering
Toor, H. L., M.S., PH.D., Chemical Engineering
Weinstein, A. S., M.S., PH.D., Mechanical Engineering
Williams, E. M., PH.D., Electrical Engineering
Wolfenstein, L., M.S., PH.D., Physics
Wolken, J. J., M.S., PH.D., Biophysics
Wyler, O., D.SC., Mathematics

College of Fine Arts:
Benn, O. A., M.F.A., Music Education
Boettcher, H. F., M.A., PH.D., M.F.A., Drama
Calcagno, L., Andrew Mellon Professor in Painting
Carra, L., M.F.A., Drama
Dorian, F., PH.D., Music
Harth, S., B.M., Music
Lepper, R. L., B.A., Design
Lewis, D., DIPL.ARCH., Architecture
Lopatnikoff, N., DIP.ING., Music Composition
Parker, W. O., M.F.A., Drama
Pekruhn, J. L., B.ARCH., Architecture
Rice, N. L., B.A., Painting
Robertson, J., M. OF ARCH., Architecture
Rosenberg, J. L., M.A., PH.D., Drama
Schweikher, P., M.F.A., M.A. (HON.), Architecture
Skinner, Edith W., M.A., Voice and Speech
Taylor, R. W., M.F.A., Architecture

Division of Humanities and Social Sciences:
Bach, G. L., PH.D., LL.D., Economics
Bartlett, L., M.A., PH.D., History
Bronfenbrenner, M., PH.D., Economics
Coleman, J. R., M.A., PH.D., Economics
Cooper, W. W., A.B., Economics
Cyert, R. M., PH.D., Economics
Fenton, E., M.A., PH.D., History
Genschmer, F., M.A., PH.D., Language
Gilmer B. von H., M.S., PH.D., Psychology and Education
Green, B. F., Jr., M.A., PH.D., Psychology
Gregg, L. W., M.S., PH.D., Psychology and Education
Joseph, M. L., PH.D., Economics and Industrial Administration
Karn, H. W., M.A., PH.D., Psychology and Education
Leavitt, H. J., M.S., PH.D., Economics
Meltzer, A. H., PH.D., Economics and Industrial Administration
Moyer, K. E., M.A., PH.D., Psychology and Education
Schmitt, Gladys, A.B., English
Sochatoff, A. F., PH.D., English
Steinberg, E. R., M.S., PH.D., English
Wright, A., A.M., PH.D., English

Margaret Morrison Carnegie College:
Bakkie, Melva B., M.S., Home Economics
Labarthe, J., PH.D., Textiles
Myers, Doris E., A.M., Home Economics

Graduate School of Industrial Administration:
Ansoff, H. I., M.E., M.S., PH.D., Industrial Administration
Bach, G. L., PH.D., LL.D., Economics
Bronfenbrenner, M., PH.D., Economics
Coleman, J. R., M.A., PH.D., Economics
Cooper, W. W., A.B., Economics
Cyert, R. M., PH.D., Economics and Industrial Administration
Dill, W. R., PH.D., Industrial Administration
Leavitt, H. J., M.S., PH.D., Industrial Administration and Psychology
Newell, A., PH.D., Systems and Communication Sciences
Simon, H. A., PH.D., Administration and Psychology
Thompson, G. L., PH.D., Applied Mathematics and Industrial Administration

CEDAR CREST COLLEGE

ALLENTOWN, PENNSYLVANIA 18104

Telephone: 215-434-6191.

Founded 1867.

President: Dale H. Moore.
Dean of Admissions: Mary R. McWilliams.
Librarian: D. D. Dennis.

The library contains 42,000 volumes.
Number of teachers: 43.
Number of students: 580.

CHATHAM COLLEGE

PITTSBURGH, PENNSYLVANIA 15232

Telephone: 412-441-8200.

Founded 1869.

President: Edward D. Eddy.
Director of Admissions: Miss Peggy Donaldson.
Librarian: B. Richards.

The library contains 63,000 volumes.
Number of teachers: 55.
Number of students: 625.

CHESTNUT HILL COLLEGE

PHILADELPHIA, PENNSYLVANIA 19118

Telephone: 215-247-4210.

Founded 1871.

President: Sister Catharine Frances.
Registrar: Sister M. Clare Joseph.
Librarian: Sister M. Anne Xavier.

The library contains 70,000 volumes.
Number of teachers: 70.
Number of students: 620.

CHEYNEY STATE COLLEGE

CHEYNEY, PENNSYLVANIA 19319

Telephone: 399-0990.

Founded 1837.

President: Dr. James H. Duckrey.
Director of Admissions: W. H. Burton.
Librarian: Mrs. Marguerite Prioleau.

The library contains 50,000 volumes.
Number of teachers: 92.
Number of students: 1,250 (approx.).

CLARION STATE COLLEGE

CLARION, PENNSYLVANIA 16214

Telephone: 814-226-6000.

Founded 1866.

President: Dr. James Gemmell.
Dean of Admissions: W. Hart.
Librarian: D. Graves.

The library contains 70,000 volumes.
Number of teachers: 175.
Number of students: 2,800.

DELAWARE VALLEY COLLEGE OF SCIENCE AND AGRICULTURE

DOYLESTOWN, PENNSYLVANIA

Telephone: 215-345-1500.

Founded 1896.

President: Dr. James Work.
Registrar: R. G. Warga.
Librarian: Miss Carolyn Milheim.

The library contains 22,506 volumes.
Number of teachers: 54.
Number of students: 910.

DICKINSON COLLEGE

CARLISLE, PENNSYLVANIA

Founded 1773.

President: Howard L. Rubendall, L.H.D.
Treasurer: G. Shuman, Jr., LL.D.
Registrar: W. H. Benson, B.S.
Librarian: C. C. Sellers, M.A., LITT.D.

Number of teachers: 95, including 82 professors.

Number of students: 798 men, 420 women, total 1,218.

Publications: *Catalogue, The Dickinson Alumnus.*

DEANS:

Men: N. R. Pease, M.A.
Women: Barbara S. Wishmeyer, M.S.
Freshman Class: D. R. Jefferson, B.D.

DREXEL INSTITUTE OF TECHNOLOGY

32ND AND CHESTNUT STREETS, PHILADELPHIA 4, PENNSYLVANIA

Founded 1891.

President: WILLIAM W. HAGERTY, M.S., PH.D., SC.D.
Registrar: J. W. NEAL, Jr., B.S. IN M.E.
Librarian: J. F. HARVEY, PH.D.
Curator: GERALDINE P. STAUB.

The library contains 200,003 volumes.
Number of teachers: 450 day, 285 evening.
Number of students: (day) 6,144 men, 1,412 women, total 7,556; grand total 10,433.

DEANS:

Business Administration College: J. M. PARRISH, M.S., PH.D.
Engineering College: L. A. BROTHERS, B.S. IN C.E., D.SC.
Home Economics College: MARJORIE E. RANKIN, M.S.
School of Library Science: J. F. HARVEY, PH.D.
Evening College: S. J. GWIAZDA, M.S. IN M.E.

THE DROPSIE COLLEGE FOR HEBREW AND COGNATE LEARNING

BROAD AND YORK STREETS, PHILADELPHIA, PENNSYLVANIA 19132

Telephone: BAldwin 9-0110 and 9-0111.

Founded 1907.

President: ABRAHAM A. NEUMAN.
Registrar: SARAI ZAUSMER.
Librarian: S. WISEMON (acting).

The library contains 75,820 volumes.
Number of teachers: 15.
Number of students: 152.

DUQUESNE UNIVERSITY

801 BLUFF STREET, PITTSBURGH 19, PENNSYLVANIA

Founded 1878; Chartered 1911.

President: Very Rev. HENRY J. MCANULTY, D.ED.
Executive Vice-President: Rev. J. G. WALSH, PH.D.
Academic Vice-President: Rev. E. R. SUPPLE, S.T.L.
Vice-President for Management: Rev. L. R. DIETRICH, M.A.
Vice-President for University Relations: Rev. J. A. LAURITIS, PH.D.
Registrar: M. J. MURPHY, D.ED.
Librarian: ELEANOR MCCANN, B.S.

The library contains over 140,846 volumes (law library 32,000 volumes).
Number of teachers: 296.
Number of students (1962–63): 3,590 men, 2,675 women, total 6,265.

DEANS:

College of Liberal Arts and Sciences: Rev. J. P. MORONEY, D.SC.
Graduate School: Rev. J. G. WALSH, PH.D.
School of Business Administration: J. L. HAYES, M.A.
School of Education: Rev. P. C. NIEHAUS, D.ED.
School of Law: T. F. QUINN, LL.B., M.B.A.
School of Music: G. KEENAN, M.M., PH.D.
School of Nursing: REGINA FUSAN, R.N., M.ED.
School of Pharmacy: J. S. RUGGIERO, PH.D.

EASTERN BAPTIST COLLEGE

ST. DAVIDS, PENNSYLVANIA

Telephone: Murray 8-3300.

Founded 1932.

President: Dr. THOMAS B. MCDORMAND.
Director of Admissions: Rev. W. A. ZULKER.
Librarian: Miss ETHEL KLINGERMAN.

The library contains 22,883 volumes.
Number of teachers: 45.
Number of students: 491.

EASTERN BAPTIST THEOLOGICAL SEMINARY

CITY LINE AND LANCASTER AVENUE, PHILADELPHIA, PENNSYLVANIA 19151

Telephone: Trinity 7-4200.

Founded 1925.

President: Dr. THOMAS B. MCDORMAND.
Registrar: Dr. N. H. MARING.
Librarian: Dr. K. D. WEEKES.

The library contains 62,580 volumes.
Number of teachers: 22.
Number of students: 193.

EDINBORO STATE COLLEGE

MEADVILLE STREET, EDINBORO, PENNSYLVANIA 16412

Telephone: 732-3301.

Founded 1857.

President: Dr. THOMAS R. MILLER.
Dean of Admissions: Dr. W. A. CORNELL.
Librarian: Miss MILDRED FORNESS.

The library contains 116,000 volumes.
Number of teachers: 160.
Number of students: 3,000.

ELIZABETHTOWN COLLEGE

ELIZABETHTOWN, PENNSYLVANIA 17022

Telephone: Area Code 717, 367-1151.

Founded 1899.

President: ROY E. MCAULEY, ED.D.
Director of Admissions: D. P. GREENE.
Librarian: Miss ANNA M. CARPER.

The library contains 75,000 volumes.
Number of teachers: 90.
Number of students: 1,600.

FRANKLIN AND MARSHALL COLLEGE

LANCASTER, PENNSYLVANIA

Franklin College founded in 1787, Marshall College founded in 1836; merged in 1853.

President: KEITH SPALDING, A.B.
Treasurer: P. R. LINFIELD, M.B.A.
Dean: G. W. GLICK, A.M., PH.D.
Secretary: L. E. GEIER, A.B.
Librarian: H. B. ANSTAETT, M.S.

Number of teachers: 106.
Number of students: 1,500 men.

GANNON COLLEGE

109 WEST SIXTH STREET, ERIE, PENNSYLVANIA

Telephone: Area Code 814, 456-7523.

Founded 1944.

President: Rt. Rev. Mgr. WILFRID J. NASH.
Registrar: Dr. R. L. HERBSTRITT.
Librarian: Rev. C. J. LUBIAK.

The library contains 57,897 volumes.
Number of teachers: 97 full-time.
Number of students: 2,454.

GENEVA COLLEGE

COLLEGE AVENUE AND 32ND STREET, BEAVER FALLS, PENNSYLVANIA 15010

Telephone: Area Code 412, 846-5100.

Founded 1848.

President: Dr. EDWIN C. CLARKE.
Registrar: Mrs. LUCILLE D. HENERY.
Librarian: Mrs. JOHN D. LEIGHTY.

The library contains 65,000 volumes (approx.).
Number of teachers: 74 (approx.).
Number of students: 1,147 (approx.).

GETTYSBURG COLLEGE
(Lutheran Related)

GETTYSBURG, PENNSYLVANIA

Chartered 1832 as Pennsylvania College; name changed 1921.

President: CARL A. HANSON.
Dean: C. H. GLATFELTER.
Director of Admissions: M. CRONLUND.
Dean of Women: MARTHA STOREK.
Dean of Men: W. R. JONES.

Number of teachers (1964–65): 140.
Number of students (1964–65): 1,825.

HAVERFORD COLLEGE
(Society of Friends)

HAVERFORD, PENNSYLVANIA

Founded 1833 as the first college established by the Society of Friends in the U.S.

President: HUGH BORTON, PH.D.
Vice-President and Director of Admissions: A. MACINTOSH, A.M., PH.D.
Dean of the College: W. E. CADBURY, Jr., PH.D.
Dean of Students: J. W. LYONS, ED.D.
Comptroller and Business Manager: A. CASELLI, D.S.E. AND C.

Registrar: Mrs. VIRGINIA KLINE.
Librarian: C. R. THOMPSON, PH.D.

The library contains 231,464 volumes.
Number of teachers: 57 full-time, 14 part-time.
Number of students: 474.
Publications: *The Haverford College Bulletin* (quarterly), *Haverford Horizons* (quarterly).

HOLY FAMILY COLLEGE

GRANT AND FRANKFORD AVENUES, PHILADELPHIA, PENNSYLVANIA 19114

Telephone: NEptune 7-7700.

Founded 1954.

President: Sister M. ALOYSIUS, C.S.F.N.
Registrar: Sister MARGARET MARY, C.S.F.N.
Librarian: Sister M. JANE, C.S.F.N.

The library contains 33,712 volumes.
Number of teachers: 48.
Number of students: 515.

IMMACULATA COLLEGE

IMMACULATA, PENNSYLVANIA 19345

Telephone: Niagra 4-2201.

Founded 1920.

President: Sister MARY OF LOURDES.
Registrar: Sister GEMMA MARY.
Dean of Admissions: Sister MARY JEAN.
Librarian: Sister FLORENCE MARIE.

The library contains 61,000 volumes.
Number of teachers: 82.
Number of students: 755.

INDIANA STATE COLLEGE

INDIANA, PENNSYLVANIA 15701

Telephone: Area Code 412, 463-9111.

Founded 1875.

President: Dr. WILLIS E. PRATT.
Dean of Students: Dr. S. T. HADLEY.
Librarian: W. E. LAFRANCHI.

The library contains 140,000 volumes.
Number of teachers: 296.
Number of students: 5,500.

KING'S COLLEGE

WILKES-BARRE, PENNSYLVANIA 18702

Telephone: Area Code 717, 824-9931.

Founded 1946.

President: Rev. LANE D. KILBURN, C.S.C.
Registrar: Miss MARIE LUKSIC.
Director of Admissions: Rev. C. MATUSIK, C.S.C.
Librarian: Miss MARY BARRETT.

The library contains 74,000 volumes.
Number of teachers: 91.
Number of students: 1,375.

KUTZTOWN STATE COLLEGE

KUTZTOWN, PENNSYLVANIA 19530

Telephone: Area Code 215, 683-3511.

Founded 1866.

President: ITALO L. DE FRANCESCO.
Director of Admissions: H. HUBER.
Librarian: Mrs. RUTH K. YOST.

The library contains 90,000 volumes.
Number of teachers: 153.
Number of students: 3,000.

LAFAYETTE COLLEGE

EASTON, PENNSYLVANIA

Founded 1826; named in honour of the Marquis de Lafayette.

President: K. ROALD BERGETHON, M.A., PH.D., LL.D., LITT.D., LIT.D.
Treasurer: J. N. SCHLEGEL.
Dean of the College: C. C. COLE, Jr., M.A., PH.D.
Secretary, Board of Trustees: G. C. LAUB, LL.B.
Registrar: J. E. BROOKS, Jr., Col. U.S.A. (retd.).
Clerk of the Faculty: H. W. STREETER, M.A., PH.D.
Librarian: C. L. HASELDEN, M.A.

The library contains 158,000 volumes.
Number of teachers: 140.
Number of students: 1,500 men.
Publications *Catalogue* (annual), *Mélange* (annual), *The Lafayette* (twice weekly), *The Alumnus* (monthly), *The Marquis* (quarterly).

LA SALLE COLLEGE

20TH AND OLNEY AVENUE, PHILADELPHIA, PENNSYLVANIA 19141

Telephone: Victor 8-8300.

Founded 1863.

President: Bro. DANIEL BERNIAN, F.S.C.
Registrar: Bro. F. CHPISTOPHER, F.S.C.
Librarian: Bro. E. JOSEPH, F.S.C.

The library contains 110,000 volumes.
Number of teachers: 150.
Number of students: 2,800.

LEBANON VALLEY COLLEGE

ANNVILLE, PENNSYLVANIA

Telephone: 717-867-3561.

Founded 1866.

President: Dr. FREDERIC K. MILLER.
Registrar: Dr. S. A. FARMERIE.
Director of Admissions: D. C. CARMEAN.
Librarian: Dr. D. E. FIELDS.

The library contains 80,000 volumes.
Number of teachers: 70.
Number of students: 750.

LEHIGH UNIVERSITY

BETHLEHEM, PENNSYLVANIA

President: WILIARD D. LEWIS, A.M., PH.D., M.A., LL.D.
Vice-President and Provost: G. J. CHRISTENSEN, PH.D.
Vice-President: C. A. SEIDLE, M.A., ED.D.
Business Officer: E. W. GLICK, B.A.
Registrar: J. H. WAGNER, M.A.
Librarian: J. D. MACK, M.A.

The library contains 450,000 volumes.
Number of teachers: 350.
Number of students (1964–65): 4,132.
Publications: *Graduate Catalogue, University Catalogue, Annual Report,* etc.

DEANS:

Dean of Students: C. W. BRENNAN, M.B.A.
College of Arts and Science: W. R. YATES, M.A., PH.D.
College of Business Administration: L. R. TRIPP, PH.D.
College of Engineering: A. S. FOUST, M.S., PH.D.
Graduate School: R. D. STOUT, M.S., PH.D.

LINCOLN UNIVERSITY

PENNSYLVANIA 19352

Telephone: (215) 932-8300.

Founded 1854.

President: Dr. MARVIN WACHMAN.
Registrar: Dr. P. KUEHNER.
Librarian: E. WIMBISH.

The library contains 100,000 volumes.
Number of teachers: 52.
Number of students: 640.

LOCK HAVEN STATE COLLEGE

LOCK HAVEN, PENNSYLVANIA

Telephone: 748-3113.

Founded 1870.

President: RICHARD T. PARSONS.
Dean of Admissions: J. H. BONE.
Librarian: G. WARNER.

The library contains 105,000 volumes.
Number of teachers: 110.
Number of students: 1,650.

LYCOMING COLLEGE

WILLIAMSPORT, PENNSYLVANIA 17704

Telephone: 326-1951.

Founded 1812.

President: Dr. D. FREDERICK WERTZ.
Registrar: G. H. GRAMLEY.
Librarian: H. W. HAYDEN.

The library contains 63,587 volumes.
Number of teachers: 87.
Number of students: 1,272.

MANSFIELD STATE COLLEGE

MANSFIELD, PENNSYLVANIA

Telephone: 717-662-2114.

Founded 1857.

President: Dr. FRED E. BRYAN.
Registrar: Mrs. MARIE MYERS.
Dean of Admissions: L. E. LUNN.
Librarian: R. DEPRIEST.

The library contains 53,000 volumes.
Number of teachers: 102.
Number of students: 1,650.

MARYWOOD COLLEGE

2300 ADAMS AVENUE, SCRANTON, PENNSYLVANIA 18509

Telephone: Area Code 717, 347-3317.

Founded 1915.

President: Sister M. ST. MARY, I.H.M.

Registrar: Sister M. MARGRETE, I.H.M.
Director of Admissions: Sister M. JOGUES, I.H.M.
Librarian: Sister M. DENIS, I.H.M.

The library contains 71,683 volumes.
Number of teachers: 106.
Number of students: 1,556.

MILLERSVILLE STATE COLLEGE

MILLERSVILLE,
PENNSYLVANIA 17551
Telephone: 872-5411.
Founded 1855.

President: Dr. ROBERT A. CHRISTIE.
Registrar: A. L. BRACKBILL, Jr.
Director of Admissions: Dr. R. V. BROWN.
Librarian: J. S. MAINE.

The library contains 84,425 volumes.
Number of teachers: 180.
Number of students: 2,800 full-time undergraduate.

MORAVIAN COLLEGE

BETHLEHEM,
PENNSYLVANIA 10818
Telephone: 865-0741.
Founded 1742; reorganised 1807.

President: RAYMOND S. HAUPERT, PH.D., LL.D., D.SC.ED.
Registrar: S. R. KILPATRICK.
Librarian: H. L. WILLIAMS.

The library contains 79,000 volumes.
Number of teachers: 96.
Number of students: 1,491.

MUHLENBERG COLLEGE

24TH AND CHEW STREETS,
ALLENTOWN, PENNSYLVANIA
Telephone: 433-3191.
Founded 1848.

President: Dr. ERLING N. JENSEN.
Dean of Admissions: D. L. BREVIK.
Librarian: J. S. DAVIDSON.

The library contains 118,000 volumes.
Number of teachers: 95.
Number of students: 1,420.

PENNSYLVANIA COLLEGE OF OPTOMETRY

6100 NORTH 12TH STREET,
PHILADELPHIA,
PENNSYLVANIA 19141
Telephone: Area Code 215, 424-5900.
Founded 1919.

President: Dr. LAWRENCE FITCH.
Director of Admissions: Dr. J. J. CROZIER.
Librarian: Mrs. DOLORES H. TAYLOR.

The library contains 8,000 volumes.
Number of teachers: 30.
Number of students: 260.

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SWARTZ, F. M., PH.D.
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PHILADELPHIA COLLEGE OF ART

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PHILADELPHIA,
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Founded 1876.

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Dean of Admission: E. B. THOMAS.
Librarian: Mrs. HAZEL GUSTOW.

Number of teachers: 51 full-time, 50 part-time.

Number of students: 750 day, 700 evening.

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Registrar: W. F. PRIEN, B.S., M.S.

Number of teachers: 50.
Number of students: 800.

ROSEMONT COLLEGE

ROSEMONT, PENNSYLVANIA

Telephone: Area Code 215, 527-0200.

Founded 1921.

President: Mother MARY GEORGE, S.H.C.J.
Registrar: Mother MARY ST. STEPHEN.
Dean of Admissions: Mother MARIE VENARD.
Librarian: Mother MARY DENNIS.

The library contains 75,503 volumes.
Number of teachers: 58 full-time, 13 part-time.
Number of students: 689.

SAINT FRANCIS COLLEGE

LORETTO, PENNSYLVANIA

Telephone: Area Code 814, 472-7000.

Founded 1847.

President: Rev. GABRIEL LONCOSKY, T.O.R.
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Librarian: Rev. V. NEGHERBON, T.O.R.

The library contains 61,000 volumes.
Number of teachers: 79.
Number of students: 1,415.

SAINT JOSEPH'S COLLEGE

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Number of teachers: 104 full-time, 100 part-time.
Number of students: 1,600 day, 4,000 evening.

SAINT VINCENT COLLEGE

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Founded 1846.

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Registrar: Rev. B. J. HASSO, O.S.B.
Librarian: Rev. F. SHONIKER, O.S.B.

The library contains 175,000 volumes.
Number of teachers: 92.
Number of students: 875.

SETON HILL COLLEGE

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The library contains 52,000 volumes.
Number of teachers: 67.
Number of students: 650.

SHIPPENSBURG STATE COLLEGE

SHIPPENSBURG, PENNSYLVANIA

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Founded 1871.

President: RALPH E. HEIGES.
Registrar: A. DRACHBAR.
Librarian: ALMA WINTON.

The library contains 95,000 volumes.
Number of teachers: 170.
Number of students: 2,600.

SLIPPERY ROCK STATE COLLEGE

SLIPPERY ROCK, PENNSYLVANIA 16057

Telephone: 794-4401.

Founded 1889.

President: Dr. ROBERT S. CARTER.
Registrar: Mrs. DOROTHY BILLINGSLEY.
Dean of Admissions: R. A. LOWRY.
Librarian: H. HELMRICH.

The library contains 62,000 volumes.
Number of teachers: 187.
Number of students: 2,754.

SUSQUEHANNA UNIVERSITY

SELINGSGROVE, PENNSYLVANIA 17870

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Founded 1858.

President: Dr. GUSTAVE W. WEBER.
Dean of Admissions: D. MACCUISH.
Librarian: A. J. KRAHMER.

The library contains 65,000 volumes.
Number of teachers: 85.
Number of students: 1,140.

SWARTHMORE COLLEGE

SWARTHMORE, PENNSYLVANIA

Founded 1864 by members of the Religious Society of Friends.

President: COURTNEY C. SMITH, M.A., PH.D., LL.D., L.H.D., LITT.D., O.B.E.
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Registrar: J. M. MOORE, M.A., PH.D.
Dean: SUSAN P. COBBS, M.A., PH.D.
Librarian: J. F. GOWAN.

The library contains 261,000 volumes.
Number of teachers: 128.
Number of students: 546 men, 479 women, total 1,025.
Publication: *Bulletin*.

TEMPLE UNIVERSITY

PHILADELPHIA, PENNSYLVANIA 19122

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Founded 1884.

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The library contains 691,058 volumes.
Number of teachers: 1,826.
Number of students (including all divisions): 34,968.
Publications: *Law Quarterly*, *The American Journal of Legal History*, *Alumni Review*, *Economics and Business Bulletin*.

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Founded 1866.

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Registrar: C. D. SEAGREN.
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Librarian: Dr. H. ZENNER.

The library contains 70,000 volumes.
Number of teachers: 78.
Number of students: 1,100.

UNIVERSITY OF PENNSYLVANIA

PHILADELPHIA, PENNSYLVANIA
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Founded 1740.

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Library: *see* Libraries.
Number of teachers: 4,100.
Number of students: 14,082 men, 5,200 women, total 19,282.
Publications: *Veterinary Extension Quarterly, University of Pennsylvania Law Review, Hispanic Review, American Quarterly, University Bulletins, Pennsylvania Gazette, Schoolmen's Week Proceedings, Morris Arboretum Bulletin, Biological Abstracts, Wistar Institute Publications, Journal of Social Work Process, Expedition.*

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DINES, E. A., M.S., Civil Engineering
DINKER, J., B.S., Civil Engineering
FITTERER, G. R., PH.D., Metallurgical Engineering
GRATTON, M. A., B.S., Metallurgical Engineering
HOLZMAN, A. G., PH.D., Industrial Engineering
HOUGHTON, G., PH.D., Chemical Engineering
LIGHTHOLDER, R. K., M.S., Civil Engineering
RUSH, P. E., B.S., Electrical Engineering
SHORT, W. I., M.S., Civil Engineering
STUART, E. B., PH.D., Chemical Engineering
SZE, T. W., PH.D., Electrical Engineering
TARTARON, F. X., E.M., Petroleum Engineering
TIERNEY, J. W., PH.D., Chemical Engineering
TURKES, W. R., M.S., Industrial Engineering
YATES, C. C., M.S., Aeronautical Engineering

Graduate School of Business:
BASS, B., PH.D., Business Administration
BLACKBURN, R. F., PH.D., Statistics
BOER, A. E., PH.D., Marketing
ENTENBERG, R. D., PH.D., Retailing
FELS, E., PH.D., Statistics
FRASURE, W. W., PH.D., C.P.A., Accounting
FREY, A., M.B.A., Marketing
GOLD, B., PH.D., Industry and Economic Research
JABLONSKI, S. F., M.B.A., C.P.A., Accounting
KOHBERGER, P. B., PH.D., Business Administration
RICHARDSON, F. L. W., PH.D., C.P.A., Business Administration

ROBERTS, M. J., PH.D., Transportation
ROSSELL, J. H., M.LITT., C.P.A., Accounting
SEMENOW, R. W., M.A., Real Estate
SHATTUCK, L. A., LL.B., PH.D., Finance
WEIDENHAMMER, R. M., PH.D., Finance

School of Education:
ANDERSON, G. W., ED.D., Business Education
BARNEY, W. D., PH.D., Education
BIRCH, J. W., PH.D., Special
CLELAND, D. L., PH.D., Elementary Education
COGAN, M., ED.D., Teacher Education
CRARY, R. W., PH.D., Foundations of Education
GLASER, R., PH.D., Education and Psychology
GOULD, G., PH.D., Secondary Education
GROSE, C. H., PH.D.
GRUBBS, R. L., ED.D., Business Education
HARBAUGH, J. W., M.A., Education
HART, T. A., PH.D., Ecuador
JOHNSON, W. H. E., PH.D., General Education
LINDVALL, C. M., ED.D., Educational Research
LINGREN, V. C., ED.D., Secondary Education
LITTLE, L. C., PH.D., Religious Education
MASON, R. E., PH.D., General Education
MASONER, P. H., PH.D.
OERMANN, K. C. H., PH.D., Physical Education
OLANDER, H., PH.D., Education
PETERSON, C. A., PH.D., Physical Education
REID, L., PH.D., Special Education and Rehabilitation
SARTAIN, H., PH.D., Elementary Education
SCOTT, C. P., ED.D., Vocational Education
STEVENS, G., ED.D., Special Education
THOMAS, M. J., ED.D., Education
VAN DALEN, D. B., PH.D., Physical Education and Educational Research
WATSON, P. E., ED.D., Ecuador
WYNN, R., ED.D., Administration

School of Nursing:
AUSTIN, LOIS M., PH.D., Nursing Education
ERICKSON, FLORENCE, PH.D., Pædiatric Nursing
KUEHN, RUTH, PH.D., Nursing Administration
McCLURE, CATHERINE, PH.D.

School of Pharmacy:
BIANCULLI, J. A., PH.D.
BUCKLEY, J. P., PH.D., Pharmacology
McEVILLA, J. D., PH.D., Pharmacy Administration

School of Social Work:
COCKERILL, ELEANOR E., M.S.S., Social Case Work
EATON, J., PH.D., Social Work Research
GABELL, MARCENE, M.S.W., Social Case Work
KLEIN, A. F., LL.B., M.S.W., Social Group Work
LEHRMAN, L. J., M.S., Social Case Work
LUTZ, W. A., M.A., M.S., Social Case Work
MAYERSON, ERMA, M.S.W., Social Group Work
McCULLOUGH, W., PH.D.
MENCHER, S., D.S.W., Public Welfare
NEWSTETTER, W. I., M.SC.ADMIN., Social Administration
SCHWARTZ, M., M.A., Community Work

School of Medicine:
ASTLEY, R. C., M.D., Psychiatry
AXELROD, A. E., PH.D., Biochemistry
BABCOCK, CHARLOTTE G., M.D., Psychiatry
BAHNSON, H. T., M.D., Surgery
BRAUDE, A. I., M.D., PH.D., Medicine
BRIGGS, N., PH.D., Physiology
BROSIN, H. W., A.B., M.D., Psychiatry
CAFFEY, J., M.D., Radiology
CAUNA, N., M.D., Anatomy
CHEEVER, F. S., M.D.
DANOWSKI, T. S., M.D., Research Medicine
DAY, R. L., M.A., Pædiatrics
DOERFLER, L. G., PH.D., Oto-Laryngology
DRAPANAS, T., M.D., Surgery
EARLEY, L. W., M.D., Psychiatry
ETTER, L. E., M.D., Radiology
FARBER, E., PH.D., Pathology
FENNEL, R. H., Jr., M.D., Pathology
FERGUSON, A. B., Jr., M.D., Orthopædic Surgery
FETTERMAN, G. H., III, M.A., M.D., Pathology
FISHER, B., M.D., Surgery
FISHER, E. R., M.D., Pathology
GAFFNEY, P. C., M.D., Pædiatrics
GIRDANY, B. R., M.D., Radiology
GITLIN, D., M.D., Pædiatrics
GOLDRING, S., M.D., Medicine
HARBISON, S. P., M.D., Surgery
HOFMANN, K., PH.D., Biochemistry
HUTCHINSON, D. L., M.D., Obstetrics and Gynæcology
JERNE, N. K., M.D., Microbiology
KIESEWETTER, W. B., M.D., Surgery
KING, H. E., PH.D., Psychiatry
KNOBIL, E., PH.D., Psychiatry
LANSING, A. I., PH.D., Anatomy
LASSER, E. C., M.D., Radiology
LEIGHTON, J., M.D., Pathology
LIEBERMAN, I., M.D., Microbiology
McCALL, M. L., M.D., Obstetrics and Gynæcology
McLAIN, P. L., M.D., Physiology and Pharmacology
MILLER, R. E., PH.D., Clinical Science
MIRSKY, I. A., M.D., Clinical Science, Research Psychiatry
MYERS, J. D., M.D., Medicine
PHILLIPS, O. C., M.D., Anæsthesiology
PRIMAN, J., M.D., Anatomy
ROBIN, E. D., M.D., Medicine
ROGERS, K. D., M.D., Preventive Medicine
SAFAR, P., M.D., Anæsthesiology
SIDRANSKY, H., M.D., Pathology
TREON, P., M.D., Medicine
WENIGER, F. L., M.D., Psychiatry
WOLKEN, J., PH.D., Ophthalmology
YOUNGER, J. S., SC.D., Microbiology

School of Law:
BOOKSTAVER, D. R., LL.B., Law
CHECKLEY, T. S., J.D., Law
COOLEY, T. M., LL.B., Law
HOLOHAN, F. E., LL.B., Law
SCHULZ, W. F., Jr., M.A., Law
SELL, W. E., A.B., LL.B., Law
SHERMAN, H. L., Jr., A.B., LL.B., Law
STAHL, D., LL.B., Law

School of Dentistry:
BLACK, D. L., D.D.S., Dentistry
BRADLEY, H. W., D.D.S., Dentistry
BRAND, C. F., D.D.S., Dental Anatomy and Operative Technics
CHAUDHRY, A. P., PH.D., Pathology
COX, G. J., PH.D., Biochemistry and Dental Research
DUROCHER, R. T., D.D.S.
ESELMAN, J. C., D.D.S., F.A.C.D., Radiography
FORREST, E. J., PH.D.
FOSTER, MOLLIE D., D.D.S.
GEORGE, W. A., D.D.S., Prosthodontics
GUPTA, P., M.S.D.
KRAUS, B., PH.D., Cleft Palate Research
SASSOUNI, V., D.D.S.
STEWART, G. M., D.D.S., Periodontics
THONARD, J. C., PH.D., Pathology
WESTIN, V. A., D.D.S.

Graduate School of Public Health:
ALTMAN, I., PH.D., Biostatistics
BELDING, H. S., PH.D., Occupational Health
BENTLEY, R., PH.D., Biochemistry and Nutrition
CIOCCO, A., SC.D.(ECON.), SC.D.(HYG.), Biostatistics
CLARK, D., M.D., Public Health Practice
CRABTREE, J. A. (Dean)
GEZON, H. M., M.D., Epidemiology and Microbiology
HAMMON, W. McD., M.D., DR.P.H., Epidemiology
HATCH, T. F., S.M., Occupational Health
HIGGINS, J. T., M.D., Epidemiology
LI, C. C., PH.D., Biostatistics
MANCUSO, T. F., M.D., Occupational Health
MINARD, D., M.D., Occupational Health
OLSEN, R. E., PH.D., M.D., Biochemistry and Nutrition
SHEPS, C. G., M.D., M.P.H., Public Health Practice
SHEPS, M., M.D., Biostatistics
THOMPSON, D. J., PH.D., Biostatistics
TREUTING, W. J., M.P.H., Public Health Practice
WALD, N., M.D., Occupational Health
WISHIK, S. M., M.D., M.P.H., Maternal and Child Health

Department of Physical Education:
COVERT, MARGARET E., M.ED.
PETERSON, C. A., M.ED.

Graduate School of Public and International Affairs:
DUGGAR, G. S., PH.D., Public and International Affairs
ESMAN, M. J., PH.D., Public and International Affairs
GRUNDSTEIN, N. D., PH.D., LL.D., Public Administration
MAUCK, E. A., PH.D., Public Administration
POIS, J., PH.D., Public Administration
POWELSON, J., PH.D., Public and International Affairs
ROSEMAN, A., A.B., LL.B., Public and International Affairs
SCHAEFFER, W. G., PH.D., Public and International Affairs
STONE, D., LL.B.

Regional Campuses:

Johnstown Colleges:
IDZKOWSKY, H. J., PH.D., Biological Sciences
McCLURE, R. E., PH.D., Chemistry
PECK, G. V., M.S., General Engineering
REISER, CATHERINE E., PH.D., History

UNIVERSITY OF SCRANTON

SCRANTON,
PENNSYLVANIA 18510
Telephone: 347-3321.
Founded 1888.

President: Very Rev. ALOYSIUS C. GALVIN, S.J.
Treasurer: Rev. L. C. KLEFF, S.J., M.A.
Student Counselor: Rev. W. JUNGERS, S.J.
Registrar: Mrs. VIRGINIA WALSH.
Librarian: MARIANNE McTIGHE, M.A.

Number of teachers: 120.
Number of students: 2,454.
Publications: *Best Sellers* (semi-monthly), *Alum-News* (quarterly), *Windhover* (yearbook), *Aquinas* (student newspaper), *Esprit* (half-yearly).

DEANS:

Day Sessions: Rev. W. G. KELLY, S.J., M.A., S.T.L.
Students: Rev. J. J. FITZPATRICK, S.J.
Graduate Dean: Rev. J. A. ROCK, S.J., S.T.L., PH.D.
Student Personnel: Rev. H. J. BUTLER, S.J., M.A. (Director).
Evening School: C. BUCKLEY, M.A.

URSINUS COLLEGE

COLLEGEVILLE, PENNSYLVANIA 19426
Telephone: 215-489-4111.
Founded 1869.

President: Dr. DONALD L. HELFFERICH.
Registrar: G. DOLMAN.
Librarian: Dr. C. D. YOST, Jr.

The library contains 70,000 volumes.
Number of teachers: 64.
Number of students: 950.

VILLANOVA UNIVERSITY

VILLANOVA, PENNSYLVANIA
Founded 1842.

President: Very Rev. JOSEPH A. FLAHERTY, O.S.A.
Vice-President for Academic Affairs: Rev. J. M. DRISCOLL, O.S.A.
Vice-President for Financial Affairs: Rev. J. J. CURRAN, O.S.A.
Vice-President for Student Affairs: Rev. R. D. APPICCI, O.S.A.
Librarian: Rev. L. A. RONGIONE, O.S.A.

Number of teachers: 405.
Number of students: 7,500.
Publication: *Villanova University Bulletin.*

DEANS:

Engineering: J. J. GALLEN.
Arts and Science: Rev. R. WELSH, O.S.A.
Commerce and Finance: Rev. P. F. BARRETT, O.S.A.
Nursing: MARION M. SCHRUM.
Law: H. G. REUSCHLEIN.

WASHINGTON AND JEFFERSON COLLEGE

WASHINGTON, PENNSYLVANIA

Washington Academy chartered 1787, rechartered as Washington College 1806; Jefferson Academy (Canonsburg) chartered 1794, rechartered as Jefferson College 1802; Colleges united 1865.

President: BOYD C. PATTERSON, PH.D.
Dean of College: J. W. MAY, PH.D.
Dean of Students: D. R. JOHNSON, PH.D.
Dean of Student Personnel: F. J. FRANK, M.S.
Business Manager: W. S. MCCREADY, B.A.

Number of teachers: 67.
Number of students: 826 (men).

WAYNESBURG COLLEGE

WAYNESBURG, PENNSYLVANIA 15370
Telephone: Area Code 412, 627-6151.
Founded 1849.

President: BENNETT M. RICH.
Director of Admissions: W. S. POOL.
Librarian: Mrs. MAY P. CLOVIS.

The library contains 60,000 volumes.
Number of teachers: 56.
Number of students: 1,000 (approx.).

WEST CHESTER STATE COLLEGE

WEST CHESTER, PENNSYLVANIA
Telephone: Area Code 215, 692-3210.
Founded 1812.

President: Dr. EARL F. SYKES.
Registrar: Mrs. HELEN E. SHIPPEE.
Director of Admissions: Dr. P. B. ROSS.
Librarian: J. HALL.

The library contains 125,000 volumes.
Number of teachers: 264.
Number of students: 3,850 full-time.

WESTMINSTER COLLEGE

NEW WILMINGTON, PENNSYLVANIA
Founded 1852.

President: WILL W. ORR, D.D., LITT.D., LL.D.
Registrar: W. T. BOLYARD, M.S.
Executive Secretary of Alumni: D. L. COLTON, B.A.

Number of teachers: 100, including 20 professors.
Number of students: 1,062 men, 888 women, total 1,945.

DEANS:

College: C. F. SAYLOR, M.A., D.ED.
Students: G. M. IRELAND, M.B.A.
Associate Dean of Students: E. JEAN ANTES, M.A.
Chapel: J. C. MCDONNELL, A.B., B.D.
Men's Housing: W. S. MCGINNIS, M.S.ED. (Director).

WESTMINSTER THEOLOGICAL SEMINARY

CHESTNUT HILL, PHILADELPHIA, PENNSYLVANIA 19118.
Telephone: TU 7-5511.
Founded 1929.

President: EDMUND P. CLOWNEY (acting).
Registrar: L. W. SLOAT.
Librarian: A. W. KUSCHKE.

The library contains 43,000 volumes.
Number of teachers: 11.
Number of students: 125.

WILKES COLLEGE

WILKES-BARRE, PENNSYLVANIA 18703
Telephone: Area Code 717, 824-4651.
Founded 1933.

President: EUGENE S. FARLEY.
Registrar: J. P. WHITBY.
Librarian: NADA VUJICA.

The library contains 70,000 volumes.
Number of teachers: 94 full-time.
Number of students: 1,556 full-time.

WILSON COLLEGE

CHAMBERSBURG, PENNSYLVANIA
Founded 1869.

President: PAUL S. HAVENS.
Business Manager: A. D. STOUT.
Librarian: HELEN M. COOPER.

The library contains 90,000 volumes.
Number of teachers: 61, including 18 professors.
Number of students: 680.
Publication: *Catalogue.*

DEANS:

Dean of the College: MARTHA E. CHURCH.
Dean of Residence: CATHERINE L. HICKS.
Dean of Freshmen: PHYLLIS R. GANSZ.
Dean of Sophomores: MARY J. CLARK.

RHODE ISLAND

BARRINGTON COLLEGE

MIDDLE HIGHWAY, BARRINGTON, RHODE ISLAND
Telephone: 246-1200.
Founded 1900.

Chancellor: Dr. HOWARD W. FERRIN.
President: Dr. C. E. HUMMEL.
Registrar: G. H. CRAMER.
Librarian: Miss ELEANOR WILSON.

The library contains 33,000 volumes.
Number of teachers: 50.
Number of students: 560.

BROWN UNIVERSITY

PROVIDENCE, RHODE ISLAND 02912
Telephone: UNion 1-2900.
Founded 1764.

President: BARNABY C. KEENEY, PH.D., ED.D., JUR.D., LITT.D., L.H.D., LL.D.
Chancellor: H. S. MCLEOD, A.M., LL.D.
Secretary: J. N. BROWN, A.M., LL.D.
Treasurer: P. J. JAMES.
Provost of the University: Z. R. BLISS, SC.M.
Associate Vice-President, Bio-medical Development: G. L. BROOKS, M.D.
Vice-President and Business Manager: F. M. COCHRAN, D.B.A., LL.D.
Secretary of the University: H. S. CURTIS, A.M.
Vice-President: J. ELMENDORF, PH.D.
Registrar of the University: M. E. NOBLE, A.B.
Controller: J. B. PRICE, A.B.
Librarian: D. A. JONAH, SC.M., LL.D.

Number of teaching and research faculty: 939.

Number of students: 2,604 men, 985 women, 1,220 graduate students, total 4,809.

Publications: *Quarterly of Applied Mathematics, Brown University Studies, Colver Lectures, Books at Brown.*

DEANS:

University: M. P. STOLTZ, PH.D.
College: R. O. SCHULZE, PH.D.
Pembroke College: ROSEMARY PIERREL, PH.D.
Graduate School: R. B. LINDSAY, PH.D., ED.D.
Admission, Brown: C. H. DOEBLER, IV, A.B.
Admission, Pembroke: ALBERTA F. BROWN, A.M.

CO-ORDINATE COLLEGE:

Pembroke (women).

PROFESSORS:

ANDERSON, G. K., PH.D., English
ANGULO, C. M., D.E.E., Engineering
BARNES, F. W., M.D., PH.D., Medical Science
BECKMANN, M. J., DR.RER.POL., Economics
BENFORD, W. R., SC.M., Engineering
BEYER, R. T., PH.D., Physics
BLISTEIN, E. M., PH.D., English
BLOOM, E. A., PH.D., English
BORTS, G. H., PH.D., Economics
BOSLAND, C. C., PH.D., Political Economy
BRADNER, L., PH.D., English
BRAY, P. J., PH.D., Physics
BRENNAN, M. J., PH.D., Economics
BRENT, R., SC.B., A.M., Naval Science
BRIDENBAUGH, C., PH.D., LITT.D., History
BROWN, H., PH.D., French Language and Literature
BUNNETT, J. F., PH.D., Chemistry
BURNIGHT, R. G., PH.D., Sociology
CAMINOS, R. A., PH.D., Egyptology
CARLSON, K. H., PH.D., Mathematics
CARPENTER, G. B., PH.D., Chemistry
CAVIN, W. P., PH.D., Chemistry
CHASE, H. B., PH.D., Biology
CHISHOLM, R. M., PH.D., Philosophy
CHURCH, G. L., PH.D., Botany
CHURCH, R. M., PH.D., Psychology
CHURCH, W. F., PH.D., History
CLAPP, L. B., PH.D., PH.D., Chemistry
CLARKE, J. H., PH.D., Engineering
COLE, R. H., PH.D., Chemistry
COOLIDGE, A. R., PH.D., Music
COOPER, L. N., PH.D., Physics
CORNWELL, E. E., Jr., PH.D., Political Science
CRARY, S. T., PH.D., Religious Studies
DAVIDS, A., PH.D., Psychology
DAVIS, P. J., PH.D., Applied Mathematics
DELIUS, H., PH.D., Philosophy
DILLON, J. A., Jr., PH.D., Physics
DINNEEN, W., A.M., Music
DODGE, G. H., PH.D., Political Science
DOWNING, G. E., PH.D., Art
DRUCKER, D. C., PH.D., Engineering
DUFFY, J. W., PH.D., Engineering
ECHEVERRIA, D., PH.D., French
ECKELMANN, F. D., PH.D., Geology
EDDS, MAC V., PH.D., Biology
EDWARDS, J. O., PH.D., Chemistry
ELBAUM, C., PH.D., Physics
ELEY, R. C., M.D., Pædiatrics
ENGEN, T., PH.D., Psychology
EPSTEIN, K., PH.D., History
ERIKSON, G. E., PH.D., Medical Science
FANGER, H., M.D., Pathology
FARNSWORTH, H. E., PH.D., Physics
FEDERER, H., PH.D., Mathematics
FELDMAN, D., PH.D., Physics
FELDMAN, W. S., M.F.A., Art
FENTON, P. F., PH.D., Biology
FINDLEY, W. N., SC.M. IN ENG., A.M., Engineering
FLEMING, W. H., PH.D., Mathematics
FLORIN, S. A., PH.D., Biology
FRANCIS, W. N., PH.D., Linguistics and English
FREIBERGER, W., PH.D., Applied Mathematics
GALE, D., PH.D., Mathematics
GIBBS, J. H., PH.D., Chemistry
GOLDSTEIN, S., PH.D., Sociology
GORDON, L. H., PH.D., Italian and French
GOSS, R. J., PH.D., Biology
GRAUBARD, S. R., PH.D., History
GREEN, Sister AGNES A., Chemistry
GREENE, E. F., PH.D., Chemistry
GRUNDMANN, W. J., SC.B., A.M., Aerospace Studies
GURLAND, J., SC.D, Engineering
HALE, J. K., PH.D., Applied Mathematics
HAMOLSKY, M. W., M.D., Medicine
HARRIS, B., PH.D., Mathematics
HELLER, G. S., PH.D., Engineering
HERSEY, M. D., A.M. IN PHYS., Engineering
HOLSKE, A., PH.D., German
HONIG, E., A.M., English
JONAH, D. A., SC.M., LL.D., Bibliography
JORDY, W. H., PH.D., Art
KAPSTEIN, I. J., PH.D., English
KEENEY, B. C., PH.D., LL.D., History
KELLENBERGER, H., PH.D., French
KENNEDY, E. S., PH.D., History of Mathematics
KENNY, R. W., PH.D., English
KESTIN, J., PH.D., D.I.C., Engineering
KIM, S. Y., PH.D., Chemistry
KIRKPATRICK, L. B., A.B., Political Science
KLING, J. W., PH.D., Psychology
KOLSKY, H., PH.D., D.SC., Applied Physics
KORNHAUSER, E. T., PH.D., Engineering
KRAL, J., Mathematics
KUCERA, H., PH.D., Slavic Languages and Linguistics
KUGEL, R. B., M.D., Child Health
KUHN, R., PH.D., French
LADD, J., PH.D., Philosophy
LASALLE, J. P., PH.D., Applied Mathematics
LEDUC, ELIZABETH H., PH.D., Biology
LEFSHETZ, S., PH.D., SC.D., Applied Mathematics
LENZ, J. W., PH.D., Philosophy
LERNER, S., ENG.D., Engineering
LINDSAY, R. B., PH.D., Physics
LÓPEZ-MORILLAS, J., PH.D., Spanish and Comparative Literature
LOWITT, R., PH.D., History
LOWRY, B., PH.D., Art
LYON, B., PH.D., History
MCDONALD, F., PH.D., History
MCLOUGHLIN, W. G., Jr., PH.D., History
MCNALLY, R. E., S.J., PH.D., Religious Studies
MAEDER, P. F., PH.D., Engineering
MAYER, K. B., PH.D., Sociology
MEIXNER, J., PH.D., Engineering
MORGAN, G. W., PH.D.
MORSE, R. W., PH.D., Physics
MYLONAS, C., PH.D., Engineering
NACE, H. R., PH.D., Chemistry
NEUGEBAUER, O. E., PH.D., LL.D., SC.D., History of Mathematics
NEWELL, G. F., PH.D., Applied Mathematics
NOMIZU, K., PH.D., AC.D., Mathematics
PARKER, R. A., PH.D., Egyptology
PARKS, R. E., Jr., M.D., PH.D., Medical Science
PASLEY, P. R., SC.D., Engineering
PECK, R. A., Jr., PH.D., Physics
PFAUTZ, H. W., PH.D., Sociology
QUINN, A. W., PH.D., Geology
QUINN, J. J., PH.D., Physics
RIDGELY, B. S., PH.D., French
RIGGS, L. A., PH.D., Psychology
RIVLIN, R. S., SC.D., Applied Mathematics
ROHR, D. G., PH.D., History
ROSS, J., PH.D., Chemistry
SABOL, A. J., PH.D., English
SACHS, A. J., PH.D., History of Mathematics
SAKODA, J. M., PH.D., Sociology
SALVAN, A. J., PH.D., French
SCHNERR, W. J., PH.D., Romance Languages
SCHUMANN, D. W., PH.D., German
SETHNA, P. R., PH.D., Applied Mathematics
SHAPIRO, A. M., PH.D., Physics
SHIMAOKO, G., D.SC., Physics
SILZ, W., PH.D., German
SMILEY, C. H., PH.D., Astronomy
SMITH, E. R., A.M., ED.D., Education
STEIN, J. L., PH.D., Economics
STEWART, F. M., PH.D., Mathematics
STEWART, P. A., PH.D., Medical Science
STOLTZ, M. P., PH.D., Economics
SYMONDS, P. S., PH.D., Engineering
TAFT, P., PH.D., Economics
TOMAS, V. A., PH.D., Philosophy
TOWNLEY, H., A.M., Art
TRUEBLOOD, A. S., PH.D., Spanish
TRUELL, R., PH.D., Applied Mathematics
TWADDELL, W. F., PH.D., LITT.D., Linguistics and German
VARGAS, L. L., M.D., Surgery
WAGGONER, H. H., PH.D., English
WEISZ, P. B., PH.D., Biology
WERMER, J., PH.D., Mathematics
WESTERVELT, P. J., PH.D., Physics
WILLIAMS, A. O., Jr., PH.D., Physics
WILLIAMS, L. E., PH.D., Political Science
WILSON, J. W., PH.D., ED.D., Biology
ZIMMER, B. G., PH.D., Sociology

PROVIDENCE COLLEGE

PROVIDENCE
RHODE ISLAND 02918
Telephone: Area Code 401, 861-1500.
Founded 1917.

President: Very Rev. WILLIAM P. HAAS, O.P., PH.D.
Dean of Admissions: Rev. R. J. GARDNER, O.P.
Librarian: Rev. E. A. HOGAN, O.P.

The library contains 100,000 volumes (approx.).
Number of teachers: 200 (approx.).
Number of students: 2,600.

RHODE ISLAND COLLEGE

600 MOUNT PLEASANT AVENUE,
PROVIDENCE 8,
RHODE ISLAND 02908
Telephone: 831-6600.
Founded 1854.

President: WILLIAM C. GAIGE.
Admissions Officer: F. BUCCI.
Librarian: S. U. GRATION.

The library contains 65,000 volumes.
Number of teachers: 250.
Number of students: 2,300 full-time, 2,500 part-time.

RHODE ISLAND SCHOOL OF DESIGN

PROVIDENCE 3, RHODE ISLAND
Founded 1877.

President: ALFRED BUSH-BROWN.
Deans of the Faculty: S. F. HERSHEY, D. L. STROUT, B.F.A.
Registrar: G. L. BRADLEY, A.B.
Director of Admissions: C. A. DUNN, Jr., B.F.A.

Dean of Students: D. N. Lay, Jr.
Librarian: Alice V. McGrath, ph.b.

Number of teachers: 118.
Number of students: 825.
Publications: *Annual Catalogue, Alumni Bulletin, Portfolio* (Student Year Book), *Spectrum* (Student Magazine).

SALVE REGINA COLLEGE

OCHRE POINT AVENUE, NEWPORT, RHODE ISLAND 02841
Telephone: Area Code 401, 847-6650.

Founded 1947.

President: Sister Mary Emily, r.s.m.
Dean of Admissions: Sister Mary Audrey, r.s.m.
Librarian: Sister Marie Therese, r.s.m.

The library contains 35,000 volumes.
Number of teachers: 72.
Number of students: 750.

UNIVERSITY OF RHODE ISLAND

KINGSTON, RHODE ISLAND 02881
Telephone: 792-1000.

Founded 1892 as Rhode Island College of Agriculture and Mechanic Arts; changed to University of Rhode Island, March 23rd, 1951.

President: Francis H. Horn, ph.d., ll.d., l.h.d.
Vice-President for Business Affairs and Treasurer: T. N. McClure, m.s.
Registrar: E. J. Farrell, m.ed.
Librarian: F. P. Allen, m.a.

The library contains 256,000 volumes.
Number of teachers: 363, including 103 professors.
Number of students: 2,709 men, 1,705 women, total 4,414.
Publications: *Annual Report of the President and Other Officers, Annual Report of the Extension Service, Annual Report of the R.I. Agricultural Experiment Station, Bulletins of R.I. Engineering Experiment Station, Bulletin of University of R.I., Reporter.*

Deans:

Dean of Students: E. C. McGuire, m.s.
College of Agriculture: J. W. Cobble, ph.d.
College of Business Administration: G. A. Ballentine, ph.d.
College of Engineering: T. S. Crawford, ph.d.
College of Home Economics: Beverly M. Downing, ed.d.
College of Arts and Science: J. Pollack, ph.d.
College of Pharmacy: H. W. Youngken, ph.d.
School of Nursing: Martha O. Sayles, m.ed.
Graduate School of Oceanography: J. A. Knauss, ph.d.
Graduate School: P. H. Nash, ph.d.
Graduate School of Library Science: E. J. Humeston, ph.d.
Summer Session: J. D. Brasch, ph.d.

SOUTH CAROLINA

THE CITADEL
(Military College of South Carolina)

CHARLESTON, SOUTH CAROLINA

Founded 1842.

President: Gen. Hugh P. Harris.
Dean: Brig.-Gen. J. W. Duckett.
Commandant: Maj.-Gen. R. H. Tucker.
Academic Dean: Col. R. M. Byrd.
Dean of Cadet Affairs: Col. D. S. McAlister.
Adjutant: Col. C. J. Hoy.
Comptroller: Col. J. F. Bosch, Jr.
Registrar: Cdr. R. B. Folsom.
Librarian: Lt.-Col. J. M. Hillard.

The library contains 95,000 volumes.
Number of teachers: 137, including 27 professors.
Number of students: 2,000.
Publications: *Sphinx, Brigadier, Guidon, Shako.*

CLEMSON UNIVERSITY

CLEMSON, SOUTH CAROLINA

Founded 1893 as Clemson Agricultural College.

President: Robert C. Edwards, ll.d.
Vice-President for Academic Affairs and Dean of the University: J. K. Williams, ph.d.
Vice-President for Business and Finance and Comptroller: M. A. Wilson, b.s.
Vice-President for Development: W. W. Bryan, b.s., litt.d., ll.d.
Dean of Student Affairs: W. T. Cox, b.s.
Librarian: J. W. G. Gourlay, a.m.l.s.

Library of 250,000 volumes, 3,500 periodicals.
Number of teachers: 375, including 263 full-time.
Number of students: 4,376.

Deans:

College of Agriculture: W. H. Wiley, ph.d.
School of Architecture: H. E. McClure, m.arch., f.a.i.a.
College of Arts and Science: H. L. Hunter, ph.d.
College of Engineering: L. G. Rich, ph.d.
School of Industrial Management and Textile Science: W. D. Trevillian, ph.d.
Graduate School: H. H. Macaulay, Jr., ph.d.

Heads of Departments:

College of Agriculture:
Agricultural Economics and Rural Sociology: W. J. Lanham.
Agricultural Education: L. H. Davis.
Agricultural Engineering: A. W. Snell.
Agronomy and Soils: U. S. Jones.
Animal Science: R. F. Wheeler.
Botany and Bacteriology: W. M. Epps.
Dairy Science: W. A. King.
Entomology and Zoology: J. H. Cochran.
Food Science and Biochemistry: W. P. Williams.
Forestry: K. Lehotsky.
Horticulture: T. L. Senn.
Poultry Science: B. D. Barnett.

College of Arts and Science:
Chemistry and Geology: F. I. Brownley.
English and Modern Languages: H. M. Cox.
Mathematics: C. V. Aucoin.
Physics: L. D. Huff.
Social Sciences: R. S. Lambert.
Air Science: D. R. Franklin.
Military Science: S. T. McDowell.

College of Engineering:
Engineering Research: S. G. Nicholas.
Ceramic and Metallurgical Engineering: G. C. Robinson.
Chemical Engineering: C. E. Littlejohn.
Civil Engineering: J. H. Moore.
Electrical Engineering: J. N. Thurston.
Engineering Graphics: D. W. Bradbury.
Engineering Mechanics: R. W. Moorman.
Industrial Engineering: E. Laitala.
Mechanical Engineering: A. D. Lewis.

School of Industrial Management and Textile Science:
Textile Research: T. D. Efland.
Textile Science: T. A. Campbell.
Industrial Management: C. Whitehurst.

COKER COLLEGE

HARTSVILLE, SOUTH CAROLINA 29550
Telephone: 332-8161.

Founded 1908.

President: Fenton Keyes.
Registrar: Dr. K. G. Kuehner.
Director of Admissions: S. L. Smith.
Librarian: Mrs. A. M. McNair.

The library contains 40,000 volumes.
Number of teachers: 33.
Number of students: 350 (approx.).

COLLEGE OF CHARLESTON

CHARLESTON, SOUTH CAROLINA

Founded 1770; Chartered 1785.

President: George D. Grice, a.m., ll.d.
Treasurer: J. E. Burges.
Dean: E. E. Towell, ph.d.
Registrar: (Vacant).
Librarian: Mary V. Powers, m.a., b.s.l.s.

Number of teachers: 24.
Number of students: 582.

COLUMBIA COLLEGE

COLUMBIA, SOUTH CAROLINA
Telephone: Area Code 803, PO 52491.
Founded 1854.

President: R. WRIGHT SPEARS.
Registrar: Mrs. RUTH LEITSEY.
Librarian: Mrs. JOHN ROGERS.

The library contains 38,000 volumes.
Number of teachers: 55.
Number of students: 800.

CONVERSE COLLEGE

SPARTANBURG, SOUTH CAROLINA
Telephone: 585-6423.
Founded 1889.

President: ROBERT T. COLEMAN, Jr.
Director of Admissions: Miss ALICE A. SUITER.
Librarian: Mrs. PHYLLIS B. CARTWRIGHT.

The library contains 70,000 volumes.
Number of teachers: 70.
Number of students: 750.

ERSKINE COLLEGE

DUE WEST, SOUTH CAROLINA 29639
Telephone: Area Code 803, 379-2215.
Founded 1839.

President: J. M. LESESNE.
Director of Admissions: D. G. PHILLIPS.
Librarian: Mrs. E. G. BOYCE.

The library contains 56,000 volumes.
Number of teachers: 49.
Number of students: 730.

FURMAN UNIVERSITY

GREENVILLE, SOUTH CAROLINA
Telephone: Greenville S.C. 246-3550.
Founded 1826.

President: GORDON W. BLACKWELL, PH.D.
Vice-President: F. W. BONNER, PH.D.
Registrar: C. L. RASOR, M.A.
Librarian: R. C. TUCKER, PH.D.

The library contains 98,000 volumes.
Number of teachers: 107.
Number of students: 1,480.
Publications: *University Magazine* (bi-monthly), *Studies* (semi-annual), *Paladin* (weekly), *The Echo* (literary, semi-annual).

DEANS:

University: F. W. BONNER, PH.D.
Students: E. E. HARRILL, PH.D.
Women: MARGUERITE M. CHILES, M.A.
Men: D. G. STOUT, M.A.
Graduate Studies: D. C. PULLEY, PH.D.
Evening Division: R. W. HEATWOLE, PH.D.

LANDER COLLEGE

P.O. BOX 725, GREENWOOD, SOUTH CAROLINA
Telephone: OR 9-2266.
Founded 1872.

President: Dr. B. M. GRIER.
Registrar: Mrs. R. A. HOLLINGSWORTH.
Librarian: Miss ELIZABETH C. WELBORN.

The library contains 32,000 volumes.
Number of teachers: 37.
Number of students: 600 (approx.).

LIMESTONE COLLEGE

GAFFNEY, SOUTH CAROLINA
Telephone: 489-7151
Gaffney via of Spartanburg.
Founded 1845.

President: A. J. EASTWOOD, PH.D.
Registrar: Miss JANICE DANNER.
Librarian: Mrs. ELIZABETH HINTON.

The library contains 30,000 volumes (approx.).
Number of teachers: 33.
Number of students: 500 (approx.).

NEWBERRY COLLEGE

NEWBERRY, SOUTH CAROLINA
Telephone: 276-5010.
Founded 1856.

President: A. G. D. WILES, PH.D., LITT.D., LL.D.
Registrar: J. C. ABRAMS.
Librarian: G. L. OLSEN.

The library contains 50,000 volumes.
Number of teachers: 58.
Number of students: 850.

PRESBYTERIAN COLLEGE

CLINTON, SOUTH CAROLINA
Telephone: 833-2820.
Founded 1880.

President: Dr. MARC C. WEERSING.
Dean of Students and Director of Admissions: Col. A. J. THACKSTON, Jr.
Librarian: Miss MARIAN BURTS.

The library contains 58,750 volumes.
Number of teachers: 42.
Number of students: 640.

SOUTH CAROLINA STATE COLLEGE

ORANGEBURG, SOUTH CAROLINA 29115
Telephone: 534-6560.
Founded 1896.

President: B. C. TURNER.
Registrar: Mrs. EDITH VAUGHN.
Librarian: Miss BARBARA J. WILLIAMS.

The library contains 71,445 volumes.
Number of teachers: 116.
Number of students: 2,356.

UNIVERSITY OF SOUTH CAROLINA

COLUMBIA, SOUTH CAROLINA 29208
Telephone: Alpine 765-3197.
Chartered 1801; Opened 1805.

President: THOMAS F. JONES, M.S., SC.D.
Dean of the University: W. H. PATTERSON, PH.D.
Treasurer: F. F. WELBOURNE, B.SC.
Director of Admissions and Registrations: R. E. GODFREY, ED.D.
Librarian: A. RAWLINSON.

The library contains 600,000 volumes.
Number of teachers: 423.
Number of students: 10,165.
Publications: Annual Bulletins of Schools and Colleges.

DEANS:

Women: ELIZABETH M. CLOTWORTHY, M.A.
Men: L. E. COOPER, M.S.
College of Arts and Science: H. W. DAVIS, PH.D.
School of Business Administration: J. A. MORRIS, PH.D.
School of Education: W. W. SAVAGE, PH.D.
College of Engineering: R. G. FELLERS, PH.D.
Graduate School: R. H. WIENEFELD, PH.D.
School of Journalism: G. B. BUCHANAN, A.B.
School of Pharmacy: R. W. MORRISON, M.S.
School of Law: R. McC. FIGG, Jr., LL.D.
School of Nursing: AMY E. VIGLIONE, M.A.
School of General Studies and Extension: N. P. MITCHELL, PH.D.

WINTHROP COLLEGE

ROCK HILL, SOUTH CAROLINA
Telephone: Area Code 803, 328-2471.
Founded 1886.

President: CHARLES S. DAVIS.
Registrar: W. DI LIVINGSTON.
Director of Admissions: CLARINA CORNWELL.
Librarian: HELEN J. HARRAR.

The library contains 190,000 volumes.
Number of teachers: 168.
Number of students: 3,200.

WOFFORD COLLEGE

SPARTANBURG, SOUTH CAROLINA 29301
Telephone: 585-4821.
Founded 1854.

President: Dr. CHARLES F. MARSH.
Registrar and Dean of Admissions: B. L. SCOGGINS.
Librarian: H. HUCKS, Jr.

The library contains 74,000 volumes.
Number of teachers: 56.
Number of students: 975.

SOUTH DAKOTA

AUGUSTANA COLLEGE

29TH AND SUMMIT, SIOUX FALLS, SOUTH DAKOTA 57102
Telephone: 336-0770.
Founded 1860.

President: Dr. CHARLES L. BALCER.
Registrar: Dr. I. B. HAUGE.

Director of Admissions: H. K. MELEMSETER.
Librarian: KORDILLIA JOHNSON.

The library contains 70,000 volumes.
Number of teachers: 104.
Number of students: 1,850.

BLACK HILLS STATE COLLEGE

SPEARFISH,
SOUTH DAKOTA 57783

Telephone: Area Code 605, 642-2939.

Founded 1883.

President: RUSSELL E. JONAS.
Registrar: Mrs. FREEDA SUMMERS.
Director of Admissions: N. MCARTHUR.
Librarian: Mrs. DORIS PHILLIPS.

The library contains 39,883 volumes.
Number of teachers: 70.
Number of students: 1,300.

DAKOTA WESLEYAN UNIVERSITY

MITCHELL, SOUTH DAKOTA

Telephone: 996-5685.

Founded 1885.

President: Dr. JACK J. EARLY.
Registrar: Dr. T. D. HENSON.
Librarian: Mrs. MILDRED EVRES.

The library contains 35,500 volumes.
Number of teachers: 41.
Number of students: 640.

HURON COLLEGE

HURON, SOUTH DAKOTA 57350

Telephone: Area Code 605, 352-6717.

Founded 1883.

President: Dr. DANIEL E. KERR.
Registrar: Dr. P. H. MERGLER.
Director of Admissions: F. GEORGE.
Librarian: Miss SELMA EVENSON.

The library contains 38,840 volumes.
Number of teachers: 35.
Number of students: 517.

MOUNT MARTY COLLEGE

1100 WEST 5TH, YANKTON,
SOUTH DAKOTA 57078

Telephone: 665-2507.

Founded 1936.

President: Sister M. EVANGELINE ANDERSON.
Registrar: Sister M. AIDAN BOURKE.
Librarian: Sister M. DENISE STEVENS.

The library contains 30,000 volumes.
Number of teachers: 33 full-time, 6 part-time.
Number of students: 380 full-time, 150 part-time.

NORTHERN STATE COLLEGE

12TH AVENUE AND J STREET,
ABERDEEN, SOUTH DAKOTA

Telephone: 225-1110.

Founded 1901.

President: J. HOWARD KRAMER.
Registrar: R. VAN BEEK.
Librarian: R. ELFTMANN.

The library contains 70,000 volumes.
Number of teachers: 110.
Number of students: 2,000.

SIOUX FALLS COLLEGE

SIOUX FALLS,
SOUTH DAKOTA 57101

Telephone: Area Code 605, 336-2850.

Founded 1883.

President: REUBEN P. JESCHKE.
Registrar: A. M. GOWAN.
Librarian: H. O. ZENNER.

The library contains 40,000 volumes.
Number of teachers: 37 full-time, 8 part-time.
Number of students: 850.

SOUTH DAKOTA SCHOOL OF MINES AND TECHNOLOGY

RAPID CITY, SOUTH DAKOTA

Telephone: 343-1600.

Founded 1885.

President: F. L. PARTLO.
Registrar: R. H. MOORE.
Librarian: W. MCGRATH.

The library contains 28,073 volumes.
Number of teachers: 82.
Number of students: 987.

SOUTH DAKOTA STATE UNIVERSITY

COLLEGE STATION,
BROOKINGS, SOUTH DAKOTA

Founded as Dakota Agricultural College 1883, University 1964.

President: H. M. BRIGGS, B.S., M.S., PH.D.
Assistant to President, Director of Development: D. PEARSON.
Director of Finance: W. A. BUGG.
Director of Admissions and Records: H. JOHNSON (acting).
Dean of Academic Affairs: H. S. BAILEY.
Dean of Student Personnel: R. Y. CHAPMAN, M.A.
Librarian: A. G. TRUMP, A.M.

The library contains 150,000 volumes.
Number of teachers: 336 full-time.
Number of students: 3,722.

DEANS:

Agriculture: O. G. BENTLEY, PH.D.
Engineering: M. L. MANNING, M.S.
Science and Applied Arts: F. G. SCHULTZ, PH.D.
Nursing: INEZ G. HINSVARK, M.A.
Pharmacy: G. C. GROSS, PH.D.
Home Economics: EVELYN HOLLEN, PH.D. (acting).
Women: VIVIAN V. VOLSTORFF, PH.D.

SOUTHERN STATE COLLEGE

SPRINGFIELD, SOUTH DAKOTA

Telephone: 101.

Founded 1881.

President: ALLEN R. MILLAR.
Registrar: M. E. BURGI.
Librarian: J. HANSON.

The library contains 20,000 volumes.
Number of teachers: 55.
Number of students: 732.

YANKTON COLLEGE

YANKTON, SOUTH DAKOTA 57078

Telephone: Area Code 605, 665-3661.

Founded 1881.

President: DONALD B. WARD, D.D., LL.D.
Registrar: D. BAKER.
Librarian: LUCILLE ELDRIDGE.

The library contains 45,000 volumes.
Number of teachers: 50.
Number of students: 625.

UNIVERSITY OF SOUTH DAKOTA

VERMILLION, SOUTH DAKOTA

Telephone: Market 4-4411.

Founded 1882.

President: I. D. WEEKS, A.M.
Business Manager: F. E. MUHMEL, B.B.A.
Registrar: Mrs. IRENE BURTON, A.M.
Librarian: RUTH E. BERGMAN, A.M.

The library contains 188,522 volumes.
Number of teachers: 175.
Number of students: 1,998 men, 926 women, total 2,924.

DEANS:

College of Arts and Sciences: E. W. HARRINGTON, PH.D.
School of Business: R. F. PATTERSON, PH.D.
School of Education: M. W. DELZELL, PH.D.
College of Fine Arts: W. M. LEE, PH.D.
Graduate School: W. W. GUTZMAN, PH.D.
School of Law: J. D. SCARLETT, LL.B.
School of Medicine: W. L. HARD, PH.D.
School of Nursing: Mrs. FLORENCE KUNTZ, M.S.

TENNESSEE

AUSTIN PEAY STATE COLLEGE

CLARKSVILLE, TENNESSEE 37040

Telephone: 647-3145.

Founded 1927.

President: JOE MORGAN.
Registrar: M. P. BOWMAN.
Librarian: Miss JOHNNIE GIVENS.

The library contains 63,650 volumes.
Number of teachers: 113.
Number of students: 2,385.

BELMONT COLLEGE

1900 BELMONT BOULEVARD,
NASHVILLE, TENNESSEE 37203

Telephone: 292-0970.

Founded 1951.

President: HERBERT C. GABHART.
Registrar: R. E. UNDERWOOD.
Librarian: Mrs. PAT P. BATES.

The library contains 40,000 volumes.
Number of teachers: 55.
Number of students: 1,000 (approx.).

BETHEL COLLEGE
McKENZIE, TENNESSEE
Telephone: 352-2557.
Founded 1842.

President: ROY N. BAKER.
Dean: R. BURROUGHS.
Librarian: MYRTLE BOULDIN.

The library contains 35,000 volumes.
Number of teachers: 32.
Number of students: 575.

CHRISTIAN BROTHERS COLLEGE
650 EAST PARKWAY SOUTH,
MEMPHIS, TENNESSEE 38104
Telephone: 272-2278
Founded 1871.

President: Bro. LUKE M. GRANDE, F.S.C., PH.D.
Registrar: Bro. HOWARD PETER, F.S.C., PH.D.
Librarian: Mrs. LYDIA R. LEE.

The library contains 30,000 volumes.
Number of teachers: 54 full-time, 9 part-time.
Number of students: 925.

DAVID LIPSCOMB COLLEGE
NASHVILLE, TENNESSEE 37203
Telephone: Area Code 615, 269-5661.
Founded 1891.

President: ATHENS C. PULLIAS.
Dean of Admissions: M. W. CRAIG.
Librarian: E. S. GLEAVES.

The library contains 65,000 volumes.
Number of teachers: 85.
Number of students: 1,548.

FISK UNIVERSITY
NASHVILLE 8, TENNESSEE
Opened as Fisk School 1866; Chartered as University 1867.

President: STEPHEN J. WRIGHT.
Comptroller: I. T. CRESWELL.
Registrar: J. K. PETWAY.

The library contains 152,279 volumes.
Number of teachers: 74.
Number of students: 969.
Publication: *Bulletin* (quarterly).

DEANS:

Men: R. H. HUGHES.
Women: BLANCHE M. COHEN.
Senior College: G. N. REDD.
Summer Session: T. A. LOVE.

GEORGE PEABODY COLLEGE FOR TEACHERS
NASHVILLE 5, TENNESSEE
Founded 1875.

President: F. C. ROBB.
Administrative Vice-President: E. B. HEILMAN.
Academic Vice-President: H. A. MOORE.
Dean of Graduate School: C. B. HUNT.
Dean of Undergraduate College: D. J. MULLEN.
Dean of Admissions: W. C. JONES.

The library contains 1,000,000 volumes and publications.
Number of teachers: 150.
Number of students: 2,000.

KNOXVILLE COLLEGE
901 COLLEGE STREET,
KNOXVILLE, TENNESSEE
Telephone: 546-0751.
Founded 1875.

President: Dr. JAMES A. COLSTON.
Registrar: Miss FRANCES E. CLARK.
Librarian: Mrs. LOIS CLARK.

The library contains 30,000 volumes.
Number of teachers: 52.
Number of students: 843.

LAMBUTH COLLEGE
JACKSON, TENNESSEE
Telephone: Area Code 901, 427-6743.
Founded 1843.

President: JAMES S. WILDER, Jr.
Registrar: Miss DOROTHY DODSON.
Dean: W. H. WHYBREW.
Librarian: Miss CARRIE WEST.

The library contains 35,268 volumes.
Number of teachers: 41.
Number of students: 738.

LANE COLLEGE
501 LANE AVENUE,
JACKSON, TENNESSEE
Telephone: 427-0251.
Founded 1882.

President: CHESTER A. KIRKENDOLL.
Registrar: G. L. THACKER.
Librarian: Mrs. CLARA D. HEWITT.

The library contains 30,228 volumes.
Number of teachers: 40.
Number of students: 675.

LE MOYNE COLLEGE
807 WALLSER AVENUE,
MEMPHIS, TENNESSEE 38126
Telephone: 948-6626.
Founded 1870.

President: HOLLIS F. PRICE.
Registrar: MARGARET McWILLIAMS.
Librarian: MAE I. FITZGERALD.

The library contains 32,000 volumes.
Number of teachers: 35.
Number of students: 645.

LINCOLN MEMORIAL UNIVERSITY
HARROGATE, TENNESSEE 37752
Telephone: Cumberland Gap 4371.
Founded 1897.

President: H. LAMARR RICE.
Dean of Admissions: C. E. WEST.
Librarian: R. B. CLARK.

The library contains 51,000 volumes.
Number of teachers: 30.
Number of students: 550.

MARYVILLE COLLEGE
MARYVILLE, TENNESSEE
Telephone: Area Code 615, 982-6412.
Founded 1819.

President: Dr. JOSEPH J. COPELAND.
Registrar: Miss VIOLA LIGHTFOOT.
Director of Admissions: W. F. TAYLOR.
Librarian: Miss VIRGINIA TURRENTINE.

The library contains 75,600 volumes.
Number of teachers: 57.
Number of students: 800.

THE MEMPHIS ACADEMY OF ARTS
OVERTON PARK,
MEMPHIS, TENNESSEE 38112
Telephone: Area Code 901, 272-1762.
Founded 1936.

Director: EDWIN C. RUST.
Registrar: Mrs. ANNA FARRIS.
Librarian: MARY LEE HALL.

The library contains 5,000 volumes.
Number of teachers: 12 full-time, 20 part-time.
Number of students: 125 full-time, 250 part-time.

MEMPHIS STATE UNIVERSITY
MEMPHIS 11, TENNESSEE
Founded 1909.

President: C. C. HUMPHREYS.
Academic Dean: J. B. MORRIS.
Dean of Students: R. M. ROBINSON.
Dean of Women: FLORA RAWLS.
Bursar: L. NEWPORT.
Registrar: R. P. CLARK.
Librarian: E. L. BROWN.

Number of teachers: 390.
Number of students: 7,850.

DIRECTORS:

Graduate School: Dr. J. W. RICHARDSON, Jr.
School of Arts and Sciences: Dr. W. R. SMITH.
School of Business Administration: H. J. MARKLE.
School of Education: S. H. JOHNSON.
School of Law: R. D. COX (acting).
Evening Division: C. M. STREET.

MIDDLE TENNESSEE STATE UNIVERSITY
MURFREESBORO, TENNESSEE.
Telephone: 896-0680.
Founded 1911.

President: Dr. QUILL E. COPE.
Registrar: J. WEEMS.
Librarian: Miss CATHERINE CLARK.

The library contains 113,000 volumes.
Number of teachers: 228.
Number of students: 4,578.

MILLIGAN COLLEGE
TENNESSEE 37682
Telephone: Johnson City, Tennessee 928-1165.
Founded 1867 (reorganised 1881).

President: DEAN E. WALKER.

Dean of Admissions: G. OAKES.
Librarian: J. W. NETH, Jr.

The library contains 39,039 volumes.
Number of teachers: 45.
Number of students: 800 (approx.).

SOUTHERN MISSIONARY COLLEGE

COLLEGEDALE, TENNESSEE
Telephone: 396-2111.
Founded 1892.

President: Dr. C. N. REES.
Registrar: Dr. C. F. W. FUTCHER.
Librarian: S. D. BROWN.

The library contains 41,083 volumes.
Number of teachers: 71.
Number of students: 1,043.

SOUTHWESTERN AT MEMPHIS

2000 NORTH PARKWAY,
MEMPHIS, TENNESSEE 38112
Telephone: 274-1800.
Founded 1848.

President: JOHN D. ALEXANDER, Jr.
Registrar: J. TURPIN.
Dean of Admissions: R. M. ALLEN.
Librarian: A. M. JOHNSON.

The library contains 100,160 volumes.
Number of teachers: 73 full-time.
Number of students: 957.

TENNESSEE TECHNOLOGICAL UNIVERSITY

COOKEVILLE, TENNESSEE
Telephone: 526-2181.
Founded 1915.

President: EVERETT DERRYBERRY.
Dean of Admissions: G. H. MASSEY.
Librarian: C. P. SNELGROVE.

The library contains 200,000 volumes.
Number of teachers: 225.
Number of students: 5,100.

TENNESSEE WESLEYAN COLLEGE

POST OFFICE BOX 430,
ATHENS, TENNESSEE 37303
Telephone: Area Code 615, 745-2274.
Founded 1857.

President: Dr. FRANK GULLEY, Jr. (acting).
Registrar and Dean of Admissions: P. RIVIERE.
Librarian: LOUISE HARMS.

The library contains 36,057 volumes.
Number of teachers: 41.
Number of students: 714.

TUSCULUM COLLEGE

GREENEVILLE, TENNESSEE
Telephone: 615—628-3111.
Founded 1794.

President: Dr. DOUGLAS G. TROUT.
Registrar: J. R. RODMAN.

The library contains 31,000 volumes.
Number of teachers: 30.
Number of students: 500.

UNION UNIVERSITY

JACKSON, TENNESSEE
Telephone: 422-2576.
Founded 1825.

President: Dr. F. E. WRIGHT.
Dean of Admissions: Dr. H. HARRIS.
Librarian: Miss RUTH GIBBONS.

The library contains 36,000 volumes.
Number of teachers: 53.
Number of students: 950.

UNIVERSITY OF CHATTANOOGA

CHATTANOOGA, TENNESSEE
Telephone: 226-0124.
Founded 1886.

President: LEROY A. MARTIN.
Comptroller: R. W. FENIX.
Provost: A. W. EBERLE.
Librarian: A. H. BOWMAN.

Number of teachers: 140, including 30 professors.
Number of students: 1,618 men, 1,015 women, total 2,633.
Publication: *Bulletin.*

DEANS:

School of Arts and Sciences: J. W. LIVINGOOD.
School of Applied Arts: A. W. EBERLE (acting).
Conservatory of Music: H. J. CADEK.
Evening College: G. LE R. BUSHEY.
Students: R. C. MILDRAM.

UNIVERSITY OF THE SOUTH

(Protestant Episcopal Church)
SEWANEE, TENNESSEE
Telephone: 615—598-5667.
Chartered 1858.

Chancellor: Rt. Rev. C. C. J. CARPENTER, D.D.
Vice-Chancellor: E. MCCRADY, PH.D.
Provost: G. S. BRUTON, PH.D.
Treasurer: D. L. VAUGHAN, Jr., B.S.
Librarian: W. G. HARKINS, B.S.

The library contains 132,280 volumes.
Number of teachers: College 72, Seminary 10.
Number of students: 865.
Publications: *Sewanee Review, St. Luke's Journal of Theology.*

DEANS:

College of Arts and Sciences: R. S. LANCASTER, PH.D.
Graduate School of Theology: Rev. M. H SHEPHERD, PH.D.
School of Theology: Rev. G. M. ALEXANDER, D.D.

UNIVERSITY OF TENNESSEE

KNOXVILLE, TENNESSEE

Chartered 1794 as Blount College. Name changed by the legislature 1840 to East Tennessee University, and in 1879 to The University of Tennessee. Colleges at Martin, Nashville and Memphis.

President: ANDREW D. HOLT, M.S., LL.D., M.D.
Dean of Admissions: A. T. POUNCEY, A.M., PH.D.
Treasurer: J. J. WALKER, B.S.
Librarian: W. H. JESSE, A.M.

Number of teachers: 1,660.
Number of students: Knoxville, Memphis, Martin and Nashville: 20,670.
Publications: *The University Record*, Extension Series (four to six times a year), *News Letter* (monthly, except May, June, July and December).

DEANS:

Graduate School: HILTON A. SMITH.
Students: R. E. DUNFORD, A.M., PH.D.
Women: MARGARET L. CUNINGGIM, A.M., ED.D.
Admissions and Records: A. T. POUNCEY.
College of Agriculture—Units: Dr. W. PENDERGRASS, M.S., D.P.A.
Teaching Division: N. D. PEACOCK, M.S.A., PH.D. (*Vice-Dean*).
College of Business Administration: A. E. WARNER, M.S., PH.D.
College of Medicine: M. K. CALLISON.
College of Dentistry: S. PETERSON.
College of Education: E. C. MERRILL, Jr.
College of Engineering: C. H. WEAVER, M.S., PH.D.
College of Home Economics: LURA M. ODLAND.
College of Law: H. C. WARNER, J.D.
College of Liberal Arts: A. H. NIELSEN, M.S., PH.D.
College of Pharmacy: S. D. FEURT.
School of Biological Sciences: R. H. ALDEN.
University Extension: J. E. ARNOLD, A.M., ED.D.
Martin Branch: P. MEEK, M.S.
Memphis Branch: H. F. MARSH (*Vice-President*).
School of Social Work: SUE N. SPENCER, M.S. (*Director*).
School of Basic Medical Sciences: R. H. ALDEN, PH.D.
College of Nursing: RUTH N. MURRY, G.N., A.M.

VANDERBILT UNIVERSITY

NASHVILLE, TENNESSEE 37203
Telephone: Area Code 615, 254-5411.
Founded 1873.

Chancellor: ALEXANDER HEARD, PH.D.
Vice-Chancellor: R. R. PURDY, M.A., PH.D.
Treasurer: E. S. GARDNER, B.A.
Secretary: R. A. MCGAW.
Registrar: W. O. BATTS, Jr., PH.D.
Librarian: D. E. KASER, M.A., PH.D.

Number of teachers: 940.
Number of students: 4,615.

DEANS:

Graduate School: R. LAGEMANN, PH.D., D.SC.
College of Arts and Science: E. B. FIELDS, M.A., PH.D.
School of Engineering: R. S. ROWE, M.S., M.E., D.E.
Divinity School: J. SELLERS, M.S., PH.D.
School of Law: J. W. WADE, LL.M., S.J.D.

School of Medicine: R. BATSON, M.D.
School of Nursing: ALMA E. GAULT, PH.B.
Institutional Relations: L. B. BEACH, M.A., PH.D.
Admissions: T. D. YOUNG, PH.D.
Men: S. F. BOUTWELL, M.A.T.
Women: Miss NORA C. CHAFFIN, M.A., PH.D.
Medical Students: F. T. BILLINGS, M.D.

PROFESSORS:

ADEN, J. M., M.A., PH.D., English
BAKER, W. R., Jr., Mechanical Engineering
BASS, A. D., M.S., M.D., Pharmacology
BATSON, R., M.D., Pædiatrics
BAYER, B. M., M.S., Mechanical Engineering
BAYER, D. S., M.D., Clinical Obstetrics and Gynæcology
BEACH, L. B., M.A., PH.D., English
BERQUIST, C. R. B. S., Naval Science
BILLINGS, F. T., M.D., Medicine
BLEIBERG, G., Doctor en Filosofia y Letras, Spanish
BLOCH, I., M.S., PH.D., Physics
BLOOD, F. R., PH.D., Biochemistry
BLUH, O., PH.D., D.SC., Physics
BOGLE, R. B., D.D.S., Clinical Dental Surgery
BONNEY, C. H., B.S. IN C.E., Highway Engineering
BOYCE, M. G., M.S., PH.D., Mathematics
BRAND, J. C. D., PH.D., D.SC., Chemistry
BRADLEY, H. W., M.A., PH.D., History
BUCHANAN, R. N., M.D., Clinical Dermatology
BURCH, J. C., M.D., Gynæcology
BUSH, M. T., PH.D., Pharmacology
CAMPBELL, E. Q., PH.D., Sociology
CHAFFIN, NORA C., M.A., PH.D., History
CHEATHAM, E. E., LL.D., D.C.L., Law
CHRISTIE, A., M.D., Pædiatrics
COLOWICK, S. P., M.S., PH.D., Microbiology
CONIGLIO, J. G., PH.D., Biochemistry
CROMWELL, R. L., Psychology in Psychiatry
CROUCH, R. L., Jr., M.A., Military Science
CUNNINGHAM, EILEEN R., Biochemistry
DANIEL, R. A., Jr., M.D., Clinical Surgery
DARBY, W. J., PH.D., M.D., Biochemistry
DAVIES, J., M.D., M.A., Anatomy
DELZELL, C. F., PH.D., History
DE VILBISS, C. F., M.ENG., Structural Engineering
DRAGNICH, A. N., M.A., PH.D., Political Science
DUNCAN, E.. H., M.A., PH.D., English
FELS, R. T, M.A., PH.D., Economics
FIELD, L., PH.D., Chemistry
FINNEY, C. L., M.A., PH.D., English
FLYGT, S. G., M.A., PH.D., German
FRASER, R. A., English
FREEMAN, J. L., PH.D., Political Science
GEORGESCU-ROEGEN, N., PH.D., Economics
GILMER, R. L., M.A. IN N.ED., Medical Nursing
GLASSE, J. D., D.D., Practical Theology
GLENN, W. D., B.E., Civil Engineering
GRAHAM, W. W., PH.D., Applied Mathematics
GRANT, D. R., PH.D., Political Science
GRANTHAM, D. W., Jr., PH.D., History
HARDACRE, P. H., PH.D., History
HARDIE, R. H., PH.D., Physics and Astronomy
HARRELSON, W., TH.D., Old Testament
HARTMAN, P. J., LL.M., JUR.SC.D., Law
HARTMANN, R. C., M.D., Medicine
HEARD, A., PH.D., Political Science
HENDRICKSON, J. R., M.S., Applied Mechanics
HEREFORD, JULIA, M.A., Nursing
HILLMAN, J. W., M.D., Orthopædic Surgery
HOLLADAY, W. G., PH.D., Physics
HYATT, J. P., M.A., PH.D., Old Testament
INNES, K. K., M.SC., PH.D., Chemistry
IZARD, C. E., PH.D., Psychology
JACOBS, D., M.S., Mechanical Engineering
JEWELL, W. B., PH.D., Geology
JONES, E. A., Physics
JONES, M. M., PH.D., Inorganic Chemistry
KASER, D ., A.M.L.S., PH.D., Bibliography
KING, W. L., S.T.M., PH.D., History of Religions
KIRBY, J. C., Jr., LL.M., Law
KLATTE, E. C., M.D., Radiology
LAGEMANN, R. T., M.S., PH.D., Physics
LANCASTER, C. M., M.A., French and Italian
LEACH, D. E., PH.D., History
LEISERSON, A., PH.D., Political Science
LERMAN, L. S., Molecular Biology
LIDDLE, G. W., M.D., Medicine
LUNDBERG, G., M.A., PH.D., Applied Mathematics
MCCLELLAM, G. S., M.D., Clinical Gynæcology
MCCONNELL, F., PH.D., Audiology
MCKIE, J. W., M.S., PH.D., Economics and Business Administration
MCSWAIN, B., M.D., Surgery
MARCHANT, A., PH.D., History
MEACHAM, W. F., M.D., Clinical Neurological Surgery
MEYER, H., PH.D., German
NAJJAR, V. A., M.D., Microbiology
NEWMAN, E. V., M.D., Experimental Medicine
NICHOLLS, W. H., M.A., PH.D., Economics
NORTON, H. A., M.A., PH.D., Church History
NUNNALLY, J. C., PH.D., Psychology
ORR, W. F., Jr., M.D., Psychiatry
OVERALL, J. C., M.D., Clinical Pædiatrics
PAINE, T. F., Jr., M.D., Medicine
PARK, C. R., B.A., M.D., Physiology
PEARSON, D. E., PH.D., Chemistry
PHILLIPS, D., M.A., PH.D., History
PITTINGER, C. B., M.D., Anæsthesiology
PURDY, R. R., M.A., PH.D., English
QUINN, R. W., M.D., C.M., Preventive and Social Medicine
RANSOM, H. H., PH.D., Political Science
REGEN, E. M., M.D., Clinical Orthopædic Surgery
RHAMY, R. K., M.D., Urology
RIVEN, S. S., M.D., C.M., Clinical Medicine
ROADY, T. G., M.A., J.D., Law
ROBERTS, W. H., PH.D., Spanish
ROGERS, D. E., M.D., Medicine
ROOS, C. E., PH.D., Physics
ROWAN, W. H., B.E., C.E., Soil and Fluid Mechanics
ROWE, R. S., M.S., M.ENG., D.ENG., Civil Engineering
RYSAN, J., PH.D., German and Russian
SANDERS, P. H., LL.B., Law
SCHUMANN, F., M.S., PH.D., Electrical Engineering
SCOTT, H. W., Jr., M.D., Surgery
SELLERS, J. E., PH.D., Christian Ethics and Theology
SHAHAN, E. P., M.B.A., PH.D., Economics and Business Administration
SHANKS, E. B., PH.D., Mathematics
SHAPIRO, J. L., M.D., Pathology
SILBERMAN, L. H., M.H.L., D.H.L., Jewish Literature and Thought
SMEDLEY, T. A., B.A., J.D., Law
SMITH, H. C., M.D., Clinical Ophthalmology
SPIELBERGER, C. D., PH.D., Psychology
SPROFKIN, B. E., M.S., M.D., Clinical Neurology
STASON, E. B., J.D., Law
STEINE, D., M.B.A., Business Administration
STEPHENSON, C. V., M.A., PH.D., Electrical Engineering
STOW, H. L., PH.D., Classics
STRAYHORN, W. D., M.D., Clinical Medicine
STRECKER, R. L., LL.M., Law
STUMPF, S. E., PH.D., Philosophy
SULLIVAN, W. L., M.F.A., English
SULSER, F., M.D., Pharmacology
SUTHERLAND, E. W., Jr., M.D., Physiology
SWINT, H. L., M.A., PH.D., History
TANG, A. M., PH.D., Economics and Business Administration
TAYLOR, O. H., PH.D., Economics
THISTLEWAITE, D. L., PH.D., Psychology
THOMAS, C. S., M.D., Clinical Medicine
THOMAS, E. W., PH.D., Spanish and Portuguese
THREADGILL, W. D., PH.D., Chemical Engineering
THUNE, L. E., M.A., PH.D., Psychology
TOUSTER, O., M.A., PH.D., Biochemistry
TRAUTMAN, H. L., LL.B., B.A., Law
WADE, J. W., LL.M., S.J.D., Law
WARD, J. W., PH.D., M.D., Anatomy
WEAVER, H., M.A., PH.D., History
WEINSTEIN, E. A., M.A., PH.D., Sociology
WESTFIELD, F. M., PH.D., Economics
WHITACRE, F. E., M.D., Obstetrics and Gynæcology
WILLEMS, E., PH.D., Anthropology
WILLIAMS, E. L., M.D., Clinical Gynæcology and Obstetrics
WILSON, C. W., Jr., M.S., PH.D., Geology
WOLF, F. T., M.A., PH.D., Biology
WRIGHT, J. E., M.A., Speech and Drama

TEXAS

ABILENE CHRISTIAN COLLEGE (Church of Christ)

STATION A.C.C., ABILENE, TEXAS

Founded 1906.

President: DON H. MORRIS.
Dean: W. H. ADAMS.
Bursar: L. L. SMITH.
Registrar: K. RASCO.
Summer Session: O. FILBECK.

The library contains 112,000 volumes.
Number of teachers: 173.
Number of students: 2,888.

AUSTIN COLLEGE

SHERMAN, TEXAS

Founded 1849.
Four-year Liberal Arts Co-educational Christian College.

President: JOHN D. MOSELEY.
Dean: L. L. NUSSBAUM.
Comptroller: C. F. PARKER.
Registrar: J. F. BRYANT.
Dean of Students: R. W. CULP.

Number of teachers: full-time, 77; part-time, 13.

Number of students: full-time, 829; part-time, 294.

BAYLOR UNIVERSITY

WACO, DALLAS AND HOUSTON, TEXAS

Telephone: Plaza 3-4511.
Telegraphic Address:
Baylor University, Waco, Texas.

(Baptist General Convention of Texas).

Chartered 1845 under Republic of Texas by Texas Baptist Educational Society at Independence, Texas; consolidated 1886 with Waco University and came under control of Baptist General Convention of Texas.

President: ABNER V. MCCALL, LL.M., LL.D.
Vice-President: R. J. MCKNIGHT, LL.D.
Provost: M. S. CARROLL, PH.D.
Treasurer: R. J. MCKNIGHT, LL.D.
Secretary: G. YATES, B.A.
Registrar: A. B. LEE, M.ED., LL.D.
Dean of Instruction: G. M. SMITH, PH.D.
Librarian: J. H. ROGERS, M.LIB.SC.
Curator: CORNELIA M. SMITH, M.A., PH.D.

Number of teachers: 308.
Number of students: 3,899 men, 3,161 women, total 7,060.
Publications: *Bulletin* (quarterly), *Law Review*, *Business Studies* (quarterly), *Baylor Line*, *Baylor Geological Studies*, *Journal of Church and State*, *Iscani*.

DEANS:

School of Education: M. L. GOETTING, PH.D.
School of Business: A. S. LANG, PH.D.
School of Law: A. S. MCSURAIN, LL.M.
School of Music: D. A. STERNBERG.
School of Nursing: Mrs. GEDDES MCLAUGHLIN, R.N., M.P.H.

College of Dentistry, Dallas.
College of Medicine, Houston.
School of Nursing, Waco.

EAST TEXAS BAPTIST COLLEGE

1209 N. GROVE STREET,
MARSHALL, TEXAS 75670
Telephone: Area Code 214, 925-7963.
Founded 1912.

President: HOWARD C. BENNETT.
Registrar: Mrs. MARGARET FROMM.
Librarian: E. M. ADAMS, Jr.

The library contains 55,000 volumes.
Number of teachers: 35.
Number of students: 600.

EAST TEXAS STATE UNIVERSITY

EAST TEXAS STATION,
COMMERCE, TEXAS
Telephone: 886-3667.
Founded 1889.

President: Dr. JAMES G. GEE.
Registrar: J. S. WINDELL.
Librarian: Dr. J. E. BURKE.

The library contains 63,565 volumes.
Number of teachers: 240.
Number of students: 6,000 (approx.).

HARDIN-SIMMONS UNIVERSITY

DRAWER A, H-SU STATION,
ABILENE, TEXAS
Telephone: OR 4-7281.
Founded 1891.

President: Dr. JAMES H. LANDES.
Registrar: Mrs. MADGE GRBA.
Dean of Admissions: Dr. W. O. BEAZLEY.
Librarian: Miss MABEL WILLOUGHBY.

The library contains 100,000 volumes (approx.).
Number of teachers: 127.
Number of students: 2,564.

HOWARD PAYNE COLLEGE

BROWNWOOD, TEXAS 76801
Telephone: 645-2601.
Founded 1889.

President: Dr. GUY NEWMAN.
Registrar: Mrs. DORA M. HERRING.
Librarian: Mrs. CORRINE SHIELDS.

The library contains 80,000 volumes.
Number of teachers: 76.
Number of students: 1,200.

HUSTON-TILLOTSON COLLEGE

1820 EAST 8TH STREET,
AUSTIN, TEXAS 78722
Telephone: GReenwood 6-6904.
Founded 1877.

President: JOHN T. KING.
Registrar: J. L. MCNEALY.
Librarian: Mrs. OLIVE D. BROWN.

The library contains 34,000 volumes.
Number of teachers: 40.
Number of students: 662.

INCARNATE WORD COLLEGE

4301 BROADWAY,
SAN ANTONIO, TEXAS
Telephone: TA 6-3292.
Chartered 1881.

President: S. THOMAS GREENBURG, PH.D.
Registrar: Sister M. ANTONINUS.
Librarian: Sister M. RAPHAEL.

The library contains 64,919 volumes.
Number of teachers: 95.
Number of students: 1,303.

MCMURRY COLLEGE

ABILENE, TEXAS 79605
Telephone: Owen 2-4130.
Founded 1923.

President: Dr. GORDON R. BENNETT.
Registrar: J. VANNOY.
Librarian: Miss PERMA RICH.

The library contains 66,000 volumes.
Number of teachers: 85.
Number of students: 1,717.

MARY HARDIN-BAYLOR COLLEGE

BELTON, TEXAS 76514
Telephone: WE 9-5811.
Founded 1845.

President: Dr. ARTHUR K. TYSON.
Registrar: Dr. D. ANTHONY.
Librarian: Dr. MADGE LEWIS.

The library contains 50,000 volumes.
Number of teachers: 49.
Number of students: 900–1,000.

MIDWESTERN UNIVERSITY

WICHITA FALLS, TEXAS
Founded 1922.

President: Dr. TRAVIS A. WHITE.
Vice-President: Dr. D. L. LIGON.
Dean: Dr. N. W. QUICK.
Registrar: BETTY BULLOCK.
Librarian: W. C. BLANKENSHIP.

Number of teachers: 72.
Number of students: 1,924.
Publications: *The Wichitan* (weekly), *The Wai-Kun* (annually), *The Owakiya*.

DEANS:

Graduate Division: Dr. N. W. QUICK.
Students: W. A. YARDLEY.

NORTH TEXAS STATE UNIVERSITY

DENTON, TEXAS 76203
Telephone: 387-4511.
Founded 1890.

President: JAMES C. MATTHEWS, PH.D.
Vice-President: J. J. SPURLOCK, PH.D.
Registrar: G. STOTT, M.ED.
Director of Admissions: J. E. TOMPKINS, M.A.
Director of Placements: E. H. FARRINGTON, M.A.
Librarian: D. A. WEBB, PH.D.

The library contains 500,000 volumes.
Number of teachers: 467 full-time, 195 part-time.
Number of students: 11,878.

DEANS:

Men: W. G. WOODS, M.A.
Women: IMOGENE B. DICKEY, PH.D.
Graduate School: R. B. TOULOUSE, PH.D.
Education: A. W. BLAIR, ED.D.
Arts and Sciences: F. H. GAFFORD, PH.D.
Music: K. N. CUTHBERT, ED.D.
Home Economics: FLORENCE I. SCOULAR, PH.D.
Business Administration: O. J. CURRY, PH.D.

OUR LADY OF THE LAKE COLLEGE

411 S.W. 24TH STREET,
SAN ANTONIO, TEXAS 78207
Telephone: Area Code 512, GE 2-5255.
Founded 1896.

President: JOHN L. MCMAHON.
Dean of Admissions: Sister M. LOUISETTE, C.D.P.
Librarian: Sister MARGARET ROSE, C.D.P.

The library contains 68,772 volumes.
Number of teachers: 96.
Number of students: 1,143.

PAN AMERICAN COLLEGE

EDINBURG, TEXAS
Telephone: DUdley 3-3891.
Founded 1927, reorganised 1952.

President: Dr. RALPH SCHILLING.
Dean of Admissions: R. BURKS.
Librarian: L. GOWER.

The library contains 56,000 volumes.
Number of teachers: 75.
Number of students: 2,354.

RICE UNIVERSITY
(formerly Rice Institute)
P.O. BOX 1892, HOUSTON 1, TEXAS
Founded 1891.

President: KENNETH S. PITZER, PH.D., D.SC.
Chancellor: C. CRONEIS, PH.D., LL.D., D.SC., D.ENG.
Dean of Graduate Studies: G. H. RICHTER, PH.D.
Director of Admissions: J. B. GILES, M.A.
Registrar: J. C. MOREHEAD, B.ARCH.
Librarian: H. CRAIG, Jr., PH.D.
Dean of Humanities: P. A. WADSWORTH, PH.D.
Dean of Engineering: F. R. BROTZEN, PH.D.
Dean of Students: S. W. HIGGINBOTHAM, PH.D.
Dean of Women: ALMA L. LOWE, PH.D.

The library contains 475,000 volumes.
Number of teachers: 354.
Number of students: 1,804 men, 438 women, total 2,242.
Publications: *Journal of Southern History* (quarterly), *Studies in English Literature* 1500-1900 (quarterly), *Rice University Studies, Austrian History Yearbook.*

PROFESSORS:

ADAMS, J. A. S., PH.D., Geology
AKERS, W. W., PH.D., Chemical Engineering
AUSTIN, W. J., PH.D., Civil Engineering
AWAPARA, J., PH.D., Biochemistry
BECKMANN, H. K., PH.D., Mechanical Engineering
BOURGEOIS, A., French
BOURNE, H. C., D.SC., Electrical Engineering
BRAY, H. E., PH.D., Mathematics
BROTZEN, F. R., PH.D., Mechanical Engineering
CAMDEN, CARROLL, PH.D., English
CAUDILL, W. W., M.ARCH., Architecture
CHAPMAN, A. J., PH.D., Mechanical Engineering
CHILLMAN, J., Jr., F.A.A.R., Architecture
CLASS, C. M., PH.D., Physics
CRAIG, H., Jr., PH.D., History
CRONEIS, C., PH.D., LL.D., D.SC., D.ENG., Geology
DAVIES, J. I., PH.D., Biology
DESSLER, A. J., PH.D., Space Sciences
DOUGLAS, J., Jr., PH.D., Mathematics
DOWDEN, W. S., PH.D., English
EDWARDS, E. O., PH.D., Economics
FRANKLIN, J. L., PH.D., Chemistry
FULTON, J. S., PH.D., Philosophy
GRAHAM, M. H., D.E.E., Electrical Engineering
HERMANCE, G. L., M.A., Physical Education
HIGGINBOTHAM, S. W., PH.D., History
HOUSTON, W. V., PH.D., Physics
HUDSON, B. B., PH.D., Psychology
KAHN, R. L., PH.D., German
KAPLAN, B., PH.D., Psychology
KILPATRICK, J. E., Chemistry
LANPHIER, Col. P. H., M.S., Military Science
LEAR, F. S., PH.D., History
LELAND, T. W., PH.D., Chemical Engineering
LEWIS, E. S., PH.D., Chemistry
LOUIS, A., PH.D., German
MCKILLOP, A. D., PH.D., English
MANDELBROJT, S., D. ÈS SC., Mathematics
MARGRAVE, J. L., PH.D., Chemistry
MASTERSON, W. H., PH.D., History
MOREHEAD, J. C., Jr., B.ARCH., Architecture
NIELSEN, N. C., PH.D., Philosophy
NORBECK, E., PH.D., Anthropology
O'BRIEN, B. J., PH.D., Space Science
PASLEY, P. R., PH.D., Mechanical Engineering
PAULSON, R., PH.D., English
PFEIFFER, P. E., PH.D., Electrical Engineering
PHILLIPS, G. C., PH.D., Physics
PITZER, K. S., PH.D., D.SC., Chemistry
RATH, R. J., PH.D., History
READ, C. P., PH.D., Biology
RICHTER, G. H., PH.D., Chemistry
RISSER, J. R., PH.D., Physics
ROGERS, J. W. W., PH.D., Geology
RORSCHACH, H. E., Jr., PH.D., Physics
SALSBURG, Z. W., PH.D., Chemistry
SIMS, J. R., PH.D., Civil Engineering
TALMAGE, R. V., PH.D., Biology
TRAMMELL, G. T., PH.D., Physics
TSANOFF, R. A., PH.D., Humanities
TURNER, R. B., PH.D., Chemistry
ULRICH, F. E., PH.D., Mathematics
VANDIVER, F. E., History
VELETSOS, A. S., PH.D., Civil Engineering
WADSWORTH, P. A., PH.D., French
WALTERS, G. K., PH.D., Physics
WATERS, J. S., B.S., Electrical Engineering
WILLIAMS, G. G., M.A., English
WISCHMETER, C. R., M. IN E.E., Electrical Engineering

SACRED HEART DOMINICAN COLLEGE
2401 HOLCOMBE BOULEVARD, HOUSTON, TEXAS 77021
Telephone: RI 7-2700.
Founded 1945.

President: Sister M. ANTOINETTE, O.P.
Registrar: Sister WILLIAM ANN, O.P.
Librarian: Sister M. DAVID, O.P.

The library contains 40,150 volumes.
Number of teachers: 49.
Number of students: 515.

ST. EDWARD'S UNIVERSITY
AUSTIN, TEXAS
Telephone: Hi 4-2621.
Founded 1885.

President: Bro. RAYMOND FLECK.
Dean of Admissions: Bro. C. ANDERSEN.
Librarian: Bro. C. ANGERMEIER.

The library contains 40,000 volumes.
Number of teachers: 45.
Number of students: 750.

SAM HOUSTON STATE COLLEGE
HUNTSVILLE, TEXAS
Telephone: GArfield 5-6211.
Founded 1879.

President: ARLEIGH B. TEMPLETON.
Dean of Admissions: R. S. LINDSEY.
Librarian: B. P. SIMONS.

The library contains 185,000 volumes.
Number of teachers: 285 full-time.
Number of students: 5,738.

SAINT MARY'S UNIVERSITY OF SAN ANTONIO
SAN ANTONIO 28, TEXAS

President: CHARLES W. NEUMANN.
Vice-President and Dean of Faculties: J. SCHMITZ, S.M.
Vice-President and Business Manager: T. G. NOLL, S.M.
Director of Development: C. DOUGHERTY.
Registrar: T. J. TREADAWAY.
Librarian: P. NOVOSAL, S.M.

Number of students: 2,600.

DEANS:

School of Arts and Sciences: A. FREDERICK, S.M.
School of Business Administration: P. GOELZ, S.M.
School of Law: E. A. RABA.
Graduate School: L. H. MAI.
Director of Teacher Education: MARION F. BELKA, S.M.
Dean of Student Activities: C. BLASEN, S.M.

SOUTHERN METHODIST UNIVERSITY
UNIVERSITY PARK, DALLAS, TEXAS 75222
Telephone: EMerson 3-5611.
Chartered 1911.

President: WILLIS M. TATE.
Provost: W. L. AYRES.
Comptroller: T. C. ROOT.
Registrar: J. D. CONNER.
Librarian: R. M. TRENT.

The library contains 796,860 volumes.
Number of teachers: 416.
Number of students: 9,045.
Publications: *Southwest Review* (quarterly), *Field and Laboratory* (quarterly).

DEANS:

University College: J. HICKS.
Arts: K. HUNTER.
Business: A. Q. SARTAIN.
Engineering: S. THOMPSON.
Graduate: C. C. ALBRITTON, Jr.
Law: C. O. GALVIN.
Student Life: F. W. BRYSON.
Humanities and Science: J. P. HARRIS.
Theology: J. D. QUILLIAN, Jr.
Dallas College: J. M. CLAUNCH.

SOUTHWEST TEXAS STATE COLLEGE
SAN MARCOS, TEXAS
Telephone: EX 2-2421.
Founded 1899.

President: JAMES H. MCCROCKLIN.
Registrar: A. G. BRIEGER.
Librarian: L. MOLONEY.

The library contains 122,485 volumes.
Number of teachers: 218.
Number of students: 5,300 (approx.).

SOUTHWESTERN UNIVERSITY
GEORGETOWN, TEXAS 78626

Opened 1873 by merging of Rutervilte College (Chartered 1840), Wesleyan College (1844), McKenzie College (1848), and Soule University (1856); Blinn Memorial College of Methodist Episcopal Church merged with University from 1932 to 1934.

President: Dr. DURWOOD FLEMING.

Vice-President, Finance: Dr. I. J. McCook.
Vice-President, Public Relations and Development: W. G. Blanton.
Director of Admission and Registration: H. A. Long.
Librarian: Mildred Gervasi.

The library contains 84,000 volumes.
Number of teachers: 66.
Number of students: 840.
Publications: *Bulletin* (monthly), *The Megaphone* (weekly), *Southwestern Magazine* (quarterly), *The Sou' Wester* (annual).

Deans:

College of Arts and Sciences: F. B. Clifford.
Fine Arts: J. D. Richards.
Men: J. V. Berglund.
Women: Martha Mitten Allen.

SUL ROSS STATE COLLEGE

ALPINE, TEXAS

Telephone: TEnnyson 7-2343.

Founded 1920.

President: (Vacant).
Registrar: G. Davis.
Librarian: D. R. Dobie.

The library contains 103,000 volumes.
Number of teachers: 81.
Number of students: 1,500.

THE TEXAS A & M UNIVERSITY SYSTEM

COLLEGE STATION, TEXAS

Founded 1948.

President: Earl Rudder.
Vice-President and Comptroller: W. C. Freeman.
Vice-President for Programmes: J. C. Calhoun.

The System cover the following senior institutions:

TEXAS A & M UNIVERSITY

COLLEGE STATION, TEXAS

Founded 1876, University 1963.

President: Earl Rudder, ll.d.
Academic Vice-President: W. C. Hall, ph.d.
Vice-President for Research: A. D. Shuttle, ph.d.
Vice-President for Business Affairs: T. D. Cherry, m.s.
Director of Admissions and Registrar: H. L. Heaton, m.s.
Librarian: R. C. Woodward, m.a.

Number of teachers: 771, including 196 professors.

Number of students: 8,239.

Deans:

Dean of Academic Administration: W. J. Graff, ph.d.
College of Engineering: F. J. Benson, m.s.
College of Agriculture: R. E. Patterson, ph.d.
College of Veterinary Medicine: A. A. Price, m.s., d.v.m.
Graduate College: W. C. Hall, ph.d.
College of Liberal Arts: F. W. R. Hubert, ph.d.
College of Geosciences: H. R. Byers, sc.d.
College of Science: C. F. Squire, ph.d.
Texas Maritime Academy: B. M. Dodson, b.s.
Students: J. P. Hannigan, b.s.

PRAIRIE VIEW AGRICULTURAL AND MECHANICAL COLLEGE

PRAIRIE VIEW, TEXAS

Founded 1876.

President: Edward B. Evans, v.m.d., d.sc.
Registrar: G. R. Rangland, ph.d.
Business Manager: H. D. Murdock, m.b.a.
Librarian: O. J. Baker, m.l.s.

The library contains 82,314 volumes.
Number of teachers: 225.
Number of students: 1,550 men, 1,638 women, total 3,188.

Deans:

Graduate School: J. M. Drew, ed d.
School of Agriculture: G. L. Smith, m.s., d.ed.(h.c.).
School of Arts and Sciences: T. P. Dooley, ph.d.
School of Engineering: C. L. Wilson, m.e., m.s.
School of Home Economics: Miss Flossie M. Byrd, ph.d.
School of Industrial Education: A. I. Thomas, ph.d.
School of Nursing Education: Mrs. Rose E. Hynes, m.ed.
Dean of Student Life: T. R. Solomon, ph.d.
Men: H. E. Fuller.
Women: Mrs. R. L. Bland Evans, m.s.

TARLETON STATE COLLEGE

STEPHENVILLE, TEXAS

President: E. J. Howell, m.s., ll.d., l.h.d.
Dean of Instruction: P. A. Cunyus, m.s.
Dean of Student Personnel Services: S. Chilton, m.a., ed.d.
Registrar: J. M. Whiting, b.s.
Librarian: H. T. Lohrman, m.l.s.

The library contains 72,000 volumes.
Number of teachers: 93.
Number of students: 1,570.

TEXAS CHRISTIAN UNIVERSITY

FORT WORTH, TEXAS 76129

Telephone: Walnut 6-2461.

Founded 1873.

Chancellor: James M. Moody, ph.d.
Vice-Chancellor for Fiscal Affairs: L. C. White, c.p.a.
Vice-Chancellor for Academic Affairs: J. W. Newcomer.
Vice-Chancellor for Student Life: L. C. Smith, m.a., ph.d.
Vice-Chancellor for External Affairs: E. Waldrop.
Vice-Chancellor and President of T.C.U. Research Foundation: W. O. Milligan.
Registrar: C. A. Cumbie, m.ed., m.a.
Librarian: P. M. Parham.

Number of teachers: 550.
Number of students: 9,603.
Publications: *Bulletins*.

Deans:

Brite College of the Bible: E. D. Henson
Graduate School: E. L. Secrest, m.s., ph.d.
Harris College of Nursing: Lucy Harris, m.ed., r.n.
Evening College: W. K. Agee, m.a., ph.d.
College of Arts and Sciences: J. A. Moore, m.a., ph.d.
School of Business: I. H. Harrison, m.b.a., ed.d.
School of Education: H. F. Lagrone, m.s., ed.d.
School of Fine Arts: F. C. Hughes, mus.ed., m.mus., ph.d.

TEXAS COLLEGE OF ARTS AND INDUSTRIES

KINGSVILLE, TEXAS

Founded 1917.

Established as South Texas Normal School; name changed to South Texas State Teachers' College by law in 1923, and to Texas College of Arts and Industries by law in 1929.

President: James C. Jernigan, m.s., ph.d.
Vice-President and Dean: R. D. Rhode, m.a., ph.d.
Registrar and Director of Admissions: G. W. McCulley, m.b.a., ph.d.
Librarian: P. Barkey, b.a., a.m.l.

The library contains 141,000 volumes and receives 1,120 periodicals.
Number of teachers: 205.
Number of students: 2,640 men, 1,591 women, total 4,231.

Deans:

Men: J. E. Turner, m.ed.
Women: Carrie L. Bishop, m.s.
Agriculture: J. W. Howe, m.s., ph.d.
Arts and Sciences: S. B. Stewart, m.a., ph.d.
Business Administration: D. B. Ford, m.b.a., ph.d.
Engineering: F. H. Dotterweich, ph.d.
Teacher Education: J. Glock, m.a., ed.d.
Graduate Studies: J. C. Rayburn, m.a., ph.d.

TEXAS LUTHERAN COLLEGE

SEGUIN, TEXAS 78155

Telephone: Franklin 9-4161.

Founded 1891.

President: Martin L. Cole.
Registrar: M. R. Jaroszewsi.
Librarian: W. Lussky.

Number of teachers: 57.
Number of students: 737.

TEXAS SOUTHERN UNIVERSITY
HOUSTON 4, TEXAS

Founded 1947.

President: S. M. NABRIT, M.S., PH.D.
Registrar: J. E. WESTBERRY, M.S., M.A.
Librarian: H. H. BELL, M.A., PH.D.

Number of teachers: 199.
Number of students: 4,037.

DEANS:

College of Arts and Sciences: H. H. HARTSHORN, M.A., PH.D.
School of Law: K. S. TOLLETT.
School of Pharmacy: E. J. EUGERE, M.S., PH.D.
School of Industries: B. A. TURNER, M.ED., ED.D.
Graduate School: J. A. PIERCE, M.S., PH.D.
Men: J. B. JONES, M.E.D., ED.D.
Women: MABEL S. LOTT, M.A., D.ED.

TEXAS TECHNOLOGICAL COLLEGE
LUBBOCK, TEXAS

Founded by Texas Legislature 1923.

President: R. C. GOODWIN, PH.D.
Registrar: F. BOZE, ED.D.
Librarian: R. C. JANEWAY, M.S.
Curator: W. C. HOLDEN, PH.D.

The library contains 585,900 volumes.
Number of teachers: 695.
Number of students: 8,725 men, 4,848 women, total 13,573.

DEANS:

Faculty of Agriculture: G. W. THOMAS, PH.D.
Faculty of Arts and Sciences: S. M. KENNEDY, PH.D.
Faculty of Commerce: G. G. HEATHER, PH.D.
Faculty of Engineering: J. R. BRADFORD, PH.D.
Graduate Division: F. D. RIGBY, PH.D.
Faculty of Home Economics: WILLA V. TINSLEY, PH.D.

TEXAS WESLEYAN COLLEGE
P.O. BOX 3277,
FORT WORTH, TEXAS
Telephone: JE4-0251.

Founded 1891.

President: Dr. LAW SONE.
Registrar: H. W. RICE.
Librarian: Mrs. NELL ORNEE.

The library contains 50,000 volumes.
Number of teachers: 65.
Number of students: 1,500.

TEXAS WESTERN COLLEGE OF THE UNIVERSITY OF TEXAS
EL PASO, TEXAS

Founded 1913.
Formerly the College of Mines and Metallurgy.

President: JOSEPH M. RAY.
Director of Admissions: C. J. CERVENKA.
Librarian: B. POLK.

The library contains 147,000 volumes.
Number of teachers: 262, including 49 professors.
Number of students: 3,900 men, 2,255 women, total 6,155.

DEANS:

Students: C. E. KELSEY, Jr.
Mines and Engineering: L. L. ABERNETHY.
Arts and Sciences: R. SMALL.
Women: LOUISE RESLEY.
Men: J. R. WALKER.
Graduate: C. L. SONNICHSEN.
Administration: R. M. LEECH.

TEXAS WOMAN'S UNIVERSITY
DENTON, TEXAS
Telephone: 387-1322.

Founded 1901.

President: JOHN A. GUINN.
Vice-President: J. W. ROLLOW.
Registrar: F. W. EMERSON.
Librarian: I. L. SCHULZE.

The library contains 180,000 volumes.
Number of teachers: 185.
Number of students: 3,200.
Publication: *Daedalian* (quarterly).

DEANS:

College: J. NEWCOMER.
Arts and Sciences: A. N. WILEY.
Education: T. W. BOOKER.
Fine Arts: W. V. CASEY.
Health: ANNE S. DUGGAN.
Home Science: JESSIE W. BATEMAN.
Occupational Therapy: RUTH WHIPPLE.
Library Science: D. G. DIXON.
Nursing: FAYE PANNELL.
Graduate: J. NEWCOMER.
Summer Session: F. W. EMERSON.

TRINITY UNIVERSITY
715 STADIUM DRIVE,
SAN ANTONIO, TEXAS 78212
Telephone: Pershing 6-4141.

Founded 1869.

Chancellor: Dr. JAMES W. LAURIE.
President: Dr. L. DUCE.
Registrar: L. B. HIGGINS.
Librarian: J. F. GOVAN.

Number of teachers: 125, including 32 professors.
Number of students: 1,750.
Publications: *Trinitonian, Mirage.*

DEANS:

Dean of the University: Dr. B. THOMAS.
Dean of the Graduate School: Dr. L. A. DUCE.
Dean of Engineering and Physical Sciences: Dr. R. V. ANDREWS.

UNIVERSITY OF DALLAS
UNIVERSITY OF DALLAS
STATION, TEXAS 75061
Telephone: BL 3-1123.

Founded 1956.

President: Dr. DONALD A. COWAN.
Registrar: Sister MARY MARGARET, S.S.M.N.
Librarian: Sister DOROTHEA BURKHOLDER, S.S.N.D.

The library contains 45,000 volumes.
Number of teachers: 65.
Number of students: 750.

UNIVERSITY OF HOUSTON
HOUSTON 4, TEXAS

President: PHILIP G. HOFFMAN.
Vice-President and Dean of Faculties: J. C. ALLRED.
Vice-President and Treasurer: C. F. MCELHINNEY.
Vice-President, University Development: P. J. NICHOLSON.
Registrar: R. A. VITULLI.
Librarian: E. G. HOLLEY.

Number of students: 20,000.

DEANS:

Students: W. A. YARDLEY.
Arts and Sciences: A. R. NEUMANN.
Architecture: R. W. LILLIOT.
Engineering: C. V. KIRKPATRICK.
Law: J. B. NEIBEL.
Pharmacy: N. M. FERGUSON.
Technology: H. E. MCCALLICK.
Education: A. N. DONNER.
Business Administration: T. R. BRANNEN.
Men: J. B. WHITEHEAD.
Women: BESSIE M. EBAUGH.

UNIVERSITY OF ST. THOMAS
3812 MONTROSE BLVD.,
HOUSTON, TEXAS 77006
Telephone: Jackson 9-9148.

Founded 1947.

President: Rev. JOHN F. MURPHY, C.S.B.
Registrar: Dr. G. A. KNAGGS.
Librarian: Rev. JOHN MEYER.

The library contains 40,000 volumes.
Number of teachers: 53.
Number of students: 900.

THE UNIVERSITY OF TEXAS
AUSTIN, TEXAS 78712
Telephone: Greenwood 1-3434.

Founded 1881. Opened 1883. Medical Branch, Galveston, opened 1891; Texas Western College, El Paso, 1919; Dental Branch, Houston, 1943; M. D. Anderson Hospital and Tumor Institute, Houston, 1944; Southwestern Medical School, Dallas, 1949; South Texas Medical School, San Antonio, 1962; Graduate School of Biomedical Sciences, Houston, 1964; Arlington State College, Arlington, 1965.

Chancellor: HARRY H. RANSOM, PH.D., LITT.D., LL.D.
Vice-Chancellors: J. C. DOLLEY, PH.D., L. DE F. HASKEW, PH.D., N. HACKERMAN, PH.D., W. S. STONE, PH.D., R. VOWELL, M.ED.
Dean of Students: J. HOLLAND, M.B.A.
Business Manager: J. H. COLVIN.
Registrar: W. B. SHIPP, B.S.
Librarian: A. MOFFIT, B.S., M.S. IN L.S.

Texas Memorial Museum: W. W. NEWCOMB, Jr., PH.D. (Director).

Library: *see* Libraries.

Number of teachers: 2,167.

Number of students: 17,350 men, 7,643 women, total 24,993.

Publications: *Texas Quarterly, Graduate Journal, Arion, Texas Studies in Literature and Language.*

DEANS:

College of Arts and Sciences: J. A. BURDINE, PH.D.
College of Business Administration: J. A. WHITE, PH.D.
College of Education: W. HOLTZMAN, PH.D.
College of Engineering: J. J. MCKETTA, Jr., PH.D.
College of Fine Arts: E. W. DOTY, PH.D.
College of Pharmacy: L. F. WORRELL, PH.D.
Graduate School: W. G. WHALEY, PH.D.
School of Law: W. P. KEETON, S.J.D.
Graduate School of Library Science: R. R. DOUGLASS, PH.D. (Director).
Graduate School of Social Work: ANNE WILKINS, M.S. IN S.W. (Acting Director).
School of Architecture: P. D. CREER, B.ARCH. (Director).
School of Communication: D. C. REDDICK (Director).
Extension Division: J. R. D. EDDY, M.S.
Medical Branch: T. G. BLOCKER, M.D. (Executive Director).
Dental Branch: J. V. OLSON, D.D.S., M.S., F.A.C.D.
Southwestern Medical School: A. J. GILL, M.D.
Texas Western College: J. M. RAY, PH.D.
Graduate School of Bio-Medical Sciences: P. A. WEISS, PH.D.
M. D. Anderson Hospital and Tumor Institute: R. L. CLARK, Jr., M.D. (Director).
South Texas Medical School: F. C. PANNIHILL, M.D.
Arlington State College: J. R. WOOLF, PH.D.

PROFESSORS:

College of Arts and Sciences:
ADAMS, R. N., PH.D., Anthropology
ALEXOPOULOS, C. J., PH.D., Botany
ALSTON, R. E., PH.D., Botany
ANDERSON, R. C., PH.D., Chemistry
ANDERSSON, T., PH.D., Romance Languages
ARNAKIS, G. G., PH.D., History
AROCENA, L. A., PH.D., Romance Languages
ARONSON, E., PH.D., Psychology
ARROWSMITH, W., PH.D., Classics
AYRES, C. E., PH.D., Economics
AYRES, G. H., PH.D., Chemistry
BARNES, V. E., PH.D., Geology
BELKNAP, I. C., PH.D., Sociology
BELL, W. C., PH.D., Geology
BENNETT, J. H., PH.D., History
BENSON, K. Y., Jr., B.S., Air Science
BIESELE, J. J., PH.D., Zoology
BLAIR, W. F., PH.D., Zoology
BLODGETT, H. C., PH.D., Psychology
BOATRIGHT, M. C., PH.D., English
BOLD, H. C., PH.D., Botany
BONER, C. P., PH.D., Physics
BOWMAN, H. A., PH.D., Sociology
BRAND, D. D., PH.D., Geography
BRELAND, O. P., PH.D., Zoology
BROOM, L., PH.D., Sociology
BROWN, W. V., PH.D., Botany
BROWN, W. L., PH.D., Psychology
BULLARD, F. M., PH.D., Geology
BURDINE, J. A., PH.D., Government
CAMPBELL, T. N., PH.D., Anthropology
CARNE-ROSS, D., M.A., Romance Languages
CARROLL, H. B., PH.D., History
CLABAUGH, S. E., PH.D., Geology
CLINE, C. L., PH.D., English
CORNELL, J. B., PH.D., Anthropology
CRAIG, H. V., PH.D., Mathematics
CRANFILL, T. M., PH.D., English
CROW, M. M., PH.D., English
DALLENBACH, K. M., PH.D., Psychology
DASSONVILLE, M., PH.D., Romance Languages
DE FORD, R. K., M.S., Geology
DE VAUCOULEURS, G., D.SC., Astronomy
DEWAR, M. J. S., PH.D., Chemistry
DE WETTE, F. W., PH.D., Physics
DIVINE, R. A., PH.D., History
DRUMMOND, PH.D., Physics
EAKIN, R. E., PH.D., Chemistry
EDMONDS, F. N., PH.D., Astronomy
EDMONDSON, D. E., PH.D., Mathematics
ELLISON, F. P., PH.D., Romance Languages
ELLISON, S. P., Jr., PH.D., Geology
EPPRIGHT, MARGARET A., PH.D., Home Economics
ETTLINGER, H. J., PH.D., Mathematics
FIREY, W. I., PH.D., Sociology
FLAWN, P. T., PH.D., Geology
FOLK, R. L., PH.D., Geology
FORREST, H. S., PH.D., Zoology
FOSTER, J. W., PH.D., Microbiology
FRANTZ, J. B., PH.D., History
GENTRY, G. V., PH.D., Philosophy
GINASCOL, F. H., PH.D., Philosophy
GORDON, W., PH.D., Economics
GOULD, T. F., PH.D., Classics
GREENWOOD, R. E., PH.D., Mathematics
GREGORY, R. T., PH.D., Mathematics
GULLON, R., LIC. IN LAW, Romance Languages
GUY, W. T., Jr., PH.D., Mathematics
HACKERMAN, N., PH.D., Chemistry
HADEN, E. F., PH.D., Romance Languages
HANSON, H. P., PH.D., Physics
HARRISON, J. P., PH.D., English
HARRISON, T. P., P.HD., English
HARTSHORNE, C., PH.D., Philosophy
HATCH, L. F., PH.D., Chemistry
HEITNER, R., PH.D., Germanic Language
HENZE, H. R., PH.D., Chemistry
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College of Mines and Mineral Industries: G. R. HILL, PH.D. (acting).
College of Medicine: K. B. CASTLETON, M.D., PH.D.
College of Pharmacy: L. D. HINER, PH.D.
College of Nursing: MILDRED D. QUINN, M.S.
College of Fine Arts: E. D. MARYON, M.F.A. (acting).
College of Education: A. D. WOODRUFF.
Students: VIRGINIA P. FROBES, PH.D.
Continuing Education: G. R. HOLT, M.B.A. (acting).
Summer School: J. B. JARVIS, PH.D.

PROFESSORS:

ABRAVANEL, M., Music
ADAMSON, J. H., PH.D., English
ADIX, L., M.A., Theatre and Ballet
ANDERSON, R., PH.D., Anthropology
ANGLEMAN, S. W., PH.D., English
ATIYA, A. S., PH.D., Languages
BAILEY, N. P., M.S., Mechanical Engineering
BAILEY, R., B.ARCH., Architecture
BAKER, R. D., PH.D., Mechanical Engineering
BANE, L. C., ED.D., Speech
BARTON, D. K., PH.D., Languages
BEARD, G. V., PH.D., Mechanical Engineering
BEHLE, W. H., PH.D., Zoology and Entomology
BEIER, E. G., PH.D., Psychology
BENAVIDES, R. L., PH.D., Languages
BENNETT, W. R., LL.M., Law
BENTLEY, H. W., PH.D., English
BERNHARD, R. C., PH.D., Economics
BIESELE, F. C., PH.D., Mathematics
BLISS, E. L., M.D., Psychiatry
BLISS, R. L., B.ARCH., Architecture
BODENHEIMER, E., LL.B., Law
BOOTH, L. W., M.A., Music
BORG, G. K., M.S., Civil Engineering
BOWN, M. D., PH.D., Psychology
BRANCH, C. H. H., M.D., Psychiatry
BRIZZEE, K. R., PH.D., M.D., Anatomy
BROWN, W. S., PH.D., Mechanical Engineering
BRUMBAUGH, W. D., ED.D., Educational Administration
BURDETTE, W., PH.D., M.D., Surgery
BURGESS, C. E., PH.D., Mathematics
CAGLE, F. W., PH.D., Chemistry
CALDER, G. H., D.B.A., Management
CALLIS, H. G., PH.D., History
CANNON, A. S., PH.D., Sociology and Social Work
CARNES, W. H., M.D., Pathology
CARTWRIGHT, G. E., M.D., Medicine
CASTLETON, K. B., M.D., Surgery
CATMULL, J. F., PH.D., Speech
CHAMBERLIN, R. E., PH.D., Mathematics
CHAPMAN, E. F., PH.D., English
CHRISTENSEN, C. J., PH.D., Ceramics
CHRISTENSEN, W. F., Ballet
CHRISTENSEN, W. R., M.D., Radiology
CHRISTIANSEN, E. B., PH.D., Chemical Engineering
CHRISTIANSEN, F. W., PH.D., Geology
CLARK, L. D., M.D., Psychiatry
CONDIE, R. P., A.B., Music
COLES, W. J., PH.D., Mathematics
CONE, J. H., E.M., Mining Engineering
COOK, K. L., PH.D., Geophysics
COOK, M. A., PH.D., Metallurgical Engineering
CRAMPTON, C. G., PH.D., History
CRAWLEY, S. L., PH.D., Psychology
CRAWLEY, S. W., M.ARCH., Architecture
CUTLER, I. B., PH.D., Ceramic Engineering
DALGLIESH, W. H., PH.D., History
DEMARS, E. T., PH.D., Educational Administration
DIBBLE, C., PH.D., Anthropology
DIBBLE, G. S., M.A., Art
DICK, B. G., PH.D., Physics
DORAN, R. L., PH.D., Physics
DOUGHERTY, T. F., PH.D., Anatomy
DURHAM, L. M., PH.D., Music
DURRANT, S. D., PH.D., Zoology and Entomology
EARDLEY, A. J., PH.D., Geology
EDMUNDS, G. F., Jr., PH.D., Zoology
EDWARDS, W. F., M.S., Banking and Finance
EMERY, A. C., LL.B., Law
ENDL, K. W., PH.D., Mathematics
ENGAR, K. M., PH.D., Speech
EVANS, F. R., PH.D., Zoology and Entomology
EYRING, H., PH.D., Chemistry
EYZAGUIRRE, C., M.D., Physiology
FACER, E. J., PH.D., Banking and Finance
FAUST, A. F., PH.D., Education
FAWLEY, P. C., ED.D., Educational Administration
FISHER, A., PH.D., Geography
FLOWERS, S., PH.D., Botany
FOLLAND, H. F., PH.D., English
FORREST, C. D., PH.D., Marketing
FOWLES, G. R., PH.D., Physics
FROST, H. H., Jr., PH.D., Sociology
FULLER, G. A., PH.D., Economics
GARDNER, J., M.S., Athletics
GARFF, R. L., PH.D., Speech
GARLINGTON, J., PH.D., English
GAUFIN, A. R., PH.D., Zoology
GEBHARDT, L. P., PH.D., M.D., Bacteriology
GEERLINGS, J., PH.D., Languages and History
GHISELIN, B., M.A., English
GIBBS, P., PH.D., Physics
GITTINS, A. L., B.A., Art and Sculpture
GOATES, W. A., PH.D., Speech
GOODMAN, L. S., M.D., Pharmacology
GRANT, C. W., PH.D., Educational Psychology
GRANT, D. M., PH.D., Chemistry
GREAVES, H. S., PH.D., Speech
GRUNDMANN, A. W., PH.D., Zoology and Entomology
HAMMOND, S. B., PH.D., Electrical Engineering
HANKS, J. W., PH.D., Economics
HANSEN, P. J., PH.D., Education
HARLINE, O. L., PH.D., Economics
HARRIS, L. D., PH.D., Electrical Engineering
HAWKES, H. B., PH.D., Geography
HAYCOCK, O. C., M.S.E.E., Electrical Engineering
HAYES, ELIZABETH R., ED.D., Health, Physical Education
HECHT, H. H., M.D., Medicine
HESS, O. L., PH.D., Education
HEWITT, W. P., PH.D., Geology
HILL, G. R., PH.D., Fuel Technology
HINER, L. D., PH.D., Pharmacognosy
HORTON, W. J., PH.D., Chemistry
HUNTER, O. N., ED.D., Health, P.E. and Recreation
JACOBSEN, G. S., ED.D., Educational Administration
JARCHO, L. W., M.D., Neurology
JENNINGS, J. D., PH.D., Anthropology
JEX, F. B., PH.D., Educational Psychology
JOHNSON, A. F., PH.D., Mechanical Engineering

JOHNSON, A. H., PH.D., Accounting
JONAS, F. H., PH.D., Political Science
JONES, D. J., PH.D., Geology
JONES, R. S., M.D., Pathology
KADESCH, R. R., PH.D., Physics
KAISER, I. H., PH.D., Obstetrics and Gynæcology
KAO, S.-K., PH.D., Meteorology
KEUFFEL, J. W., PH.D., Physics
KISTLER, S. S., PH.D., Chemical Engineering
MACDONALD, S. L., B.ARCH., Architecture
MCKAY, L. R., PH.D., Languages
MCMURRIN, S. M., PH.D., Philosophy
MCPHEE, W. M., PH.D., Sociology
MALM, L. E., PH.D., Chemistry
MARCUS, S., PH.D., Bacteriology
MATTHEWS, M. P., PH.D., Marketing
MECHAM, M. J., PH.D., Speech
MERRILL, R. M., PH.D., Educational Psychology
MILLER, D. E., PH.D., History
MORTENSEN, A. R., PH.D., History
MOSS, BERNICE R., ED.D., Health, Physical Education and Recreation
MULDER, W., PH.D., English
NABERS, L., PH.D., Economics
NACKOWSKI, M. P., PH.D., Mining and Geological Engineering
NEMIR, ALMA, M.D., Health, Physical Education and Recreation
NEWBY, W. W., PH.D., Biology
NUTTING, W. C., ED.D., Education
OLSEN, L. M., M.S., Mechanical Engineering
PARMLEY, T. J., PH.D., Physics
PERL, E. R., M.S., Physiology
PETTIT, LYNNE A., PH.D., Home Economics
PEYERIMHOFF, A., PH.D., Mathematics
PLAUT, G. W. E., PH.D., Biochemistry
PORTER, P. B., PH.D., Psychology
PROVOST, L. G., ED.D., Secondary Education
QUINN, MILDRED D., PH.N., Nursing
RANDALL, C. N., PH.D., Business Administration
RASMUSSEN, J. J., PH.D., Economics
READ, E. A., ED.D., Educational Administration
READ, W. P., PH.D., Philosophy
REES, D. M., PH.D., Biology
RICH, S. G., Jr., PH.D., Political Science
RICHARDSON, R. C., PH.D., Economics
RIZZA, S., B.S., Military Science
ROBERTSON, WANDA, ED.D., Elementary Education
ROBINS, R. K., PH.D., Chemistry
ROPER, J. A., PH.D., Molecular and Genetic Biology
RUSSON, A. R., ED.D., Office Administration
RYAN, N. W., SC.D., Chemical Engineering
SAMUELS, L. T., PH.D., Biological Chemistry
SCHICK, F. B., PH.D., Political Science
SCOTT, W. R., PH.D., Mathematics
SHAND, D. A., PH.D., Music
SHAW, R. T., PH.D., Marketing
SHORT, CLARICE E., PH.D., English
SKIDMORE, R. A., PH.D., Sociology and Social Work
SMITH, C. W., B.S., Naval Science
SNOW, DOROTHY G., PH.D., English
SNOW, V. D., M.F.A., Art
SPIKES, J. D., PH.D., Experimental Biology
SQUIRES, J. L., PH.D., Health, Physical Education and Recreation
STEPHENSON, R. E., PH.D., Electrical Engineering
STOKES, W. L., PH.D., Geology
STRINGHAM, B. F., PH.D., Mineralogy
STUCKI, R., PH.D., Management
STURGES, P. C., PH.D., History
SWENSON, R. W., LL.D., Law
SWIGART, J. I., PH.D., Physics
SWINYARD, E. A., PH.D., Pharmacy
TANNER, O., M.A., Philosophy
TAYLOR, C. W., PH.D., Psychology
THACKERAY, M. G., M.S.W., Social Work
THOMSON, R. D., M.S., Library Science
THURMAN, S. D., L.L.B., Law
TYLER, F. H., M.D., Medicine
VAN NORMAN, R. W., PH.D., Molecular and Genetic Biology
VELICK, S. F., PH.D., Biochemistry
VIAVANT, W., PH.D., Computer Science
VICKERY, R. K., PH.D., Genetics and Cytology
WADSWORTH, M. E., PH.D., Metallurgical Engineering
WAHRHAFTIG, A. L., PH.D., Chemistry
WARNER, H. R., M.D., PH.D., Biophysics and Bioengineering
WALKER, D. D., PH.D., English
WALLEN, N. E., Educational Psychology
WEAVER, E. E., PH.D., Political Science
WEBB, H. J., PH.D., English
WILLIAMS, J. D., PH.D., Political Science
WILLIAMS, M. L., PH.D., Engineering
WILLSON, J. E., E.M., Mining and Geological Engineering
WINTROBE, M. M., PH.D., M.D., Medicine
WITT, Major H. A., U.S.A.A.F., Air Science
WOLFE, J. H., PH.D., Mathematics
WOODBURY, D. M., PH.D., Pharmacology
WOODRUFF, A. D., PH.D., Educational Psychology
WORMUTH, F. D., PH.D., Political Science
WYLER, P. E., PH.D., Languages
WYLIE, C. R., PH.D., Mathematics
YOUNG, E. R., PH.D., Accounting

UTAH STATE UNIVERSITY of Agriculture and Applied Science

LOGAN, UTAH

Chartered 1888.

President: DARYL CHASE.
Merrill Vice-President: D. W. THORNE.
Vice-President, Business: D. A. BROADBENT.
Librarian: M. C. ABRAMS.

Number of students: 7,277.

DEANS:

Agriculture: V. R. SMITH.
Business and Social Sciences: R. P. COLLIER.
Education: J. C. CARLISLE.
Engineering: D. F. PETERSON.
Forestry: J. W. FLOYD.
Graduate: J. S. WILLIAMS.
Family Life: PHYLLIS SNOW.
Humanities and Arts: C. CULMSEE.
Science: E. J. GARDNER.
Dean of Students: C. J. BURTENSHAW.
Director of Summer School: E. HIMES.
Women's Activities Counsellor: LEAH DUNFORD.
Dean of Admissions and Records: L. M. NEUBERGER.

ASSOCIATED COLLEGES:

Snow College: Ephraim, Utah.
Director: F. S. HOLM.

WEBER STATE COLLEGE

OGDEN, UTAH

Telephone: 394-3491.

Founded 1889.

President: Dr. WILLIAM P. MILLER.
Registrar: M. C. MECHAM.
Librarian: J. R. TOLMAN.

The library contains 65,000 volumes.
Number of teachers: 181.
Number of students: 4,500.

VERMONT

BENNINGTON COLLEGE

BENNINGTON, VERMONT

Chartered 1925.

President: EDWARD J. BLOUSTEIN.
Director of Admissions: REBECCA B. STICKNEY.
Director of Student Personnel: MARGARET B. SMITH.
Business Manager: S. R. PIKE, Jr.
Librarian: MARY S. HOPKINS.

The library contains 49,000 volumes.
Number of teachers: 57.
Number of students: 350.

DEANS:

Faculty: H. W. PEARSON.
Studies: W. P. SCOTT.

CASTLETON STATE COLLEGE

CASTLETON, VERMONT 05735

Telephone: Area Code 802, 468-5551.

Founded 1787.

President: RICHARD J. DUNDAS, III.
Registrar: FLORENCE A. BLACK.
Librarian: H. A. BRANN.

The library contains 28,000 volumes.
Number of teachers: 50.
Number of students: 750.

GODDARD COLLEGE

PLAINFIELD, VERMONT 05667

Telephone: 454-8362.

Founded 1938.

President: ROYCE S. PITKIN.
Registrar: W. J. REEVES.
Librarian: W. E. OSGOOD.

The library contains 22,000 volumes.
Number of teachers: 40.
Number of students: 400.

JOHNSON STATE COLLEGE

JOHNSON, VERMONT

Telephone: Area Code 802, 635-2361.

Founded 1867.

President: Dr. ODINO A. MARTINETTI.
Registrar: FREDA V. HEBB.
Dean of Admissions: W. D. MAY.
Librarian: K. L. RAYMOND.

The library contains 14,000 volumes.
Number of teachers: 28.
Number of students: 380.

MIDDLEBURY COLLEGE

MIDDLEBURY, VERMONT

Founded 1800.

President: JAMES I. ARMSTRONG.
Vice-President: W. E. BROOKER.
Dean of the College: T. H. REYNOLDS.
Dean of Women: Mrs. ELIZABETH B. KELLY.
Dean of the Faculty: J. G. BOWKER.
Director of Language Schools: S. A. FREEMAN.
Registrar: MARION E. HOLMES.

Number of teachers: 91.
Number of students: 1,340.

NORWICH UNIVERSITY
NORTHFIELD, VERMONT
Telephone: 485-5011.
Founded 1819.

President: Gen. BARKSDALE HAMLETT.
Dean of Admissions: Lt.-Col. L. C. HARPER.
Librarian: Maj. V. H. JOHNSON.

The library contains 78,000 volumes.
Number of teachers: 78.
Number of students: 1,240.

UNIVERSITY OF VERMONT
BURLINGTON, VERMONT
Telephone: UN 44511.
Founded 1791.

President: SHANNON MCCUNE, PH.D.
Comptroller: M. DYSON, B.B.A.
Registrar: H. S. CLARKE.
Librarian: (Vacant).
Curator: R. H. JANSON, PH.D.

The library contains 250,000 volumes.
Number of teachers: 489.
Number of students: 2,553 men, 1,464 women, total 4,017.
Publication: *Annual Bulletin.*

DEANS:

Dean of Faculties: C. D. COOK, PH.D.
Dean of Graduate College: W. H. MACMILLAN, PH.D.
College of Arts and Sciences: G. V. KIDDER, PH.D.
College of Agriculture: T. W. DOWE, PH.D.
College of Technology: W. O. ESSLER, PH.D.
College of Medicine: R. SLATER, M.D.
Administration: L. S. ROWELL, M.S.
College of Education: T. C. KING, D.ED.

VIRGINIA

BRIDGEWATER COLLEGE
BRIDGEWATER, VIRGINIA 22812
Telephone: 828-2011.
Founded 1880.

President: Dr. WAYNE F. GEISERT.
Registrar: Miss DONNA L. MILLER
Director of Admissions: E. F. WILKERSON.
Librarian: O. WAGES.

The library contains 54,300 volumes.
Number of teachers: 55.
Number of students: 700.

COLLEGE OF WILLIAM AND MARY IN VIRGINIA
WILLIAMSBURG, VIRGINIA
Founded 1693.

President: DAVIS Y. PASCHALL, A.M., PH.D.
Bursar: R. T. ENGLISH, Jr.
Registrar: D. M. JENSEN, M.A.
Librarian: J. A. SERVIES, A.M.

The library contains 332,926 volumes.
Number of teachers: 297.
Number of students: 3,310.
Publication: *The William and Mary Quarterly.*

DEANS:

College: W. M. JONES, PH.D.
Faculty: H. L. FOWLER, M.A., PH.D.
Graduate Studies: R. T. SIEGEL, M.S., D.SC.
School of Education: H. R. HOLLAND, M.A., PH.D.
School of Marine Science: W. J. HARGIS, M.A., PH.D.
Admissions: R. P. HUNT, M.ED.
Students: J. W. LAMBERT, A.B.
Men: C. H. BARNES, Jr., M.ED.
Women: BIRDENA E. DONALDSON, ED.D.
Marshall-Wythe School of Law: J. CURTIS, B.S., LL.B., LL.M.

EASTERN MENNONITE COLLEGE
HARRISONBURG, VIRGINIA
Telephone: 703, 434-7331
Founded 1917.

President: Dr. MYRON S. AUGSBURGER.
Registrar: Dr. H. D. LEHMAN.
Librarian: Miss MARGARET M. SHENK.

The library contains 36,500 volumes.
Number of teachers: 71.
Number of students: 675.

HAMPDEN-SYDNEY COLLEGE
HAMPDEN-SYDNEY, VIRGINIA 23943
Telephone: 223-2521.
Founded 1776.

President: W. TAYLOR REVELEY.
Registrar: L. H. DREW.
Librarian: P. L. GRIER.

The library contains 55,000 volumes.
Number of teachers: 36.
Number of students: 514.

HAMPTON INSTITUT
HAMPTON, VIRGINIA
Founded 1868.

President: JEROME H. HOLLAND.
Business Manager: J. W. BRYANT.
Registrar: C. H. DAVIS.

The library contains 94,041 volumes.
Number of students: 1,765.

ACTING DEAN:

Faculty: H. M. GLOSTER.

HOLLINS COLLEGE
HOLLINS COLLEGE, VIRGINIA
Founded 1842.

President: JOHN A. LOGAN, Jr.
Vice-President and Treasurer: W. N. JAMES.
Director of Admissions: ANN SPLITSTONE.
Registrar: MARGARET L. ELDRIDGE.
Dean of the College: MARGERY S. FOSTER.
Librarian: DOROTHY DOERR.

Number of teachers: 81, including 17 professors.
Number of students: 700 women; graduate students: 9 men, 1 woman.
Publications: *Alumnae Bulletin, Hollins Herald, Hollins Bulletin.*

LONGWOOD COLLEGE
FARMVILLE, VIRGINIA 23901
Telephone: 392-4244.
Founded 1839 as Farmville Female Seminary.

President: Dr. JAMES H. NEWMAN.
Registrar: C. F. HILEMAN.
Librarian: C. E. BUTLER.

The library contains 91,213 volumes.
Number of teachers: 98.
Number of students: 1,461.

LYNCHBURG COLLEGE
LYNCHBURG, VIRGINIA 24504
Telephone: 846-8411.
Founded 1903.

President: Dr. CAREY BREWER.
Registrar: Miss BLANCHE LATHAM.
Director of Admissions: T. M. MURPHEY.
Librarian: Miss MARY H. BASSETT.

The library contains 50,000 volumes.
Number of teachers: 75.
Number of students: 1,209.

MADISON COLLEGE
HARRISONBURG, VIRGINIA 22802
Telephone: Harrisonburg 434-6756.
Founded 1908.

President: Dr. G. TYLER MILLER.
Registrar: Mrs. PAULINE C. LONG.
Director of Admissions and Student Aid: W. J. DELONG.
Librarian: F. C. PALMER.

The library contains 117,000 volumes.
Number of teachers: 147.
Number of students: 2,152.

MARY BALDWIN COLLEGE
STAUNTON, VIRGINIA 24401
Telephone: 885-0811.
Founded 1842.

President: SAMUEL R. SPENCER, Jr.
Registrar: MARGUERITE HILLHOUSE.
Librarian: GERTRUDE C. DAVIS.

The library contains 63,000 volumes.
Number of teachers: 50.
Number of students: 653.

MEDICAL COLLEGE OF VIRGINIA
RICHMOND, VIRGINIA
Founded 1838.

President: R. BLACKWELL SMITH, Jr.
Assistant President: Col. J. H. HEIL, Jr.
Vice-President and Director of Hospitals: Dr. C. P. CARDWELL, Jr.
Comptroller: L. D. CROOKS.
Librarian: Mrs. JUNE L. HUNTLEY.

The library contains over 78,000 books and periodicals.
Number of teachers: 773.
Number of students: 1,328 (approx.).

DEANS:

School of Medicine: K. NELSON.
School of Dentistry: H. LYONS.
School of Pharmacy: W. E. WEAVER.
School of Nursing: DORIS B. YINGLING.
School of Graduate Studies: E. C. HOFF.

OLD DOMINION COLLEGE

P.O. BOX 6173,
NORFOLK, VIRGINIA 23508.
Telephone: 627-8651.
Founded 1930.

President: LEWIS W. WEBB, Jr.
Registrar: Miss MARCELINE STAPLES.
Director of Admissions: W. E. HOWARD, Jr.
Librarian: W. C. POLLARD.

The library contains 95,000 volumes.
Number of teachers: 244.
Number of students: 7,000 (approx.).

PRESBYTERIAN SCHOOL OF CHRISTIAN EDUCATION

1205 PALMYRA AVENUE,
RICHMOND, VIRGINIA
Telephone: ELgin 9-5031.
Founded 1914.

President: CHARLES E. S. KRAEMER.
Registrar: M. C. McIVER, Jr.
Librarian: H. M. BRIMM.

The library contains 107,317 volumes.
Number of teachers: 11.
Number of students: 121.

RADFORD COLLEGE (formerly College of Virginia Polytechnic Institute)

RADFORD, VIRGINIA

Chancellor: WALTER S. NEWMAN.
President: C. K. MARTIN, Jr.
Business Manager: G. P. GERRETT.
Treasurer: W. S. WEAVER.
Dean of Women: M'LEDGE MOFFET.
Dean of Instruction: R. J. YOUNG.
Registrar: BETTY STEVENS.

RANDOLPH-MACON COLLEGE

ASHLAND, VIRGINIA 23005
Telephone: Area Code 703, 798-8372.
Founded 1830.

President: J. EARL MORELAND.
Registrar: W. A. ROBERTSON, Jr.
Librarian: Mrs. FLAVIA R. OWEN.

The library contains 60,210 volumes.
Number of teachers: 54 full-time.
Number of students: 754.

RANDOLPH-MACON WOMAN'S COLLEGE

LYNCHBURG, VIRGINIA
Founded 1891.

President: Dr. WILLIAM F. QUILLIAN, Jr.
Director of Admissions: MARY L. TILLETTE.
Treasurer: V. H. BELCHER.
Librarian: M. BOORD.

The library contains 108,314 volumes.
Number of teachers: 79, including 21 professors.
Number of students: 825.
Publications: *Catalogue, Student's Handbook, Pictorial Bulletin, R-MWC Today, Randolph-Macon Alumnae Bulletin.*

DEANS:

College: Dr. H. HUDSON.
Students: ALMEDA J. GARLAND.

RICHMOND PROFESSIONAL INSTITUTE

901 WEST FRANKLIN STREET,
RICHMOND, VIRGINIA 23220
Telephone: 353-2711.
Founded 1917.

President: GEORGE J. OLIVER, PH.D.
Director of Admissions: G. W. ROSECRANS.
Librarian: Miss ROSAMOND McCANLESS.

The library contains 60,000 volumes.
Number of teachers: 368.
Number of students: 6,439.

ROANOKE COLLEGE

SALEM, VIRGINIA
Telephone: DU 9-2351.
Founded 1842.

President: Dr. PERRY F. KENDIG.
Registrar: Prof. H. BAST.
Dean of Admissions: S. R. GOOD.
Librarian: Mrs. LUCILE D. SNOW.

The library contains 60,000 volumes.
Number of teachers: 56.
Number of students: 865.

SWEET BRIAR COLLEGE

SWEET BRIAR, VIRGINIA
Chartered 1901.

President: Mrs. ANNE G. PANNELL.
Dean: MARY J. PEARL.
Assistant Dean: Mrs. ANN E. AIKEN.
Director of Admissions: JEAN L. WILLIAMS.
Recorder: JEANETTE BOONE.
Librarian: H. T. GEMMELL.

The library contains 111,147 volumes.
Number of teachers: 69.
Number of students: 684 women.
Publications: *Catalogie* (annual), *Newsletter, Alumnae News.*

UNIVERSITY OF RICHMOND

RICHMOND, VIRGINIA

Chartered as Richmond College 1840; as University of Richmond 1920.

President: GEORGE M. MODLIN, PH.D., LL.D.
Treasurer: C. H. WHEELER, III, PH.D., D.SC.
Registrar (Men): T. N. POLLARD, Jr., M.A.
Registrar (Women): CATHERINE BELL, M.A.
Acting Librarian: JOSEPHINE NUNNALLY, M.A. IN L.S.

Number of teachers: 143 full-time, 103 part-time.
Number of students: 2,304 full-time, 3,356 part-time, total 5,660.
Student Publications: *The Messenger* (magazine), *The Richmond Collegian* (weekly newspaper), *The Web* (annual).

DEANS:

Richmond College, Arts and Sciences (Men): R. F. SMART, PH.D.
Westhampton College (Women): MARGUERITE ROBERTS, PH.D.
Business Administration: W. D. ROBBINS, PH.D.
Law: W. T. MUSE, S.J.D.
Graduate: B. C. HOLTZCLAW, M.A., PH.D.
University College (Evening Division): M. L. SHOTZBERGER, PH.D.
Summer Session: E. F. OVERTON, M.A., PH.D.
Students (Men): C. J. GRAY, M.A., ED.D.
Students (Women): VIRGINIA M. PIERCE, M.A., B.D.

UNIVERSITY OF VIRGINIA

CHARLOTTESVILLE, VIRGINIA
Telephone: 295-2166.
Telegraphic Address: Charlottesville Va.

Founded by act of General Assembly of Virginia, 1819.

President: EDGAR F. SHANNON, Jr., A.M., D.PHIL. (OXON.), LITT.D., LL.D.
Dean of the University: B. F. D. RUNK, M.S., PH.D.
Comptroller: V. SHEA, M.S.
Registrar: H. R. PICKETT, M.A., M.B.A.
Librarian: J. C. WYLLIE, B.A.

Library: *see* Libraries.
Number of teachers: 650.
Number of students: 6,900.
Publication: *Virginia Quarterly Review.*

DEANS:

Faculty of Arts and Sciences: R. J. HARRIS, A.M., PH.D.
College of Arts and Sciences: I. B. CAUTHEN, Jr., M.A., PH.D.
Summer Session: R. W. CHERRY, M.A., ED.D.
School of Architecture: T. K. FITZPATRICK, M.ARCH.
School of Education: R. W. CHERRY, M.A., ED.D.
School of Engineering: L. R. QUARLES, B.S.E., PH.D.
The Graduate School of Arts and Sciences: F. L. HEREFORD, PH.D.
The Graduate School of Business Administration: C. C. ABBOTT, A.M., PH.D.
School of Law: H. C. DILLARD, B.S., LL.B.
School of Medicine: K. R. CRISPELL, B.S., M.D.
School of Nursing: ZULA M. BABER, R.N., B.S.
McIntire School of Commerce: F. S. KAULBACK, Jr., M.A., PH.D.
School of General Studies: J. W. COLE, Jr., M.S., PH.D.
Dean of Women: ROBERTA H. GWATHMEY, PH.D.

Dean of Undergraduate Admissions: M. B. PERRY, Jr., A.M., PH.D.

PROFESSORS:

ABBOTT, C. C., A.M., PH.D., Business Administration
ABSE, D. W., B.S., D.P.M., M.D., Psychiatry
ALFORD, N. H., Jr., B.A., LL.B., Law
ALLAN, J. H., A.B., M.D., Orthopædics
ANSLOW, W. P., Jr., PH.D., Physiology
ARCHER, V. W., B.S., M.D., Roentgenology
BARNES, J. P., PH.D., J.D., Law
BEAMS, J. W., M.A., PH.D., SC.D., Physics
BEAZLEY, R. C., R.N., B.S., M.A., Nursing
BECKWITH, J. R., M.D., Internal Medicine
BENSHOFF, J. J., B.A., Air Science
BENTON, A. F., M.A., PH.D., Chemistry
BIRDSONG, McL., M.D., Pædiatrics
BISHKO, C. J., A.M., PH.D., History
BOBBITT, O. B., B.S., M.D., Clinical Pathology
BODENSTEIN, D., PH.D., Biology
BOWERS, F. T., PH.D., English
BOYD, T. M., B.S., LL.B., Law
BUCHANAN, J. M., M.A., PH.D., Economics
BURGER, A., PH.D., Chemistry
BURTON, E. W., B.A., M.D., Ophthalmology
CABRERA, N., LIC. EN. C. FIS., D.ÈS SC., Physics and Chemistry
CAPLIN, M. M., LL.B., J.S.D., Law
CARRIERE, J. M., A.M., PH.D., D. ÈS. L., Romance Languages
CAWLEY, E. P., B.A., M.D., Dermatology
CHANUTIN, A., PH.D., Biochemistry
CHERRY, R. W., M.A., ED.D., Education
COLE, J. W., M.S., PH.D., Chemistry
COLEMAN, A. R., M.B.A., C.P.A., Business Administration
CONNER, P. E., Jr., M.S., PH.D., Mathematics
COOPER, W., A.M., PH.D., Government
COUGHLIN, R. J., M.A., PH.D., Sociology
CRANBERG, L., A.M., PH.D., Chemistry
CRISPELL, K. R., B.S., M.D., Internal Medicine
CROWELL, T. I., A.M., PH.D., Chemistry
CRUTCHFIELD, W. G., B.A., M.D., Neurosurgery
DAMMONN, J. F., Jr., M.D., Surgery
DAVID, P. T., M.A., PH.D., Government
DAVIS, A. K., Jr., M.A., B.LITT., PH.D., English Literature
DAVISON, C. M., Jr., B.A., LL.B., Law
DENT, J. N., PH.D., Zoology
DILLARD, H. C., B.S., LL.B., Law
DRASH, E. C., B.A., M.D., Surgery
DUREN, W. L., Jr., PH.D., Mathematics
EASTWOOD, D. W., M.D., M.S., Anæsthesiology
EDMUNDSON, R. S., M.S., PH.D., Geology
EGGER, R. A., M.A., PH.D., LL.D., Political Science and Foreign Affairs
ELIOT, J. C., B.S., Naval Science
EMMERICH, H., D.C.L., LL.D., Political Science
FELLER, A. E., B.S., M.D., Microbiology
FERNBACH, A. P., PH.D., Foreign Affairs
FINGER, F. W., M.A., PH.D., Psychology
FITZHUGH, G. S., M.D., Oto-Laryngology
FITZPATRICK, T. K., M.ARCH., Architecture
FLOYD, E. E., PH.D., Mathematics
FORBES, J. D., A.M., PH.D., Business History
FORNES, G. G., M.S. IN M.E., Mechanical Engineering
FOSTER, M. G., PH.D., Electrical Engineering
GARNETT, R. W., Jr., B.S., M.D., Neurology and Psychiatry
GAYLORD, C. N., M.S., Civil Engineering
GEMMILL, C. L., B.S., M.D., Pharmacology
GILDEA, R. E. L., E.E., M.S.S.E., Civil Engineering
GOURLEY, D. R. H., PH.D., Pharmacology
GREGORY, C. O., A.B., LL.B., Law
GUERRANT, J. L., B.S., M.D., Internal Medicine
HAMMOND, L. M., M.A., PH.D., Philosophy
HAMMOND, T. T., B.A., M.A., PH.D., History
HARRIS, O. R., B.S., M.E.E.E., M.E.E., PH.D., P.E., Electrical Engineering
HARRIS, R. J., A.M., PH.D., Government
HART, A. D., M.D., Clinical Medicine
HEATH, P. L., B.A. (OXON.), Philosophy
HENNEMAN, R. H., M.A., PH.D., Psychology
HEREFORD, F. L., Jr., PH.D., Physics
HOLMES, G. W., III, A.M., PH.D., Education
HUBBARD, R. M., M.S.E., PH.D., Chemical Engineering
HUNTER, T. H., B.A., M.D., Internal Medicine
HUSTED, L., PH.D., Biology
JOHNSON, T. C., Jr., M.A., History
JORDAN, W. S., M.D., Preventive Medicine
KAFKA, A., B.A., M.A., Economics
KAULBACK, F. S., Jr., M.A., PH.D., Accounting
KAUZLARICH, J. J., M.S.M.E., PH.D., P.E., Mechanical Engineering
KINDRED, J. E., PH.D., Anatomy
KINNIER, H. L., B.C.E., M.S.E., P.E., Civil Engineering
KUHLTHAU, A. R., M.S., PH.D., Aerospace Engineering
LANGBAUM, R. W., M.A., PH.D., English
LEAVELL, B. S., B.S., M.D., Internal Medicine
LENG, S. C., B.A., PH.D., Foreign Affairs
LUDWIG, L. T., M.ED., Physical Education
LUTZ, R. E., PH.D., Chemistry
MCCASLAND, S. V., TH.B., M.A., PH.D., Religion
MCCOID, J. C., II, B.A., LL.B., Law
MCFARLAND, C., S.J.D., Law
MCGILVERY, R. W., PH.D., Biochemistry
MCKEEHAN, M. S., M.S., PH.D., Anatomy
MAJOR, R. T., M.S., D.SC., PH.D., Chemistry
MAKIELSKI, S. J., B.S. IN ARCH., Architectural Construction
MANSON, P. C., B.A., LL.B., Law
MAYO, B., PH.D., American History
MEADE, R. A., M.A., PH.D., Education
MEADOR, D. J., LL.M., Law
MEEM, J. L., Jr., M.S., PH.D., Nuclear Engineering
MILLER, J. S., Jr., B.S., B.A., E.E.P.E., Electrical Engineering
MITCHELL, R. S., M.S., PH.D., Geology
MOFFATT, L. G., M.A., PH.D., LITT.D., Romance Languages
MORSE, F. T., M.E., E.E., Mechanical Engineering
MORTON, C. B., II., B.S., M.D., Surgery
MORTON, F. S., III, A.B., M.B.A., D.B.A., Business Administration
NASH, C. P., Jr., B.S., LL.B., Law
NETSKY, M. G., M.S., D.M., Neuropathology
NICHOLS, F. D., B.F.A., Architecture
NOKES, J. McI., M.D., Obstetrics and Gynæcology
NUTTER, G. W., M.A., PH.D., Economics
O'NEAL, W. B., B.ARCH., Architecture
PAQUIN, A. J., Jr., M.D., Urology
PARSON, W., A.B., M.D., Internal Medicine
PERRY, M. B., Jr., A.M., PH.D., English
PRIEST, A. J. G., LL.B., Law
QUARLES, L. R., B.S.E., PH.D., Electrical Engineering
RAMEY, R. L., M.S.E.E., PH.D., Electrical Engineering
REDDEN, K. R., LL.B., Law
REID, L. S., M.A., PH.D., Psychology
REID, R. H., M.A., PH.D., History
RHINELANDER, L. H., M.A., LL.B., Law
RIBBLE, F. D. G., M.A., J.S.D., LL.D., LL.M., JUR. SC.D., Law
ROBERTS, JEAN M., M.S., Electrical Engineering
RORER, J. A., M.A., PH.D., Education
ROSE, M. E., M.A., PH.D., Physics
RUNK, B. F. D., M.S., PH.D., Biology
SANDUSKY, W. R., B.A., M.D., Surgery
SCOTT, J. E., M.S., M.E., PH.D., Aerospace Engineering
SEBO, S., M.A., Physical Education
SHANNON, E. F., Jr., A.M., D.PHIL., L.H.D., English
SHEPPARD, C. S., M.S., M.B.A., Business Administration
SIEGEL, C. M., M.S.E., PH.D., Electrical Engineering
SINGLETON, W. R., M.S., SC.D., Biology
SMITH, D. E., B.A., M.D., Pathology
SPEIDEL, C. C., PH.D., SC.D., Anatomy
SPICER, G. W., PH.D., Political Science
SPIES, E. G., A.B., B.C.L., Law
STEVENSON, E. C., B.S.E., M.S., PH.D., Electrical Engineering
STEVENSON, I. P., B.SC., M.D., C.M., Neurology and Psychiatry
STOCKER, A. F., A.M., PH.D., Classics
STOVALL, F., M.A., PH.D., English
SWINEFORD, O., Jr., B.S., M.D., Internal Medicine
TEBELL, G. K., B.S., Physical Education
THOMPSON, L. A., M.A., PH.D., Business Administration
THORNTON, W. N., Jr., B.S., M.D., Obstetrics and Gynæcology
TUMMINS, M., M.B.A., PH.D., C.P.A., Accounting
UHL, V. W., M.S.CH.E., PH.D., Chemical Engineering
UPDIKE, O. L., Jr., B.CH.E., PH.D., Chemical Engineering
VAN ARTSDALEN, E. R., A.M., PH.D., Chemistry
VAUGHAN, J. L., M.A., PH.D., English
VINING, D. R., M.A., PH.D., Statistics and Economics
WADDELL, W. W., Jr., M.D., Pædiatrics
WARD, V. S., M.ED., PH.D., Education
WEEDON, W. S., PH.D., Philosophy
WHITEHEAD, W. D., M.S., PH.D., Physics
WHYBURN, G. T., M.A., PH.D., SC.D., Mathematics
WILSDORF, DORIS K., M.SC., PH.D., Engineering Physics
WILSDORF, H. G. F., M.S., PH.D., D.SC., Material Science
WINTER, E. H., PH.D., Anthropology
WOLPE, J., M.B., MC.H., M.D., Neurology and Psychiatry
WOLTZ, C. K., LL.B., Law
WOOD, J. E., Jr., M.D., Internal Medicine
WOODY, T. B., M.A., Romance Languages
YEAGER, L. B., M.A., PH.D., Economics
YOUNGER, E. E., M.A., PH.D., History
ZUK, W., B.S. IN C.E., M.S.E., PH.D., P.E., Civil Engineering

CO-ORDINATE WOMEN'S COLLEGE:

Mary Washington College: Fredericksburg, Virginia.
Chancellor: GRELLET C. SIMPSON, M.A., PH.D., LL.D.
Dean: E. ALVEY, Jr., M.A., PH.D.

Number of teachers: 140.
Number of students: 1,800.

COMMUNITY COLLEGES:

Chancellor for the Community Colleges: J. L. VAUGHAN, M.A., PH.D.

Clinch Valley College of the University of Virginia: Wise, Virginia.
Director: JOSEPH C. SMIDDY, M.A.
Dean: T. T. HAMILTON, M.A., PH.D.

Number of teachers: 20.
Number of students: 400 (men and women).

George Mason College of the University of Virginia: Fairfax, Virginia.

Director: ROBERT H. REID, M.A., PH.D.

Dean: L. H. POTTER, M.A., PH.D.

Number of teachers: 40.

Number of students: 500 (men and women).

VIRGINIA MILITARY INSTITUTE

LEXINGTON, VIRGINIA

Founded 1839.

Superintendent: Maj.-Gen. GEORGE R. E. SHELL.

Dean of Faculty: Brig.-Gen. L. J. DAVIDSON.

Commandant: Col. J. G. SMITH.

Treasurer: Lt.-Col. R. M. HARPER.

Librarian: Lt.-Col. S. E. MATTHEWS.

The library contains 108,000 volumes.

Number of teachers: 99 academic (of whom 28 are professors), 13 military.

Number of students: 1,100 men.

Publication: *Catalogue.*

VIRGINIA POLYTECHNIC INSTITUTE

BLACKSBURG, VIRGINIA

Established 1872; opened to women 1921.

Chancellor: JOHN R. HUTCHESON.

President: T. M. HAHN, Jr.

Vice-President: W. W. BRANDT.

Business Manager: S. K. CASSELL.

Registrar: M. P. LACEY.

Librarian: F. SHIRK.

Number of teachers: 700.

Number of students: 7,000.

Publications: *Bulletin, The Techgram.*

DEANS:

Agriculture: W. B. BELL.
Architecture: C. BURCHARD.
Arts and Sciences: L. F. MALPASS.
Business: H. H. MITCHELL.
Engineering: W. G. WORCHESTER.
Home Economics: LAURA J. HARPER.
Graduate: F. W. BULL.

PROFESSORS:

ALLEN, C. W., M.S., PH.D., Economics
ALLEN, G. A., Jr., M.S., Animal Science
ANDREWS, S. C., M.S., Business Administration
BARNES, G. C., Jr., M.S., Electrical Engineering
BATCHELDER, A. R., B.S., Agronomy
BEAMER, R. W., M.S., ED.D., Vocational Education
BEECHER, A. S., M.A., Horticulture
BEYER, G. H., M.S., PH.D., Chemical Engineering
BLASER, R. E., M.S., PH.D., Agronomy
BROWN, W. A., A.M., PH.D., History
BUCK, J. T., M.S.A., PH.D., Agricultural Economics
BUCKLEN, E. P., B.S., Mining Engineering
BUNGAY, H. R., III, PH.D., Sanitary Engineering
CALHOUN, J. L., M.S., Agricultural Engineering
CANNON, W. W., M.S., PH.D., Electrical Engineering
CARTER, R. C., M.S., PH.D., Animal Genetics
CASTLEMAN, J. R., B.S., Industrial Engineering
CHAPPELL, W. E., M.S., PH.D., Plant Physiology
CHICUREL, R., M.SC.E., PH.D., Engineering Mechanics
COCHRAN, D. G., M.S., PH.D., Entomology
COLMANO, G., D.V.M., PH.D., Veterinary Science
CONNER, M. C., M.S., PH.D., Agricultural Economics
COOPER, B. N., M.S., PH.D., Geology
COUCH, H. B., PH.D., Plant Pathology
DAVIS, J. W., D.V.M., M.S., PH.D., Veterinary Science
DEAR, P. S., M.S., Ceramic Engineering
DENT, J. B., M.S., Industrial Engineering
DIETRICH, R. V., M.S., PH.D., Geology
DOYLE, P. H., M.S., PH.D., Mathematics
DUBOSE, R. T., D.V.M., M.S., Veterinary Science
DUNTON, H. L., M.S., PH.D., Agronomy
EADES, J. B., Jr., M.S., PH.D., Aerospace Engineering
EARP, U. F., M.S., Agricultural Engineering
ECKEL, J. F., M.S., D.SC., Metallurgical Engineering
ELARTH, H. E., M.A., Architecture
ELLMORE, M. F., M.S., PH.D., Dairy Science
ENGEL, R. W., PH.D., Biochemistry and Nutrition
ESSARY, E. O., M.S., PH.D., Poultry Science
EVANS, T. C., M.S., Forestry
FAVRAO, W. L., Jr., M.A., Architecture
FENNE, S. B., M.S., Plant Pathology
FESSLER, D. R., PH.D., Rural Sociology
FINTON, J. R., B.S., Air Science
FISHER, R. A., M.S., PH.D., Chemical Engineering
FITZPATRICK, E. D., B.S., Military Science
FONTENOT, J. P., M.S., PH.D., Animal Science
FREDERICK, D., M.S., PH.D., Engineering Mechanics
FULLER, L. E., M.A., PH.D., English
FURTSCH, E. F., M.S., PH.D., Chemistry
GAY, W. S., M.S., Accounting
GANTER, C. F., M.S., PH.D., Agronomy
GIBSON, W. L., Jr., M.S., PH.D., Agricultural Economics
GILMER, T. E., Jr., M.S., PH.D., Physics
GLISSON, O., M.S., Clothing, Textiles and Related Art
GORMSEN, S. T., M.S., PH.D., Mathematics
GRAF, G. C., M.S., PH.D., Dairy Science
GRAY, G. A., M.ENG., D.ENG., Civil Engineering
GRAYSON, J. M., M.S., PH.D., Entomology
GRISKEY, R. G., M.S., PH.D., Chemical Engineering
GROSS, W. B., D.V.M., M.S., PH.D., Veterinary Science
GROVER, N. L., S.T.M., PH.D., Philosophy and Religion
GRUENHAGEN, R. H., M.S., PH.D., Plant Pathology
HAMMER, J. L., M.S., Civil Engineering
HARRELL, L. M., Jr., M.S., Accounting
HARSHBARGER, B., M.S., M.A., PH.D., Statistics
HATCHER, T. W., M.E., M.S., PH.D,. Mathematics
HECKEL, M. C., M.S., ED.D., Extension Education
HENDERSON, R. G., M.S., PH.D., Plant Pathology
HOLCOMB, C. J., B.F., Forestry
HOLMES, C. E., M.S., PH.D., Poultry Science
HOLT, C. A., M.S., PH.D.. Electrical Engineering
HORSFALL, F., Jr., M.S., PH.D., Horticulture
HORST, C. E., M.S., M.E., Industrial Engineering
HOSNER, J. F., M.F., PH.D., Forestry
HOWES, C. E., M.S., PH.D., Poultry Science
HSU, S. T., M.S., D.SC., Mechanical Engineering
HUFFMAN, H., M.A., ED.D., Business Education
HUMBERT, R. L., A.M., J.D., Business Administration
HURST, H. T., M.S., Agricultural Engineering
HUTCHESON, T. B., Jr., M.S., PH.D., Agronomy
JACOBS, J. A., M.S., PH.D., Physics
JOHNS, V. O., M.A., PH.D., Economics
JOHNSON, J. M., M.S., PH.D., Agricultural Economics
JONES, A., M.A., PH.D., History and Political Science
JONES, JAMES BERNARD, M.E., M.S., M.M.E., Mechanical Engineering
JONES, JAMES BEVERLEY, M.S., PH.D., Mechanical Engineering
JORDAN, BETH C., M.S., Home Economics
JUDKINS, W. P., M.S., PH.D., Horticulture
KALISON, S. L., A.B., D.V.M., Veterinary Science
KELLY, R. F., M.S., PH.D., Animal Science
KING, K. W., M.S., PH.D., Biochemistry and Nutrition
KINNEAR, D. L., M.S., PH.D., Education and Psychology
KITE, G. D., M.S., Agricultural Engineering
KLINE, R. G., M.S., PH.D., Agricultural Economics
KOHLER, D. M., M.A., English
KRAMER, C. Y., M.S., PH.D., Statistics
KRUG, R. C., M.S., PH.D., Chemistry
LANE, M. D., M.S., PH.D., Biochemistry and Nutrition
LEINHARDT, T. E., M.S., PH.D., Physics
LEWIS, W. W., M.S., Agronomy
LIBKE, K. G., D.V.M., M.S., Veterinary Science
LILLARD, J. H., M.S., Agricultural Engineering
LITTON, G. W., M.S., Animal Science
LIVERMORE, D. U., M.S., Agricultural Economics
LOH, H.-Y., M.S., PH.D., Physics
LONG, C. H., M.S., Mechanical Engineering
LOPEZ, A., PH.D., Food Technology
LOVE, H. M., M.S., PH.D., Agricultural Economics
LOWRY, W. D., M.S., PH.D., Geology
LUCAS, J. R., M.S., Mining Engineering
MABIE, H. H., M.D., PH.D., Mechanical Engineering
MAHANEY, J. P., M.S., Mechanical Engineering
MAHER, F. J., M.S., Engineering Mechanics
MANNING, H. L., B.S., Industrial Engineering
MARLOWE, T. J., M.S., PH.D., Animal Science
MASSEY, P. H., Jr., M.S., PH.D., Horticulture
MAST, C. C., B.S., Animal Science
MATHEWS, G. R., B.S., Agronomy
MCCUBBIN, W. E., M.A., ED.D., Physical Education
MCFADDEN, L., M.A., PH.D., Mathematics
MILES, H. S., Jr., M.S., Mechanical Engineering
MILLER, B. O., M.A., PH.D., LL.D., Economics
MILLER, J. D., M.S., PH.D., Agronomy
MOORE, MARIAN E., S.M., PH.D., Human Nutrition and Foods
MOORE, W. E. C., M.S., PH.D., Veterinary Science
MORRIS, A. V., E.E., M.A., Mathematics
MORRIS, H. M., M.S., PH.D., Civil Engineering
MOSBY, H. S., M.F., PH.D., Wildlife Management
MUNDIE, E. W., B.S., Agricultural Engineering
MURRAY, J. W., PH.D., Chemistry
NICHOLS, J. R., M.S., PH.D., Dairy Science
OBENSHAIN, S. S., M.S., PH.D., Agronomy
OBERLE, G. D., M.S., PH.D., Horticulture

ORCUTT, F. S., M.S., PH.D., Biology
OSBORNE, J. C., MS., D.V.M., Veterinary Science
PARSONS, W. A., M.S., PH.D., Civil Engineering
PEACOCK, M. L., Jr., A.M., PH.D., English
PHILSON, MABEL K., M.S., PH.D., Management, Housing and Family Development
PLETTA, D. H., M.S., Engineering Mechanics
POULTON, J. F., M.S., Architecture
PRELAZ, L. J., B.S., Mining Engineering
REAVES, P. M., M.S.A., Dairy Science
RICH, C. I., M.S., PH.D., Agronomy
RICHARDSON, W., M.S., Physics
ROBESON, A., M.S., PH.D., Physics
ROLLINS, H. A. Jr., M.S., PH.D., Horticulture
ROSS, R. D., PH.D., Zoology
ROWELL, J. O., M.S., PH.D., Entomology
RUTLAND, L. W., Jr., M.S., PH.D., Mathematics
SCHAD, J. A., M.S., Industrial Arts Education
SCHNITZER, M. C., M.B.A., PH.D., Business Administration
SCOTT, W. W., M.S., PH.D., Botany
SETTLE, MARY B., M.S., Management, Housing and Family Development
SHEAR, G. M., M.S., PH.D., Plant Physiology
SIEGEL, P. B., M.S., PH.D., Poultry Science
SMITH, C. W., M.S., Engineering Mechanics
SMITH, R. L., M.S., PH.D., Industrial Engineering
SMITH, T. J., PH.D., Agronomy
SPENCER, H. E., A.M., PH.D., Mathematics
STARLING, T. M., M.S., PH.D., Agronomy
STONE, W. K., M.S., PH.D., Dairy Science
SWINK, E. T., M.S., Agricultural Engineering
TATE, L. B., M.A., PH.D., Rural Sociology
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VIRGINIA STATE COLLEGE

PETERSBURG, VIRGINIA

Founded by State of Virginia as Virginia Normal and Collegiate Institute 1882; opened 1883; name changed to Virginia Normal and Industrial Institute 1902; to Virginia State College for Negroes 1930; to Virginia State College 1946.

President: ROBERT P. DANIEL.
Treasurer and Comptroller: J. B. CEPHAS.
Dean: J. M. HUNTER.
Registrar: J. LOUISE BARRETT.

Number of teachers: 306.
Number of students: 7,877.

Includes the Norfolk Division at Norfolk, Va., the Extension Department, Summer School, and Laboratory Schools.

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The library contains 60,000 volumes.
Number of teachers: 70.
Number of students: 1,300.

WASHINGTON AND LEE UNIVERSITY

LEXINGTON, VIRGINIA 24450

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Founded as Augusta Academy 1749, chartered as Liberty Hall Academy 1782, name changed to Washington Academy 1798, to Washington College 1813, and to present name 1871.

President: FRED C. COLE, PH.D.
Treasurer: E. S. MATTINGLY, A.B.
Registrar: E. H. HOWARD, M.S.
Librarian: H. E. COLEMAN, Jr., A.M., L.S.

The library contains 195,000 volumes.
Number of teachers: 105.
Number of students (1964): 1,293.

DEANS:

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Law: C. P. LIGHT, Jr., LL.B.

WASHINGTON

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Founded 1891.

President: Dr. JAMES E. BROOKS.
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The library contains 105,000 volumes.
Number of teachers: 235.
Number of students: 4,700.

EASTERN WASHINGTON STATE COLLEGE

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Founded 1890.

President: DON S. PATTERSON.
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The library contains 140,000 volumes.
Number of teachers: 195.
Number of students: 2,684.

FORT WRIGHT COLLEGE of the Holy Names

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Founded 1907.

President: Sister MARIAN RAPHAEL.
Registrar: Sister LUCIAN MARY.
Librarian: Sister MARY FRANCIS.

The library contains 30,000 volumes (approx.).
Number of teachers: 47.
Number of students: 500 (approx.).

GONZAGA UNIVERSITY

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Founded 1887.

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Vice-President (Business Affairs): J. DUGGAN.
Director (Administration): J. F. GUBBINS.
Librarian: C. CAROLL.

Number of students: 2,245.

DEANS:

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Number of students: 1,500 (approx.).

ST. MARTIN'S COLLEGE

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Founded 1895.

President: Very Rev. MICHAEL FEENEY, O.S.B.

Registrar: Bro. K. MALVEY, O.S.B.
Librarian: Rev. L. O'DONNELL, O.S.B.

The library contains 38,000 volumes.
Number of teachers: 40.
Number of students: 415.

SEATTLE PACIFIC COLLEGE

3307 THIRD AVENUE WEST,
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Telephone: ATwater 4-7700.

Founded 1891.

President: C. DORR DEMARAY.
Registrar: E. W. HELSEL.
Librarian: MARTHANNA E. VEBLEN.

The library contains 60,000 volumes.
Number of teachers: 105.
Number of students: 1,700.

SEATTLE UNIVERSITY

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Founded 1891.

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Executive Vice-President: Rev. J. J. KELLEY, S.J.
Registrar: MARY A. LEE.
Treasurer: Rev. E. B. McNULTY, S.J.
Librarian: R. CROSS.

Number of teachers: 280.
Number of students: 3,842.
Publication: *Bulletin of Information.*

DEANS:

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School of Commerce and Finance: Dr. W. S. FOUNTAIN.
School of Education: Dr. H. D. REAS.
School of Engineering: D. W. SCHROEDER.
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College of Sister Formation: Sister JUDITH LANG, F.C.S.P.
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Registrar: Rev. W. S. MORRIS, S.S.
Librarian: Rev. J. McCORKLE, S.S.

The library contains 30,000 volumes.
Number of teachers: 24.
Number of students: 219.

UNIVERSITY OF PUGET SOUND

TACOMA, WASHINGTON 98416

Telephone: SKyline 9-3521.

Founded 1888.

President: Dr. R. FRANKLIN THOMPSON.
Vice-Presidents: G. W. BANKS, R. D. SMITH.
Registrar: Mrs. HELEN W. BAY.
Librarian: W. D. TAYLOR.

Number of teachers: 82 full-time.
Number of students: 1,820 full-time.

DEANS:

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Graduate School: N. F. THOMAS.
Dean of Students: R. D. SMITH.

DIRECTORS:

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School of Business Administration: R. H. BOCK.
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Established by legislature 1861.

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Library: *see* Libraries.
Number of teachers: 1,466, full-time faculty.
Number of students: 22,930.
Publications: *Biochemistry, College of Education Record, Journal of College Composition and Communication, Journal of Economic History, Journal of Limnology and Oceanography, Journal of Speech and Hearing Disorders, Modern Language Quarterly, Pacific Northwest Quarterly, Poetry Northwest, Scandinavian Studies, Trend in Engineering, University of Washington Business Review, Washington Law Review.*

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YERXA, F. W., A.B., Communications
ZETLIN, E. R., HON. D.MUS., School of Music
ZILLMAN, L. J., PH.D., English
ZUCKERMAN, H. S., M.S., PH.D., Mathematics

College of Business Administration:
ARCHER, S. H., M.A., PH.D., Finance and Statistics
BARNOWE, T. J., M.A., PH.D., Policy, Personnel Relations and Production
BERG, K., M.S., PH.D., C.P.A., Accounting, Finance and Statistics
BOURQUE, P. J., M.A., PH.D., General Business
BREWER, S. H., M.B.A., I.C.C., F.M.B., Marketing, Transportation and International Business
BROWN, E. G., M.B.A., Policy, Personnel Relations and Production
CHAMBERS, E. J., M.A., PH.D., General Business
ETCHESON, W. W., M.A., PH.D., Bureau of Business Research
FRENCH, W. L., M.P.S., D.ED., Policy, Personnel Relations and Production
GOLDBERG, L. D., J.D., General Business
GORDON, G. G., M.B.A., PH.D., Marketing, Transportation and International Business
HANSON, K. O., M.S., PH.D., Accounting, Finance and Statistics
HENNING, C. N., M.A., PH.D., Accounting, Finance and Statistics
HENNING, D. A., M.B.A., PH.D., Policy, Personnel Relations and Production
JOHNSON, R. A., M.B.A., D.B.A., Policy, Personnel Relations and Production
JOLIVET, V. M., M.B.A., D.B.A., Finance and Statistics
KAST, F. E., M.B.A., D.B.A., Policy
KOLDE, E. J., D.H.S., M.A., D.B.A., Marketing, Transportation and International Business
LE BRETON, P. P., M.B.A., PH.D., Policy
LI, D. H.-F., M.B.A., PH.D., Accounting
LITTLE, W. I., M.S., PH.D., Marketing, Transportation and International Business
LORIG, A. N., M.A., PH.D., C.P.A., Accounting, Finance and Statistics
MARCUS, S., M.B.A., LL.B., D.B.A., General Business
MILLER, C. J., B.B.A., M.A., Marketing, Transportation and International Business
NELSON, R. A., M.B.A., PH.D., Policy, Personnel Relations and Production
PECK, C. E., M.A., PH.D., Marketing, Transportation and International Business
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ROLLER, J. A., B.B.A., Accounting
ROSENZWEIG, J. E., M.B.A., PH.D., Policy, Personnel Relations and Production
SCHRIEBER, A. N., M.B.A., Policy, Personnel Relations and Production
SUTERMEISTER, R. A., M.A., Policy, Personnel Relations and Production
WAGNER, L. C., B.B.A., M.A., Marketing, Transportation and International Business
WALKER, L. M., M.B.A., C.P.A., Accounting, Finance and Statistics
WHEELER, B. O., M.A., PH.D., General Business

College of Education:
BAILY, A. R., M.A., ED.D.
BOROUGHS, H., Jr., M.A., PH.D.
CORBALLY, J. E., B.A., M.A., PH.D.
FEA, H. R., B.ED., M.ED., PH.D.
FREEHILL, M. F., M.A., ED.D.
GILES, F. T., M.A., ED.D.
HARING, N. G., M.A., ED.D.
HAYDEN, ALICE H. E., M.S., PH.D.
HUNT, J. T., M.S., PH.D.
JAROLIMEK, J., M.A., PH.D.
LEE, G. C., M.A., PH.D.
POWERS, F. F., M.A., PH.D.
STRAYER, G. D., Jr., M.A., PH.D.
TORKELSON, G. M., PH.D., ED.D.

College of Engineering:
ANDERSON, D. L., B.SC., B.S., Mineral Engineering
BABB, A. L., M.S., PH.D., Chemical and Nuclear Engineering
BALISE, P. L., S.M., Mechanical Engineering
BERGSETH, F. R., S.M. IN E.E., Electrical Engineering
BJORKSTAM, J. L., M.S. IN E.E., Electrical Engineering
BOEHMER, H., M.S. IN A.E., General Engineering
BOGAN, R. H., M.S., SC.D., Civil Engineering
BOLLARD, R. J. H., M.E., PH.D., Aeronautical Engineering
BRIEN, F. B., M.S., Mineral Engineering
CAMPBELL, T. H., M.S. IN C.E., Civil Engineering
CHAPMAN, S. W., PH.D., Humanistic-Social Studies
CHILDS, M. E., M.S., PH.D., Mechanical Engineering
CLANTON, J. R., M.S. IN C.E., Civil Engineering
COCHRAN, L. B., E.E., Electrical Engineering
DAVID, M. M., D.ENG., Chemical Engineering
DAY, E. E., B.S., M.S., Mechanical Engineering
DILL, E. H., M.S., PH.D., Aeronautics and Astronautics
DOUGLASS, C. E., B.S., General Engineering
EASTMAN, A. V., M.S. IN E.E., Electrical Engineering
EASTMAN, F. S., M.S., Aeronautical Engineering
ESKE, M. I., M.S., Civil Engineering
FIREY, J. C., M.S. IN M.E., Mechanical Engineering
GANZER, V. M., B.A., B.S. IN A.E., Aeronautical Engineering
HAMMER, V. B., B.S. IN C.E., General Engineering
HARRISON, A. E., M.S., PH.D., Electrical Engineering
HARTZ, B. J., M.S., PH.D., Civil Engineering
HENNES, R. G., M.S., Civil Engineering
HILL, W. R., Jr., M.S. IN E.E., E.E., Electrical Engineering
HORWOOD, E. M., M.S., PH.D., Civil Engineering
ISHIMARU, AKIRA, PH.D., Electrical Engineering
JOHANSON, L. N., M.S., PH.D., Chemical Engineering
JOHNSON, D. L., PH.D., Electrical Engineering
KIPPENHAM, C. J., M.S.M.E., PH.D., Mechanical Engineering
KOBAYASHI, A. S., M.S., PH.D., Mechanical Engineering
LEWIS, L. J., PH.D., Electrical Engineering
McCARTHY, J. L., M.S., PH.D., Chemical Engineering
McFERON, D. E., M.S. IN M.E., PH.D., Mechanical Engineering
MARTIN, H. C., M.S., PH.D., Aeronautical Engineering
MATTOCK, A. H., M.SC., PH.D., Civil Engineering
MILLS, B. D., Jr., M.S. IN M.E., M.E., Mechanical Engineering
MORITZ, H. K., B.S. IN M.E., Civil Engineering
MORRISON, J. B., M.S. IN M.E., Mechanical Engineering
MOULTON, R. W., M.S. IN CH.E., PH.D., Chemical Engineering
MUELLER, J. I., PH.D., Mineral Engineering
NORRIS, C. H., S.M., SC.D., Civil Engineering
PIFER, D. A., M.S. IN MIN.E., Mineral Engineering
POLONIS, D. H., M.A.SC., PH.D., Mineral Engineering
REYNOLDS, D. K., M.A., PH.D., Electrical Engineering
RHODES, F. H., Jr., B.S. IN M.E., B.S. IN C.E., C.E., Civil Engineering
ROGERS, W. E., M.S., IN. E.E., Electrical Engineering
SARKENEN, K., M.SC., PH.D., Chemical Engineering and Forestry
SERGEV, S. I., M.E., Civil Engineering
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VASARHELYI, D. D., DR.ING., Civil Engineering
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WESSMAN, H. E., M.S., C.E., PH.D., Civil Engineering

College of Fisheries:
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LISTON, J., PH.D.
ROYCE, W. F., PH.D., Fisheries Research Institute
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College of Forestry:
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BROCKMAN, C. F., M.S.,
DRIVER, C. H., M.S.F., PH.D.
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GARDNER, H. S., S.M., SC.D.
GESSEL, S. P., PH.D.
PEARCE, J. K., B.S.F.
ROBERTSON, J. C. H., M.S.F., D.F.
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SCHAEFFER, W. H., M.S.F., PH.D.
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STENZEL, G., M.F.

Graduate School
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BEVIS, L. DOROTHY, B.S., M.A., Graduate School of Librarianship
DENNY, B. C., M.A., PH.D., Graduate School of Public Affairs
LIEBERMAN, I., M.A., ED.D., Graduate School of Librarianship

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MORRISON, K. N., D.D.S., M.S., Fixed Partial Dentures
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SCHLUGER, S., D.D.S., Periodontics and Endodontics
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STIBBS, G. D., D.M.D., Operative Dentistry

School of Law:
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COSWAY, P. R., A.B., LL.B.
CROSS, H. M., B.A., LL.B.
FLETCHER, R. L., A.B., LL.B.
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MEISENHOLDER, R., J.D., S.J.D.
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VERNON, D., LL.M., J.S.D.

School of Medicine:
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ALVORD, E. C., B.S., M.D., Pathology
ANSELL, J. S., B.A., M.D., PH.D., Urology
BASSETT, D. L., A.B., M.D., Biological Structure
BENDITT, E. P., B.A., M.D., Pathology
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BLANDAU, R. J., A.B., PH.D., M.D., Biological Structure
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BRUCE, R. A., B.S., M.S., M.D., Medicine
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DILLE, J. M., B.S., M.S., PH.D., M.D., Pharmacology
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EVANS, C. A., B.S., B.M., M.D., PH.D., Microbiology
EVANS, R. S., B.S., M.D., Medicine
EVERETT, N. B., B.S., M.S., PH.D., Biological Structure
FIGLEY, M. M., M.D., Radiology
FINCH, C. A., B.S., M.D., Medicine
FINK, B. R., B.S., B.SC., M.D., Anæsthesiology
FISCHER, E. H., PH.D., Biochemistry
FOLTZ, E. L., M.S., M.D., Surgery—Neurosurgery
FOX, J. P., B.S., M.D., PH.D., M.PH., Preventive Medicine
GARTLER, S. M., B.S., PH.D., Medical Genetics
GRAYSTON, J. T., B.S., M.D., M.S., Preventive Medicine
GROMAN, N. B., S.B., PH.D., Microbiology
HANAHAN, D. J., B.S., PH.D., Biochemistry
HARKINS, H. N., B.S., M.S., PH.D., M.D., Surgery
HENRY, B. S., B.S., M.A., PH.D., Microbiology
HERRMANN, W., B.MED.SC., M.D., Obstetrics and Gynæcology
HOGNESS, J. R., B.S., M.D., Medicine
HOLMES, T. H., III, A.B., M.D., Psychiatry
HUNTER, C. A., A.B., M.D., Obstetrics and Gynæcology
JENSEN, L. H., B.A., PH.D., Biological Structure
KELLEY, V. C., B.A., B.S., M.B., M.S., M.D., PH.D., Pædiatrics
KIRBY, W. M. M., B.S., M.D., Medicine
KREBS, E. G., B.S., M.D., Biochemistry
LEHMANN, J. F., M.D., Physical Medicine and Rehabilitation
LOOMIS, T. A., B.S., M.S., PH.D., M.D., Pharmacology
MACKLER, B., M.D., Pædiatrics
MERENDINO, K. A., B.A., M.D., PH.D., Surgery
MOTULSKY, A., B.S., M.D., Genetics
NEURATH, H., PH.D., Biochemistry
NYHUS, L. M., B.A., M.D., Surgery
OLIVER, T. K., M.D., Pædiatrics
ORDAL, E. J., B.A., PH.D., Microbiology
PATTON, H. D., B.A., PH.D., M.D., Physiology and Biophysics
PETERSDORF, R. G., B.A., M.D., Medicine
PREHN, R. T., M.D., Pathology
RIPLEY, H. S., A.B., M.D., Psychiatry
ROOSEN-RUNGE, E. R. C., M.D., Biological Structure
RUBIN, C. E., A.B., M.D., Medicine
RUCH, T. C., B.A., B.SC., M.A., PH.D., Physiology and Biophysics
RUSHMER, R. F., B.S., M.D., Physiology and Biophysics
RUTTER, W. J., M.S., PH.D., Biochemistry
SCHER, A. M., B.A., PH.D., Physiology and Biophysics
SCRIBNER, B. H., A.B., M.D., M.S., Medicine
SHERRIS, J. C., M.R.C.S., L.R.C.P., M.B., B.S., M.D., Microbiology
SMITH, N. J., B.A., M.D., Pædiatrics
SREEBNY, L. M., D.D.S., M.S., PH.D., Pathology and Oral Biology
STROTHER, C. R., B.A., M.A., PH.D., Psychiatry and Psychology
THOMAS, E. D., B.A., M.A., M.D., Medicine
TOWE, A. L., PH.D., Physiology and Biophysics
VOLWILER, W., A.B., M.D., Medicine
WARD, A. A., B.A., M.D., Surgery
WEDGWOOD, R. J., M.D., Pædiatrics
WEISER, R. S., B.S., M.S., PH.D., Microbiology
WEST, T. C., B.S., M.S., PH.D., Pharmacology
WILLIAMS, R. H., A.B., M.D., Medicine
WILCOX, P. E., PH.D., Biochemistry
WOODBURY, J. W., B.S., M.S., PH.D., Physiology and Biophysics
YOUNG, A. C., M.A., PH.D., Physiology and Biophysics

School of Nursing:
GIBLIN, ELIZABETH, C., B.S., M.D., ED.D.
HOFFMAN, KATHERINE J., R.N., A.B., M.N., PH.D.
MURRAY, B. LOUISE, B.S., M.N.
TSCHUDIN, MARY S., R.N., B.S., C.P.H.N., M.S. PH.D.

College of Pharmacy:
FISCHER, L., PH.C., B.S., M.S., PH.D.
HALL, N. A., B.S., PH.D.
HAMMARLUND, E. R., B.S., M.S., PH.D.
HUITRIC, A. C., B.S., M.S., PH.D.
KRUPSKI, E., B.S., M.S., PH.D.
MCCARTHY, W. C., B.S., PH.D.
ORR, J. E., B.S., PH.D.
PLEIN, E. M., B.S., M.S., PH.D.
RISING, L. W., B.S., PH.D., PH.G., M.S., PH.D.
TYLER, V. E., Jr., B.S., M.S., PH.D.

School of Social Work
ABRAHAMSON, A. C., M.A.
BRINK, C. B., M.SC., CERT. PSYCHI.
GRONEWOLD, D. H., M.A.
HUNT, MARGUERITE, M.S.
MAIER, H. W., M.S.SC., PH.D.
PARSONS, J. R., M.A., M.S., PH.D.

WALLA WALLA COLLEGE

COLLEGE PLACE,
WASHINGTON 99324
Telephone: JAckson 5-7560.

Founded 1892.

President: WILLIAM H. SHEPHARD.
Registrar: ORPHA OSBORNE.
Academic Dean: H. L. RASMUSSEN.
Librarian: MYRTLE ROWSE.

The library contains 75,000 volumes.
Number of teachers: 103.
Number of students: 1,400.

WASHINGTON STATE UNIVERSITY

PULLMAN, WASHINGTON

Founded (as College) 1890;
University 1959.

President: C. CLEMENT FRENCH, M.S., PH.D., LL.D.
Secretary and Registrar: C. SIMPSON, B.ED., M.A.
Business Manager: C. A. PETTIBONE, B.A.
Librarian: G. D. SMITH, M.A., PH.D.

The library contains 750,000 volumes.
Number of teachers: 518.
Number of students: 4,800 men, 2,600 women, total 7,400.

DEANS:

College of Agriculture: G. W. FISCHER (acting).
School of Economics and Business: E. CLARK, A.M., PH.D.
School of Education: Z. B. KATTERLE, M.A., ED.D.
College of Engineering and Mineral Technology: J. P. SPIELMAN, B.S.
Graduate School: D. S. FARNER, M.A., PH.D.
College of Home Economics: JANE E. WERDEN, M.S., PH.D.
School of Pharmacy: A. I. WHITE, M.S., PH.D.
School of Physical Education and Recreation: G. ROMNEY, PH.D.

College of Sciences and Arts: A. W. Thompson, A.M., Ph.D.
Students: J. Clevenger, E.D.M., Ed.D.
College of Veterinary Medicine: E. C. Stone, D.V.M., M.S.
Dean of the Faculty: S. T. Stephenson, Ph.D., D.Sc.

WHITMAN COLLEGE

BOYER AVENUE,
WALLA WALLA, WASHINGTON
Telephone: JAckson 9-5100.
Founded 1859.

President: Louis B. Perry.
Registrar: A. I. Glenny.
Librarian: Ruth S. Reynolds.

The library contains 120,162 volumes.
Number of teachers: 68 full-time.
Number of students: 1,035.

WHITWORTH COLLEGE

SPOKANE, WASHINGTON 99218
Telephone: HUdson 9-3550.
Founded 1890.

President: Dr. Mark L. Koehler.
Registrar: Miss Estella Baldwin.
Librarian: Miss Flaval Pearson.

The library contains 50,000 volumes.
Number of teachers: 70.
Number of students: 1,973.

WEST VIRGINIA

ALDERSON-BROADDUS COLLEGE

PHILIPPI, WEST VIRGINIA
Telephone: Area Code 304, 457-1700.
Founded 1871.

President: Dr. Richard E. Shearer.
Registrar: Mrs. Gladys V. Lind.
Director of Admissions: J. D. Bartlett.
Librarian: Mrs. Nelle M. Griffin.

The library contains 35,000 volumes.
Number of teachers: 45.
Number of students: 554.

BETHANY COLLEGE

BETHANY, WEST VIRGINIA
Founded 1840.

President: Perry E. Gresham.
Dean of Faculty: J. R. Sala.
Vice-President: W. G. Peterson.
Registrar: Luta M. Gordon.
Director of Admissions: J. A. Graham.
Dean of Students: R. A. Sandercox.
Librarian: J. J. Clopine.

The library contains 80,000 volumes.
Number of teachers: 56, including 15 professors.
Number of students: 1,000.
Publications: *The literary Harbinger, The Bethanian, The Tower, The Handbook.*

Deans:

Students: R. Sandercox.
Women: Darlene Nicholson.

BLUEFIELD STATE COLLEGE

BLUEFIELD, WEST VIRGINIA
Telephone: 325-7102.
Founded 1895.

President: LeRoy B. Allen, Ph.D.
Registrar: E. W. Browne, M.A.
Librarian: Miss Hilda McKiever.

The library contains 35,000 volumes.
Number of teachers: 45.
Number of students: 1,000.

CONCORD COLLEGE

ATHENS, WEST VIRGINIA 24712
Telephone: Area Code 304, 384-3115.
Founded 1872.

President: Joseph F. Marsh.
Registrar: M. C. Edge.
Librarian: A. C. Flandreau.

The library contains 50,000 volumes.
Number of teachers: 90.
Number of students: 1,850 (approx.).

DAVIS AND ELKINS COLLEGE

ELKINS, WEST VIRGINIA
Telephone: 636-1900.
Founded 1904.

President: Gordon E. Hermanson.
Registrar: Dr. Anna D. Kek.
Director of the Library: Dr. J. E. Dow.

The library contains 42,700 volumes.
Number of teachers: 44 full-time, 4 part-time.
Number of students: 600.

FAIRMONT STATE COLLEGE

FAIRMONT, WEST VIRGINIA
Telephone: Fairmont 363-4000.
Founded 1867.

President: Dr. Eston K. Feaster.
Registrar: Otis H. Milam, Jr.
Librarian: Mrs. Josephine L. Rosier.

The library contains 60,000 volumes.
Number of teachers: 88.
Number of students: 1,750.

GLENVILLE STATE COLLEGE

GLENVILLE, WEST VIRGINIA 26351
Telephone: Area Code 304, 462-7361.
Founded 1872.

President: Dr. D. Banks Wilburn.
Registrar: Beryl Langford.
Librarian: A. P. Carlson.

The library contains 49,644 volumes.
Number of teachers: 50.
Number of students: 1,062.

MARSHALL UNIVERSITY

HUNTINGTON,
WEST VIRGINIA 25701
Telephone: 523-3411.
Founded 1837.

President: Dr. Stewart H. Smith.
Registrar: L. E. Bledsoe.
Librarian: H. Apel.

The library contains 135,000 volumes.
Number of teachers: 250.
Number of students: 5,246 (approx.).

MORRIS HARVEY COLLEGE

2300 MACCORKLE AVENUE S.E.,
CHARLESTON,
WEST VIRGINIA 25304
Telephone: 346-9471.
Founded 1888.

President: Marshall Buckalew.
Registrar: T. J. McGinnis, Jr.
Director of Freshman Admissions: W. J. Briggs, Jr.
Librarian: F. W. Badger.

The library contains 45,000 volumes.
Number of teachers: 84 full-time.
Number of students: 1,411 full-time.

SALEM COLLEGE

SALEM, WEST VIRGINIA
Telephone: Area Code 304, 782-2500.
Founded 1887.

President: K. Duane Hurley.
Registrar: D. K. Zwiebel.
Librarian: Sara Graham.

The library contains 32,000 volumes.
Number of teachers: 63 full-time.
Number of students: 1,200.

SHEPHERD COLLEGE

SHEPHERDSTOWN,
WEST VIRGINIA
Telephone: 876-2241.
Founded 1871.

President: Dr. Oliver S. Ikenberry.
Registrar: A. P. Rider.
Librarian: F. Miller.

The library contains 39,500 volumes.
Number of teachers: 55
Number of students: 1,101.

WEST LIBERTY STATE COLLEGE

WEST LIBERTY,
WEST VIRGINIA 26074
Telephone: Area Code 304, 336-7232.
Founded 1837.

President: Dr. Paul N. Elbin.
Registrar: Dr. J. J. Pugh.
Librarian: D. R. Strong.

The library contains 45,000 volumes.
Number of teachers: 123.
Number of students: 1,808.

WEST VIRGINIA INSTITUTE OF TECHNOLOGY

MONTGOMERY,
WEST VIRGINIA 25136
Telephone: Area Code 304, 442-9581.
Founded 1895.

President: Dr. Leonard C. Nelson.
Registrar and Director of Admissions: Annie L. Castle.
Librarian: (Vacant).

The library contains 40,000 volumes.
Number of teachers: 104.
Number of students: 1,600.

WEST VIRGINIA STATE COLLEGE
INSTITUTE, WEST VIRGINIA

Founded 1891 as a land-grant college by West Virginia Legislature.

President: WILLIAM J. L. WALLACE, PH.D.
Dean: H. H. FERRELL, PH.D.
Business Manager: R. B. WELCH.
Registrar: J. D. ANDERSON.
Librarian: J. E. SCOTT.

The library contains 62,072 volumes.
Number of teachers: 128.
Number of students: 1,708 men, 928 women, total 2,636.

DEANS:

Summer Session: H. H. FERRELL, PH.D. (Director).
Men: J. KELLY, Jr.
Women: W. P. RUSSELL.

WEST VIRGINIA UNIVERSITY
MORGANTOWN, WEST VIRGINIA

Founded 1867.

President: PAUL A. MILLER, PH.D.
Assistant to the President: H. J. SHAMBERGER, M.P.A.
Provost: J. F. GOLAY, D.PHIL. (Oxon.).
Vice-President—Medical Center: K. E. PENROD, PH.D.
Vice-President—Administration and Finance: H. HEFFLIN, PH.D.
Vice-President—Appalacian Center: E. J. NESIUS, PH.D.

The library contains over 600,000 volumes.
Number of teachers: 750.
Number of students: 6,038 men, 2,617 women, total 8,655.
Publication: *West Virginia University Bulletin*, monthly during the University year.

DEANS:

College of Agriculture, Forestry and Home Economics: R. S. DUNBAR, PH.D.
College of Arts and Sciences: C. M. FRASURE, PH.D.
College of Commerce: T. C. CAMPBELL, PH.D. (acting).
College of Education: E. R. BOGGS, PH.D.
College of Engineering: C. A. ARENTS, M.E.
College of Law: C. P. SELBY, Jr., LL.B.
College of Pharmacy: R. O. BACHMANN, PH.D.
School of Journalism: Q. C. WILSON, PH.D.
School of Medicine: C. K. SLEETH, M.D.
School of Dentistry: K. V. RANDOLPH, D.D.S.
School of Mines: C. T. HOLLAND, M.S.E.M.
Creative Arts Center: R. E. DUNCAN, PH.D.
School of Physical Health and Education, Recreation and Safety: R. O. DUNCAN, PH.D.
School of Nursing: DOROTHY M. MAJOR, ED.D.
Graduate School: J. F. GULAY, D.PHIL. (Oxon.).
Student Affairs: J. C. GLUCK, B.D.

WHEELING COLLEGE
WHEELING, WEST VIRGINIA

Founded 1954.

President: Very Rev. WILLIAM F. TROY, S.J.
Registrar: C. E. FYE, Jr.
Business Officer: G. ZORN, S.J.
Dean: J. A. BURKE, S.J.
Librarian: EILEEN CARPINO.

Number of students: 700.

DEANS:

Students: W. K. MCGROARTY.
Women: ANNE M. BARRY.
Summer Session: J. A. BURKE, S.J.

WISCONSIN

ALVERNO COLLEGE
3401 SOUTH 39 STREET, MILWAUKEE, WISCONSIN 53215
Telephone: 671-5400.

Founded 1887.

President: Sister M. AUGUSTINE, O.S.F.
Registrar: Sister M. EDMUND, O.S.F.
Director of Admissions: Sister M. AQUINAS, O.S.F.
Librarian: Sister M. ANDRE, O.S.F.

The library contains 57,000 volumes.
Number of teachers: 100.
Number of students: 1,304.

BELOIT COLLEGE
BELOIT, WISCONSIN

Chartered 1846.

President: MILLER UPTON, PH.D.
Vice-President for Business Operations: D. MARBURG, B.S.
Vice-President for Development: P. A. PRATT, B.A.
Secretary: A. B. ADAMS.
Dean: I. M. STONE.
Dean of Students: J. P. GWIN.

Number of teachers: 108.
Number of students: 1,046.
Publications: *The Round Table* (weekly), *The Gold* (annual), *The Bulletin of Beloit College* (two monthly), *Alma Mater* (quarterly), *Trends* (quarterly), *President's Report* (annual).

THE CARDINAL STRITCH COLLEGE
6801 N. YATES ROAD, MILWAUKEE, WISCONSIN 53217
Telephone: Area Code 414, 352-5400.

Founded 1937.

President: Sister MARY AQUIN, O.S.F.
Registrar: Sister MARY MAGDELEINE, O.S.F.
Librarian: Sister MARY STEPHANIE, O.S.F.

The library contains 32,500 volumes.
Number of teachers: 50.
Number of students: 450.

CARTHAGE COLLEGE
2001 ALFORD DRIVE, KENOSHA, WISCONSIN 53140
Telephone: 658-2331.

Founded 1847.

President: Dr. HAROLD H. LENTZ.
Registrar: Dr. G. F. BOYER.
Librarian: J. P. BISHOP.

The library contains 60,000 volumes (approx.).
Number of teachers: 71.
Number of students: 1,170 full-time, 600 part-time.

DOMINICAN COLLEGE
5915 ERIE STREET, RACINE, WISCONSIN 53402
Telephone: 639-1211.

Founded 1946.

President: Sister M. ROSITA, O.P.
Director of Admissions: Sister M. ANNE, O.P.
Librarian: Sister M. HELEN, O.P.

The library contains 30,000 volumes.
Number of teachers: 50.
Number of students: 650.

EDGEWOOD COLLEGE OF THE SACRED HEART
855 WOODROW STREET, MADISON, WISCONSIN
Telephone: Al. 7-4861.

Founded 1927.

President: Sister MARY NONA.
Registrar: Miss JEANNE MIKULEC.
Librarian: Sister MARY JEROME.

The library contains 30,000 volumes.
Number of teachers: 60.
Number of students: 700.

HOLY FAMILY COLLEGE
MANITOWOC, WISCONSIN
Telephone: 684-6691.

Founded 1935.

President: Sister M. BRIDEEN, O.S.F.
Registrar: Sister MARY DORIS, O.S.F.
Librarian: Sister M. JOSEPHA, O.S.F.

The library contains 30,000 volumes (approx.).
Number of teachers: 35 full-time.
Number of students: 468.

LAKELAND COLLEGE
POST OFFICE BOX 359, SHEBOYGAN, WISCONSIN 53082
Telephone: Area Code 414, 565-2011.

Founded 1862.

President: Dr. JOHN B. MORLAND.
Registrar: J. C. ALLEN.
Librarian: C. KAUDERER.

The library contains 33,000 volumes.
Number of teachers: 36.
Number of students: 525.

LAWRENCE UNIVERSITY

APPLETON, WISCONSIN

Telephone: Regent 9-3681.

Founded 1847 as Lawrence College; University 1964.

President: CURTIS W. TARR.
Business Manager: M. O. WROLSTAD.
Registrar: DOROTHY DRAHEIM.
Librarian: H. A. BRUBAKER.

Number of teachers: 116, including 33 professors.

Number of students: 702 men, 559 women, total 1,261.

Publications: *Bulletin, Annual Report*, etc.

DEANS:

College: M. B. HULBERT.
Men: K. R. VENDERBUSH.
Women: MARY E. MORTON.

MARIAN COLLEGE OF FOND DU LAC

400 EAST DIVISION STREET, FOND DU LAC, WISCONSIN

Telephone: 414—922-1360.

Founded 1936.

President: Sister MARY SHEILA, C.S.A.
Dean of Admissions: Sister M. BONITA, C.S.A.
Librarian: Sister MARY PATRICK, C.S.A.

The library contains 42,000 volumes.
Number of teachers: 35.
Number of students: 437.

MARQUETTE UNIVERSITY

MILWAUKEE, WISCONSIN 53233

Telephone: 414-344-1000.

Founded 1864 as Marquette College; chartered as a university in 1907.

President: Very Rev. JOHN P. RAYNOR, S.J., M.A., PH.D.
Chancellor: Rev. E. J. O'DONNELL, S.J., LL.D.
Vice-Presidents: A. C. MOELLER, M.S., PH.D., Rev. R. R. MCAULEY, S.J., M.A.
Registrar: R. S. GAWKOSKI, A.M., PH.D.

Number of books in library: 354,000.
Number of teachers: 1,394.
Number of students: 8,230 men, 5,559 women, total 13,789.

Publications: *Marquette University Bulletin* (published monthly), *The Marquette Law Review* (published quarterly), *The Marquette Journal* (published quarterly), *The Marquette Tribune* (published twice weekly), *Business Review* (quarterly), *Fresh Ink* (annual), *Marquette Magazine* (quarterly), *The Marquette Alumnus* (monthly), *The Marquette Medical Review* (quarterly).

DEANS AND DIRECTORS:

College of Business Administration: T. R. MARTIN, M.B.A., PH.D.
School of Dentistry: L. C. ALEXANDER, D.D.S.
Dental Hygiene Curricula: ELIZABETH M. LINN, B.S.
College of Engineering: J. E. MATAR, M.S., PH.D.
Graduate School: Rev. L. W. FRIEDRICH, S.J., M.S., PH.D.
College of Journalism: C. L. HELBERT, M.A.
Law School: R. F. BODEN, LL.B.
College of Liberal Arts: Rev. R. G. GASSERT, S.J., S.T.D.
School of Medicine: G. A. KERRIGAN, M.D.
Medical Technology Curriculum: ALICE M. SEMRAD, M.S. (Director).
Physical Therapy Curriculum: BETH J. PHILLIPS, M.A. (Director).
College of Nursing: Sister M. THOMAS KOLBA, O.S.F., M.S.
School of Speech: H. E. HELLMAN, M.A., PH.D.
Summer Session and Continuing Education: L. C. VACCARO, M.A., ED.D.

MOUNT MARY COLLEGE

MILWAUKEE, WISCONSIN 53222

Telephone: 258-2154.

Founded 1913.

President: Sister M. JOHN FRANCIS, S.S.N.D.
Director of Admissions: Sister M. MARIS STELLA.
Librarian: Sister M. ANGELA MERICI.

The library contains 60,000 volumes.
Number of teachers: 117.
Number of students: 1,226.

NORTHLAND COLLEGE

ASHLAND, WISCONSIN 54806

Telephone: 682-4531.

Founded 1892.

President: Dr. RICHARD P. BAILEY.
Registrar: L. E. CHURCH.
Librarian: SIGRID HOLTER.

The library contains 36,000 volumes.
Number of teachers: 45.
Number of students: 650.

RIPON COLLEGE

RIPON, WISCONSIN

Founded 1851.

President: FRED O. PINKHAM, ED.D., LL.D.
Secretary: W. A. ROYCE.
Treasurer: R. B. GROUT.
Librarian: W. R. BRANDT, A.B., B.S.

The library contains 75,000 volumes.
Number of teachers: 70, including 23 full professors.
Number of students: 570 men, 360 women, total 930.

DEANS:

Dean of the College: R. P. ASHLEY, PH.D.
Men: D. L. HARRIS, M.A., LITT.M.
Women: JEAN VAN HENGEL, M.A.

SAINT FRANCIS SEMINARY

3257 SOUTH LAKE DRIVE, MILWAUKEE, WISCONSIN 53207

Telephone: 744-1730.

Founded 1856.

Rector: Very Rev. WILLIAM N. SCHUIT.
Registrar: Rev. F. J. BISENIUS.
Librarian: Rev. R. A. FETTERER.

The library contains 47,000 volumes.
Number of teachers: 20.
Number of students: 290.

ST. NORBERT COLLEGE

WEST DE PERE, WISCONSIN

Telephone: 336-4201.

Founded 1898.

President: Very Rev. D. M. BURKE, O.P.
Registrar: W. HARRISON.
Librarian: D. L. PIETERS.

The library contains 49,259 volumes.
Number of teachers: 80 full-time, 26 part-time.
Number of students: 1,500.

STOUT STATE UNIVERSITY

MENOMONIE, WISCONSIN

Telephone: Area Code 715, 235-5541.

Founded 1893.

President: Dr. WILLIAM J. MICHEELS.
Registrar: F. BELISLE.
Librarian: Miss PHYLLIS BENTLEY.

The library contains 70,000 volumes (approx.).
Number of teachers: 142.
Number of students: 2,330.

UNIVERSITY OF WISCONSIN

MADISON 6, WISCONSIN

Founded 1848.

Central Administration

President: FRED H. HARRINGTON, PH.D., LL.D.
Vice-President: R. L. CLODIUS, PH.D.
Vice-President for Administration: C. A. ENGMAN, Jr., M.S.
Vice-President, Business and Finance, and Trust Officer: N. G. CAFFERTY, B.S.
Dean for Public Services: L. E. LUBERG, PH.D.
Dean for Student Affairs: MARTHA E. PETERSON, PH.D.
Co-ordinator of Institutional Studies: L. J. LINS, PH.D.
Secretary of the Regents: C. SMITH, PH.D.

Madison Campus

Chancellor: ROBBEN W. FLEMING, LL.B.
Dean of Student Affairs Division: J. KAUFFMAN, ED.D.
Registrar: K. KALB, B.A.
Director of Admissions: W. L. KUCKKAHN, M.S.
Director of Libraries: L. KAPLAN, PH.D.
Secretary of the Faculty: A. W. WHITE. B.A.

Library: *see* Libraries.
Number of teachers: 2,432.
Number of students (1965–66): 18,212 men, 11,087 women, total 29,299.

DEANS:

College of Letters and Science: L. D. EPSTEIN, PH.D.
College of Engineering: K. F. WENDT, B.S.

College of Agriculture: R. K. FROKER, M.A.
School of Education: L. J. STILES, ED.D.
School of Commerce: E. A. GAUMNITZ, PH.D.
School of Pharmacy: A. H. UHL, PH.D.
Law School: G. H. YOUNG, B.A., LL.B.
Medical School: P. L. EICHMANN, M.D.
School of Home Economics: RITA L. YOUMANS, PH.D. (Associate Dean).
School of Journalism: R. O. NAFZIGER, PH.D. (Director).
School of Music: D. W. GILBERT, M.M. (Chairman).
School of Nursing: HELEN L. BUNGE, ED.D. (Associate Dean and Director).
Library School: MARGARET E. MONROE, D.L.S.
Graduate School: R. A. ALBERTY, PH.D.
Women: PATRICIA TAUTFEST, PH.D. (acting).
Summer Sessions: C. A. SCHOENFELD, M.A. (Director).

University Center Systems

Chancellor: LORENTZ H. ADOLFSON.

Number of teachers (1963-64): 202.
Number of students (1965-66): 2,893 men, 1,877 women, total 4,770.

DEANS:

Fox Valley Center (Menasha): R. E. NAJEM.
Green Bay Center: T. N. SAVIDES.
Kenosha Center: (vacant).
Manitowoc County Center: R. O. GROSNICK.
Marathon County Center: P. A. ZEHNER.
Marinette Center: L. W. WEBER.
Marshfield-Wood County Center: N. E. KOOPMAN.
Racine Center: A. E. MAY.
Sheboygan County Center: E. S. BEARD.

University Extension:

Chancellor: D. R. MCNEIL, PH.D.

PROFESSORS:

AHLGREN, H. L., PH.D., Agronomy
AHRNSBRAK, H. C., PH.D., Marathon County Center
ALBERTY, R. A., PH.D., Chemistry
ALBRIGHT, E. C., M.D., Medicine
ALEXANDER, J. W., PH.D., Geography
ALLEN, HELEN L., M.A., Home Economics
ALLEN, O. N., PH.D., Bacteriology
ALLEN, P. J., PH.D., Botany
ALLHISER, N. C., M.A., Commerce—Extension
ALTPETER, R. J., PH.D., Chemical Engineering
ANDERSON, D. M., M.A., Art Education
ANDERSON, L., PH.D., Biochemistry
ANDREW, R. H., PH.D., Agronomy
ANDREWS, R. B., PH.D., Commerce
ANGEVINE, D. M., M.D., Pathology
ANNIN, G. E., M.S., Poultry Science
ANSFIELD, F. J., M.D., Clinical Oncology
APPLE, J. W., PH.D., Entomology
ARCHER, E. J., PH.D., Psychology
ARMSTRONG, J. A., PH.D., Political Science
ARNY, D. C., PH.D., Plant Pathology
ATTOE, O. J., PH.D., Soils
BACKUS, M. P., PH.D., Botany and Plant Pathology
BAERRIES, D., PH.D., Anthropology
BAILEY, S. W., PH.D., Geology
BAKKEN, H. H., M.A., Agricultural Economics
BALDWIN, IRA L., PH.D., D.SC., Bacteriology
BALDWIN, R. E., PH.D., Economics
BAMFORTH, BETTY J., M.D., Anæsthesiology
BANDY, W. T., PH.D., French
BARBASH, J., M.A., School for Workers—Extension Division
BARSCHALL, H. H., PH.D., Physics
BAUMANN, C. A., PH.D., Biochemistry
BEACH, KATHRYN R., M.S., Home Economics
BEEMAN, W. W., PH.D., Physics
BEINERT, H., PH.D., Enzyme Institute
BENDER, P., PH.D., Chemistry
BENEDICT, R. R., M.S., Electrical Engineering
BENNETT, E. L., PH.D., Classics and Humanities
BENNETT, E. M., M.D., Surgery
BERANEK, W., PH.D., Commerce
BERGE, O. I., M.S., Agricultural Engineering
BERGER, K. C., PH.D., Soils
BERKOWITZ, L., PH.D., Psychology
BERMAN, D. T., PH.D., Veterinary Science
BERNSTEIN, R. B., PH.D., Chemistry
BERSON, J. A., PH.D., Chemistry
BEUSCHER, J. H., J.S.D., Law
BING, R. H., PH.D., Mathematics
BIRD, H. R., PH.D., Poultry Science
BIRD, R. B., PH.D., Chemical Engineering
BJORAKER, W. T., PH.D., Agricultural and Extension Education
BLACK, R. F., PH.D., Geology
BLAEDEL, W. J., PH.D., Chemistry
BLAKE, FLORENCE, G., M.A., Nursing
BLANCHARD, CONVERSE H., PH.D., Physics
BLOBEL, H. G., P.H.D., Veterinary Science
BLOODWORTH, J. M. B., Jr., M.D., Pathology
BLOOMFIELD, B. C., S.M., Planning and Construction
BOARDMAN, E. P., PH.D., History
BOCK, R. M., PH.D., Biochemistry
BOGUE, A. G., PH.D., History
BORGATTA, E. F., PH.D., Sociology
BORROWMAN, MERLE L., ED.D., Educational Policy and History
BOTTKE, K. G., PH.D., French
BOUMAN, H. D., M.D., Physical Medicine
BOWER, J. B., PH.D., Commerce
BOX, G. E. P., PH.D., Statistics
BRAY, R. W., PH.D., Meat and Animal Science
BRÉE, GERMAINE, D.LITT., French and Humanities Research
BREMRECK, W. L., PH.D., Speech
BRIDGMAN, C., P.HD., Psychology—Extension Division
BRINK, R. A., D.SC., Genetics
BROCKHAUS, H. H., PH.D., Speech and Extension
BRODIE, A., LL.B., Law
BROGDEN, W. J., PH.D., Psychology
BRUCK, R. H., PH.D., Mathematics
BRUHN, H. D., M.S., Agricultural Engineering
BRUHN, M., B.S., Athletics
BRYSON, R. A., PH.D., Meteorology
BUCHHOLTZ, K. P., PH.D., Agronomy
BUCK, R. C., PH.D., Mathematics
BUNGE, HELEN L., ED.D., Nursing
BURCH, C. W., D.V.M., Veterinary Science
BURNS, S. T., PH.D., Music and Education
BURRIS, R. H., PH.D., Biochemistry
BUSSE, L. W., PH.B., Pharmacy
BUTTS, P. F., M.A., Wisconsin Union
CALBERT, H. E., PH.D., Dairy and Food Industries
CAMERINI, U., B.S., Physics
CAMERON, E. N., PH.D., Geology
CAMERON, R. E., PH.D., Economics and History
CAMPBELL, R. E., M.D., Obstetrics and Gynæcology
CAMPBELL, R. V., J.S.D., Law
CARBON, M. W., PH.D., Nuclear Engineering
CARSTENSEN, V., PH.D., History and Agricultural Economics
CARTTER, B. L., M.S., Agricultural Extension
CASIDA, J. E., PH.D., Entomology
CASIDA, L., PH.D., Genetics
CASSIDY, F. G., PH.D., English
CENTER, C. C., PH.D., Commerce
CHAPMAN, A. B., PH.D., Genetics
CHAPMAN, R. K., PH.D., Entomology
CHARD, C. S., PH.D., Anthropology
CHOU, KUO-PING, PH.D., Chinese
CHURCH, R. C., M.A., Music
CLARENBACH, F. A., PH.D., Urban and Regional Planning
CLARK, A. H., PH.D., Geography
CLARK, H. H., M.A., LL.D., English
CLARK, L. D., M.B., Minerals and Metals Engineering
CLARK, R. C., P.H.D., Agricultural Administration
CLARKE, HELEN I., M.A., Social Work
CLEARY, J. W., PH.D., Speech
CLINARD, M. B., PH.D., Sociology
CLINT, L. M., PH.D., Geology
CLODIUS, R. L., PH.D., Agricultural Economics
COBERLY, C. A., PH.D., Engineering Experiment Station
CODE, A. D., PH.D., Astronomy
COHEN, B. C., PH.D., Political Science
COHEN, P. P., PH.D., M.D., Physiological Chemistry
COLESCOTT, W. W., M.A., Art Education
COMBS, O., M.S., Horticulture
CONWAY, J. E., A.B., LL.B., Law
COOK, H. L., PH.D., Agricultural Economics
COOPER, D. C., PH.D., D.SC., Genetics
COOPER, MARGARET, PH.D., Home Economics
COOPER, S. S., M.ED., Nursing
CORNWELL, C. D., PH.D., Chemistry
COTTAM, G., PH.D., Botany
COTTERMAN, C. W., PH.D., Medical Genetics
COTTINGHAM, W. S., C.E., M.S., Civil Engineering
CRANDALL, L. W., PH.D., Civil Engineering
CRANE, F. D., PH.D., English—Extension
CRANE, R. E., PH.D., Music
CRONON, E. D., PH.D., History
CROW, J. F., PH.D., Zoology and Medical Genetics
CROWLEY, J. W., PH.D., Dairy Science
CRUMPTON, C., M.D., Medicine
CULBERTSON, J. M., PH.D., Economics and Commerce
CURRENT, R. N., PH.D., History
CURRERI, A. R., M.D., Surgery
CURTI, M., PH.D. L.H.D., History
CURTIN, P. D., PH.D., History
CURTIS, J. K., M.D., Medicine
CURTISS, C. F., PH.D., Chemistry
CURVIN, J. W., PH.D., Speech
CUTLIP, S. M., PH.M., Journalism
DAGGETT, R. L., M.S., Mechanical Engineering
DAHL, L. F., PH.D., Chemistry
DALRYMPLE, JULIA, I., PH.D., Home Economics
DAMRON, C. F., PE.D., Curriculum and Instruction
DARLING, H. M., PH.D., Plant Pathology
DAVIS, RUTH F., M.S., Home Economics
DAWE, HELEN C., PH.D., Home Economics
DE NOVO, J. A., PH.D., History
DEUTSCH, H. F., PH.D., Physiological Chemistry
DE VAULT, M. V., ED.D., Curriculum and Instruction

Dexter, R. N., Ph.D., Physics
Dicke, R. J., Ph.D., Entomology
Dickie, Helen A., M.D., Medicine
Dillinger, J. R., Ph.D., Physics
Dodd, R. A., Ph.D., Minerals and Metals
Dodge, W. H., Ph.D., Commerce
Donaldson, Beatrice E., Ph.D., Home Economics
Donoghue, J. R., Ph.D., Political Science—Extension Division
Doran, Madeleine, Ph.D., English
Doremus, R. B., Ph.D., English
Dorner, P., Ph.D., Agricultural Economics
Dreyfus, L. S., Ph.D., Speech, Radio and TV
Duffie, J. A., Ph.D., Engineering Experiment Station
Dunn, S. W., Ph.D., Commerce and Journalism
Dvorak, R. F., B.S., D.Mus., Music
Earley, J. S., Ph.D., Economics
Easton, A. H., M.E., Mechanical and Civil Engineering
Eccles, M., Ph.D., English
Eckhardt, A. G., S.J.D., Law
Edson, C. F., Ph.D., History
Effland, R. W., LL.M., Law
Ellsworth, P. T., Ph.D., Economics
El-Wakil, M. M., Ph.D., Mechanical Engineering
Emlen, J., Ph.D., Zoology
Emmons, R. C., Ph.D., Geology
Enck, J. J., Ph.D., English
Engel, H. A., M.A., Radio-Television Education
Engelbert, L. E., Ph.D., Soils
Epstein, L. D., Ph.D., Political Science
Epstein, S. T., Ph.D., Physics and Chemistry
Erickson, T. C., M.D., Ph.D., Neurophysiology
Evans, A. S., M.D., Preventive Medicine and Hygiene
Eye, G. G., Ph.D., Educational Administration
Fadell, E. R., Ph.D., Mathematics
Fagin, H., M.S., Urban and Regional Planning
Farwell, Gail F., Ed.D., Counselling and Behavioural Studies
Feinsinger, N. P., B.A., J.D., Law
Fellman, D., Ph.D., Political Science
Ferry, J. D., Ph.D., Chemistry
Fine, I. V., Ph.D., Commerce
Fisher, B. R., Ph.D., Sociology
Fisher, E. H., Ph.D., Entomology
Forster, F. M., M.D., Neurology
Foster, E. M., Ph.D., Bacteriology
Foster, G. W., LL.M., Law
Foster, H. E., Ph.B., Athletics
Fowler, M., Ph.D., Linguistics
Fowlkes, J. G., Ph.D., Educational Administration
Fox, A. S., Ph.D., Genetics
Fox, P. G., M.A., Commerce
Fraine, H. G., Ph.D., Commerce
Fraser, L. A., Ph.D., Zoology
Frazier, W. C., Ph.D., Bacteriology
Froker, R. K., M.A., Agricultural Economics
Fry, W. F., Ph.D., Physics
Fulton, R. W., Ph.D., Plant Pathology
Gabelman, W. H., Ph.D., Horticulture
Gale, J., M.D., Surgery
Gard, R. E., M.A., Agricultural and Extension Education
Garnett, A. C., M.A., Litt.D., Philosophy
Gates, R. M., Ph.D., Geology
Gaumnitz, E. A., Ph.D., Commerce
Gerloff, G. C., Ph.D., Botany
Gerth, H. H., Ph.D., Sociology
Gibson, J. C., B.A., Commerce
Giesler, F. J., M.S., Meat and Animal Science
Gilbert, F. A., Ph.D., Horticulture
Gilchrist, J. C., Ph.D., Psychology
Gilpin, C. A., B.S., Mechanical Engineering
Glauser, A., Ph.D., French and Italian
Goebel, C. J., Ph.D., Physics
Goering, H. L., Ph.D., Chemistry
Goldberg, H., Ph.D., History
Goldberger, A. S., Ph.D., Economics
Good, M. L., Ph.D., Physics
Gordon, E. S., M.D., Medicine
Gosting, L. J., Ph.D., Enzyme Institute
Graf, T. F., Ph.D., Agricultural Economics
Graham, D. T., M.D., Medicine
Graner, F., Ph.D., Commerce
Granick, D., Ph.D., Economics
Grant, D. A., Ph.D., Psychology
Green, D. E., Ph.D., Enzyme Institute
Greenfield, N. S., Ph.D., Psychiatry
Gregg, R. T., Ph.D., Educational Administration
Greiner, R. A., Ph.D., Electrical Engineering
Grilley, R. L., M.S., Art and Art Education
Grogan, P. J., M.S., Mechanical Engineering—Extension Division
Groves, H. M., Ph.D., Economics
Grummer, R. H., Ph.D., Meat and Animal Science
Gundlach, Anita, M.S., Agricultural Extension
Gurland, J., Ph.D., Statistics and Clinical Oncology
Guttman, I., Ph.D., Statistics
Haberman, F. W., Ph.D., Speech
Haeberli, W., Ph.D., Physics
Hagedorn, D. J., Ph.D., Plant Pathology and Agronomy
Hakeem, M., Ph.D., Sociology and Social Work
Hall, V., Ph.D., Comparative Literature
Halvorson, H. W., M.S., Agricultural Economics
Halverson, H. O., Ph.D., Bacteriology
Hamerow, T. S., Ph.D., History
Hammer, P., Ph.D., Computer Sciences
Hansen, Agnes, M., M.E., Agricultural Extension
Hanson, E. W., Ph.D., Plant Pathology
Hanson, R. P., Ph.D., Veterinary Science
Harker, R. J., M.S., Mechanical Engineering
Harlow, H. F., Ph.D., Psychology
Harrington, F. H., Ph.D., LL.D., History
Harris, C. W., Ph.D., Educational Psychology
Harris, J. E., Ph.D., French and Italian
Harris, T. L., Ph.D., Curriculum and Instruction
Harrison, J. F. C., Ph.D., History
Hart, H. C., Ph.D., Political Science
Hartshorne, E. R., Ph.D., Geography
Hasler, A. D., Ph.D., Zoology
Hawkes, L. L., Ph.M., Journalism
Hawkins, E. D., Ph.D., Economics
Hay, W. H., Ph.D., Philosophy and Educational Policy Studies
Hayes, C. S., Ph.D., Speech
Heber, F. R., Ph.D., Counselling and Behavioural Studies
Heidelberger, C., Ph.D., Oncology
Heine, R. W., M.S., Minerals and Metals Engineering
Heins, R. M., Ph.D., Commerce
Heizer, E. E., Ph.D., Dairy Science
Herb, R. G., Ph.D., Physics
Herlihy, D. J., Ph.D., History
Hermand, J., Ph.D., German
Herrin, R. C., Ph.D., M.D., Physiology
Herriot, J. H., Ph.D., Spanish
Hickey, J. J., Ph.D., Wildlife Management
Hickey, R. C., M.D., Surgery
Hickman, J. C., Ph.D., Physical Education—Men
Hiebert, E. H., Ph.D., History of Science
Higgins, T. J., Ph.D., Electrical Engineering
Higuchi, T., Ph.D., Pharmacy
Hildebrandt, A. C., Ph.D., Plant Pathology
Hill, H. B., Ph.D., History
Hind, J. E., Jr., Neurophysiology
Hirschfelder, J. O., Ph.D., Chemistry
Hoekstra, W. G., Ph.D., Biochemistry
Hokin, L. E., Ph.D., Physiological Chemistry
Hole, F. D., Ph.D., Soils
Holm, L. G., Ph.D., Horticulture
Holt, C. C., Ph.D., Economics
Holt, M. L., Ph.D., Chemistry
Hosler, R. J., Ed.D., Commerce and Curriculum and Instruction
Hosman, R. S., M.A., Air Science
Hougas, R. W., Ph.D., Genetics and Horticulture
Howe, H. M., Ph.D., Classics
Howery, V. I., Ph.D., Social Work
Huang, Tzu Chuen, Ph.D., Mechanics
Huitt, R. K., Ph.D., Political Science
Hurst, J. W., B.A., LL.B., Law
Hutchins, H. C., Ph.D., Curriculum and Instruction
Ihde, A., Ph.D., Chemistry
Ingraham, M. H., Ph.D., LL.D., Sc.D., Mathematics
Irwin, J. V., Ph.D., Speech
Irwin, M. R., Ph.D., Genetics
Jackson, Marion L., Ph.D., Soils
Jaeschke, W. H., M.D., Hygiene and Medicine
Jakobson, L., M.A., Urban and Regional Planning
James, B. J., Ph.D., Milwaukee Extension
Javid, M., M.D., Surgery
Jensen, K., Ph.D., Education
Jensen, K., Ph.D., Educational Psychology
Johannes, R. F., M.S., University Experimental Farms
Johansen, G., Music
Johnson, D. B., Ph.D., Economics
Johnson, M. J., Ph.D., Biochemistry
Johnson, M. W., Jr., Ph.D., Mechanics
Johnson, S. A. M., M.D., Dermatology
Jones, E. D., Ph.D., History and Curriculum and Instruction
Jones, P. G., S.M.D., Music
Joos, M., Ph.D., German
Jordan, A. C., Ph.D., African Languages and Literature
Jordre, Emma, M. M.S., Home Economics
Juhl, J. H., M.D. Radiology
Kadushin, A., Ph.D., Social Work
Kaesberg, P. J., Ph.D., Biochemistry
Kamarck, E. L., M.A., Speech—Extension Division
Kaplan, L., Ph.D., Library
Kassalow, E. M., M.A., Economics
Kasten, L. A., Ph.D., Spanish and Portuguese
Kastler, N. M., M.A., Sociology—Extension Division
Katz, W. G., S.J.D., Law
Kazamias, A. M., Ed.D., Educational Policy Studies
Kearl, B. E., Ph.D., Agricultural Journalism
Kerst, D. W., Ph.D., Physics
Khorana, H. G., Ph.D., Enzyme Institute
Kientiz, J. F., Ph.D., Art History
Kinne, W. S., Jr., B.S., Engineering Administration
Kivlin, V. E., M.S., Agricultural Education
Klausmeier, H. J., Ed.D., Educational Psychology
Kleene, S. C., Ph.D., Mathematics
Knight, S. G., Ph.D., Bacteriology
Knight, W. D., Ph.D., Commerce
Koehl, R. L., Ph.D., History

KOEHLER, G., M.S., Electrical Engineering and Radio-Television Education
KOLISCH, R., Music
KOZELKA, F. L., PH.D., Pathology
KOZLOWSKI, T. T., PH.D., Forestry
KREITLOW, B., PH.D., Agricultural and Extension Education and Educational Administration
KROEBER, K., PH.D., English
KROFF, A. Y., PH.D., French
KRUG, E. A., ED.D., Curriculum and Instruction
KUBLY, H. E., PH.D., Commerce
KUNTZ, J. E., PH.D., Plant Pathology
KUPCHAN, S. M., PH.D., Pharmaceutical Chemistry
LACY, E. W., PH.D., English
LALICH, J., M.D., Pathology
LAMBERT, P., PH.D., Educational Administration
LAMPARD, E. E., PH.D., History
LAMPMAN, R. J., PH.D., Economics
LARDY, H. A., PH.D., Biochemistry
LARSEN, E. M., PH.D., Chemistry
LARSON, A. L., PH.D., International Co-operative Training Centre
LARSON, F. C., M.D., Medicine
LARSON, L. A., PH.D., Physical Education
LAUDON, L. R., PH.D. Geology
LAUGHLIN, W. S., PH.D., Anthropology
LEIDEL, F. O., B.S., Drawing and Descriptive Geometry
LEINDORFF, AGNES, M.S., Home Economics
LE MASTERS, E. E., PH.D., Social Work
LEMBERGER, A. D., PH.D., Pharmacy
LEMMER, K. E., M.D., Surgery
LENZ, A. T., PH.D., Civil Engineering
LETTAU, H. H., PH.D., Meteorology and Civil Engineering
LÉVÊQUE, A. C., PH.D., French
LEWIS, H. W., PH.D., Physics
LEWIS, W. C., M.D., Psychiatry
LIDDLE, C. S., PH.D., Educational Administration
LIGHTFOOT, E. N., PH.D., Chemical Engineering
LINK, K. P., PH.D., Biochemistry
LINKSWILER, HELLEN M., PH.D., Home Economics
LINS, L. J., PH.D., Institutional Studies
LITTLE, J. K., PH.D., LL.D., Educational Policy Studies and Educational Psychology
LOEB, M. B., PH.D., Social Work
LOGAN, F. M., M.A., Art Education
LONGENECKER, G. W., M.S., Horticulture and Landscape Architecture
LOOMER, C. W., PH.D., Agricultural Economics
LORAM, I. C., PH.D., German
LUCKHARDT, H. F., M.A., Music
MCCABE, R. A., PH.D., Wildlife Management
MCCAMY, L. J., PH.D., Political Science
MCCARTY, H. B., M.A., Radio-Television Education
MCCOY, ELIZABETH F., PH.D., Bacteriology
MCDIVITT, MAXINE E., PH.D., Home Economics
MACDONALD, J. B., LL.B., Law
MACDONALD, J. B., PH.D., Curriculum and Instruction
MCGIBBON, W. H., PH.D., Poultry Science
MACK, D. J., PH.D., Minerals and Metals Engineering
MACK, J. E., PH.D., Physics
MACKENDRICK, P. L., PH.D., Classics
MCNEELY, J. C., PH.D., Speech
MCPEEK, G. S., PH.D., Music
MCSHAN, W. H., PH.D., Zoology
MAHER, B. A., PH.D., Psychology
MANN, H. B., PH.D., Mathematics and Statistics
MANSFIELD, A. W., M.S., Athletics and Physical Education—Men
MANSOOR, M., PH.D., Hebrew Studies
MARSHALL, D. G., PH.D., Rural Sociology and Educational Policy Studies
MARSHALL, W. R., PH.D., Chemical Engineering
MARTIN, B. C., PH.D., Psychology
MAY, A. E., PH.D., Racine Center
MEDLER, J. T., PH.D., Entomology
MEEKER, D. J., M.F.A., Art and Art Education
MELOCHE, V. W., PH.D., Chemistry
MENDENHALL, J. T., M.D., Surgery
MERMIN, S., LL.B., Law
MEYER, O. O., M.D., Medicine
MEYER, R. E., DR.SC., Mathematics
MEYER, R. K., PH.D., Zoology
MIDDLETON, R., PH.D., Sociology
MILES, A. P., PH.D., Social Work
MILLER, E. E., PH.D., Physics and Soils
MILLER, J. A., PH.D., Oncology
MILLER, M. H., M.D., Psychiatry
MILLIGAN, E. E., PH.D., French
MITCHELL, J. E., PH.D., Plant Pathology
MITCHELL, R. E., M.A., Speech
MONCRIEF, J. S., Jr., B.S., Military Science
MONROE, MARGARET E., D.L.S., Library Science
MOORE, J. D., PH.D., Plant Pathology
MORGAN, J. T., PH.D., Economics
MORTENSEN, O. A., M.D., Anatomy
MORTIMER, IVA R., PH.D., Home Economics
MORTON, W. A., PH.D., Economics
MOSSE, G. L., PH.D., History
MOSSMAN, H. W., PH.D., Anatomy
MOTE, F. A., PH.D., Psychology
MUCKENHIRN, R. J., PH.D., Soils
MUELLER, G. C., PH.D., Oncology
MUELLER, W. F., PH.D., Agricultural Economics
MULLER, M. E., PH.D., Computer Science
MULVIHILL, E. R., PH.D., Spanish
MURPHY, Q. R., Jr., PH.D., M.D., Physiology
MUXFELDT, H. H., PH.D., Chemistry
MYERS, P. S., PH.D., Mechanical Engineering
NADLER, G., PH.D., Mechanical Engineering
NAESETH, G. B., M.A., Library
NAFZIGER, R. O., PH.D., Journalism
NEAL, N. P., PH.D., Agronomy and Genetics
NEALE-SILVA, E., PH.D., Spanish
NEILL, W. K., PH.D., Chemical Engineering
NELSON, D. W., M.E., M.S., Mechanical Engineering
NELSON, H. L., PH.D., Journalism
NESS, O. G., PH.D., Speech
NEWCOMB, E. H., PH.D., Botany
NICHOLS, R. E., PH.D., D.V.SC., Veterinary Science
NIEDERMEIER, R. P., PH.D., Dairy Science
NIELSEN, E. L., PH.D., Agronomy
NOBLE, B., D.SC., Mathematics and Mathematics Research Center
NOHEL, J. A., PH.D., Mathematics
NOLAND, L. E., PH.D., Zoology
OBERT, E. F., M.S., Mechanical Engineering
OLSON, C., Jr., PH.D., Veterinary Science
ORCUTT, G. H., PH.D., Economics
ORSINI, G. N. G., PH.D., Comparative Literature
OSBORNE, R. H., PH.D., Anthropology and Medical Genetics
OSTERBROCK, D. E., PH.D., Astronomy
OZANNE, R. W., PH.D., Economics
PALMER, O. H., M.B.A., Commerce—Extension Division
PALMERI, J., PH.D., French
PARENT, R. J., M.S., Electrical Engineering
PARSONS, K. H., PH.D., Agricultural Economics
PASCHALL, HAZEL B., M.A., Home Economics
PATAU, K. A., PH.D., Pathology and Medical Genetics
PAUL, L. W., M.D., Radiology
PECKHAM, B. M., M.D., PH.D., Obstetrics and Gynæcology
PELLA, M .O., PH.D., Curriculum and Instruction
PELOQUIN, S. J., PH.D., Horticulture
PENN, R. J., PH.D., Agricultural Economics
PENNIMAN, CLARA, PH.D., Political Science
PETERS, H. B., MUS.DOC., Music
PETERSON, A. E., PH.D., Soils
PETERSON, H. A., M.S., Electrical Engineering
PETERSON, L. J., PH.D., Educational Administration
PETROVICH, M. B., PH.D., History
PETSHEK, K. R., PH.D., Milwaukee Extension
PETZOLD, R. G., PH.D., Music, Curriculum and Instruction
PFANKUCHEN, L. E., PH.D., Political Science
PHELAN, J. L., PH.D., History
PHILLIPS, P. H., PH.D., Biochemistry
PICKETT, G., PH.D., Mechanics
POCHMANN, H. A., PH.D., English
POOLEY, R. C., PH.D., English
POPE, A. L., PH.D., Meat and Animal Science
PORTER, J. W., PH.D., Physiological Chemistry
POTTER, V. R., PH.D., Oncology
POUND, G. S., PH.D., Plant Pathology
POWELL, H. N., PH.D., Mechanical Engineering
PRESSON, R. K., PH.D., English
PRICE, J. M., PH.D., M.D., Surgery
PRINGLE, DOROTHY R., PH.D., Home Economics
PUESTOW, K. L., M.D., Clinical Medicine
QUINTANA, R. B., PH.D., English
RADAR, L. F., PH.D., Civil Engineering
RAGATZ, R. A., PH.D., Chemical Engineering
RAGSDALE, W., M.A., Journalism
RAMSPERGER, A. G., PH.D., Philosophy
RANKIN, J., M.D., Medicine
RANNEY, J. A., PH.D., Political Science
RAPER, K. B., PH.D., Bacteriology and Botany
RARICK, G. L., PH.D., Physical Education
RASMUSSEN, H., PH.D., Biochemistry
RATCLIFF, R. U., PH.D., Commerce
RAUSHENBUCH, ELIZABETH B., PH.D., Economics
REITAN, D. K., PH.D., Electrical Engineering
REMINGTON, F. J., B.A., LL.B., Law
REYNOLDS, R. L., PH.D., History
RICHARDS, H. T., PH.D., Physics
RICHERT, M. R., PH.D., National Agricultural Center for Advanced Study
RIDEOUT, V. C., M.S., Electrical Engineering
RIDEOUT, W., PH.D., English
RIEGEL, S. M., PH.D., German
RINGNESS, T. A., PH.D., Educational Psychology and Extension Division
RIPPE, R., PH.B., Physical Education
RIS, H., PH.D., Zoology
ROBINSON, A. H., PH.D., Geography
ROBINSON, J. T., D.SC., Anthropology and Zoology
ROBINSON, R. H., PH.D., Indian Studies
RODMAN, G. B., PH.D., English—Extension Division
ROHLICH, G. A., PH.D., Civil Engineering
ROLLEFSON, R., PH.D., Physics
ROSA, A. M., PH.D., Spanish and Portuguese
ROSE, J. E., M.D., Neurophysiology
ROSEN, J. B., PH.D., Computer Sciences and Mathematics Research Centre
ROSENTHAL, P. C., M.S., Minerals and Metals Engineering
ROSSI, J., PH.D., French and Italian
ROTHNEY, J. W., ED.D., Counselling and Behavioural Studies
ROWE, G. G., M.D., Medicine
ROWLANDS, W. A., B.S., Agricultural Economics

RUDIN, W., PH.D., Mathematics
RUEDISILI, C. H., PH.D., Asst. Dean Letters and Science
RUNGE, C. R., LL.B., Law
RUSCH, H. P., M.D., Oncology
RYDER, N. B., PH.D., Sociology

SACHSE, W. L., PH.D., History
SACKS, N. P., PH.D., Spanish and Portuguese
SAEMANN, J. C., PH.D., Mechanics
SANCHEZ, R. G., PH.D., Spanish and Portuguese
SANCHEZ-BARBUDO, A., Spanish
SANGER, C. E., M.S., Men's Physical Education, Athletics and Extension
SARIG, E. R., M.M., Music, Agricultural and Extension Education, and Extension
SARLES, W. B., PH.D., Bacteriology
SAUER, J. B., PH.D., Botany
SAWYER, R. F., PH.D., Physics
SCHAARS, M. A., PH.D., Agricultural Economics
SCHEIBE, E. H., PH.D., Electrical Engineering
SCHENK, RACHEL K., M.A., Library School
SCHILLING, R. F., M.S., Medicine and Surgery
SCHMITZ, N. L., PH.D., Electrical Engineering
SCHNORE, L. F., PH.D., Sociology
SCHOENEMANN, J. A., PH.D., Horticulture
SCHOLL, J. M. PH.D., Agronomy
SCHUCK, H. M., M.A., Commerce
SCHULTZ, L. H., PH.D., Dairy Science
SCHWALBACH, J. A., M.S., Art Education—Extension Division, and Radio-Television Education
SCHWERDTFEGER, W., PH.D., Meteorology
SCOTT, A. C., A.R.C.A., Speech
SEARLES, J. R., PH.D., Curriculum and Instruction and English
SEASTONE, C. V., M.D., Microbiology
SEIFERT, L. W., PH.D., German
SENN, H. A., PH.D., Botany
SEQUEIRA, L., PH.D., Plant Pathology
SEWELL, W. H., PH.D., Rural Sociology
SHAIN, I., PH.D., Chemistry
SHANDS, HAZEL L., PH.D., Agronomy
SHANDS, R. G., PH.D., Agronomy
SHANNON, D. A., PH.D., History
SHARP, H. P., PH.D., Sociology
SHAW, J. T., PH.D., Slavic Languages
SHENEFELT, R. D., PH.D., Entomology
SHIELS, K. G., M.S., Drawing and Descriptive Geometry
SIEBECKER, K. L., M.D., Anæsthesiology
SIEBENS, A. A., M.D., Pædiatrics and Physiology
SIMOONS, F. J., PH.D., Geography
SIMS, J. L., M.D., Medicine
SINGER, M. G., PH.D., Philosophy
SINGLETON, M. H., PH.D., Spanish
SKILES, J. J., PH.D., Electrical Engineering
SKILTON, R. H., PH.D., Law
SKOOG, F. K., PH.D., Botany
SLEDGE, G. W., ED.D., Agricultural and Extension Education
SMITH, D. W., PH.D., Agronomy
SMITH, D. C., PH.D., Agronomy
SMITH, K. U., PH.D., Psychology
SMITH, K. T., PH.D., Mathematics
SMITH, L. C., ED.D., Nursing
SMITH, N. J., M.D., Pædiatrics
SMITH, W. K., PH.D., Genetics and Agronomy
SMITHIES, O., D.PHIL., Medical Genetics
SOLMSEN, F., PH.D., Classics
SOLON, J. J., PH.D., University Press
SOMERS, G. G., PH.D., Economics
SONNEDECKER, G. A., PH.D., Pharmacy
SORUM, C. H., PH.D., Chemistry
SOUTHWORTH, W. H., PH.D., Curriculum and Instruction
STAAB, JOSEPHINE H., PH.D., Home Economics
STAHMANN, M. A., PH.D., Biochemistry
STANIFORTH, S. D., PH.D., Agricultural Economics
STANLEY, J. C., Jr., ED.D., Educational Psychology
STAUFFER, J. F., PH.D., Botany
STEDMAN, J. C., LL.M., Law
STEFFENS, L. J., M.M., Music
STEINER, P. O., PH.D., Economics
STEPPAT, L. L., M.F.A., Art and Art Education
STERLING, H. S., PH.D., Geography
STERN, J. L., PH.D., School for Workers' Extension Division
STEWART, W. E., D.SC., Chemical Engineering
STILES, L. J., ED.D., Curriculum and Instruction
STONE, K. H., PH.D., Geography
STONE, W. E., PH.D., Physiology
STONE, W. H., PH.D., Genetics
STROMINGER, J. L., M.D., Pharmacology
STROMMEN, A., M.S., University Experimental Farms
STRONG, DOROTHY L., PH.D., Home Economics
STRONG, F. M., PH.D., Biochemistry
STROTHER, G. B., PH.D., D.SC., Commerce
SUNDE, M. L., PH.D., Poultry Husbandry
SUOMI, V. E., PH.D., Meteorology and Soils
SWANSON, A. M., PH.D., Dairy and Food Industries
SYMON, K. R., PH.D., Physics
SZYBALSKI, W. T., D.SC., Oncology
TANNENBAUM, P. H., PH.D., Journalism
TANNER, C. B., PH.D., Soils
THATCHER, L. W., PH.D., Commerce and Economics
THIEDE, W. B., PH.D., Education—Extension Division and Educational Administration
THOMSEN, L. C., B.S., Dairy and Food Industry
THOMSON, J. W., Jr., PH.D., Botany
THURLOW, W. R., PH.D., Psychology
TIEMANN, T. D., PH.D., Minerals and Metals
TODD, A., PH.D., Veterinary Science
TODD, F. A., B.A., Naval Science
TORRIE, J. H., PH.D., Agronomy
TREWARTHA, G. T., PH.D., Geography
TYLER, W. J., PH.D., Diary Science
UHL, A. H., PH.D., Pharmacy
UYEHARA, O. A., PH.D., Mechancial Engineering
VAN BLADEL, J. C., PH.D., Electrical Engineering
VANDEBERG, G. L., PH.D., Agricultural Extension
VAN ENGEN, H., PH.D., Mathematics and Curriculum and Instruction
VAN LANCKER, J. L., M.D., Pathology
VANSINA, J. M., PH.D., History
VARNEY, V. V., B.S., Agricultural Extension
VERMUND, H., PH.D., Radiology
VIERTHALER, A., M.S., Art and Art Education
VILLEMONTE, J. R., PH.D., Civil Engineering
VITOVEC, F. H., DR.TECHN., Minerals and Metals Engineering
VOWLES, R. B., PH.D., Scandinavian Studies and Comparative Literature
VOZZA, J. F., PH.D., Chemistry, Racine Center
WADE, E. K., M.S., Plant Pathology
WAGNER, E. C., M.S., Civil Engineering
WAISMAN, H. A., PH.D., M.D., Pædiatrics
WAKEFIELD, H. E., ED.D., Educational Administration and Education Extension Division
WALGENBACH, P. H., M.B.A., Commerce
WALKER, D. L., M.D., Medical Microbiology
WALKER, W. D., PH.D., Physics
WALLENFELDT, E., M.S., Dairy and Food Industries
WANG, C.-K., PH.D., Civil Engineering
WASHA, G. W., PH.D., Mechanics
WASOW, W. R., PH.D., Mathematics
WATROUS, J. S., PH.D., Art History
WATSON, C. C., PH.D., Chemical Engineering
WECKEL, K. G., PH.D., Dairy and Food Industries
WEINBERG, J. R., PH.D., Philosophy
WEISS, L. W., PH.D., Economics
WENDT, K. F., B.S., Mechanics
WERNER, G. M., B.S., Dairy Science
WEST, R. C., Jr., PH.D., Chemistry
WESTING, J. H., PH.D., Commerce
WESTLEY, B. H., M.S., Journalism
WHITE, F. A., PH.D., Education and Bureau of Audio-Visual Instruction
WHITE, HELEN C., PH.D., LITT.D., L.H.D., LL.D., English
WHITE, M. E., PH.D., Agricultural Journalism
WHITELEY, W. H., PH.D., Anthropology
WHITLEY, A., PH.D., English
WILCOX, C. H., PH.D., Mathematics
WILDE, J. H., M.S., Art Education
WILDE, S. A., F.E., D.SC., Soils
WILDS, A. L., PH.D., Chemistry
WILEDEN, A. F., M.S., Rural Sociology
WILEY, P. L., PH.D., English
WILKENING, E. A., PH.D., Rural Sociology
WILKINSON, VIOLA M., M.S., Home Economics
WILLARD, J. E., PH.D., Chemistry
WILLIAMS, D. H., B.S., Agricultural Extension
WILLIAMS, J. W., PH.D., Chemistry
WILLIAMS, W. A., PH.D., History
WILLIAMSON, I. B., M.A., Intercollegiate Athletics
WILSON, J. B., PH.D., Bacteriology
WILSON, P. W., PH.D., Agricultural Bacteriology
WINDER, W. C., PH.D., Dairy and Food Industries
WIRKA, H. W., M.D., Surgery
WITZEL, S. A., M.S., Agricultural Engineering
WOLFE, H. D., PH.D., Commerce
WOODBURN, J. G., PH.D., Civil Engineering
WOODBURY, G. C., PH.D., Political Science
WOOLLARD, G. P., PH.D., Geology
WOOLSEY, C. N., M.D., Physiology
WORKMAN, J. D., PH.D., German and Curriculum and Instruction
WORSENCROFT, R. R., B.S., Drawing and Descriptive Geometry
WRIGHT, G. L., B.S., Agricultural Extension
WURSTER, D. E., PH.D., Pharmacy
WYLLIE, I. G., PH.D., History
YOUMANS, RITA L., ED.D., Home Economics and Curriculum and Instruction
YOUMANS, W. B., PH.D., M.D., Physiology
YOUNG, G. H., LL.B., Law
YOUNG, H. E., PH.D., LL.D., Economics
YOUNG, L. C., D.SC., Mathematics
YOUNG, LOUISE A., M.A., Home Economics—Extension
YOUNG, W. C., PH.D., Mechanics
YOUNG, W. H., PH.D., Political Science
YOUNG, W. P., M.D., Surgery
ZELLNER, A., PH.D., Economics
ZIFF, R. P., PH.D., Philosophy
ZIMMERMAN, H. E., PH.D., Chemistry
ZINGALE, S., M.S., Art and Art Education

UNIVERSITY OF WISCONSIN—Milwaukee

MILWAUKEE, WISCONSIN 53211

Provost: J. MARTIN KLOTSCHE, PH.D.

Number of teachers: 595.

Number of students: 7,885 day students, 1,801 evening students.

DEANS, ETC.:

College of Letters and Science: J. G. BAIER, PH.D.
School of Education: G. W. DENEMARK, ED.D.
Graduate School: M. M. FREEMAN, PH.D.
Division of Commerce: H. F. KLINGMAN, PH.D.
Division of Engineering: J. G. VAN VLEET, M.S.
University Extension Division: F. I. OLSON, PH.D.
School of Fine Arts: A. A. SUPPAN, PH.D.
Dean of International Studies and Programs: D. R. SHEA, PH.D.
Director of Libraries: M. M. GORMLEY.
Student Affairs: R. E. NORRIS, M.A.
Director of Admissions and Records: P. J. CHINETTI, PH.D. (acting).
Director of Counselling: A. C. EICHSTEADT, PH.D.
Director of Placement: P. J. CHINETTI, PH.D.
Director of University Relations: F. C. SPRINGER, LL.B.
Dean of Men: L. C. STAMATAKOS, ED.D.
Dean of Women: CHARLOTTE WOLLAEGER, M.A.
Secretary of Faculty: J. W. KENNY, M.A.

PROFESSORS:

ADERMAN, R. M., PH.D., English
AHLGREN, H. N., M.S.J., Journalism
ANDERSON, R. P., M.M., Music
BAIER, J. G., PH.D., Zoology
BAGEMIKE, F., M.A., Mathematics
BARDELL, R., PH.D., Mathematics
BECKER, A. P., PH.D., Economics
BELLIS, E. A., M.S., Chemistry
BILLINGS, N., PH.D., Education
BRANDT, W. J., PH.D., Elementary Education
BROWN, A. T., PH.D., History
BRUMBLAY, R. U., PH.D., Chemistry
BURKE, VIRGINIA M., ED.D., English
CARRITHERS, LURA, ED.D., Elementary Education
DENEMARK, G. W., PH.D., Education
DOWNING, W. E., M.S.S., Social Work
DUNLEAVY, G. W., PH.D., English
ELMERGREEN, G. M., M.S., Electrical Engineering
EMERSON, D. C., PH.D., English
ENGELMANN, H. O., PH.D., Sociology
ERDMAN, R. L., ED.D., Exceptional Education
FREEMAN, M. M., PH.D., English
FRIEBERT, J., M.S., Art and Art Education
GAFFNEY, M. M., PH.D., Economics
GAFFNEY, M. M., PH.D., Economics
GLAAB, C. N., PH.D., History
GORMLEY, M. M., M.A., Library
GOTTLIEB, M., PH.D., Economics
GOUNDIE, G. H., M.F.A., Art, Art Education
GUNDERSEN, R. M., PH.D., Mathematics
HALLOWELL, R. E., PH.D., French and Italian
HANKWITZ, ANITA M., M.M., M.A., Music
HILLIS, L. F., M.S., Civil Engineering
HIMMELMANN, F. M., ED.D., Education
HOGE, H. W., PH.D., Spanish and Portuguese
HOLMES, ELIZABETH, M.A., English
HOLST, E., PH.D., English
HORSMAN, R., PH.D., History
JAMES, B. J., PH.D., Anthropology
JENKINS, W. A., PH.D., Education
JOHNSON, M. J., M.A., Music
KANE, Col. R. A., B.A., Military Science
KERR, ELIZABETH M., PH.D., English
KLINGMAN, H. F., PH.D., Commerce
KLOTSCHE, J. M., PH.D., History
KLUGE, H., M.A., Physical Education
KRAEFT, A. R., M.S., Physical Education
KRUSE, A. J., PH.D., German
LAWRENCE, L. E., PH.D., History
LAYDE, D. C., PH.D., Chemistry
LEEDS, W. L., PH.D., Education
LEER, J. A., M.B.A., Commerce, Accounting
LYDOLPH, P. E., PH.D., Geography
MAHON, PATRICIA, M.S.M., Music
MARDEN, M., PH.D., Mathematics
MARSHALL, J. F., PH.D., French and Italian
MARTIN, J. M., PH.D., Physics
MATHEWS, L. H., PH.D., Placement and Financial Aids
MILLER, D., PH.D., Geography
MILLER, N., PH.D., History
MYERS, R. H., M.A., Speech
NASH, J. W., PH.D., History
NEWSOME, VERNA L., M.A., English
NORRIS, R. E., M.A., Mathematics
OAKLEY, C. F., D.SC., Physics
OLSON, F. I., PH.D., History
OLSON, M., M.S., Physics
PALMER, O., M.B.A., Commerce, Accounting
PERLMAN, R. W., PH.D., Economics
PETSHEK, K., PH.D., Commerce
POTTERVELD, B. L., Art and Art Education
PROHASKA, F. J., PH.D., Geography
READ, MARY J., PH.D., Geography
REIMER, N., PH.D., Political Science
RINDER, I. D., PH.D., Sociology
RODIGAN, MARY-VIRGINIA, B.A., Speech
ROEMING, R. F., PH.D., French and Italian
ROUSE, T. A., PH.D., Physics
ROWEN, H., PH.D., History
SALAMUN, P. J., PH.D., Botany
SCHELLIN, R. W., M.S., Art and Art Education
SCHENK, Q., PH.D., Social Work
SCHMANDT, H. J., PH.D., Political Science
SCHOELLER, A. W., PH.D., Elementary Education
SCHUR, L. M., PH.D., Economics
SHEA, D. R., PH.D., Political Science
SHIPMAN, G. D., PH.D., Sociology and Anthropology
SHURMAN, M. M., PH.D., Physics
SIEBRING, B. R., PH.D., Chemistry
SMITH, J. H., B.S., Commerce
SMITH, LOUISE C., ED.D., Nursing
SPITZBART, A., PH.D., Mathematics
STEFANIAK, N. J., PH.D., Commerce
STRENG, ALICE, M.A., Exceptional Education
SULLIVAN, B. A., PH.D., Counselling
SUMM, H., M.ED., Art and Art Education
SUPPAN, A. A., PH.D., English
TETER, J. W., PH.D., Social Work
THRONE, A. L., M.S., Botany
UHL, A. H., PH.D., Pharmacy
VAN VLEET, J. G., M.S., Mechanics and Mechanical Engineering
VEVIER, C., PH.D., History
WARNER, E. D., PH.D., Zoology
WASSERMAN, J., PH.D., Art History
WEIL, H., PH.D., Psychology
WHITFORD P. B., PH.D., Botany
WILNER, ORTHA L., PH.D., Classics
WOLLAEGER, CHARLOTTE, M. A., Dean of Women
WOODS, D. A., M.S., Library Science

VITERBO COLLEGE

815 SOUTH 9TH STREET,
LA CROSSE, WISCONSIN 54601

Telephone: 4-8413.

Founded 1931.

President: Sister M. JUSTILLE, F.S.P.A.
Registrar: Sister M. ANGELA, F.S.P.A.
Librarian: Sister M. FRANCES CLAIRE, F.S.P.A.

The library contains 43,746 volumes.
Number of teachers: 45.
Number of students: 520.

WISCONSIN STATE UNIVERSITY

EAU CLAIRE, WISCONSIN

Telephone: 834-2061.

Founded 1916.

President: Dr. LEONARD HAAS.
Registrar: J. H. DEAN.
Librarian: R. FETVEDT.

The library contains 130,000 volumes.
Number of teachers: 250.
Number of students: 4,300.

WISCONSIN STATE UNIVERSITY

1725 STATE STREET,
LA CROSSE, WISCONSIN 54601

Telephone: 4-8030.

Founded 1905.

President: REXFORD S. MITCHELL.
Registrar: R. LEROY.
Director of Admissions: G. GRIMSLID (acting).
Librarian: R. VAN NOTE.

The library contains 81,603 volumes.
Number of teachers: 175.
Number of students: 2,418.

WISCONSIN STATE UNIVERSITY

800 ALGOMA BLVD.,
OSHKOSH, WISCONSIN 54902

Telephone: 235-6220.

Founded 1871.

President: ROGER E. GUILES.
Dean of Admissions: D. D. JORGENSON.
Librarian: HELEN I. WAHOSKI.

The library contains 140,222 volumes.
Number of teachers: 360.
Number of students: 7,000.

WISCONSIN STATE UNIVERSITY

PLATTEVILLE, WISCONSIN

Telephone: 348-2054.

Founded 1866.

President: BJARNE R. ULLSVIK.
Registrar: V. PAGENKOPF.
Librarian: CHARLOTTE KNIGHT.

The library contains 105,000 volumes.
Number of teachers: 189.
Number of students: 3,011.

WISCONSIN STATE UNIVERSITY

RIVER FALLS, WISCONSIN 54022

Telephone: 425-6356.

Founded 1874.

President: Dr. E. H. KLEINPELL.
Registrar: M. GERMANSON.
Librarian: Dr. R. COOKLOCK.

The library contains 97,000 volumes.
Number of teachers: 186.
Number of students: 3,050.

WISCONSIN STATE UNIVERSITY

1100 MAIN STREET,
STEVENS POINT, WISCONSIN

Telephone: 715—344-9250

Founded 1894.

President: JAMES H. ALBERTSON.
Registrar: G. FAUST.
Librarian: N. KAMPENGA.

The library contains 117,840 volumes.
Number of teachers: 275.
Number of students: 3,465.

WISCONSIN STATE UNIVERSITY

SUPERIOR, WISCONSIN

Telephone: Area Code 715, 392-8271.

Founded 1893.

President: K. W. MEYER.
Director of Admissions: P. MEADOWS.
Librarian: FLORENCE WALDE.

The library contains 125,000 volumes.
Number of teachers: 145.
Number of students: 2,300.

WYOMING

UNIVERSITY OF WYOMING

LARAMIE, WYOMING

Founded 1886.

President: JOHN T. FEY, M.B.A., Dr. of Juridical Science.

Registrar: H. D. SMITH, PH.D.

Business Manager: E. G. HAYS, B.S.

Librarian: R. W. FRANTZ, Jr., PH.D.

The library contains 375,000 volumes.
Number of teachers: 372.
Number of students: 3,631 men, 1,739 women, total 5,370.

Publications: University *Bulletin* (four annually), *Agricultural Experimental Station Bulletin* (twelve to twenty annually), *Geological Survey Bulletins, Natural Resources Research Institute Bulletins.*

DEANS:

College of Agriculture: N. W. HILSTON, PH.D.
College of Commerce and Industry: M. C. MUNDELL, M.S., C.P.A.
College of Education: J. A. MARVEL, ED.D.
College of Engineering: A. J. MCGAW, C.E.
College of Law: F. J. TRELEASE, J.D.
College of Arts and Sciences: E. G. MEYER, PH.D.
College of Pharmacy: D. W. O'DAY, PH.D.
College of Nursing: AMELIA LEINO, ED.D.
Division of Adult Education and Community Service: J. W. GATES, PH.D.
Graduate School: R. H. BRUCE, PH.D.
Director, Summer Session: H. B. MCFADDEN, PH.D.
Men: R. E. KINDER, M.A.
Women: E. LUELLA GALLIVER, M.A.
Academic Affairs: J. RANZ, PH.D.

URUGUAY

Population 2,556,020

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Montevideo

Academia Nacional de Letras: Calle 25 de Mayo, No. 376; f. 1943.

President: Ariosto D. González.
First Vice-President: José Pereira Rodríguez.
Second Vice-President: José G. Antuna.
Secretary: Adolfo Berro García.
Treasurer: Carlos Rodríguez Pintos.
Librarian: Clemente Estable.

Members (by seniority):

Barbieri, Antonio María
Blanco Acevedo, Eduardo
Castellanos, Daniel
Carbajal Victorica, Juan José
Oribe, Emilio
Regules, Dardo
Sabat Ercasty, Carlos
Silva Valdés, Fernán
Vasseur, Alvaro Armando
Zum Felde, Alberto
De Cáceres, Esther.
Frugoni, Emilio.
Montiel Ballesteros, Adolfo.

Alliance Française: Colonia 1013.

Asociación de Ingenieros del Uruguay (*Association of Uruguayan Engineers*): Avda. Agraciada 1464; f. 1905; 700 mems., also hon. and corresp. abroad; Pres. Ing. Civil Omar Paganini; affiliated to the Unión Panamericana de Asociaciones de Ingenieros; publ. *Ingeniería*; library of 2,000 vols.

Asociación de Química y Farmacia del Uruguay (*Chemical and Pharmaceutical Association*): Av. Agraciada 1464, Piso 14; f. 1888; 600 mems.; Pres. Uberfil Delbene; Sec.-Gen. Jorge Ares; publs. *Anales* (occasional), *Química y Farmacia* (quarterly).

Asociación Odontológica Uruguaya (*Odontological Association*): Avda. Agraciada 1464, Piso 13; f. 1946 by fusion of Centro de Odontología del Uruguay, Sociedad de Estudios Odontológicos Sindicato Odontológico del Uruguay and Asociación Odontológica Nacional; 800 mems.; comprises 5 depts. and 7 sections; Pres. Dr. Diego Gómez; Vice-Pres. Dr. Francisco W. Pucci; Sec. Dr. José Zinemanas; publs. *Odontología Uruguaya* (scientific), *Gremial e Informativa* (bi-monthlies); museum; library of 1,000 vols.

Asociación Rural del Uruguay (*Rural Association*): Uruguay 864; f. 1871; Pres. Benito Medero; Sec.-Manager Juan Carlos Estevez; publs. *Revista* (monthly), *Boletín*; library of 6,470 vols.

Ateneo de Clínica Quirúrgica (*Athenæum of Clinical Surgery*): f. 1934; Dir. Prof. Dr. Eduardo Blanco Acevedo; publ. *Anales*.

British Council, The (*El Consejo Británico*): San José 1426; co-operates with Instituto Cultural Anglo-Uruguayo in Montevideo, Fray Bentos, Las Piedras, Paysandu, Rivera and Salto; information on education in the United Kingdom; scholarships and bursaries to United Kingdom; exhibitions of art and science; educational film department and reference library; Rep. A. Richardson.

Centro de Documentación Científica, Técnica y Económica: Calle Guayabo 1793; f. 1953.

Centro de Documentación y Divulgación Pedagógicas (*Pedagogic Documentation and Publications Centre*): Plaza Cagancha 1175; f. 1888; library and museum *q.v.*; Dir. Sra. Armonia Etchepare de Henestrosa.

Consejo Nacional de Higiene (*National Health Council*): Av. 18 de Julio 1892, Ministerio de Salud Pública; Minister Dr. Carlos Stajano; publ. *Memoria Anual*.

Dirección General de Estadística y Censos (*Statistical Office*): Cuareim 2052; f. 1829; Dir. Dr. Eduardo Fonticelli; publs. *Anuario Estadístico, Boletín Informativo de Hacienda, Indice de Precios de Artículos de Consumo.*

Dirección General de Meteorologia del Uruguay (*National Meteorological Service*): Juan Lindolfo Cuestas No. 1525, Casilla de Correo 64; f. 1900; Dir. Capitán de Navío Carlos Mari; publs. *Boletín, Anuario, Revista Meteorológica* (quarterly).

Goethe Institut: Río Branco 1494, Casilla de Correo 1257; Dir. Hans-Werner Wasmuth.

Instituto Cultural Anglo-Uruguayo (*Anglo-Uruguayan Cultural Institute*): Agraciada 1464, Piso 1°; f. 1934; library of 19,662 vols. of English literature; 1,400 records of English music; 4,600 students of English; lectures, films, musical, dramatic and social activities; Dir. P. J. Seccombe.

Instituto de Estudios Superiores (*Institute of Higher Studies*): Constituyente 1711; f. 1928; Pres. Dr. Carlos M. Fein; Sec. Luis P. Barattini; divided into sections: Music (Dir. Prof. Lauro Ayestarán); Phonetics (Dir. Dr. Adolfo Berro García); Experimental Philology (Dir. Dr. Aquiles Terrá); Geography and Geomorphology (Dir. Prof. Jorge Chebataroff); Geology (Dir. Ing. Jorge Aznárez); Palaeontology (Dir. Dr. Rodolfo Méndez Alzola); Spanish-American Literature (vacant); Biological Climatology (Dir. Dr. Manuel Silva Ferrer); Mathematics (Dir. Prof. Carlos A. Infantozzi); Oriental Culture (Dir. Prof. Nicholás Altuchov); Affiliated society: Meteorological Society: Dir. Prof. Néstor Píriz.

Instituto Geológico del Uruguay (*Geological Institute*): Calle Julio Herrera y Obes 1239; f. 1912; library of 12,650 vols.; Dir. Dr. Eduardo Terra Arocena; Geologists Ings. Nicolás Serra and Juan H. Caorsi; Palæontologist Dr. R. Méndez Alzola; Chief Engineer Hydrological Section Lorenzo Buquet; Chief Engineer Well-Boring Section E. E. Magnano; Inspector of Mines Ing. Mario Gil Nin; publs. *Boletín*, geological maps.

Instituto de Higiene de Montevideo: Américo Ricaldoni 3051; f. 1896; library of 6,000 vols.; publ. *Anales*.

Instituto Histórico y Geográfico: 18 de Julio 1195, Montevideo; f. 1843; 32 mems.; Pres. Ariosto D. González; publs. *Revista* (XXI vols.).

Instituto Interamericano del Niño (*Inter-American Child Institute*): Avenida 8 de Octubre 2882; f. 1927 by Prof. Dr. Luis Morquio; all the States of the Americas are members; specialised library of 35,000 vols.; open to

the public; Pres. Dr. MARCO TULIO MAGAÑA; Vice-Pres. Dr. FRED DELLI QUADRI; Sec. Dr. LUIS MONTAÑO ROLDÁN; Dir.-Gen. Dr. VÍCTOR ESCARDÓ Y ANAYA; publs. *Boletín, Noticiario, Informativo y libros y folletos especializados.*

Instituto de Investigación de Ciencias Biológicas: Casilla de Correo 458; f. 1927; 5 depts., 3 laboratories; 44 research staff; library of 4,500 vols.; Dir. Prof. CLEMENTE ESTABLE.

Istituto Italiano di Cultura: Calle Paraguay 1177; Dir. SALVATORE CANDIDO.

Liga Uruguaya contra la Tuberculosis (*Anti-Tuberculosis League*): Magallanes 1320; f. 1902; Pres. Dr. CARLOS M. MURGUÍA; Sec. RAFAEL R. AMETRANO; owns an Observation Hospital for 400 child patients, a Dispensary, Preventive and Dental Centres.

Observatorio Astronómico (*Astronomical Observatory*): Casilla de Correo 867; f. 1928; Dir. Prof. CARLOS A. ETCHECOPAR.

Servicio Geográfico Militar (*Military Geographical Institute*): Avenida 8 de Octubre 3255; f. 1913; Director Col. YAMANDÚ VIGLIETTI; publ. *Boletín del Servicio Geográfico Militar*, scale and aerial maps.

Sociedad de Amigos de Arqueología (*Archæological Society*): Buenos Aires 652, Casilla 399; f. 1926; 70 mems., 16 foreign mems.; publ. *Revista.*

Sociedad de Arquitectos del Uruguay (*Society of Architects*): Av. Agraciada 1464, Piso 14; f. 1914; Pres. Arq. HECTOR A. GUERRA; publs. *Boletín, Arquitectura.*

Sociedad de Biología de Montevideo (*Biological Society*): Casilla 567; f. 1927; 190 mems., 20 hon. mems.; affiliated to the Société de Biologie de Paris; library of 6,000 vols.; Pres. Prof. C. ESTABLE; Sec. Dr. C. GALEANO; publ. *Archivos de la Sociedad de Biología de Montevideo.*

Sociedad de Cirugía del Uruguay (*Surgical Society*): Av. Agraciada 1464, Piso 13; f. 1920; Pres. Dr. JUAN SOTO BLANCO; Vice-Pres. Dr. FERNANDO ETCHEGORRY; Sec.-Gen. Dr. ARMANDO LOUBEJAC; publ. *Boletín.*

Sociedad Uruguaya de Pediatría (*Pædiatrics Society*): Av. Agraciada 1464, Piso 13; f. 1915; 200 mems., affiliated to the Asociación Latino Americanade Pediatría; Pres. Dr. JOSE M. PORTILLO; Sec. Dr. CARLOS A. BAUZÁ; publ. *Archivos de Pediatría del Uruguay*; library of 2,200 vols.

La Estanzuela, Dpto. Colonia

Instituto Fitotécnico y Semillero Nacional "Alberto Boerger" (*National Plant Breeding and Plant Research Institute*): f. 1914; library of 5,000 vols.; Dir. Ing. Agr. J. CANAL; publs. *Archivo Fitotécnico del Uruguay*, technical papers, etc.

LIBRARIES

Montevideo

Archivo General de la Nación (*National Archives*): Calle Convención 1474; f. 1926; 14,000 vols.; Librarian ARBELIO RAMÍREZ; publ. *Revista.*

Biblioteca Central de Enseñanza Secundario: Consejo Nacional de Enseñanza Secundario, Eduardo Acevedo 1419; f. 1833; 100,000 vols.; Librarian MIGUEL ANGEL PIÑEIRO.

Biblioteca Municipal "Dr. Joaquín de Salterain": Santiago de Chile; 25,000 vols.; Librarian HJALMAR BLIXEN.

Biblioteca Nacional del Uruguay (*National Library*): Guayabo 1793; f. 1816; Dir. DIONISIO TRILLO PAYS; 500,000 vols.; comprises departments of catalogues, classification, bibliography, co-ordination and library of periodicals; publ. *Anuario Bibliográfico Uruguayo.*

Biblioteca Artigas-Washington (*U.S. Information Center*): Calle Yi 1327; f. 1943; Dir. MARY LOUISE McDONALD; 20,957 vols., mainly by modern United States authors, with special reference to technical works; 1,573 musical scores, 1,383 records, 5,928 pamphlets, 126 periodical subscriptions; publ. *Artigas-Washington.*

Biblioteca de los Maestros: f. 1920; 20,000 vols.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): Ituzaingó 1379; Dir. Dr. SAUL PÉREZ CASAS; Sec. ATILIO GIACOSA; 25,000 volumes.

Biblioteca del Museo Histórico Nacional (*Library of the National Historical Museum*): Casa Lavalleja, Zabala 1469, and Casa Rivera, Rincón 437; f. 1940; Dir. JUAN E. PIVEL DEVOTO; 41,385 vols., 1,468 vols. of MSS.; iconographs, engravings, maps, numismatics; the entire library and Uruguayan collections of Dr. Pablo Blanco Acevedo given to the State by his widow in 1942.

Biblioteca Pedagógica Central (*Pedagogic Library*): Plaza Cagancha 1175; f. 1888; library of 88,000 vols.; Dir. CARMEN SÁMANO DE BERMÚDEZ.

Biblioteca del Poder Legislativo (*National Congress Library*): Palacio Legislativo; 160,000 vols.; Dir. SECUNDINO VÁZQUEZ.

Florída

Biblioteca Pública Municipal: f. 1889; 42,000 vols.; Dir. JOSÉ ALBERTO DIBARBOURIE.

MUSEUMS

Montevideo

Museo Nacional de Bellas Artes (*National Museum of Fine Arts*): Parque Rodó, Casilla 271; f. 1911; 1,720 original paintings and 392 reproductions; Dir. JOSÉ LUIS ZORRILLA DE SAN MARTÍN; Deputy Dir. LEONARDO CANTÚ SIERRA.

Museo Histórico Nacional (*National Historical Museum*): Casa Rivera, Calle Rincón 437; f. 1900; sectional collections of local Indian cultures (prehistoric.; colonial epoch, development and political and social history of the country; portraits, relics, arms, documents, coins, medals. etc., relating to the Wars of Independence, British invasion, early revolutions, etc. *Casa Lavalleja:* Independence period, 1825-28; donated collections; *Casa de Montero*, 25 de Mayo 428; *Casa de Garibaldi*, 25 de Mayo 314; José Garibaldi in Uruguay 1837-1848; also Museo Romántico 1830-1890: musicology; newspaper and periodicals library; Dir. JUAN E. PIVEL DEVOTO; publs. *Revista Histórica*, catalogues, related leaflets.

Museo Municipal de Bellas Artes: Ave. Millan 4015; f. 1928; paintings, drawings, wood-carvings, sculptures; Dir. JUAN CARLOS WEIGLE.

Museo Nacional de Historia Natural (*Natural History Museum*): Casilla 399; f. 1837 as National Museum; herbarium with about 70,000 exhibits; archæological, native cultures, flora and fauna exhibits; zoological laboratory; library of 80,000 vols.; Dir. C. DIEGO LEGRAND; Sub-Dir. FERNANDO MAÑÉ-GARZÓN; Head of Laboratories: MIGUEL A. KLAPPENBACH; publs. *Anales, Comunicaciones Zoológicas, Comunicaciones Botánicas, Comunicaciones Antropológicas.*

Museo Pedagógico (*Pedagogic Museum*): Plaza Cagancha 1175; f. 1888; Dir. Srta. MARIA CARBONELL Y MIGAL.

Museo y Jardín Botánico de Montevideo: Avda. 19 de Abril 1179; f. 1940; Chief Botanist ATILIO LOMBARDO.

Museo Zoológico "Dámaso Antonio Larrañaga": Rambla República de Chile 4215; f. 1956; 1,000 species of molluscs, etc.; Dir. LUIS P. BARATTINI.

Tacuarembó

Museo del Indio: Calle 25 de Mayo 315; affiliated to the Instituto de Estudios Superiores de Montevideo; large collection representing ancient native crafts, weapons and other implements of the aboriginal Indians; Founder and Director WASHINGTON ESCOBAR.

UNIVERSITIES

UNIVERSIDAD DE LA REPÚBLICA

MONTEVIDEO
AV. 18 DE JULIO 1824,
Telephone: 4 33 13
Founded 1833

Rector: Dr. JUAN J. CROTTOGINI.
Secretary-General: Dr. ORESTES ARAÚJO.

The University Council is composed of the Rector of the University, the Deans of Faculties, and a Delegate from each Faculty Council.

Number of teachers: 2,227.
Number of students: 16,500.

Faculty Libraries: Agronomy (16,000 vols. and periodicals); Architecture (23,000 vols. approx.); Economics (40,000 vols. and periodicals); Law (120,000 vols.); Humanities (49,000 vols.); Engineering (35,000 vols.); Medicine (225,000 vols.); Dentistry (7 000 vols.); Chemistry and Pharmacy (28,000 vols.); Veterinary Medicine (7,000 vols.).

DEANS:

Faculty of Medicine: Dr. WASHINGTON BUÑO.
Faculty of Economics and Business Administration: Dr. ISRAEL WONSEWER.
Faculty of Law and Social Sciences: SAUL D. CESTAU.
Faculty of Odontology: Dr. OLIVIER P. FAJARDO.
Faculty of Agronomy: Ing. Agr. CARLOS FYNN.
Faculty of Chemistry: Dr. RODOLFO USERA BERMUDEZ.
Faculty of Engineering and Surveying: Ing. ENRIQUE DE MARTINI.
Faculty of Architecture: Arq. LUIS ISERN.
Faculty of Veterinary Science: Dr. LEÓN C. ARAGUNDE.
Faculty of Humanities and Science: Dr. RODOLFO V. TALICE.

DEPENDENT SCHOOLS

Escuela de Bibliotecnía: 18 de Julio 2083; f. 1945.
Director: Prof. ELVIRA LERENA MARTÍNEZ.

Escuela Universitaria de Servicio Social: Lavalleja 1843; f. 1957.
Director: Dr. DIONISIO J. GARMENDIA.

Escuela Nacional de Bellas Artes: José Marté 3328; f. 1957.
President: Arq. LEOPOLDO CARLOS AGORIO.

Conservatorio Nacional de Música: 25 de Mayo 692; f. 1957.
Director: MAESTRO CARLOS ESTRADA.

FACULTY SCHOOLS:

Faculty of Medicine:

Escuela de Colaboradores del México (*Schoo· of Paramedical Specialists*).
Director: Dr. EUGENIO FULQUET.

Escuela de Dietistas (*School of Dieticians*).
Director: Dr. ALBERTO MUNILLA.

Escuela de Graduados (*Graduate School*).
Director: Dr. FERNANDO D. GÓMEZ.

Escuela Universitaria de Enfermeria (*University Nursing School*).
Director: Nurse LILA PORTER.

Faculty of Economics and Business Administration:

Escuela de Administración Pública (*School of Public Administration*).
Director: ANGEL VEIGA DE CICCO.

Faculty of Law and Social Sciences:

Escuela de Periodismo (*School of Journalism*).
In formation.

Faculty of Agronomy:

Centro Experimental de Paysandú (*Paysandú Experimental Centre*).
Director: Ing. Agr. JUAN S. HATCHONDO.

Escuela Agronómica de Bañados de Medina (*Bañados de Medina School of Agronomy*).
Director: Ing. Agr. JOSÉ M. DEL CAMPO.

Escuela Agronómica de San Antonio (*San Antonio School of Agronomy*).
Director: Ing. Agr. JULIO A. REYES.

Escuela Experimental y Campo de Práctica de Sayago (*Sayago Experimental School and Farm*).
Director: Ing. Agr. ORESTES RIERA DURÁN.

UNIVERSIDAD DEL TRABAJO DEL URUGUAY (Technical University)

CALLE SAN SALVADOR 1674, MONTEVIDEO
Founded 1942

President: Ing. AGUSTÍN MAGGI.

Publication: *Revista Voluntad.*

The University organises and controls a number of industrial and night schools in Montevideo and other centres in the country, which provide technological education and training in various trades. The main industrial schools in Montevideo are:

Escuela Industrial de Mecánica y Electrotecnía (*Mechanics and Electrotechnics*): Gonzalo Ramírez 1675; also Ensina 1564, esq. Salto.
Director: FELIPE J. RAFFINI.

Escuela de Industrias de la Construcción (*Building*): Arenal Grande 1604, esq. Dante; number of teachers 86.
Director: JORGE GALUP.

Escuela de Industrias Femeninas (*Women's Trades and Domestic Economy*): San Salvador 1674; number of teachers 34.
Director: Prof. NELSON LÓPEZ HÚBERT.

Escuela de Artes Aplicadas (*Applied Arts*): Durazno 1557.
Director: Prof. LUIS A. GENTIEU.

Escuela de Artes Gráficas (*Graphic Arts*): Durazno 1555.
Director: RENÁN E. LAMAS.

Escuela de Industrias Navales (*Boatbuilding*): Juan L. Cuestas 1525.
Director: Com. Ing. RODOLFO GASDIA.

Escuela de Enseñanza Comercial (*Business Training*): San Salvador 1674.
Director: Cont. EDUARDO NOUGRERES.

Escuela Industrial de la Unión: Larravide esq. Joanicó.
Director: Arq. JOSÉ R. AMELA.

Escuela Industrial del Cerro: Agraciada 2544 esq. General Aguilar.
Director: Arq. EDUARDO G. VILLAVERDE.

There are industrial schools affiliated to the University at: Artigas, Canelones, Cardona, Carmelo, Colonia, Dolores, Durazno, Florida, Fraile Muerto, Fray Bentos, Fray Marcos, Guichón, Las Piedras, Maldonado, Melo, Mercédes, Minas, Pan de Azúcar, Pando, Paysandú, Rio Branco, Rivera, Rocha, Rosario, Salto, San Carlos, San José, San Ramón, Santa Lucía, Sarandí del Yí, Tacuarembó, Treinta y Tres, Trinidad, Young and Villa Soriano.

And agricultural schools at: Artigas, La Concordia, Durazno, Florida, Fray Bentos, Melo, Minas de Corrales, Piraraja, Rivera, Rocha, Rosario, San Carlos, San Ramón, Sarandí Grande, Tacuarembó and Trinidad.

VATICAN CITY STATE

ACADEMIES

Pontificia Academia Scientiarum (*Pontifical Academy of Science*): Casina di Pio IV, Vatican Gardens; f. 1603 as *Linceorum Academia*; reorganised by Pope Pius IX in 1847 as *Pontificia Accademia dei Nuovi Lincei*; reconstituted with present title by Pius XI in his Motu Proprio "In multis solaciis", 1936. The Academy is directly subject to the Sovereign Pontiff, and it is composed of seventy Pontifical Academicians, nominated by the Holy Father himself, proposed by the Academical Body and chosen without any discrimination from amongst the most famous experts in mathematical and experimental sciences in all countries. The seventy Pontifical Academicians are supplemented by Supernumerary Academicians, who are such by reason of their office, and by Honorary Academicians, chosen for their services to the Academy itself. An Apostolic Brief of 1940 granted to Pontifical Academicians the title of "Excellency"; publs. *Commentarii*, *Scripta varia*.

President: Prof. GEORGES LEMAITRE.
Chancellor: Dr. PIETRO SALVIUCCI.

I. HONORARY ACADEMICIANS:

Cardinal EUGENIO TISSERANT.
Cardinal GIUSEPPE PIZZARDO.
Cardinal GIOVANNI AMLETO CIGOGNANI.
Cardinal ANSELMO ALBAREDA.
Prof. VITTORIO VALLETTA.

II. PONTIFICAL ACADEMICIANS:

ALBAREDA-HERRERA, JOSÉ (Spain).
APPLETON, Sir EDWARD (United Kingdom).
BEST, HERBERT CHARLES (Canada).
BOLDRINI, MARCELLO (Italy).
BONINO, GIOVANNI BATTISTA (Italy).
BRÜCK, HERMANN ALEXANDER (United Kingdom).
BUYTENDIJK, F. J. J. (Holland).
CASTELLANI, ALDO (Portugal).
CHADWICK, Sir JAMES (United Kingdom).
CHAGAS-FILHO, CARLOS (Brazil).
COLONNETTI, GUSTAVO (Italy).
CONWAY, EDWARD JOSEPH (Ireland).
CROCCO, GAETANO ARTURO (Italy).
CRUZ-COKE, EDUARDO (Chile).
DAINELLI, GIOTTO (Italy).
DE ALMEIDA, ANTONIO (Portugal).
DE BROGLIE, Prince LOUIS (France).
D'EBYE, PETER (U.S.A.).
DE HEVESY, GEORGES (Sweden).
DIRAC, PAUL ADRIAN MAURICE (United Kingdom).
DOISY, EDWARD ADELBERT (U.S.A.).
ECCLES, Sir JOHN CAREW (Australia).
GARCIA OTERO, CESAR JULIO (Uruguay).
GARCÍA SIÑÉRIZ, JOSÉ (Spain).
GHERZI, ERNESTO, S.J. (Canada).
GHIGI, ALESSANDRO (Italy).
GIACOMELLO, GIORDANO (Italy).
HAHN, OTTO (Germany).
HEISENBERG, WERNER CARL (Germany).
HESS, VICTOR FRANCIS (U.S.A.).
HESS, WALTER RUDOLF (Switzerland).
HEYMANS, CORNEILLE (Belgium).
HINSHELWOOD, Sir CYRIL NORMAN (United Kingdom).
HÖRSTADIUS, SVEN (Sweden).
HOUSSAY, BERNARDO (Argentina).
HURTADO, ALBERTO (Peru).
JULIA, GASTON MAURICE (France).
LEMAITRE, D. GEORGES (Belgium).
LEPRINCE-RINGUET, LOUIS (France).
MAROTTA, DOMENICO (Italy).
MICHOTTE VAN DEN BERCK, ALBERT (Belgium).
MIZUSHIMA, SANIICHIRO PAUL (Japan).
NIEHANS, PAUL (Switzerland).
OORT, JAN HENDRIK (Holland).
PENSA, ANTONIO (Italy).
PISTOLESI, ENRICO (Italy).
RAMAN, Sir CHANDRASEKHARA VENKATA (India).
RASETTI, FRANCO (U.S.A.).
RUZICKA, LEOPOLD (Switzerland).
SANDOVAL-VALLARTA, MANUEL (Mexico).
SPERI SPERTI, GEORGE (U.S.A.).
TAYLOR, HUGH STOTT (U.S.A.).
TISELIUS, ARNE (Sweden).
VIRTANEN, ARTTURI ILMARI (Finland).
YUKAWA, YDEKI (Japan).

III. SUPERNUMERARY ACADEMICIANS:

GIUSTI, MARTINO.
JUNKES, GIUSEPPE, S.J.
O'CONNELL, DANIEL.
RAES, ALPHONSE, S.J.
SCHULIEN, MICHELE, S.V.D.

Accademia Romana di S. Tommaso d'Aquino e di Religione Cattolica (*Roman Academy of St. Thomas Aquinas*): 1 Piazza della Cancelleria, Rome; f. 1879; theological, philosophical and juridico-economic sections; Presidency Council consists of Cardinal GIUSEPPE PIZZARDO, Sec. Father CARLO BOYER, S.J.

Pontificia Accademia dell' Immacolata (*Academy of the Immaculate Conception*): 51 Piazza SS. Apostoli, Rome; f. 1835; Protector Card. CLEMENTE MICARA; Pres. Most Rev. Mgr. PIETRO SIGISMONDI; Sec. and Archivist Fr. LORENZO DI FONZO, O.F.M.CONV.; publs. *Studi Mariani, Vol. I*, 1944, *Alma Socia Christi, Vol. IX*, 1953, *Virgo Immaculata*, Vol. XV, 1958, *Maria et Ecclesia*, Vol. XV, 1960.

CARDINAL ACADEMICIANS:

PIZZARDO, GIUSEPPE.
SPELLMAN, FRANCESCO.
RUFFINI, ERNESTO.
CIRIACI, PIETRO.
OTTAVIANI, ALFREDO.
CONFALONIERI, CARLO.
ROBERTI, FRANCESCO.

Pontificia Accademia Mariana Internazionale (*Pontifical International Marian Academy*): via Merulana 124, Rome (Telephone 770551); f. 1946, Pontifical since 1959; Protector Cardinal ALFREDO OTTAVIANI; Pres. CARLO BALIC, O.F.M.; Sec. PAOLO MELADA, O.F.M.

Pontificia Accademia Romana di Archeologia (*Pontifical Roman Academy of Archæology*): Palazzo della Cancelleria Apostolica; f. 1740; 120 mems.; Pres. Prof. PIETRO ROMANELLI; Vice-Pres. Prof. GIOACCHINO MANCINI; Sec. Dr. DEOCLECIO REDIG DE CAMPOS; publs. *Rendiconti*, *Memorie*.

Pontificia Insigne Accademia Artistica dei Virtuosi al Pantheon: Palazzo della Cancelleria Apostolica, Piazza della Cancelleria, Rome; f. 1542; Protector Cardinal CLEMENTE MICARA; Pres. Principe URBANO BARBERINI; Sec. Prof. GIULIO R. ANSALDI.

Accademia Liturgica: 21 via Pompeo Magno, Rome; f. 1740, reconstituted 1840; Pres. and Protector Cardinal (Vacant); Dir. Most Rev. GIUSEPPE PIZZONI, C.M.; Sec. Mons. ELIO VENIER.

Pontificia Accademia Teologica Romana: attached to the Pontifical University of the Lateran; 4 Piazza S. Giovanni in Laterano, Rome; f. 1718; 34 hon. mems., 40 ordinary mems., 20 being normally resident in Rome, 10 from the rest of Italy and 10 from other countries, and 12 corres. mems.; Protector Cardinal GIUSEPPE PIZZARDO; Sec. Rt. Rev. Mgr. ANTONIO PIOLANTI; publs. *Divinitas*.

Collegium Cultorum Martyrum: 1 via Napoleone III, Rome; f. 1879; *circa* 850 mems.; Sec. Dott. MORRA TOMMASO.

Römisches Institut der Görres-Gesellschaft (*Roman Institute of the Society of Goerres*): via della Sagrestia 17, Vatican City; Dir. Rev. Dott. LUDOVICO VOELKL.

LIBRARIES

Biblioteca Apostolica Vaticana (*Vatican Apostolic Library*): Over the centuries, the Papal Library was several times dispersed and reconstructed; the present library was founded by Pope Nicholas V about the middle of the 15th century; at his death the Library contained 1,209 codices (414 Greek, 795 Latin); at the present time it contains some 60,000 MSS., 100,000 engravings, 5,000 incunabula, and 900,000 other volumes; among famous collections which have helped to build up the Library are those of the Dukes of Urbino (1657), of Queen Christina of Sweden (1690), of the Florentine Marquis Capponi (1745), of Barberini (1902), of Chigi (1923), and the Borghese collection, which included many items housed in the Papal Library at Avignon; the Sistine Chapel collection is of the greatest importance to historians of music; among the many rare and precious MSS. in the Library are a Greek Bible of the 4th century, Vergils of the 4th and 6th centuries, a 4th-5th-century palimpsest of Cicero's *Republic*, autographs of St. Thomas Aquinas, Tasso, Petrarch, Boccaccio, Poliziano, Michaelangelo, and Luther; Cardinal Protector EUGENE TISSERANT; Prefect Fr. ALPHONSE RAES; Vice-Prefect Can. ARNOLD VAN LANTSCHOOT.

The **Museo Sacro** (f. 1745); the **Museo Profano** (f. 1767; Hon. Conservator Dom GUIDO FERRARI), and the **Gabinetto Numismatico** (f. 1738; Hon. Conservator Dr. LUIGI MICHELINI-TOCCI), now form part of the Library.

Archivio Segreto Vaticano (*Papal Archives*): estab. by Pope Paul V in 1611; opened to students in 1880; publ. (jointly with Vatican Library) *Studi e Testi pubblicati per cura degli Scrittori della Biblioteca Vaticana e degli Archivisti dell' Archivio Vaticano*; Archivist Cardinal EUGÈNE TISSERANT; Prefect MARTINO GIUSTI; Vice-Prefect HERMANN HOBERG.

In addition to these two important libraries there is a library attached to each of the Papal Colleges and Seminaries.

MUSEUMS

Director-General of the Pontifical Monuments, Museums and Galleries: Count Dr. PAOLO DALLA TORRE DI SANGUINETTO (Acting).

Treasurer: Gr. Uff. Rag. GIUSEPPE CARLOTTI.

The Vatican Museums and Galleries contain the following sections:

Musei di Scultura: Museo Pio-Clementino; f. by Pope Clement XIV (1770-1774), and enlarged by his successor, Pius VI; exhibits include the Apollo of Belvedere, the Apoxyomenos by Lysippus, the Laocoon Group, the Nile and portraits of Homer, Pericles, Socrates and Plato; the original Vatican Museum was begun with the Apollo—already in possession of Pope Julius II when he was still a Cardinal, at the end of the 15th century—and the Laocoon Group, found in 1506.

Museo Chiaramonti and Braccio Nuovo: f. by Pope Pius VII at the beginning of the 19th century, to house the many new findings excavated in that period; exhibits include the statues of Demosthenes and of the Augustus "of Primaporta".

Museo Gregoriano Etrusco: inaugurated by Pope Gregory XVI in 1838; contains Tomba Regolini Galassi, bronze vases, terra-cotta and sepulchral urns.

Museo Gregoriano Egizio: inaugurated by Pope Gregory XVI in 1839; contains Egyptian papyri, mummies, sarcophagi and statues, including statue of Queen Tua (1300 B.C.).

Cappelle, Sale e Gallerie Affrescate: Cappella del Beato Angelico (o di Niccolò V, 1448-1450); Cappella Sistina constructed for Sixtus IV (1471-1484); Cappella di Urbano VIII (1625-1644); Le Stanze e Le Logge di Raffaello, etc.

Pinacoteca Vaticana: inaugurated by Pope Pius XI in 1932; includes paintings by Fra Angelico, Raphael, Leonardo Da Vinci, Titian and Caravaggio, and the Raphael Tapestries.

General Director: Count Dr. PAOLO DALLA TORRE DI SANGUINETTO; Inspector for the Medieval and Modern Section Dr. DEOCLECIO REDIG DE CAMPOS.

The Lateran Museums, Piazza San Giovanni in Laterano, Rome, consist of:

Museo Profano Lateranense: inaugurated 1844; includes statue of Sophocles found at Terracina; Curator: Prof. ENRICO JOSI.

Museo Cristiano Pio Lateranense: the largest and most important collection of Christian sarcophagi and inscriptions in existence; arranged 1854-1954; Curator Prof. ENRICO JOSI.

Museo Missionario-Etnologico: inaugurated 1927 by Pope Pius XI; Dir. MICHELE SCHULIEN; Asst. Dirs. P. PANCRAZIO MAARSCHALSKERWEERD, Conte Dr. PAOLO DALLA TORRE; publ. *Annali Lateranensi*.

Publs. for all except the Missionary Museum: *Relazioni dei Monumenti, Musei, Gallerie Pontificie, nei Rendiconti della Pontificia Accademia Romana di Archeologia*.

UNIVERSITIES AND COLLEGES

PONTIFICIA UNIVERSITAS GREGORIANA

(Pontifical Gregorian University)

4 PIAZZA DELLA PILOTTA, ROME

Founded by St. Ignatius Loyola and St. Francis Borgia, and constituted by Pope Julius III in 1553; confirmed and established by Pope Gregory XIII in 1582.

The central university for ecclesiastical studies **Pontificio Istituto Biblico** and **Pontificio Istituto per gli Studi Orientali** are autonomous colleges associated with the University.

Grand Chancellor: Cardinal GIUSEPPE PIZZARDO.
Vice-Grand Chancellor: Most Rev. Father P. ARRUPE.
Rector Magnificus: Most Rev. Father E. DHANIS.
Prefect-General of Studies: G. B. ALFARO.
Secretary-General: G. B. JIMENEZ.
Librarian: M. DYKMANS.

The library contains 408,500 volumes.
Number of teachers: 147.
Number of students: 3,443.
Publications: *Gregorianum, Periodica de re morali canonica liturgica, Analecta Gregoriana, Textus et documenta, Miscellanea Historiae Pontificiae, Archivum Historiae Pontificiae, Acta Nuntiaturae Gallicae, Latinitas perennis, Selecti Scriptores Societatis Iesu, Studia Missionalia, Sint Unum, Collectanea Spiritualia, Studia Socialia, Liber Annualis, Vita Nostra, Orbis in Urbe.*

DEANS:

Faculty of Theology: F. SULLIVAN.
Faculty of Canon Law: I. GORDON.
Faculty of Philosophy: F. SELVAGGI.
Faculty of Ecclesiastical History: V. MONACHINO.
Faculty of Missionary Work: G. MASSON.
Institute of Social Sciences: T. MULDER.

PROFESSORS:

ABELLÁN, P., Moral Theology
ADNÈS, P., Dogmatic Theology
ALFARO, J. B., Dogmatic Theology
ALONSO SCHÖKEL, A., Fundamental Theology
ALSZEGHY, Z., Dogmatic Theology
ANTÓN, A., Fundamental Theology
ARNOU, R., Natural Theology
ASENSIO, F., Exegesis
BATLLORI, M., Modern Church History
BELLUCCI, D., Protestant Theology
BELTRÃO, P., Introduction to Social Sciences, Demography
BERNARD, C. A., Spiritual Theology
BERNINI, G., Exegesis and Introduction to Holy Scripture
BERTIAU, F., Use of Electronic Calculating Machines
BERTRAMS, W., Text of Canon Law and Philosophy of Law
BEYER, J., Canon Law
BIDAGOR, R., Canon Law
BLET, P., Historical Method and Modern History
BORTOLOTTI, R., Church Public Law and Concordat Law
BOURASSA, F., Dogmatic Theology
BOYER, C., Dogmatic Theology
BOZAL, JIMENEZ, J., Canon Law
BUIJS, L., Canon Law
CALDIROLI, L., Work Legislation
CANTORE, E., Scientific Questions of Physics and Mathematics related to Philosophy
CARCIONE, A., Sociology
CARRIER, H., Introduction to Social Science and Sociology
CARTECHINI, S., Dogmatic Theology
CERECEDA, R., Comparative Constitutional Law
CLARK, F., Dogmatic Theology
COFFEY, E., Ethics
COPLESTON, F., Metaphysics
CRONIN, T., History of Medieval Philosophy
CROSS, L., Social History and Industrial Sociology
CROUZEL, H., Patristic Theology
CRUCHON, G., Educational Psychology
DALLA VEDOVA, A., National Income Analysis
DELANNOYE, G., Rational Psychology and Methodology
DE NINNO, G., Medico-moral Questions
DE SANDRE, P., Statistics
DHANIS, E., Fundamental Theology
DÍAZ DE CERIO, F., Philosophy of History
DÍEZ-ALEGRÍA, J., Church Social Doctrine and Introduction to Law
DROULERS, P., Modern History
DUMEIGE, G., History of Spirituality
DUNCKER, P., O.P., Hebrew
DE FINANCE, J., General Ethics
FLICK, M., Dogmatic Theology
FOIS, M., Church History
FUCHS, J., Moral Theology
FUERST, C., Dogmatic Theology and Methodology
GARCÍA VILLOSLADA, R., Recent History
GOENAGA, J., Social Ethics
GOETZ, J., Ethnology, History of Primitive Religions and Social Anthorpology
GÓMEZ CAFFARENA, J., Natural Theology
GÓMEZ-ROBLEDO, I., Fundamental Theology
GONZÁLEZ CAMINERO, N., History of Ancient Philosophy
GORDON, I., Canon Law
GRAMLICH, R., Islam Questions
GRASSO, D., Pastoral Theology
GRECO, G., Moral Theology
GRISAR, J., Modern History
HAMEL, E., Moral Theology
HANSSENS, I., Liturgy
HENRICI, P., History of Philosophy
HERTLING, L., Patrology
IPARRAGUIRRE, I.., Spiritual Theology
JANERAS, V., O.S.B., Oriental Liturgy
JARLOT, G., Economic Social History and Pontifical Documents
KEMPF, F., Medieval History
KIRSCHBAUM, E., Christian Archæology and History of Arts
KOŘÍNEK, A., Natural Theology and Interpretation of Aristotle
DE LABURU, J. A., Characteriology
LAND, P., Economics and Economic Ethics
LATOURELLE, R., Fundamental Theology and Introduction to Holy Scripture
LEFEBVRE, C., Canon Law History
LEIBER, R., Historical Synthesis
DE LESTAPIS, S., Pastoral Questions, Family
LIGIER, L., Dogmatic Theology
LITVA, F., History of Roman Curia and Archivistica
LIUIMA, A., Questions of Spiritual History
LO GRASSO, G., History of Public Church Law
LONERGAN, B., Dogmatic Theology
LÓPEZ-GAY, J., Introduction to Missiology and Principles of Japan Buddhism
LOTZ, J. B., Epistemology and Modern Philosophical Questions
LYONNET, S., Biblical Theology
MARCOZZI, V., Scientific Questions of Biology and Anthropology related to Philosophy
MARSILI, S., O.S.B., Liturgy
MARTINA, G., Church History
MARTÍNEZ FAZIO, L., Christian Archæology
MASSON, J., Mission Dogmatic, Missiography, Statistics and Buddhism
MCCOOL, F., Biblical Theology
MEHOK, W., Statistics
MENDIZABEL, L., Spiritual Theology
MOLINARI, P., Hagiography
MOLLAT, D., Exegesis
MONACHINO, V., Ancient Church History
MORANDINI, F., Introduction to Scholastic Philosophy, Logic and Epistemology
MORIARTY, F., Exegesis
MRUK, A., History of Moral Theology
MULDER, T., Economics
NAVARRETE, U., Canon Law
NOWLAN, E., Experimental and Social Psychology
O'CONNELL, M., Dogmatic Theology
O'FARRELL, F., Metaphysics
ORBE, A., Patrology and Patristic Theology
ORSY, L., Canon Law and Introduction to Civil Law
ORTIZ DE URBINA, I., Patrology
PIN, E., General and Religious Sociology
DES PLACES, E., History of Religions
PORRÔT, J., P.A., Mission Geography
RABIKAUSKAS, P., Paleography and Diplomacy
RAMBALDI, G., Spiritual Theology
RASCO, A., Exegesis
REZAC, I., Principles of Oriental Canon Law
RICHARD, R., Dogmatic Theology
RISK, J., American Matrimonial Questions
ROBLEDA, O., Roman Law
SANTOS, A., Mission Dogmatic Theology and Introduction to Missiology
SCHALL, J., Socio-Economic History and Pontifical Social Doctrine
SCHMIDT, H., Liturgy
SCHNEIDER, B., Modern Church History
SCHULTZE, B., Oriental Theology
SELVAGGI, F., Cosmology and Philosophy of Sciences
SHIH, I., Mission Catechetics
SPIDLIK, T., Theology of Eastern Christian Churches
SPRINGHETTI, E., Classical Latin and Biblical Greek
SULLIVAN, F., Fundamental Theology
SZASZKIEWICZ, G., Rational Psychology
TROMP, S., Fundamental Theology
TRUHLAR, K., Spiritual Theology
TUFARI, P., Sociology of Religious Order and Sociology of Culture
VAN BULCK, V., Introduction to History of Religions and Social Ethnology
VANHOYE, A., Exegesis
VAN OOTEGHEM, R., Economics
VAN ROO, W., Dogmatic Theology
VIGUÉS, H., Rural Economics
WETTER, G., Marxist Philosophy
WICKI, I., Critical Editions
WITTE, J., Protestant Theology

WUYTS, A., Oriental Canon Law
ZALBA, M., Moral Theology
ZIELINSKI, B., Exegesis
ZITNIK, M., Dogmatic Theology
ZORÈ, I. N., Dogmatic Theology
ZUBILLAGA, F., American Mission History

PONTIFICIO ISTITUTO BIBLICO

25 VIA DELLA PILOTTA, ROME

Telephone: 672778.

Founded 1909 by Pope Pius X for scriptural studies; Faculty of Ancient Oriental Studies added 1932; Pontifical Biblical Institute of Jerusalem f. 1927 (daughter college of Roman Institute).

Grand Chancellor: His Eminence Cardinal GIUSEPPE PIZZARDO, Prefect of Congregation of Studies.
Vice-Grand Chancellor: Most Rev. Father P. ARRUPE.
Rector: Rev. Father R. MACKENZIE.
Vice-Rector: Rev. Father A. VACCARI.
President Institute of Jerusalem: Rev. Father L. SEMKOWSKI.
Secretary: Rev. Father G. NOVOTNY.
Librarian: Rev. Father E. DES PLACES.

Number of professors: 27.
Number of students: 255.

Publications: *Biblica* (quarterly), *Orientalia* (quarterly), *Verbum Domini* (every two months).

DEANS:

Biblical Faculty: Rev. Father S. LYONNET.
Faculty of Ancient Oriental Studies: Rev. Father W. MORAN.

PROFESSORS:

Faculty of Biblical Studies:
ALONSO-SCHÖKEL, L., Old Testament Introduction and Theology
BEAUCHAMP, P., Old Testament Introduction
BOCCACCIO, P., Hebrew and Aramaic
DE LA POTTERIE, I., New Testament Exegesis
LE DÉAULT, R., Targumic Literature
LYONNET, S., Exegesis, New Testament Theology
MARTINI, C., Textual Criticism, Gospels
MACKENZIE, R. A. F., Old Testament Exegesis
MCCOOL, F., Introduction to the New Testament
MORAN, W., Old Testament Exegesis
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GONZÁLEZ RINCONES, PEDRO
VIZCARRONDO, ERNESTO, (elected)
CRIOLLO RIVAS, JULIO, (elected)
ANZOLA CARRILLO, A.
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RUIZ RODRÍGUEZ, J. M.
VALENCIA PARPACÉN, JOEL
CÓRDOBA, SALVADOR
CASTRO, PEDRO B.
PIFANO, FÉL-X, (elected)
TRAVIESO, CARLOS R.
RHODE, JESÚS
O'DALY, J. A.
RÍSQUEZ IRIBARREN, RAFAEL
DE ARMAS, JULIO, (elected)
IRIARTE, DAVID R.
BRICEÑO IRAGORRY, LEOPOLDO
GONZÁLEZ CELIS, JORGE
VEGAS, MARTÍN
GRANIER, MARCEL

Academia de Ciencias Físicas, Matemáticas y Naturales (*Academy of Physical, Mathematical and Natural Science*): Palacio de las Academias, Apdo. 1421; f. 1917; 30 Venezuelan, 20 foreign mems.; Permanent Commissions: Mathematics; Applied Mathematics; Astronomy, Geography, Hydrography and Navigation; Physical Science; Chemistry; Natural Science and Resources of the Country; Study of Educational Text-

Books; Geology and Minerals; Agronomy; Meteorology; publs. *Boletín* (quarterly), collections of works.

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IZQUIERDO, JOSÉ
LASSER, TOBÍAS
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MICHALUP, ERICH.
MORÁN, MANUEL
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VEGAS, LUIS FELIPE
VERA-IZQUIERDO, SANTIAGO.
VILLANUEVA, CARLOS R.
WALLIS, GUSTAVO
ZULOAGA, GUILLERMO

Elected:
ARISTAGUIETA, LEANDRO.
O'DALY, JOSÉ A.
PARDO STOLK, EDGARD
SARDI SOCORRO, VÍCTOR

Academia de Ciencias Políticas y Sociales (*Academy of Political and Social Sciences*): Palacio de las Academias, Antigua Universidad Central; f. 1917; publ. *Boletín*.

President: Dr. FRANCISCO MANUEL MÁRMOL.
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CALDERA RODRIGUEZ, RAFAEL
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USLAR PIETRI, ARTURO
PIETRI, LUIS G., (elected)
PIETRI, ALEJANDRO
ANGULO ARIZA, F. S., (elected)
AYALA, JOSÉ RAMÓN
MENDOZA, CHRISTÓBAL L.
MARMOL, FRANCISCO MANUEL
MALDONADO, MANUEL
MONSALVE CASADO, EZEQUIEL, (elected)
CUENCA, HÉCTOR
GUZMAN, PEDRO P.
VENEGAS FILARDO, PASCUAL, (elected)
URBANEJA ACHELPOHL, ALEJANDRO
BANCE, JUAN BAUTISTA
ARISMENDI, JOSÉ LORETO
PARRA MÁRQUEZ, HÉCTOR
SANABRIA, EDGAR
DE SOLA, RENÉ, (elected)
ALVAREZ, VICTOR M., (elected)
PENZINI HERNÁNDEZ, JUAN
CHIOSSONE, TULIO
ARROYO LAMEDA, EDUARDO
MIJARES, AUGUSTO
ESPINOSA, ALFONSO
MONTIEL MOLERO, CARLOS
HERRERA MENDOZA, LORENZO
PARRA, DARÍO, (elected)
LARES MARTÍNEZ, ELOY, (elected)
LÓPEZ BORGES, JOSÉ, (elected)
PULIDO VILLAFAÑE, ANTONIO, (elected)
VILLALBA VILLALBA, LUIS
PLANAS SUÁREZ, SIMÓN

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Caracas

GENERAL

Asociación Cultural Humboldt (*German Cultural Institute*): Avda. Segunda, No. 14, Campo Alegre; f. 1949; library; German classes, concerts.

Asociación Nacional de Escritores Venezolanos (*Venezuelan Writers' Association*): Velázquez a Miseria 22, Apdo. 429; f. 1935; Pres. JOSÉ RAMÓN MEDINA; Gen. Sec. ANGEL MANCERA GALETTI; publ. *Cuadernos*.

Asociación Venezolana Amigos del Arte Colonial (*Friends of the Colonial Art Association*): Museo de Arte Colonial, Quinta "Anauca", Avda. Panteón y Calle Gamboa, San Bernardino; preservation and collection of period furniture, paintings, architectural forms, music, legends, etç. up to 1810; Pres. Dr. MAURO PAEZ PUMAR; Sec. F. J. RODRÍGUEZ CAMPO; publ. *Revista*.

Asociación Venezolana para el Avance de la Ciencia (ASOVAC) (*Venezuelan Association for the Advancement of Science*): Apdo. del Este 5843; f. 1950; 1,000 mems.; Gen. Sec. Dr. FEDERICO PANNIER P.; publ. *Acta Científica Venezolana*.

British Council, The (*El Consejo Británico*): Apdo. 1246; co-operates with the Instituto Cultural Venezolano-Británico; offers scholarships in Great Britain, and maintains contact with Venezuelan educational authorities, etc.; Representative KENNETH G. WILSON.

Centro de Estudios del Desarrollo (CENDES) (*Centre for Development Studies*): Edificio Fundavac-Asovac, Avda. Neveri, Colinas de Bello Monte; f. 1960; centre of research, teaching and planning of problems of financial development and social changes; under the patronage of the Central University; Dir. Prof. JORGE AHUMADA.

Centro Venezolano-Americano (*Venezuelan-American Centre*): Edificio EASO Chacaíto, Apdo. 733; f. 1941; English and Spanish classes; library of 8,383 vols.; Dir. ANTHONI CHAPELL.

Colegio de Abogados del Distrito Federal (*Lawyers' Association*): Apdo. 347; f. 1788; 2,000 mems.; Pres. Dr. JOSÉ LUIS AGUILAR GORRONDONA; Sec. Dr. ADÁN FEBRES CORDERO; publ. *Revista*.

Colegio de Farmacéuticos del Distrito Federal (*College of Pharmacists*): Apdo. 224; f. 1949; 660 mems.; Pres. Dr. OSCAR CENTENO; publ. *Revista* and *Boletín "Colfar"*.

Consejo de Desarrollo Científico y Humanístico (*Council of Scientific and Humanistic Development*): Universidad Central de Venezuela; invites foreign scientists, sends representatives to International Congresses, awards scholarships; Pres. Dr. FRANCISCO DE VENANZI.

Consejo Nacional de Investigaciones Agrícolas (*National Council for Agricultural Research*): Torre Norte, 13°

piso, Centro Simón Bolívar; f. 1959; research organisation of the Ministry of Agriculture; 21 mems.; Pres. Dr. ANTONIO JOSÉ VILLEGAS; Vice-Pres. Dr. NÉSTOR ALTUVE GONZÁLEZ; Sec. Dr. ALONSO CALATRAVA; publ. *Invsetigación Agrícola* (bi-monthly).

Consejo Venezolano del Niño (*Council for Child Protection*): Av. San Martín; Apdo. 1209; f. 1942; Pres. EDMUNDO FERNÁNDEZ; Sec.-Gen. JOSÉ ANGEL RODRIGUEZ DELGADO.

Dirección de Cartografía Nacional del Ministerio de Obras Públicas (*Department of Cartography of the Ministry of Public Works*): Caño Amarillo, Estación Qta. Sta. Inés; f. 1935; Dir. Ing. ADOLFO C. ROMERO.

Dirección de Cultura y Bellas Artes del Ministerio de Educación (*Department of Fine Arts of the Ministry of Education*): Este 2 con Sur 25, El Conde, al norte de la Plaza Morelos, Los Caobos; Dir. ARTURO CROCE.

Dirección de Urbanismo, Ministerio de Obras Públicas (*Department of Town Planning of the Ministry of Public Works*): Centro Simón Bolívar, Torre Sur; f. 1946; Dir. JOSÉ SANDOVAL.

Dirección General de Estadística y Censos Nacionales—Ministerio de Fomento (*National Statistical and Census Office of the Ministry of Development*): Centro Simón Bolívar, Torre Sur, 5° Piso; f. 1938; Dir. JUVENAL UTRERA VELÁSQUEZ; publs. include *Anuario Estadístico de Venezuela, Boletín Mensual de Estadística, Boletín de Comercio Exterior, División Político-Territorial de la República*, and results of national censuses.

Fundación La Salle de Ciencias Naturales (*La Salle Foundation for Natural Sciences*): Edificio Fundación La Salle, Avda. Cota Mil, Apdo. Postal 8150; Dir. and Founder Rev. Hno. GINÉS; Exec. Dir. ANTONIO J. VILLEGAS D.; publ. *Monografías* (irreg.). Two dependent centres:

Estación de Investigaciones Marinas de Margarita: Punta de Piedras, Edo. Nueva Esparta; 5 depts.; Dir. Hno. GINÉS; publ. *Contribuciones* (irreg.).

Instituto Caribe de Antropología y Sociología: Apdo. Postal 8150; 4 depts.; Dir. LUIS R. OCANDO O.; publ. *Antropológica* (irreg.).

Fundación Venezolana para el Avance de la Ciencia (*Venezuelan Foundation for the Advancement of Science*): Apdo. del Este 5843; f. 1944; library of 6,000 vols.

Instituto Agrario Nacional (*Agrarian Institute*): Quinta Barraucas, La Quebradita; f. 1949; Pres. LUIS PIÑERÚA ORDAZ.

Instituto Botánico: Apdo. 2156, Ministerio de Agricultura y Cría, Caracas; f. 1920; Dir. Dr. TOBÍAS LASSER.

Instituto Cultural Venezolano-Británico (*British-Venezuelan Cultural Institute*): Apdo. 1246; f. 1941; Pres. Dr. TOBÍAS LASSER; Dir. K. G. WILSON; English classes given; lectures, films; library of 9,000 vols.; 180 mems.

Instituto de Cirugía Experimental (*Institute of Experimental Surgery*): Attached to the Faculty of Medicine of the Universidad Central de Venezuela; Dir. Dr. JULIÁN MORALES ROCHA.

Instituto de Medicina Experimental (*Institute of Experimental Medicine*): P.O. Box 10,588, Sábana Grande, Ciudad Universitaria, Caracas; f. 1940; 50 mems.; library of 12,403 vols.; Hon. Dir. Dr. AUGUSTO PI SUNER; Dir. Dr. HUMBERTO GARCÍA AROCHA; Heads of Departments: Biochemistry, Dr. CÉSAR GENÁTIOS; Pharmacology Dr. MARCEL GRANIER-DOYEUX; Physiology, Dr. HUMBERTO GARCÍA AROCHA; General Pathology, and Pathological Physiology, Dr. FRANCISCO DE VENANZI; Chief Librarian, ALECIA F. DE ACOSTA; Administrator JOSÉ GUERRERO VAZ; Secretary LOLA ROVERO C.

Instituto de Medicina Tropical (*Institute of Tropical Medicine*): P.O. Box 8250; f. 1947; Dir. Dr. FÉLIX PIFANO; publs. *Revista, Informes Anuales*.

Instituto del Folklore (*Folklore Institute*): Avda. Mohedano 72, La Castellana; f. 1946; a research institute with a museum of folklore art; Dir. LUIS FELIPE RAMÓN Y RIVERA; Dir. of Museum (Vacant).

Instituto Experimental de Agricultura (*Agricultural Experimental Institute*): f. 1938; Dir. Dr. RAMÓN PINTO SALVATIERRA; publs. *Boletín, Informes Anuales*, circulars.

Instituto Nacional de Higiene (*Institute of Hygiene*): Apdo. del Este 4412; f. 1939; houses the library of the Ministry of Health with 4,750 vols.; Dir. Dr. A. L. BRICEÑO ROSSI; publs. *Revista Venezolana de Sanidad y Asistencia Social, Ser, Salud Pública, Carta Mensual del Ministro*.

Instituto Nacional de Nutrición (*Institute of Nutrition*): Apdo. 2049; f. 1949; library of 10,000 vols.; Dir. Dr. PABLO LIENDO COLL; publ. *Archivos Venezolanos de Nutrición*.

Instituto de Oncología "Luis Razetti" (*Cancer Institute*): a dependency of the Ministry of Health; San Luis a Forestal, San José, Cotiza; P.O. Box 5165; f. 1936; Dir. Dr. RAMIRO SIERRAALTA.

Instituto Pedagogico Nacional: Avda. Carabobo, El Paraíso.

Instituto Venezolano de Análisis Económico y Social (*Institute of Economic and Social Analysis*): P.O. Box 6320; f. 1960; private institution for the study and diffusion of economic and financial problems; Pres. NICOMEDES ZULOAGA, Jr.; publ. *Orientación Económica*.

Instituto Venezolano de Investigaciones Científicas (IVIC) (*Scientific Research Institute*): P.O. Box 1827; f. 1958; research in Biology, Medicine, Chemistry and Physics; library of 22,800 vols.; 1,200 periodicals; Dir. Dr. MARCEL ROCHE.

Instituto Venezolano de Petroquímica (*Venezuelan Institute of Petro-chemistry*): Edificio Norte, Piso 18, Centro Simón Bolívar; f. 1956; official institute in charge of the Government petro-chemical industry; Sec. ALFREDO CABRERA ALEMÁN.

Instituto Venezolano-Francés (*French-Venezuelan Institute*): Avda. Buenos Aires, Los Caobos; French classes, language laboratory, library of 7,000 vols.; theatre, cinema; Dir. FRANÇOIS GRÉGOIRE.

Instituto Venezolano-Italiano de Cultura (*Italian-Venezuelan Cultural Institute*): Avda. Monte Sacro, Colinas de Bello Monte; P.O. Box 3995; f. 1954; Italian classes, library of 7,000 vols.; Dir. Prof. GIOVANNI ANGELO DE FRANCESCO.

Istituto Italiano di Cultura: Avda. Monte Sacro; Dir. Prof. GIOVANNI ANGELO DE FRANCESCO.

Ministerio de Minas e Hidrocarburos, Dirección de Geología (*Ministry of Mines, Geological Section*): Centro Simón Bolívar, Torre Norte, Piso 19; f. 1961; library of 2,000 vols; Dir. ALBERTO VIVAS R.; Heads of Divisions: Studies, ALIRIO BELLIZZIA; Economic Geology, CARLOS L. CARMONA; Heads of Departments: Laboratory, CECILIA MARTIN B.; Documentation and Cartography ANGEL R. BOSCÁN R.; publs. *Boletín de Geología, Boletín Mensual de Actividades Petroleras, Revista de Minas y Hidrocarburos, Anuario Petrolero y Minero de Venezuela, Petróleos Crudos de Venezuela y Otros Países, Léxico Estratigráfico de Venezuela* (in English and Spanish), *Geología de las Cuencas Sedimentarias de Venezuela, Memorias del III Congreso Geológico de Venezuela*.

Ministerio de Minas e Hidrocarburos, Dirección de Minas (*Department of Mining of the Ministry of Mines*): Centro Simón Bolívar, Torre Norte, piso 20; f. 1936; Dir. Dr. PAÚL J. ROMERO; Heads of Departments: Dept. of Gants; and Exonerations AGUSTÍN SILVA DÍAZ; Dept.

of Mining Cartography J. M. Seguela; Technical and Fiscal Office of Mines Dr. Luis M. Báez; publ. *Carta Semanal.*

Observatorio Naval Juan Manuel Cagigal (*Juan Manuel Cagigal Naval Observatory*): Colina del Calvario; f. 1890; Dir. Capt. Navío Jesus Cuevas Picón; publs. *Boletín, Informes anuales.*

Sociedad Amigos del Museo de Bellas Artes (*Society of the Friends of the Museum of Fine Arts*): Museo de Bellas Artes, Parque los Caobos; Pres. Hans Neumann.

Sociedad Bolivariana de Venezuela (*Bolivarian Society*): Apartado 874, Caracas. This is a national institution created for the purpose of cultivating and developing a cult to the memory of Simón Bolívar "The Liberator". The Society divulges by all available media the knowledge of Bolívar's Life and Works, as well as his political, cultural and social ideas, so that the spirit inherent in them may become an orientational guide for all Venezuelans, and contribute to the realisation of acts for the national enlightenment and collective welfare. The Institution performs also an international rôle: that of cultivating active relations with other Bolivarian Societies in both America and Europe, in order to develop continental solidarity and to defend cultural values. The Society prints a magazine which is its official publication, and publishes and distributes as well, an average of 15,000 volumes of historical works per year; 180 mems.; library of 3,000 vols.; Pres. Dr. Luis Villalba-Villalba; Sec. J. A. Escalona-Escalona; Librarian Manuel Pinto C.; publ. *Revista de la Sociedad Bolivariana.*

Sociedad de Ciencias Naturales La Salle (*La Salle Society of Natural Sciences*): Tienda Honda a Santa Bárbara No. 11; P.O. Box 8150; f. 1940; 27 mems.; 17 hon., 50 national and 26 foreign corres.; comprises four depts.: Anthropology, Botany, Zoology and Publications; the Museum contains more than 100,000 exhibits; other museums in Barquisimeto and San Cristóbal; Dir. Rev. Hno. Ginés; Pres. Ing. Luis Rivas; Vice-Pres. Mario González; Sec. Iván Ramírez; publs. *Memoria* (3 times a year), *Novedades Científicas* (two series: zoology and botany) (irregular), *Natura* (every 2 months).

Sociedad Venezolana de Arquitectos (*Architects' Association*): P.O. Box Apto. del Este 5262; f. 1945; 412 mems.; Pres. Ernesto Fuenmayor Nava; Gen. Sec. Juan P. López Rojas; publ. *Revista de la Sociedad Venezolana de Arquitectos.*

Sociedad Venezolana de Ciencias Naturales (*Venezuelan Society of Natural Sciences*): Avda. José Antonio Páez, El Paraíso, Apdo. 1512; f. 1931; 500 mems.; library of some 12,000 vols. and 4,000 periodicals; the Society organises annual exhibitions of orchids, fish, ornamental plants, maps, native handicraft; lectures and films on nature conservation; since 1952 a speleological department has been added which is actively studying and exploring all the caves in the country, listing so far over 450; Pres. Ramón Aveledo Hostos; Gen. Sec. Alberto Armitano; publ. *Boletín de la Sociedad Venezolana de Ciencias Naturales* (quarterly).

Sociedad Venezolana de Química (*Chemists' Association*): Edificio Industrias, Local 2-E, 2° piso, Puente República, Los Caobos; 100 mems.; Pres. Federico Milá de la Roca; Gen. Sec. Edgar Corothie; publ. *Revista de la Sociedad Venezolana de Química.*

Medical Societies

Colegio de Médicos del Distrito Federal (*Doctors' Association*): Plaza de Bellas Artes, Avenida Bellas Artes, Los Chaguaramos, Caracas; f. 1942; 2,800 mems.; Pres. Dr Hernán Quintero Uzcátegui; Sec. Dr. Joffre Díaz Guzmán; publ. *Acta Médica Venezolana.*

Sociedad Venezolana de Angiología (*Society of Angiology*): Colegio de Médicos del D.F.; Pres. Dr. Julián Morales Rocha.

Sociedad Venezolana de Alergología (*Society of Allergy*): P.O. Box 4682; Pres. Dr. Carlos Benaím Pinto.

Sociedad Venezolana de Anestesiología (*Society of Anaesthetists*): Colegio de Médicos, 3° piso; Pres. Dr. Jesús Molinos.

Sociedad Venezolana de Cardiología (*Society of Cardiology*): Colegio de Médicos del D.F.; Pres. Dr. Juan Puigbó.

Sociedad Venezolana de Cirugía (*Society of Surgeons*): Colegio de Médicos del D.F., 2° piso; Apdo. de Correos 2073; f. 1945; Pres. Dr. Aquiles Erminy R.

Sociedad Venezolana de Cirugía Plástica y Reconstrucción (*Society of Plastic Surgeons*): Edif. Bucaral, Av. La Salle, Los Caobos; Pres. Dr. A. Rodríguez de Lima.

Sociedad Venezolana de Cirugía Ortopédica y Traumatología (*Society of Orthopaedic and Traumatological Surgeons*): Colegio de Médicos del D.F.; Pres. Jorge Figarella.

Sociedad Venezolana de Dermatología (*Society of Dermatologists*): Colegio de Médicos del D.F., 2° piso; Pres. Dr. Rafael Medina.

Sociedad Venezolana de Endocrinología (*Society of Endocrinologists*): Instituto Policlínico Miguel Ruiz; Pres. Dr. L. M. Manzanilla.

Sociedad Venezolana de Gastroenterología (*Society of Gastroenterologists*): Centro Médico de Caracas, San Bernardino; f. 1945; Sec. Isidoro Zaidman Tesorero.

Sociedad Venezolana de Geriatría y Gerontología (*Society of Geriatrists*): Clínica Pinto Pilo, Chacao; Pres. Dr. Humberto Soriano.

Sociedad Venezolana de Hematología (*Society of Haematologists*): Hospital Vargas, San José; Pres. Dr. Tulio Villalobos Capriles.

Sociedad Venezolana de Historia de la Medicina (*History of Medicine Society*): Clínica Luis Razetti, Los Caobos; Pres. Dr. Franz Conde Jahn.

Sociedad Venezolana de Medicina Interna (*Society of Internal Medicine*): Hospital Universitaria, Cuidad Universitaria; Pres. Dr. Adolfo Starosta.

Sociedad Venezolana de Medicina del Trabajo y Deportes (*Venezuelan Society of Medicine—Works and Athletics*): Clínica Luis Razetti, Los Caobos; Pres. Dr. Alejandro Rhode.

Sociedad Venezolana de Obstetricia y Ginecología (*Society of Obstetricians and Gynaecologists*): Maternidad Concepción Palacios, Av. San Martín; Pres. A. Domínguez Gallegos.

Sociedad Venezolana de Oftalmología (*Society of Ophthalmologists*): Instituto Santa Lucía, Pichincha a Camilo Torres; Pres. Dr. A. Corredor.

Sociedad Venezolana de Oncología (*Society of Oncologists*): Centro Médico de Caracas, San Bernardino; Pres. Dr. Víctor Brito.

Sociedad Venezolana de Otorrinolaringología (*Society of Laryngologists*): Colegio de Médicos del D.F., 3° piso; Pres. Dr. Oscar Bustamante Miranda.

Sociedad Venezolana de Psiquiatría y Neurología (*Society of Psychiatrists and Neurologists*): P.O. Box 3380; Pres. Dr. Abel Sánchez Pelaez.

Sociedad Venezolana de Puericultura y Pediatría (*Society of Pediatrists*): Colegio de Médicos del D.F. 2° piso; Pres. Dr. Ernesto Figueroa.

Sociedad Venezolana de Radiología (*Society of Radiologists*): Policlínica Méndez Gimón, Av. Andrés Bello; Pres. Dr. Sebastián Núñez Mier y Terán.

Sociedad Venezolana de Salud Pública (*Society of Public Health*): P.O. Box 4675; Pres. Dr. Ceferino Alegría.

Sociedad Venezolana de Tisiología y Neumonología (*Society of Diseases of the Lungs*): Sanatorio Simón Bolívar, Carretera de Antímano; f. 1937; Pres. Dr. César Rodríguez.

Sociedad Venezolana de Urología (*Society of Urologists*): Colegio de Médicos del D.F., 3° piso; Pres. Dr. Luis Rodríguez Díaz.

Engineering Societies

Colegio de Ingenieros de Venezuela (*Engineers' Association*): P.O. Box 2006, Bosque Los Caobos; f. 1861; 3,400 mems.; Pres. Andrés Sucre Eduardo; Sec. José Amín; publs. *Revista* (quarterly) and *Boletín* (monthly).

Asociación de Agrimensores de Venezuela (*Surveyors' Association*): c/o Colegio de Ingenieros de Venezuela; Pres. Francisco J. Betancourt.

Asociación Venezolana de Ingenieros Eléctricos y Mecánicos (*Electrical and Mechanical Engineers Association*): c/o Colegio de Ingenieros de Venezuela; Pres. Enrique Lilue.

Asociación Venezolana de Ingeniería Sanitaria (*Sanitary Engineering Association*): c/o Colegio de Ingenieros de Venezuela; Pres. Luis Wannoni.

Sociedad Venezolana de Ingenieros Agrónomos (*Society of Agricultural Engineers*): c/o Colegio de Ingenieros de Venezuela, Apdo. 2006; f. 1944; Pres. Ing. Agr. Humberto Fontana.

Sociedad Venezolana de Ingenieros Civiles (*Society of Civil Engineers*): c/o Colegio de Ingenieros de Venezuela; Pres. Manuel Fernando Mejías.

Sociedad Venezolana de Ingenieros Forestales (*Society of Forestry Engineers*): c/o Colegio de Ingenieros de Venezuela; Pres. Marcos Hurtado.

Sociedad Venezolana de Geólogos (*Society of Geologists*): c/o Colegio de Ingenieros de Venezuela; Pres. Ernesto Alcaíno Alarcón.

Sociedad Venezolana de Ingeniería Hidráulica (*Society of Hydraulic Engineering*): c/o Colegio de Ingenieros de Venezuela, Apdo. 2006; f. 1960; Pres. Antonio J. de Guruceaga.

Sociedad Venezolana de Ingenieros de Minas (*Society of Mining Engineers*): Ciudad Bolívar, Estado Bolívar; Pres. Adolfo Yanes.

Sociedad Venezolana de Ingenieros de Petróleo (*Society of Oil Engineers*): c/o Colegio de Ingenieros de Venezuela; Pres. Rubén A. Carlo.

Sociedad Venezolana de Ingeniería Vial (*Society of Highway Engineering*): c/o Colegio de Ingenieros de Venezuela; Pres. Antonio J. Vicentelli.

Barcelona

Colegio de Médicos del Estado Anzoátegui (*College of Physicians*): Apdo. 84; Pres. Dr. Miguel Camacho Haack; publ. *Revista* (quarterly).

Barquisimeto

Centro Histórico Larense (*Lara Historical Centre*): Apdo. 73; f. 1941, the first of such Centres founded; 12 mems. publ. *Boletín*; library of *c.* 1,000 vols., donated by the historian, Dr. José Gil Fortoul.

Bramón

Estación Experimental de Café (*Experimental Coffee Station*): Rubio; f. 1954; Dir. Ing. Alfredo Rivas V.

Calabozo

Estación Biológica de los Llanos (*Biological Station*): Calabozo, Estado Guárico; under the jurisdiction of the Society for Natural Sciences of Venezuela; Dir. Dr. Augusto Bonazzi; the station is open to all who wish to study there and facilities including lodgings are provided.

Chacao

Asociación Venezolana de Geología, Minería y Petróleo (*Venezuelan Geology, Mining and Petroleum Association*): Apdo. 4400; f. 1948; 300 mems.; Pres. George W. Trump; publ. *Boletín Informativo* (monthly).

Ciudad Bolívar

Estación Meteorológica (*Meteorological Station*): f. 1910; Dir. Ernesto Sifontes; formerly a Government Office, since 1940 a private research station; also undertakes hydrographical surveys of the River Orinoco and its tributaries, numerous publications on meteorology and climatology of Venezuela.

Sociedad Médica (*Medical Society*): publ. *Gaceta Médica*.

Cumana

Centro Histórico Sucrense: f. 1945; 12 mems., 24 national and 14 foreign corresp.; Dir. R.P. Fray Cayetano de Carrocera; Sec.-Gen. Br. Alberto Sanabria; publ. *Boletín*.

Maracaibo

Centro Histórico del Zulia: f. 1940; 12 mems.; Pres. Abrahán Belloso; Sec.-Gen. Aniceto Ramírez y Astier; Librarian José A. Butrón Olivares; publ. *Boletín*.

Colegio de Farmacéuticos del Estado Zulia: publ. *Revista*.

Sociedad Médico-Quirúrgica del Zulia (*Medical and Surgical Society*): Apdo. 170; f. 1917; 51 mems.; Pres. Dr. Jorge Hómez Chacín; Sec. Dr. Franz Wenger; publ. *Revista*.

Maracay

Centro de Investigaciones Agronómicas (*Agricultural Research Centre*): Apdo. 653, Estado Aragua; f. 1938; Dir. Dr. Hernán Oropeza; publs. *Boletín*, *Informes*, *Agronomía tropical* (quarterly), monographs and yearbooks.

Instituto de Investigaciones Veterinarias (*Institute of Veterinary Research*): Apdo. 70, Estado Aragua; f. 1940; Dir. Dr. Med. Vet. Carlos Palacios; publs. *Boletín*, related works.

Mérida

Colegio de Médicos del Estado Mérida: publ. *Revista*.

San Cristóbal

Centro de Historia del Tachira: f. 1942; Pres. Pbro. J. Edmundo Vivas; Sec.-Gen. Marco Figueroa; publ. *Boletín*.

Valencia

Instituto Científico de Carabobo (*Scientific Institute*): Valencia (old Federal capital); f. 1943; 15 mems., 30 corresp.; comprises 8 Perm. Comms.; Dir. Francisco Ignacio Romero; Sec.-Gen. Luis Alfredo Colomine; publ. *Boletín*.

Instituto Regional de Antropología e Historia del Estado Carabobo (*Carabobo Regional Anthropological and Historical Institute*): Avenida Boyacá 99-20; Dir. Dr. Henriqueta Peñalver Gómez; publ. *Boletín*.

LIBRARIES AND ARCHIVES

Caracas

Archivo de Música Colonial Venezolano (*Archives of Colonial Music*): Escuela Superior de Música, Veroes a Santa Cápilla; Librarian García Lazo.

Archivo General de la Nación (*National Archives*): Santa Capilla a Carmelitas; f. 1910; Sections: La Colonia (1498-1810), La Revolución (1810-21), La Gran Colombia (1821-30), La República (1830 to present day); comprises Seminario de Investigación Archivística and courses on Palæography; Dir. Dr. Mario Briceño Perozo; publ. *Boletín*.

Biblioteca Nacional (*National Library*): San Francisco a Bolsa; f. 1833; the library now constitutes one of the departments of the recently formed autonomous Instituto Nacional de Cultura y Bellas Artes; over 400,000 vols.; Dir. LUIS BARRIOS CRUZ; Sub-Dir. OLGA DE GARCÍA; publs. include *Anuario Bibliográfico Venezolano, Catalogo General, Indice Bibliográfico, Boletín de la Biblioteca Nacional.*

Biblioteca de la Academia Venezolana de la Lengua (*Library of the Academy of Venezuela*): f. 1883; 15,500 vols.; Librarian RAMÓN DÍAZ SÁNCHEZ.

Biblioteca de la Academia Nacional de la Historia (*Library of the National Academy of History*): f. 1888; 35,000 vols., plus pamphlets; Librarian MARIO BRICEÑO PEROZO.

Biblioteca de la Academia Nacional de Medicina (*Library of the National Academy of Medicine*): f. 1904; 8,000 vols.; Librarian RICARDO ARCHILA.

Biblioteca Central de la Universidad Central de Venezuela (*Central University Library*): Ciudad Universitaria, f. 1850; 57,700 vols.; Librarian RAFAEL DI PRISCO.

Biblioteca de la Sociedad de Ciencias Naturales "La Salle" (*Library of the "La Salle" Society of Natural Sciences*): Fundación La Salle, Av. Cota Mil., San Barnardino; f. 1942; 30,000 vols.; Librarian FELIPE MATOS.

Biblioteca de la Universidad Católica "Andrés Bello" (*Library of the "Andrés Bello" Catholic University*): esq. de Jesuitas 37, Apdo. 422; f. 1953; 52,700 vols.; Librarian VICTORINO CANTERA, S.J.

Biblioteca del Banco Central de Venezuela: Santa Capilla a Carmelitas; f. 1940; 41,000 vols.; Librarian ASTA DE MOORE.

Biblioteca del Colegio de Médicos del D.F. (*Library of the Doctors' Association*): 3,000 vols.; Librarian Dr. HERMÁN WALLIS.

Biblioteca del Colegio de Ingenieros de Venezuela (*Library of the Engineers' Association*): Apdo. 2006; 45,000 vols.; Librarian ADA PAEZ.

Biblioteca del Congreso (*Congress Library*): Plaza del Capitolio; f. 1915; 9,000 vols.; Librarian LOURDES GARCÍA.

Biblioteca de la Corte Suprema de Justicia (*Law Courts Library*): Esquina de la Bolsa, Caracas; 4,000 vols.; Librarian Sra. GOSSI LARES DE HILZINGER.

Biblioteca de los Tribunales del D.F. "Fundación Rojas Astudillo" (*Law Library*): Edificio Gradillas, 4° piso, letra B; f. 1950; organises a specialised juridicial library and performs bibliographical services and studies; 26,300 vols.; Pres. ANTONIO PLANCHART HERNÁNDEZ; Sec. and Librarian JOAQUÍN SÁNCHEZ-COVISA; publ. *Boletín.*

Government Libraries:

Biblioteca del Ministerio de Agricultura y Cría (*Library of the Ministry of Agriculture*): Centro Simón Bolívar, Torre Norte, Piso 15; f. 1936; 9,000 vols.; Librarian MARÍA MAROTTA.

Biblioteca del Ministerio de Hacienda (*Library of the Ministry of Finance*): Centro Simón Bolívar, Edificio Norte, 4° piso, Oficina 421; f. 1937; 10,000 vols.; Librarian OLGA DE GIORGI.

Biblioteca del Ministerio de Fomento (*Library of the Ministry of Development*): Centro Simón Bolívar, Edificio Sur, 5° piso, Oficina 535; 7,000 vols.; Librarian ROSARIO BARNOLA.

Biblioteca del Ministerio de Minas e Hidrocarburos (*Library of the Ministry of Mines*): Centro Simón Bolívar, Torre Norte, piso 24; 2,572 vols.; Librarian JOSEFINA FORJONEL.

Biblioteca del Ministerio de Obras Públicas (*Library of the Ministry of Public Works*): Central Library: Centro Simón Bolívar, Torre Sur, piso 21; f. 1954; Dir. CARLOS A. ARREAZA F.

Biblioteca de la Dirección Urbanismo (*Library of the Department of Town Planning*): Centro Simón Bolívar, Torre Sur, Piso 28; 3,000 vols.; Librarian Sr. PADRÓN.

Biblioteca del Ministerio de Relaciones Exteriores (*Library of the Ministry of Foreign Affairs*): Casa Amarilla, Plaza Simón Bolívar; 5,000 vols.; specialises in international law; Librarian LEONOR PULGAR.

Biblioteca del Ministerio de Relaciones Interiores (*Library of the Ministry of the Interior*): Esquina de Carmelitas, 2° piso; 3,585 vols.; Librarian Dr. RUIZ LANDER.

Biblioteca del Ministerio de Sanidad y Asistencia Social (*Library of the Ministry of Health*): Instituto de Higiene, Ciudad Universitaria, Caracas, P.O. Box 5153 de Correos del Este; 4,630 vols.; Librarian ESPERANZA REYES BAENA.

Biblioteca del Ministerio del Trabajo (*Library of the Ministry of Labour*): Centro Simón Bolívar, Edificio Sur, 5° piso; 1,000 vols.; Librarian AFRICA VALERO ZERPA.

Biblioteca Popular Padre Sojo (*Public Library of the Ministry of Labour*); Villa Arvelo, Avenida San Marín; 2,000 vols.; Librarian VÍCTOR ALBERTO GRILLET.

Barquisimeto

Biblioteca Pública "Pio Tamayo" (*Public Library*): Calle 26, entre Carreras 20 y 21; f. 1911; 10,000 vols.; Librarian CRISTÓBAL VILLEGAS.

Maracaibo

Biblioteca "Baralt" (*Public Library*): Avda. 3 E No. 72-51, Apdo. 1340; f. 1961; 15,000 vols.; Librarian LUIS E. BOHORQUEZ.

Biblioteca de la Universidad de Zulia: La Ciega; f. 1946; 15,500 vols.; Librarian MARGARITA ALVAREZ GONZÁLEZ.

Mérida

Biblioteca de la Universidad de Los Andes (*Los Andes University Library*): Apdo. 306; f. 1875; 50,000 vols.; comprises General, Classical, Philosophical and Modern sections, with others for each Faculty; large collections of old books; Dir. MARÍA EUGENIA CHAVEZ DE BURGOS; publ. *Boletín Bibliográfico.*

Trujillo

Biblioteca "24 de Julio" (*Public Library*): f. 1930; 13,000 vols.; Librarian ITALA BRICEÑO RUMBOS.

Valencia

Biblioteca Central de la Universidad de Carabobo: 11,000 vols.; Librarian ANTONIETA PINTO DE KATZ.

Zaraza

Biblioteca General de Zaraza (*Public Library*): f. 1910; 13,500 vols.; children's section; Dir. F. GUSTAVO CHACIN.

MUSEUMS

Caracas

Casa de Simón Bolívar (*Bolívar's House*): San Jacinto y Traposos; purchased by public subscription; murals by Tito Salas depicting events of the Independence Movement; contains the correspondence and official documents written by Bolívar during the Wars of Independence; Curator Dr. VICENTE LECUNA.

Colección Ornitológica Phelps (*Collection of Venezuelan Birds*): Avda. Paez, Apdo. 2009; f. 1938; Owners and Founders WILLIAM H. PHELPS, WILLIAM H. PHELPS, Jr.; Curator R. AVELEDO HOSTOS; occasional papers published in scientific journals.

Museo de Arte Colonial (*Museum of Colonial Art*): Quinta Anauco, Avda. Panteón y Calle Gamboa, San Bernardino; f. 1942; Dir. MAURO PAEZ PUMAR; under the supervision of the Asociación Venezolana de Amigos del Arte Colonial.

Museo de Bellas Artes de Caracas (*Museum of Fine Arts*): Parque Sucre, Los Caobos; f. 1938, enlarged 1957; paintings and sculpture by national and foreign artists; Dir. MIGUEL G. ARROYO C.

Museo Bolivariano (*Bolivar Museum*): San Jacinto a Trapazos; inaugurated in present building 1960; contains 1,546 exhibits; mementos, portraits, personal relics and historical paintings of the great Liberator and his fellow-workers in the Independence Movement; sword of honour, gold-mounted, with 1,363 brilliants, Order of El Sol del Perú, both presented by Peru; medallion of George Washington with lock of his hair given by the family; 70,000 visitors annually; Dir. Dr. LINO IRIBARREN-CELIS; Sec. FLOR DE GENTILE; publ. *Gaceta del Museo Bolivariano*.

Museo de Ciencias Naturales (*Natural Sciences Museum*): Apdo. 8011; formerly Museo de Arqueología e Historia Natural; inaugurated under present name 1940; *c.* 29,500 archæological, ethnological, geological, zoological and palæontological exhibits, with special reference to Venezuela; gold "guaca" (funeral treasure) of the Tairona culture, artificially deformed prehistoric crania, etc.; Dir. J. M. CRUXENT; publ. *Publicaciones Ocasionales del Museo de Ciencias Naturales*.

Panteón Nacional (*National Pantheon*): housed in the old Iglesia de la Santísima Trinidad, the original building dating from 1744 but destroyed by the earthquake of 1812; rebuilt 1821, converted to present use 1874; contains the ashes of the Liberator, Simón Bolívar, and renowned leaders and notable citizens of the Independence Movement, as well as others of later fame.

Ciudad Bolívar

Museo "Talavera": Calle Bolívar 103; f. 1940; pre-Columbian and Colonial period exhibits, religious art, natural science, numismatics; Dir. Dr. J. GABRIEL MACHADO; publ. *Museo Talavera*.

Ciudad de El Tocuyo

Museo Colonial (*Historical Museum*): f. 1945.

Maracaibo

Museo de Ciencias Naturales (*Museum of Natural Science*).

Museo "Urdaneta" Histórico Militar (*Museum of Military History*): Calle El Museo; f. 1936; Dir. ANICETO RAMÍREZ Y ASTIER.

Trujillo

Museo "Cristóbal Mendoza" (*Historical Museum*).

COMMISSION

Caracas

Junta Nacional Protectora y Conservadora del Patrimonio Histórico y Artístico de la Nación (*Commission for the Protection and Preservation of the Historical and Artistic Heritage of the Nation*): there is a subsidiary office in each State; authorises exploration and excavation of sites; mems. are nominated by the Government for five-year terms, and may be re-elected.

UNIVERSITIES

UNIVERSIDAD DE CARABOBO

APDO. POSTAL 129, VALENCIA

Telephone: 3414, 5387-5033.

Telegraphic Address: Universidad de Carobobo, Valencia, Venezuela.

Founded 1852.

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Registrar: Lic. JORGE CASTRO CABRERA.

Secretary: Dr. EMIRO PUCHI ALBORNOZ.

Librarian: ANTONIETA PINTO.

Number of teachers: 257.

Number of students: 2,000.

Publications: *Boletín Informativo de la Universidad de Carabobo, Revista de la Facultad de Derecho.*

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QUIJADA, GLADYS, Chemistry
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STEPHANY ZILS, GERT E., Galenic Pharmacy
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MALDONADO GIL, ROQUE, Pædiatrics
MALDONADO M., CIRO, Surgery
MARÍN GASCÓN, ANDRÉS R., Anatomy
MARTENS COOK, JORGE, Biochemistry
MÉNDEZ LEÓN, SIXTO, Obstetrics
MOLINA BOURGOÍN, JORGE, Medicine
MONCADA REYES, FRANCISCO, Descriptive Surgical Pathology, Surgical Technique, Clinical Phthisiology
MORALES, PEDRO P., Surgical Medicine
MORENO DE LA TORRE, LESBIA, Medicine
NOGUERA OCHOA, ALBERTO, Internal Medicine
NUCETE MARAUINA, HUMBERTO, Physiopathology
NUCETE RODRÍGUEZ, HUMBERTO, Pathological Anatomy, Surgical Therapeutics, Ear, Nose and Throat
OCARIZ, JOSÉ H., Medical Pathology
OLIVER LUENGO, WALTER, Digestive Pathology
OPALINSKI, ALBÍN, Clinical Medicine
ORTIZ CORDERO, AMADO D., Surgery
OSUNA CEBALLOS, ALFONSO, Clinical Medicine
PACHECO VALERA, ALFONSO, Medicine
PAOLI BRICEÑO, ARTURO, Endocrinology
PAREDES DÁVLA, ERNESTO, Neumólogy
PARRA CEBALLOS, SILVESTRE, Digestive Pathology
PAZ MARTÍNEZ, VIRGILIO, Clinical Medicine
PÉREZ, ALFONSO, Medicine
PÉREZ MANZANEDA, DAVID, Forensic Medicine, Deontology
PÉREZ OVIEDO, PEDRO, Clinical Obstetrics
RADA FANGHER, REMY, Neurology
RANGEL VÁSQUEZ, FREDDY E., Microbiology
REAL JIMÉNEZ, GUILLERMO, Preventive Medicine
RENGEL SÁNCHEZ, LUIS, Normal Anatomy
REVILLA FRANCO, TOMÁS, Clinical Psychiatry, Clinical Pædiatrics
REYES DE LISCANO, TERESA, Pathological Anatomy
RINCÓN GUTIÉRREZ, PEDRO, Normal Pathology, Physio-Pathology
RINCÓN MARTÍNEZ, MANUEL I., Clinical Obstetrics and Gynæcology
RINCÓN PACHECO, DESIDERIO, Obstetrics
RIOS MORILLO, MARCIAL, Surgery
RITHMANN, MARIJA, Clinical Radiology
RIVAS COLS, HUGO, Obstetrics
RIVERA INCIARTE, GUSTAVO, Biochemistry
RIVERO ANDRADE, GREGORIO, Physiology
RODRÍGUEZ ORTIZ, ISIDRO, Pharmacology
ROJAS ROJAS, J. M., Clinical Ophthalmology, Pahramcology, Toxicology
ROMERO, AMÉRICO S., Pædiatrics
RUIZ VILLARROEL, FRANCISCO, Medicine
SALAS DE GÓMEZ, ELBA, Microbiology
SALFELDER, KARLHANNS, Histology, Embryology, Pathological Anatomy
SÁNCHEZ, GUILLERMO, Microbiology and Parasitology
SÁNCHEZ ROMERO, HÉCTOR, Tropical Medicine
SANTANDER, ERNESTO, Surgery
SCANU CAMARGO, TERESA, Parasitology
SEQUERA PALENCIA, HÉCTOR, Hygiene and Social Medicine
SERRANO GALAVIS, ALBERTO, Pædiatrics
SOSA, JULIO MARÍA, Normal Histology
SPINETTI BERTI, MARÍO, Biochemistry
TOLEDANO MAMÁN, AARÓN, Surgery
UZCÁTEGUI BURGUERA, ANTONIO J., Clinical Obstetrics and Gynæcology
UZCÁTEGUI CARMONA, MARÍA LUISA, Embryology
VARGAS ROMERO, MAURICIO, Clinical Obstetrics and Gynæcology
VELANDIA ARÉVALO, LUIS, Normal Anatomy
VETÉNCOURT, SÁNCHEZ, SERVIO T., Physiology
VIELMA, RAMÓN, Obstetrics
ZAMBRANO PAREDES, ZAIDA, Morbid Anatomy

Faculty of Engineering:
ABREU BURELLI, RAFAEL, Rational Mechanics
AGUIRRE PE, JULIÁN, Fluid Mechanics
ARDILA UZCÁTEGUI, RUBÉN, Soil Mechanics
ARELLANO ANGULO, JULIO C., Descriptive Geometry
BENDITO, JOSÉ L., Electromeasurement
BOADA GARCÍA, JESÚS, Descriptive Geometry
BORREGALES, PEDRO, Practical Chemistry
BRECK, JAROSLAV, Projects
BUSCHI, ALFREDO, Architecture, Highways

Camargo, Rosendo, Resistance of Materials
Contreras Merchán, Wigberté, Materials of Construction
Cova Rey, Iván, Architectural Design
Cuesta y Cuesta, Alfonsá, Humanities
Díaz Spinetti, Gustavo, Analytical Architecture
Espinoza Sosa, Hermes, Geology
Fargier, Suárez, Luis, Reinforced Concrete
Flórez González, Hermes, Electrical Technology
Flores Plaza, Julio, Rational Mechanics
García Esquivel, Alberto, Building
Garrido Miralles, Leopoldo, Public Buildings, Building Costs, Installations
Gersie, Daniel, Hydraulics
Goetze Rommler, Raimunde, Physics
Gonazlez D., Miguel, Applied Physics
González González, Faustro A., Descriptive Geometry
González Jaimes, Miguel A., Resistance of Materials
González Urdaneta, Elio, English
Guillen Echevarría, Hidalgo, Draughtmanships
Jáuregui Gorrozarri, Eduardo, Thermic Machines
Jelambi Terán, Gabriel, Draughtsmanship
Lobo Quintero, William, Foundations
López Pérez, Julio, Chemistry
Marrero, J. Santiago, Urban Economics
Miliani, Marcos, Introduction to Draughtsmanship
Muñoa Oraa, Carlos E., Humanities
Núñez del Prado y Calvo, Armando, Draughtsmanship
Olmos Osorio, Carlos, Design Architecture
Ortega González, J., Practical Chemistry
Pachas Patiño, Hernando, Topography
Padilla Hurtado, Manuel, Structures
Prata Caramadre, Emidio, Physics
Puleo Pisani, Francisco J., Electrical Installations
Ramírez García, Luis, Architectonic Design
Real Jiménez, Guillermo, Hygiene and Sanitation
Rimer Peña, Jorge, Physics
Rodríguez Torres, Luis, Fluid Mechanics
Saldivia de Sandia, Martha, Descriptive Geometry
Tabares, María Josefina de, Practical Analysis
Tomsin, Michel, Electronics
Vargas, Roberto, Mathematics
Zambrano Román, Humberto R., Applied Law
Zavrotsky, Andrés, Analysis

Faculty of of Economics:
Barrios Brazón, Isidro, Accountancy
Chuecos Poggiolo, Carlos E., Mining Economics
Corothie, Harry, English
Díaz, Angel F., Economic Geography
Fernández, Jesús A., Economic Theory
Fernández, María Mercedes de, Agricultural Economy
Hernández Terife, Gustavo, Social and Labour Economics
Hocevar, M., Joze, Economic Sociology
Hontario Guadamuro, Leocadio, Economic Theory
Marich, Carlos, Economic Theory
Mora Wanloxten, Juan L., Accountancy
Moreno, Rafael J., Public Accountancy
Pérez Canales, Benito, Mathematical Analysis
Quintero Trejo, Omar E., Public and Private Law
Reverón Osio, Claudio, Economic Development
Rivera Ocando, Aurora, Economic Geography
Soloaga, Juan I., Economic Geography and Sociology
Tinto Gotsens, Jaime, Economics and Statistics
Urdaneta, Herberto, Public Administration and Accounting
Vidal R., Juan M., Mathematical Analysis

Faculty of Forestry:
Abreu Burelli, Rafael, Rational Mechanics
Astorga Anta, Juan, Social Sciences
Bendito, José L., Physics
Bernal Euse, Jaime, Forestry Appraisal
Bracho Barreto, J. O., Highways
Breck, Jaroslav, Forestal Constructions
Buschi, Alfred J., Highways
Cardenas Colmenter, Antonio L., Climatology
Castillo, Juan B., Edaphology
Chávez, Luis F., Regional Planning
Claverie Rodríguez, Carlos, Slope Conservation
Corothie Chenel, Harry, Anatomy of Timber
Cova Rey, Iván, General and Technical Draughtsmanship
De Jongh, Francisco, English
Espinoza, Hermes, Introduction to Cartography
Fairest, Roger, Pulp and Paper Chemistry
Fernández Villa, Luis, Edaphology
Finol Urdaneta, Herman J., Silviculture
Flórez Plaza, Julio, Mathematical Analysis
González Delgado, Miguel, Physics
González Jaimes, Miguel A., Statics and Resistance
Gunnar E., Hiort, Forest Genetics
Hernández Gil, Rubén, Vegetal Physiology
Kiener, Pierre, Chemistry
Konrad, Víctor, Forest Planning
Lamprecht, Hans, Silviculture
Landaeta, Bovez, Juan, Mathematical Analysis
Liscano, Carlos J., Botany
Lombardi, Emilio, Cartography
López, José E., Demography
López Aguillar, J. M., Hydraulics
Luna Lugo, Aníbal, Forest Planning
Marich, Carlos M., Mathematics
Martínez Estévez, Pausolino, Forest Products Utilisation
Martínez González, Francisco, Geology
Masini Osuna, Ramon, Chemistry
Mendelovici Mates, Efraín, Soil Chemistry
Miliani, Marcos, General and Technical Draughtsmanship
Mora, Juan J., Anatomy of Timbers
Mundaraín Yegres, Pedro, Forest Protection
Ogaya Mengod, Noel, Mathematics
Paramonov, Alex, Entomological Research
Pérez Mogollón, Alirio, Anatomy of Timbers
Perrín, Pierre, Climatology
Petit Betancourt, Pedro, Forest Ecology
Petriceks, Janis, Forest Appraisal
Quijada Rosas, Marcelino, Genetics
Rodríguez Poveda, Luis E., Forest Planting
Rodríguez Sánchez, José R., Pulp and Paper Chemistry
Ruiz Terán, Luis E., Dendrology
Tinto, Jaime, Research Methods
Urdaneta, Heberto, Forest Economics
Venturini, Orlando, Human Geography
Vida, Juan M., Mathematical Analysis
Vilela Roberti, Enrique, Forest Constructions
Vilorio Díaz, Rafael E., Topography
Zavrotsky, Andrés, Statistics

UNIVERSIDAD DE ORIENTE

CIUDAD UNIVERSITARIA,
APARTADO POSTAL 105,
CUMANA, SUCRE
Telephone: 2294.
Founded 1960.

Rector: Dr. Luis Manuel Peñalver.
Vice-Rector for Administration: Dr. Oscar Rojas Boccalandro.
Vice-Rector for Academic Affairs: Dr. Eduardo González Reyes.
Librarian (Central Library): Lic. Miguel A. Sánchez.

Number of teachers: 239.
Number of students: 1,080.
Publications: *Oriente Universitario* (monthly bulletin), *Revista de Ciencias Sociales, Boletín del Instituto Oceanográfico.*

Nucleo Sucre

(*Sucre Campus*)
Cumana, Sucre
Founded 1959.

Director: Lic. Manuel Villegas.

Escuela de Ciencias (*School of Sciences*):
Director: Lic. Manuel Villegas.
Heads of Departments:
Mathematics: Prof. Ceferino Sánchez.
Biology: Prof. Sergio Tovar.
Physics: Prof. José R. Barreto.
Chemistry: Dr. Luis Nava Silva.
Topography, Geology and Draughtsmanship: Dr. Carlos Badaracco B.

Escuela de Ciencias Sociales (*School of Social Sciences*):
Director: Dr. John Temple Waggoner.

Escuela de Educación (*School of Education*):
Director: Prof. Jesús Rojas Velásquez.

Escuela de Administración (*School of Administration*):
Director: Prof. Ricardo Palermo Ortiz.

Escuela de Peritos Pesqueros (*School of Fishery Engineers*):
Director: Prof. Félix Ramírez.

Instituto Oceanográfico (*Oceanographic Institute*):
Director: Dr. Félix A. Balda.

Heads of Departments:
Geology: Dr. LUIS FELIPE CARABALLO.
Chemistry: Dr. TAIZO OKUDA.
Physical Oceanography: Prof. LUIS E. HERRERA BOLÍVAR.
Fishery Biology: Lic. JOSÉ CARVAJAL.
Taxidermy: HERBERT NEWBAUER.
Parasitology: Dr. PIR NASSIR.
Zooplankton: Dr. ERNEST KIRSTEUER.
Marine Biology: Dr. RAFAEL CURRA.

Nucleo Anzoátegui
(*Anzoátegui Campus*)
PUERTO LA CRUZ, ANZOÁTEGUI
Founded 1963.
Director: Dr. FREDDY MOGNA CRUZ.

Escuela de Ingenieria Quimica (*School of Chemical Engineering*):
Director: Ing. ALBERTO OCHOA.

Escuela de Ingenieria Eléctrica (*School of Electrical Engineering*):
Director: Ing. GERMÁN MILÁ DE LA ROCA.

Escuela de Ingenieria Mecánica (*School of Mechanical Engineering*):
Director: Ing. AMÍLCAR GÓMEZ.

Instituto Tecnologico de Oriente (*Oriente Technological Institute*):
Director: Dr. FREDDY MOGNA CRUZ.

Nucleo Monagas
(*Monagas Campus*)
JUSEPÍN, MONAGAS
Founded 1961.
Director: Dr. DIEGO SERPA.

Escuela de Ingenieria Agronómica (*School of Agricultural Engineering*):
Director: Dr. DIEGO SERPA.

Escuela de Ingenieria Petróleo (*School of Petroleum Engineering*):
Director: Ing. RICARDO FLORES.

Nucleo Bolívar
(*Bolívar Campus*)
CIUDAD BOLÍVAR, BOLÍVAR
Founded 1961.
Director: Ing. FEDERICO CORTEZ.

Escuela de Medicine (*School of Medicine*):
Director: Dr. FRANCISCO BATTISTINI.

Escuela de Ingenieria de Geologia y Minas (*School of Engineering, Geology and Mines*):
Director: Prof. JOSÉ BAPTISTA GÓMEZ.

UNIVERSIDAD DE SANTA MARIA
EL PARAISO, CARACAS
Founded 1953.

Rector: Dr. JOSÉ RAFAEL MENDOZA.
Secretary: Dr. JAIME MARÍN MEDINA.
Vice-Rector: Dr. JOSÉ RAMÓN BERRIZBEITIA.

Number of professors: 120.
Number of students: 1,500.

DEANS:
Faculty of Economics: Dr. CÉSAR BALLESTRINI.
Director, School of Economics: Dr. FERNANDO NUFSSENBAUM.
Director, School of Administration: Dr. LUIS BELTRÁN BASTARDO.
Faculty of Engineering: Dr. LUIS EDUARDO IRIARTE.
Faculty of Law: Dr. LUIS BERLIOZ BERMÚDEZ.
Faculty of Pharmacy: Dr. RAÚL SOJO BLANCO.

UNIVERSIDAD NACIONAL DEL ZULIA
MARACAIBO
Founded 1946.

Rector: Dr. ANTONIO BORJAS ROMERO.
Vice-Rector: Dr. RAFAEL DÍAZ CERRADA.
Secretary: Dr. HUMBERTO J. LA ROCHE.
Librarian: MARGARITA ALVAREZ GONZÁLEZ.

Libraries:
University Library, 19,000 vols.; *Faculty of Law*, 6,010 vols.; *Faculty of Medicine*, 953 vols.; *Faculty of Engineering*, 853 vols.; *Faculty of Dentistry*, 74 vols.; *Bolivar-Washington Library*, 2,523 vols.

Publications: *Gaceta Universitaria, Revista de la Universidad Nacional del Zulia, Letras y Artes, Ciencia y Cultura, Semanario Informativo*, various faculty bulletins.

DEANS:
Faculty of Law: LUIS PINTO SALVATIE.
Faculty of Medicine: VINICIO CASAS RINCÓN.
Faculty of Engineering: Dr. BERNARDO RODRÍGUEZ D'EMPAIRE.
Faculty of Dentistry: L. ESPARZA MARTÍNEZ.

SCHOOLS OF ART AND MUSIC

Caracas

Academia de Musica "Padre Sojo" (*Padre Sojo Academy of Music*): Calle Urdaneta No. 15, Chacao; Dir. Prof. JOSÉ ANTONIO CALCAÑO.

Conservatorio Italiano de Musica (*Italian Conservatoire of Music*): Edif. Centro Venezolano-Italiano de Cultura, Avda. Anauco, Colinas de Bello Monte; Dir. C. GALZIO.

Academia de Musica Fischer (*Fischer Academy of Music*): Edif. Léon de San Marco, Avda. Ciencias y Calle Risquez, Los Chaguaramos; Dir. CARMEN DE FISCHER.

Academia de Musica de Cámara Lina Parenti (*Lina Parenti Academy of Chamber Music*): Edif. Filadelfia, Avda. Las Palmas, La Florida; Dir. LINA PARENTI.

Escuela de Artes Plásticas y Artes Aplicadas "Cristóbal Rojas" (*Cristóbal Rojas School of Plastic and Applied Arts*): Plaza Morelos; f. 1936; Dir. LUIS DOMÍNGUEZ SALAZAR.

Escuela Superior de Musica "José Angel Lamas" (*Lamas High School of Music*): Veroes a Santa Capilla; f. 1887; Dir. VICENTE EMILIO SOJO.

Escuela de Musica "Juan Manuel Olivares" (*Juan Manuel Olivares School of Music*): Av. Vargas, San Vernardino; f. 1945; Dir. Prof. GONZALO CASTELLANOS.

Escuela Nacional de Opera (*National School of Opera*): Dirección de Cultura y Bellas Artes of the Ministry of Education; Dir. PRIMO CASALE.

DEMOCRATIC REPUBLIC OF VIET-NAM

Population 15,903,000

LEARNED SOCIETIES

HANOI

State Committee of Sciences:

Sections:
Mathematics and Physics.
Technical Sciences.
Social Sciences.
Medical Sciences.
Chemistry.
Biology, Geology and Geography.
Agricultural Sciences.

Research Institutes:
Institute of Literature.
Institute of Economics.
Institute of History.
Institute of Philosophy.
Institute of Measures and Standardization.
Group of Juridicial Sciences.
Research Station for the Tropicalization of Techniques.
Station of Oceanography.
Scientific Information Service: publ. *Information Bulletin on Scientific Activities.*
Central Scientific Library.

Association of Biology.

Association of Chemistry.

Association of Eastern Medicine.

Association of Electricity.

Association of Geography.

Association of Mathematics.

Association of Physics.

Association of Radio.

Building Association.

Cast and Metallurgy Association.

Engineering Association.

Federation of Medical Associations: includes the following:
Association of Internal Medicine.
Association of External Medicine.
Association of Obstetrics and Gynaecology.
Association of Paediatrics.
Association of Prophylactic Hygiene.
Odonto-Maxillo-Facial Association.
Association of Ophthalmology and Trachoma.
Oto-Rhino-Laryngology Association.
Association of Dermatology and Venereal Diseases.
Association of Tubercolosis.
Association of Radiology.
Association of Medical Biochemistry.
Association of Neuro-Psychiatry and Surgery.

Mining Assocaition.

Vietnam Association for the Popularisation of Scientific and Techinical Knowledge.

Vietnam Fine Arts Association.

Vietnam Journalists' Association.

Vietnam Musicians' Association.

Vietnam Theatrical Artists' Association.

Vietnam Writers' Association.

RESEARCH INSTITUTES

GOVERNMENT RESEARCH INSTITUTES

Fresh Water Fish Research Station: attached to the General Direction of Fresh Water and Sea Products.

Institute for Research on the Technology of Communication: attached to the Ministry of Communication and Transport.

Institute of Agricultural Sciences: attached to the Ministry of Architecture.

Institute of Building Materials: attached to the Ministry of Architecture.

Institute of Chemistry: attached to the Ministry for Heavy Industry.

Institute of Eastern Medicine: attached to the Ministry of Public Health.

Institute of Forestry: attached to the General Direction of Forestry.

Institute of Hygiene and Epidemiology: attached to the Ministry of Public Health.

Institute of Malariology, Parasitology and Entomology: attached to the Ministry of Public Health.

Institute of Materia Medica: attached to the Ministry of Public Health.

Institute of Ophthalmology: attached to the Ministry of Public Health.

Institute of Tuberculosis: attached to the Ministry of Public Health.

Sea Fish Research Station: attached to the General Direction of Fresh Water and Sea Products.

Sea Products Research Station: attached to the General Direction of Fresh Water and Sea Products.

OTHER RESEARCH INSTITUTES

Classical Theatre Research Service.

Fine Arts and Crafts Research Institute.

Music and Dance Research Service.

Popular Theatre Research Service.

Renewed Theatre Research Service.

Vietnam Antiquities Preservation and Museum Department.

LIBRARIES

Central Library: Hanoi; 900,000 vols.

Scientific Library: Hanoi; 200,000 vols.

There are 76 municipal and provincial libraries with between 5,000 and 20,000 volumes.

MUSEUMS

Army Museum: Hanoi.

Dien-Bien-Phu Museum: Dien-Bien-Phu.

Fine Arts Museum: Hanoi.

Haiphong Museum: Haiphong.

Historical Museum: Hanoi.

Hong Quang Museum: Hong-Gai.

Hung Yen Museum: Hung-Yen.

Revolution Museum: Hanoi.

Soviet Nghe-Tinh Museum: Vinh.

Viet Bac Museum: Thai-Nguyen.

UNIVERSITY AND COLLEGES

UNIVERSITY OF HANOI

(TRUÒNG DAI-HOC TÔNG-HO'P)
HANOI

Re-founded 1956.

Rector: NGUY-HHU'-KONTUM.

Number of teachers: 144.

Number of students: 1,075 (including students from foreign countries).

The University teaches fundamental sciences, engages in research and practical work in factories and co-operative farms, and participates in the scientific research of the State Committee of Sciences and in the Association for Scientific Diffusion.

Publication: *Tâp-san Dai-Hoc* (University Review).

Library: 50,139 vols.

Faculty of Mathematics and Physics: HOANG-TUY.

Faculty of Chemistry: NGUYÊN-HOÂN.

Faculty of Biology: DUONG-HUU-THÕI.

Faculty of Social Science: HOÂNG-XUÂN-NHI.

AFFILIATED INSTITUTES:

Agriculture and Forestry College (*Hoc Vien Nông Lâm*): Hanoi; f. 1945; conducts scientific research on agriculture, silviculture, cattle-breeding; publ. *Tin Tuc Khoa Hoc*.

Director: BUI HUY DAP.

Number of teachers: 70.

Number of students: 1,000.

Biological Station.

Agricultural Institute.

Architectural Institute.

College of Economy and Planning.

College of Finance and Accountancy.

College of Diplomacy: f. 1962; Departments of Foreign Affairs and External Trade.

College of Telecommunications: f. 1960.

Dance and Ballet School.

Fine Arts College: f. 1959; departments of Painting and Sculpture.

Foreign Trade College.

Hanoi Pedagogical Institute: f. 1956; departments of Literature, Foreign Languages, Mathematics, Chemistry and Biology.

Hydraulic Institute: f. 1959; departments of General Hydraulics and Electrical Engineeering.

Industrial Fine Arts College.

Institute of Forestry.

Institute of Medicine.

Institute of Pharmacy.

Music School.

Polytechnical Institute: f. 1956; departments of Mechanics and Metallurgy, Electrical Engineering, Mining and Geology, Construction, Industrial Chemistry.

Trade College.

Vinh Pedagogical Institute: f. 1959; Literature, Mathematics, Physics and Chemistry, Biology.

REPUBLIC OF VIET-NAM

Population 14,275,300

LEARNED SOCIETIES AND RESEARCH INSTITUTES

Alliance Française: 24 rue Gialong, Saigon.

Archaeological Research Institute (*formerly* National Institute of Historical Research): 66-68 Lê-Thánh-Tôn, Saigon; f. 1956; conserving historical monuments, studying history and civilisation of Viet-Nam and neighbouring countries; Dir. Bûu-Lich; publ. *Viet-Nam Khao-Cô tap san.*

British Council, The: 119 Nguyên-Huê Street, Saigon; Rep. L. S. Downes.

Centre for Nuclear Research: P.O. Box 60, Dàlat; f. 1962; devoted to the peaceful uses of atomic energy, particularly in agriculture and medicine; 250 kW. Triga Mk. 2 Reactor; library of 25,000 vols.; 10,000 microfilms; 30 technicians; Dir. Lê-Tuân-Anh; Dep.-Dir. Nguyên Tô Bôn.

Directorate of Cultural Affairs (responsible to the Ministry of National Education): 89 Le-Van-Duyet Street, Saigon; includes the Secretariat of the Viet-Nam National Commission for UNESCO; arranges for the exchange of documents with different Viet-Namese and foreign cultural organs; Dir. Nguyen-Dinh-Hoa; publs. *Van-hoa Tung-thu* (Viet-Namese Culture series), *Van Hoa Nguyet-San* (monthly bulletin on Viet-Namese Literature and Civilisation), *Viet-Nam Culture Series* (booklets in English and French), *Ky-yêú Unesco* (Unesco news).

Giáo Hôi Phât-Giáo Viet-Nam Thông Nhút (*Viet-Nam Unified Buddhist Congregation*): Viet-Nam Quôc-Tú, 16 Trân-Quôc-Tôan Avenue, Saigon; f. 1964; propagation of Dharma 11,000,000 mems.; Supreme Patriarch of the Viet-Namese Sangha The Ven. Thich Tinh Khiet; Pres. of High Council for Dharma Dissemination The Ven. Thich Tám Cháu.

Goethe-Institut: 120 Phan-dinh-Phung, Saigon; f. 1960; Dir. Dr. Erhard Stadtler.

Hôi Khong-Hoc Viet-Nam (*Vietnamese Association for Confucianist Studies*): 137-139 Phan-Thanh-Gian Street, Saigon; 14,000 mems.; Pres. Hoàng-Nam-Hùng.

Hôi Phât Hoc Nam Viet (*Association for Buddhist Studies*): Xa-Loi Pagoda, 89 Ba Huyen Thanh-Quan, Saigon; f. 1950; study and practice of Buddhism; 25,000 mems.; Pres. Mai Tho Truyen; publ. *Tu'-Quang.*

Hôi Thong Thien Hoc Viet-Nam (*Theosophical Society in Viet-Nam*): 72/6 Nguyen dinh Chieu Street, Saigon; f. 1952; 594 mems.; Pres. Mrs. Nguyen Thi Hai; Sec. Nguyen Van Huan.

Institute of Comparative Law and National Association of Comparative Law of Viet-Nam: c/o University of Saigon, 17 Duy-Tân Street, Saigon; publ. *The Asian Comparative Law Review* (quarterly).

Institute of Oceanography: Nhatrang; f. 1927; biological, physical oceanography, maregraphic and seismographic research establishment; collections hall, aquarium, reference library; Dir. Dr. Nguyên-Ha'i; Research Officers: Nguyên-Ngoc-Thach, Phan-Dinh-Tan (Physical Oceanography), Pham Hoang Ho (Botany), Nguyên Hai (Seismography), Lê-Quóc-Hông, Tran Ngoc Loi (Biology).

Institute of Research "Pasteur": Dàlat.

Mission Culturelle Française: 31 Rue Don-Dat, Saigon.

National Institute of Bacteriology and Animal Pathology: Saigon; f. 1957.

Nhóm bút Viêt (*Vietnamese Pen Club*): 36/59 Cô-Bac Street, Saigon; Pres. Vu-Hoàng-Chuong.

Society of Indo-Chinese Studies: c/o National Museum of Viet-Nam, Saigon; about 600 members; Oriental library; Pres. Joseph Bocquet; publ. *Bulletin* (quarterly).

Summer Institute of Linguistics (*Viên Chuyên-Khao Ngu-Hoc*): 5 Suong-Nguyêt-Ánh Street, Saigon; associated with the University of N. Dakota; scientific analysis of mountain languages, technical papers on phonology, morphology and syntax, phonetic alphabets; primers; Dir. Dr. Richard Pittman; Asst. Dirs. David Thomas, David Blood.

U.S. Information Centers: 143 Nguyen Hué Boulevard, Saigon; 8 Ly Thuong Kiet, Hué; 22 Yersin, Dàlat; 2/3 Phan Dinh Phung, Cantho.

Viet-Namese Association for Asian Cultural Studies and Relations: 34 Pham Dang Hung, Saigon; 175 mems. in Viet-Nam, 92 abroad; Pres. Nguyen Dang Thuc.

Viet-Namese Association for Confucianist Studies: 137-139 Phan Thanh Gian, Saigon; 14,000 mems.; Pres. Hoang Nam Hung.

LIBRARIES

Abraham Lincoln Library (United States Information Service): 143 Nguyen Hue, Saigon.

Alliance Française Library: 24 rue Gialong, Saigon.

Bibliothèque Générale: Petrus Ky High School, Tran Binh Trong Street, Saigon; 13,158 vols.; 1,208 periodicals; Dir. Nguyén Hùng Cuóng.

Bibliothèque Nationale: 34 Gia-Long Street, Saigon; 90,544 vols., 968 periodicals; Dir. Duong Sanh.

Central Library of the Department of Information: Saigon; f. 1955; 43,040 vols.; Chief Librarian Trân Huy-Nhuong.

French Cultural Mission Library: 31 rue Don-Dat, Saigon; 28,000 vols., in French.

Institute of Historical Research Library: 66-68 Le-Thanh-Tôn, Saigon; f. 1956; 26,000 vols., and 1,000 microfilms, including books on the history and civilisation of China and Viet-Nam, as well as modern Viet-Namese literature and books and documents in Chinese characters; part of the former **Imperial Library of Hué;** Dir. Nghiêm Thâm.

Municipal Library: Dàlat; 20,890 vols., children's library of 1,620 vols.; Librarian Le Minh Kinh.

National Institute of Administration Library: 10 Tran Quốc Toản, Saigon; f. 1955; 17,000 vols., 300 periodicals.

Popular Cultural Association Library: 7 Phan-ke-Binh Street, Saigon; 6,000 vols.

Society of Indo-Chinese Studies Library (*Bibliothèque d'Orientalisme*): Saigon; publ. *Bulletin* (quarterly-French language).

MUSEUMS

National Museum of Viet-Nam: Botanical Garden, Saigon; f. 1929; the 14 rooms contain objects relating to the different civilisations which have evolved over the Indo-Chinese Peninsula; ethnology, history, ancient arts, numismatics and archæology sections; Dri. NGUYÊN GIA DUC.

Museum of Huế: Huế.

Museum of Tourane: Tourane.

UNIVERSITIES

UNIVERSITY OF DÀLAT

RUE DE L'UNIVERSITÉ, DÀLAT

Founded 1958

Rector: R.P. NGUYÊN VAN LAP.

Secretary-General: TRÀN-QUANG-DIEU.

Number of professors: 61.

Number of students: 444.

Faculty of Education: R.P. TRAN VAN THIEN (Dean).

Faculty of Letters.

Faculty of Science.

Faculty of Theology.

Faculty of Scholastic Philosophy.

Seminary of Pius X.

UNIVERSITY OF HUÉ

3 RUE LE LOI, HUÉ

Founded 1957

Rector: Prof. BÙI-TUÒNG-HUÂN.

Secretary-General: NGUYÊN-DỊNH-HOAN.

Number of teachers: 211 (including 39 foreign professors).

Number of students: 3,561 (about 3,300 are full-time).

Library: 18,000 vols.

Publication: *Dai-Hoc* (Review of Higher Learning).

DEANS:

Faculty of Law: MAI-VAN-LE.

Faculty of Arts: HUYNH-DINH-TE.

Faculty of Science: TÔN THÂT HANH.

Faculty of Medicine: LE KHAC QUYEN.

Faculty of Education: NGUYÊN-HŨU-TRI.

UNIVERSITY OF SAIGON

3 CÔNG-TRUÒNG CHIÊN-SI, SAIGON

Founded 1917 as Université Indochinoise; became the University of Saigon, 1955.

Rector: Dr. TRÂN-QUANG-DE.

Number of teachers: 372.

Number of students: 19,071.

Publications: Faculty Reviews and Annals.

DEANS:

Faculty of Law: Prof. NGUYÊN-CAO-HÁCH.

Faculty of Medicine: Prof. PHAM-BIEU-TÂM.

Faculty of Science: Mrs. TRÀN-NGOC-TIÊNG.

Faculty of Letters: Prof. NGUYÊN-KHÂC-HOACH.

Faculty of Education: Prof. TRÀN-VAN-TAN.

Faculty of Pharmacy: NGUYÊN-VINH-NIÊN.

Faculty of Dental Surgery: Prof. NGUYÊN-HUY-TIÉP.

School of Architecture: Prof. TRAN-VAN-T'AI.

TITULAR PROFESSORS:

NGUYÊN QUANG TRÌNH (Sciences).
LÊ-VĂN-THÓI (Sciences).
VÕ-VĂN-MÂU (Law).
NGUYÊN-CAO-HÁCH (Law).
VU-QUÔC-THÚC (Law).
VU-QUÔC-THÔNG (Law).
PHAM-BIÊU-TÂM (Medicine).
NGUYÊN-HŨU (Medicine).
TRÂN-VY (Medicine).
TRÂN-DINH-DÊ (Medicine).
TRÂN-QUANG-DÊ (Medicine).
NGUYÊN-DINH-CÁT (Medicine).
TRINH-VĂN-TUÂT (Dentistry).

AFFILIATED INSTITUTES:

Geographic Institute: Dir. Mrs. QUÁCH-THANH-TÂM.

School of Living Languages: Dir. Dr. Prof. LÊ-VAN.

Trung-Tâm Quôc-Gia Nghiên-Cúu Khoa-Hoc (*National Centre of Scientific Research*): Dir. Prof. TRÂN-VY.

Viên Cao-Dâng Phât-hoc Saigon (*The Saigon Institute of Higher Studies*): Pháp-Hôi Pagoda 702/105, Phan-Thanh-Gian Street, Saigon; Vice-Rector: Ven. THICH-MINH-CHÂU, M.A., PH.D.

Truòng Cao-Dâng Nông Lâm-Súc (*Higher School of Farming, Forestry and Veterinary Surgery*): Prof. DẠNG-QUAN-DIỆN.

Truông Cao-Dang My-Thuật (*National School of Fine Arts*): Prof. NGUYÊN-VAN-LONG.

Van Hanh University: Saigon; f. 1965; operated by the United Vietnamese Buddhist Church.

COLLEGES

NATIONAL TECHNICAL CENTRE OF PHU-THO

PHU-THO, SAIGON

Director: LÊ SĨ NGAC.

Deputy Director: NGUYÊN KHAC NHÂN.

Total number of professors: 25.

Total number of students: 641.

School of Public Works: trains engineers and public works technicians; Dir. NGUYÊN-CHANH.

School of Electrical Studies: training in radio and electrical engineering; Dir. NGUYÊN-TU'-DUC.

National School of Industry: training in mechanical engineering; Dir. LÊ-SĨ-NGAC.

Naval School: trains deck and engine-room officers for the Merchant Navy; Dir. HÒ-DÁC-TÂM.

School of Chemistry: Prof. DINH-VAN-HOANG.

NATIONAL INSTITUTE OF ADMINISTRATION

10 TRAN QUOC TOAN, SAIGON

Founded 1955.

Rector: NGUYÊN-VAN-BÔNG.

The library contains about 17,000 books in Vietnamese, French and English.

Number of students: about 300.

Publications: *Journal of Administrative Research*, Government Manual, *Progress* (monthly).

The Institute offers three-year courses on General Administration and Economic and Financial Management.

WESTERN SAMOA

Population 114,427

LIBRARIES

Nelson Memorial Public Library: Apia; f. 1959; 8,500 vols.; operates school library box system with 15,832 vols.; also 2 bookmobiles.

Avele Agricultural College Library: 2,000 vols. serving 100 students.

COLLEGES

AVELE AGRICULTURAL COLLEGE

P.O. BOX 45, APIA

Founded 1924, reorganised 1958

Provides three-year courses.

Principal: T. M. S. CUNLIFFE, B.SC.
Warden: SAUNOA PERESE.

Number of students: 100, including students from the Cook Islands, Eastern Samoa, Tokelau Islands and Niue Island.

RESIDENT TEACHERS:

Assistant Master: T. P. LIDGARD, M.SC.(N.Z.).
Assistant Master: S. F. R. JACKSON, "C" Certificate.
Assistant Master: D. G. BARNSLEY, B.A.(Wales).
Assistant Mistress: Mrs. M. BARNSLEY.
Technical Instructor: MULITALO ROPI.

NON-RESIDENT INSTRUCTORS

PERESE, SAUNOA (Produce Inspection).
TREVIRANUS, H. (Farm Manager).

Instruction is also given by staff of Department of Agriculture.

MALIFA TEACHERS' TRAINING COLLEGE

MALIFA

Founded 1939

Principal: W. COLLINS, B.A., Dip. of Teaching, N.Z.

Number of teachers: 9.

Two-year courses, including general education, English, the history and practice of education, child psychology and teaching method and practice. The New Zealand Government also provides scholarships for entry into teacher-training colleges in New Zealand.

MALUA THEOLOGICAL COLLEGE

MALUA

Founded 1844 by London Missionary Society

Principal: Rev. D. G. BOWEN, B.A., B.D., TH.M.
Vice-Principal: Rev. OKA FAU'OLO.

Number of teachers: 4.
Number of students: 32.

PIULA THEOLOGICAL COLLEGE

LUFILUFI

Founded 1863 by Methodist Mission

Principal: Rev. R. S. POTTER, B.A., B.D.
Vice-Principal: Rev. F. APELU TUIMASEVE.

Number of teachers: 4.
Number of students: 28.

YUGOSLAVIA

Population 19,065,000

ACADEMIES

Jugoslavenska Akademija Znanosti i Umjetnosti (*Yugoslav Academy of Sciences and Arts*): Zagreb 1, Zrinski trg. 11; f. 1867; comprises 17 Institutes for History, Language and Literature, Biology, Chemistry, Research and Art; library of 100,000 vols.; publs. *Rad* (Memoirs), *Ljetopis* (annual), *Bulletin International Starine*, and material dedicated to the history of Croatian Literature.

President: Dr. GRIGA NOVAK.

Vice-President: Dr. FRANJO KOGOJ.

General Secretary: Dr. Ing. MIROSLAV KARŠULIN.

Director of Library: MATKO ROJNIĆ.

HONORARY MEMBERS:

RUŽIČKA, LAVOSLAV.
TITO, JOSIP BROZ.

MEMBERS:

Social Sciences:

ANDRASSY, Dr. J.
BAKARIĆ, Dr. VLADIMIR.
BOGDANOV, Dr. VASO.
ČALIĆ, Dr. D.
ČULINOVIĆ, Dr. FERDO.
GUNJAČA, Dr. STJEPAN.
KOSTRENČIĆ, Dr. MARKO.
KRBEK, Dr. IVO.
NOVAK, Dr. GRGA.

Mathematical Sciences and Physics:

BLANUŠA, Dr. Ing. DANILO.
IVEKOVIĆ, Dr. HRVOJE.
KARŠULIN, Dr. Ing. MIROSLAV.
LONČAR, Dr. JOSIP.
MARKOVIĆ, Dr. ZELJKO.
PAIĆ, Dr. MLADEN.
SUPEK, Dr. IVAN.

Natural Sciences:

LORKOVIĆ, Dr. Z.
MARIĆ, Dr. LUKA.
OGRIZEK, Dr. ALBERT.
PEVALEK, Dr. IVO.
SALOPEK, Dr. MARIJAN.
TAJDER, Dr. MIROSLAV.
TAVČAR, Dr. ALOIZ.
VARIĆAK, Dr. TEODOR.

Medical Sciences:

BABIĆ, Dr. IVO.
ČUPAR, Dr. IVO.
GUŠIĆ, Dr. BRANIMIR.
KOGOJ, Dr. FRANJO.
OKLJEŠA, Dr. BOZÍDAR.
PEROVIĆ, Dr. DRAGO.
TOMAŠEC, Dr. IVO.

Philology:

DEANOVIĆ, Dr. MIRKO.
GORTAN, Dr. V.
GUBERINA, Dr. PETAR.
HRASTE, Dr. MATE.
JONKE, Dr. LJUDEVIT.
MAJNARÍĆ, Dr. NIKOLA.
MUSULIN, Dr. STJEPAN.
TORBARINA, Dr. JOSIP.

Modern Literature:

CESARIĆ, DOBRIŠA.
KALEB, VJEKOSLAV.
KRKLEC, GUSTAV.
KRLEŽA, MIROSLAV.
MATKOVIĆ, MARIJAN.
ŠEGEDIN, PETAR.
ŠINKO, ERVIN.
TADIJANOVIĆ, D.

Art:

AUGUSTINČIĆ, ANTUN.
BABIĆ, LJUBO.
DETONI, MARIJAN.
FISKOVIĆ, Dr. CVITO.
GALIĆ, DRAJO.
HEGEDUŠIĆ, Prof. KRSTO.
HORVAT, LAVOSLAV.
KARAMAN, Dr. L.
KAUZLARIĆ, MLADEN.
KRŠINIĆ, FRAN.
MISE, JEROLIM.
MOHOROVIČIĆ, ANDRIJA.
RADAUŠ, VANJA.
SEISSEL, JOSIP.
TARTAGLIA, MARIN.

Music:

BARANOVIĆ, KREŠIMIR.
PAPANDOPULO, B.
SACHS, MILAN.
STANČIĆ, SVETISLAV.
ŠULEK, STJEPAN.

Slovenska akademija znanosti in umetnosti (*Slovene Academy of Sciences and Arts*): Ljubljana, Poštni predal 323-VI; f. 1921 as Scientific Society for Humanistic Researches; reorganised 1938 as Slovene Academy of Sciences and Arts; comprises Institutes for History, Oriental Studies, the Slovene Language, Slovene Ethnography, Literature, Terminology, Biology, Geology, Geography, Exploration of the Karstic Plateaux, Medicine; publs. *Annual Report, Slovene Biographical Lexicon, Dissertationes, Opera, Acta archaeologica, Acta geographica, Acta Carsologica, Fontes rerum Slovenicarum*, etc.

The library contains 120,000 vols.

President: JOSIP VIDMAR.

Vice-President: ANTON KUHELJ.

Secretary-General: MILKO KOS.

MEMBERS:

BEVK, FRANCE
BEZLAJ, FRANCE
BRECELJ, BOGDAN
BRODAR, SREČKO
GRADNIK, ALOJZ
HADŽI, JOVAN
JAKAC, BOŽIDAR
KALIN, BORIS
KOBLAR, FRANCE
KOROŠEC, VIKTOR
KOS, GOJMIR ANTON
KOSMAČ, CIRIL
KOŠIR, ALIJA
KOŽELJ, VENČE
KOZINA, MARIJAN
KRANJEC, MIŠKO
KREFT, BRATKO
KUŠEJ, GORAZD
LOBE, FELIKS
MELIK, ANTON
MIHELIC, FRANCE
NEUBAUER, ROBERT
OCVIRK, ANTON
PAVSIC, VLADIMIR
PETERLIN, ANTON
PLEMELJ, JOSIP
RAKOVEC, IVAN
ŠKERJANC, LUCIJAN M.
ŠNUDERL, MAKS
STELE, FRANCE
TAVČAR, IGOR
VAVPETIČ, LADO
VIDAV, IVAN
ZIHERL, BORIS
ZWITTER, FRAN

Srpska Akademija nauka I umetnosti (*Serbian Academy of Sciences and Arts*): Belgrade, Knez Mihailova ulica 35; f. 1886.

President: ILIJA DJURIČIĆ.
Vice-President: VELIBOR GLIGORIĆ.
Secretary: MILAN BARTOŠ.

Comprises the following Sections: Natural Sciences and Mathematics, Medical Sciences, Technical Sciences, Language and Literature, Social Sciences, Fine Arts (painting and music).

Publications: *Godišnjak* (The Year Book), *Glasnik* (Review), *Spomenice, Pregled izdanja* (Review of Publications), *Rečnik srpskohrvatskog jezika* (Dictionary of Serbo-Croatian language), each Section publishes *Glas* (Review) (in French and English), *Zbornici radova*, etc.

FULL MEMBERS:

ANDRIĆ, IVO, writer.
ARNOVLJEVIĆ, VOJISLAV, cardiologist.
BARTOŠ, MILAN, jurist.
BILIMOVIĆ, A., mathematician.
BUDIMIR, MILAN, classical philologist.
ČUBRILOVIĆ, VASA, historian.
DEROKO, ALEKSANDAR, architect.
DINIĆ, MIHAILO, historian.
DJORDJEVIĆ, JOVAN, jurist.
DJURIĆ, MILOŠ, classical philologist.
DOBROSAVLJEVIĆ, SLOBODAN, engineer.
GLIGORIĆ, VELIBOR, writer.
JOSIFOVIĆ, MLADEN, phytopathologist.
KARAMATA, JOVAN, mathematician.
KARDELJ, EDVARD, sociologist.
KAŠANIN, RADIVOJE, mathematician.
KOJIĆ BRANISLAV, architect.
KOLENDIĆ, PETAR, literary historian.
KONJOVIĆ, PETAR, composer.
KOSTIĆ MITA, historian.
KOSTIĆ, MILIVOJE, surgeon.
KRLEŽA, MIROSLAV, writer.
LAZAREVIĆ, DJORDJE, engineer.
LUBARDA, PETER, painter.
LUKOVIĆ, MILAN, geologist.
MARTINOVIĆ, PETAR, biologist.
MIĆOVIĆ, VUKIC, chemist.
MILOJEVIĆ, BORIVOJE, geographer.
MILOSAVLJEVIĆ, MIODRAG, engineer.
MILUNOVIĆ, MILO, painter.
MIŠKOVIĆ, VOJISLAV, astronomer.
NEDELJKOVIĆ, DUŠAN, philosopher.
NOVAK, VIKTOR, historian.
OBRADOVIĆ, ILIJA, engineer.
OSTROGORSKI, GEORGIJE, Byzantine historian.
PAVLOVIĆ, DRAGOLJUB, literary historian.
PAVLOVIĆ, STOJAN, mineralogist.
PETKOVIĆ, KOSTA V., geologist.
PETROVIĆ, VELJKO, writer.
RAJIČIĆ, STANOJLO, composer.
SAVIĆ, PAVLE, physicist.
SIMIĆ, ČEDOMIR, physician (parasitologist).
SPUŽIĆ, VLADIMIR, physician (alleryologist).
STANKOVIĆ, SINIŠA, zoologist.
STEFANOVIĆ, DJORDJE, chemist.
TADIĆ, JORJO, historian.
TODOROVIĆ, KOSTA, physician (infectious diseases).
TOMIĆ MIODRAG, mathematician.
VUJEVIĆ, PAVLE, geographer.
VUKDRAGOVIĆ, MIHAILO, composer.
ŽIVANOVIĆ, TOMA, jurist.

LEARNED SOCIETIES AND PROFESSIONAL ASSOCIATIONS

FEDERAL

Association of the Librarians' Societies of the F.S.R. of Yugoslavia: Belgrade, Terazije 26.

Association of the Mathematicians' and Physicists' Societies of the F.S.R. of Yugoslavia: Belgrade.

Association of the Physicians' Societies of the F.S.R. of Yugoslavia: Belgrade.

Pedagogical Society of the F.S.R. of Yugoslavia: Belgrade.

Federation of Engineers and Technicians of Yugoslavia: Belgrade, Kneza Miloša 7/1, P.O.B. 648; six territorial sub-divisions and thirteen professional sub-divisions; Chair. Ing. MILUN IVANOVIČ; publ. *Tehnika* (monthly).

Comprises the following federations, etc.:

Territorial:

Federation of Engineers and Technicians of Serbia.
Federation of Engineers and Technicians of Croatia.
Federation of Engineers and Technicians of Slovenia.
Federation of Engineers and Technicians of Bosnia and Herzegovina.
Federation of Engineers and Technicians of Macedonia.
Federation of Engineers and Technicians of Montenegro.

Professional:

Union of the Societies of Architects of Yugoslavia.
Union of Geological Societies of Yugoslavia.
Union of Geodesy Engineers and Geometricians of Yugoslavia.
Union of the Societies of Civil Engineers and Technicians of Yugoslavia.
Union of the Societies for Protection of Materials of Yugoslavia.
Union of Mechanical and Electrical Engineers and Technicians of Yugoslavia.
Union of Agricultural Engineers and Technicians of Yugoslavia.
Union of Mining and Metallurgical Engineers and Technicians of Yugoslavia.
Union of Circulation and Transport Engineers and Technicians of Yugoslavia.
Union of Textile Engineers and Technicians of Yugoslavia.
Federation of Chemical Technologists of Yugoslavia.
Federation of Forestry Societies of Yugoslavia.
Yugoslav Society for Mechanics.
Yugoslav Society for Metal Construction.

Union of Jurists' Associations of Yugoslavia: Belgrade, Proleterskihbrigada 74, P.O. Box 179; f. 1947; aims include: the study and elaboration of the principles of socialist democracy and law of the Republic, and co-operation with the foreign and international legal organisations; Pres. VLADIMIR SIMIC; 10,000 mems.; publs. include *The New Yugoslav Law*.

SERBIA

Association of Jurists of the S.R. of Serbia: Belgrade.

Association of Pharmacists of the S.R. of Serbia: Belgrade.

British Council, The: Prvog Maja 34, Belgrade; G. L. H. HITCHCOCK, O.B.E.

Centre Culturel Français: Zmaj Jovina 11, Belgrade; Dir. P. DUFOUR.

Društvo za Srpski Jezik i Književnost (*Society of Serbian Language and Literature*): Belgrade University; f. 1910; Pres. P. STEVANOVIĆ; Sec. D. PAVLOVIĆ; publs. *Pritozi za knjizevnost, jezik, istorija i folklor.*

Economists' Society of the S.R. of Serbia: Belgrade, Nusićeva 6-III, P.O. Box 490; f. 1944; Pres. BOGOLJUB STOJANOVIĆ; publ. *Ekonomika preduzeća* (monthly).

Federation of Economists' Societies of Yugoslavia: Belgrade, Nusićeva 6-III; f. 1945; Pres. VOJIN GUZINA; publ. *Ekonomist* (quarterly).

Historical Society of the S.R. of Serbia: Belgrade.

Jugoslovenski Centar za Tehničku i Naučnu Dokumentaciju (*Yugoslav Centre for Technical and Scientific Documentation*): Belgrade, Savska 29; f. 1952; library of 33,000 vols.; 43,000 copies of technical and scientific journals (3,900 received); Dir. TOMAŠ PEROVIĆ; publs. Abstracts, Bulletins.

Librarians' Society of the S.R. of Serbia: Belgrade, Knez Mihajlova 56; f. 1947; publ. *Bibliotekar* (The Librarian; quarterly); Pres. ČEDOMIR MINDEROVIĆ.

Linguistic Society: Belgrade University; f. 1920; Pres. A. BELIĆ; Sec. M. MOSKOVLJEVIC.

Matica Srpska (*Serbian Society*): Novi Sad; f. 1826; literary, scientific and publishing society; Sec. ŽIVAN MILISAVAC; publ. *Letopis Matice Srpske* and *Proceedings* (in the following series: natural sciences, social sciences, literature and language, philology and linguistics, art).

Mathematical and Physical Society of Serbia: Belgrade, P.O. Box 791; f. 1948; member of the Union of Mathematical and Physical Societies of Yugoslavia; Head of the Information Department Prof. D. S. MITRINOVITCH; publs. *Vesnik Društva matematičara i fizičara Narodne Republike Srbije* (Bulletin of the Mathematical and Physical Society of Serbia), *Nastava matematike i fizike* (The Teaching of Mathematics and Physics).

"Nikola Tesla" Society: Belgrade, P.O. Box 359; helps to develop and popularise the technical sciences, as applied in industry and agriculture, and edits the technical review *Tesla*, with contents in English.

Pedagogical Society of the S.R. of Serbia: Belgrade, Terazije 26; f. 1923, reorganised 1950; 300 mems.; Pres. STEVAN FILIPOVIĆ; publs. *Nastava i vaspitanje* (Teaching and Education); *Pedagoška biblioteka* (Pedagogical Library), *Pedagoške sveske* (Pedagogical Volumes).

Scientific and Literary Committee of Yugoslavia: Belgrade University; Pres. MIODRAG IBROVAC.

Serbian Chemical Society: Belgrade, Karnegijeva 4; f. 1897; 1,350 mems.; Pres. DJORDJE DMITRIJEVIĆ; Gen. Sec. DRAGOMIR VITOROVIĆ; publs. *Glasnik hemijskog društva Beograd* (Bulletin).

Serbian Geological Society: Belgrade, Kamenička 6; f. 1891; 320 mems.; Pres. NIKOLA PANTIĆ; publ. *Zapisnici Srpskog geološkog društva* (Report of the Serbian Geological Society).

Serbian Geographical Society: Belgrade, Studentski Trg. 3; f. 1910; Chair. M. S. VASOVIĆ; publs. *Bulletin* (twice a year), *Mémoires*, *Editions Speciales*.

Serbian Physicians' Society: Belgrade.

Society for Research and Prevention of Cancer: Belgrade.

Srpsko biološko društvo (*Biological Society of Serbia*): Belgrade, Trg. Terazije 10; f. 1922; Pres. Dr. MAKSIM TODOROVIĆ; Secs. Dr. IVAN BAZIĆ, Dr. JELISAUEŁA IVANOVIĆ, ZDZÁVKO VUĆKOVIČ; publ. *Archives of Biological Sciences.*

Union of the Societies of Engineers and Technicians of the S.R. of Serbia: Belgrade, 7 Kneza Miloša; f. 1945; 8,014 mems.; Pres. V. DRAGOVIĆ; Vice-Pres. B. NEŠOVIĆ; Sec. S. VUJADINOVIĆ; publ. *Tehnika* (monthly).

U.S. Information Service: 19 Çika Ljubina, Belgrade; Reading Room at Narodnih Heroja 5, Novi Sad.

CROATIA

Association of Jurists of the S.R. of Croatia: Zagreb.

British Council, The: Ilica 12, Zagreb; Dir. J. M. MITCHELL.

Economists' Society of the S.R. of Croatia: Zagreb.

Geographical Society of Croatia: Zagreb, Marulićev Trg 19; f. 1947; 730 mems.; Dir. Dr. IVAN CRKVENČIĆ; publs. *Geografski glasnik* (annual), *Geografski horizont* (quarterly).

Hrvatsko Prirodoslovno Društvo (*Croatian Society of Natural Sciences*): Zagreb, Ilica 16; f. 1885; Pres. Dr. S. SREMEC; Sec. Prof. Dr. L. RANDI.; publs. *Priroda* (Nature), *Biological Review*, collection of scientific works on biological problems. The Society has the following six sub-sections.

Kemijsko Društvo (*Society of Chemists*): Marulićev Trg. 19; Zagreb; publ. *Archiv za Kemiju.*

Astronomska Sekcija (*Section of Astronomy*): Astronomical Amateur Observatory, Zagreb, Opatička 22.

Društvo matematičara i fizičara (*Society for Mathematics and Physics*): publ. *Glasnik Matematike, Fizike i Astronomije* (Bulletin for Mathematics, Physics and Astronomy).

Biološka Sekcija (*Biological Section*).

Section for the Protection of Nature.

Astro-nautical Section.

Institut Français: Zagreb; Dir. MAURICE JORDY.

Library Association of the S.R. of Croatia: Zagreb, University Library; its object is to promote librarianship in Croatia; publ. *Vjesnik bibliotekara Hrvatske.*

Matica Hrvatska (*Croatian Society*): Zagreb, Matičina ul. 2; f. 1842; literary and publishing society; Chair. Prof. JAKŠA RAVLIČ; publ. *Kolo.*

Museum Society of Croatia: Zagreb, Trg. Maršala Tita 10; Pres. Dr. STJEPAN ČANADJIJA; Sec. DJURDJICA COMISSO; publ. *News of Museum Keepers and Conservator Scientists of Croatia* (*Yugoslavia*) (every two months).

Numismatic Society: Zagreb, Gunduliceva ul. 14/1; f. 1930; Pres. Dr. IVO MEIXNER; publs. *Numizmatika, Numizmaticke Vijesti, Bilten Numizmaticog drustva Zagreb.*

Pedagogical and Literary Union: Zagreb, Trg. M. Tito 4; mem. of the Union of Pedagogical Societies of Yugoslavia, Belgrade.

Pharmacists' Society of the S.R. of Croatia: Zagreb, Masarykova 2; f. 1946; 1,185 mems.; Chair. BOŽIDAR ŠTRAUS, D.PHARM., PH.C., Milit. Pharm. Col.; Vice-Chairs. RADOVAN DAMAŠKA, PH.C. and SELMA DERENČIN, PH.C.; Secs. MARIJA MOVRIN, D.PHARM., PH.C. and KRUNOSLAV BOŽIĆ, PH.C.; publ. *Farmaceutski Glasnik* (monthly).

Physicians' Association of Croatia: Zagreb.

Society for Promoting the Activities of the Technical Museum of Croatia: Zagreb, Savska c.18; f. 1955; Pres. Ing. HERMAN MATTES; Sec. PREDRAG GRDENIĆ.

Students' Society for Scientific Work: Zagreb.

Union of the Societies of Engineers and Technicians of the S.R. of Croatia: Zagreb, Berislaviceva 6; f. 1945; 200 mems.; library of 5,000 vols.; Chief Officer Prof. Dr. Ing. ERVIN NONVEILLER; publ. *Gradevinar.*

SLOVENIA

Association of Mathematicians and Physicists of Slovenia: Ljubljana, P.O. Box 227; f. 1949; Chair. Dr. A. VADNAL; publ. *Obzornik za matematiko in fiziko* (quarterly).

Društvo za raziskovange jam Slovenije (*Slovene Society for the Exploration of Caves*): Postojna; f. 1910; Pres. Dr. IVAN GAMS; Sec. PETER HABIČ.

Geografsko društvo Slovenije (*Geographical Society of Slovenia*): Ljubljana, University of Ljubljana, Aškerčeva 12; f. 1922; 530 mems.; Sec. JELKA KUNAVER; publ. *Geografski Vestnik.*

Historical Society for Slovenia: Ljubljana, Turjaska 1; f. 1839 reorganised 1946; Chair. Dr. FRAN ZWITTER; publ. *Historical Review* (quarterly).

Institut za raziskovanje krasa (*Institute for the Exploration of Karst*): Postojna; f. 1947; Pres. Dr. SREČKO BRODAR.

Matica Slovenska (*Slovenian Society*): Ljubljana, trg. revolucije 7; f. 1864; literary and publishing society.

Pedagogical Society of the S.R. of Slovenia: Ljubljana, Gosposka Ulica 3.

Sklad Borisa Kidriča (*Boris Kidric Foundation*): Zupančičeva ul. 6/1, Lubljana; f. 1953; awards prizes for the best scientific works written by Slovene authors, and prizes for technological inventions; also grants university scholarships and finances scientific research; Pres. SILVO HRAST, Sec. Ing. BOŽIDAR GUŠTIN.

Society for Natural Sciences: Ljubljana, Novi trg. 4/IV; f. 1934; Sec. SCHAUER PRIMOŽ; publs. *Proteus, Biološki Vestnik.*

Society for Slavic Studies of Slovenia (*Slavistično društvo Slovenije*): Ljubljana; f. 1935; Chair. Dr. BRATKO KREFT; publs. 1938-41, *Slovenski jezik* (The Slovene Language), 1948-, *Slavistična revija* (Slavic Review; annual), 1955-, *Jezik in slovstvo* (Language and Literature; eight times a year).

Association of Engineers and Technicians of the S.R. of Slovenia: Evjavčeva 15, Ljubljana; organises conferences, lectures, exhibitions.

Society of Jurists of the S.R. of Slovenia: Ljubljana, Tavčarjera 9; f. 1947; 1,048 mems.; Sec. Dr. TEODOR TOMINŠEK; publ. *Jurist.*

Students' Society for Scientific Work: Ljubljana.

Umetnostnozgodovinsko društvo sr Slovenijo (*Society of Historians of Art for Slovenia*): Aškerčeva 12/III, Ljubljana; f. 1921; Chair. Dr. NACE SUMI; publs. *Archives d'Histoire de l'Art, Zbornik za umetnostnozgodovino.*

BOSNIA AND HERZEGOVINA

Geographical Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Historical Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Librarians' Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Mathematicians' and Physicists' Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Pedagogical Society of the S.R. of Bosnia and Herzegovina: Sarajevo.

Physicians' Society of the S.R. of Bosnia and Herzegovina: Sarajevo; promotes medical science; assists Government and mass organisations in medical education of the people.

Society of Engineers and Technicians of the S.R. of Bosnia and Herzegovina: Sarajevo.

Society of Jurists of the S.R. of Bosnia and Herzegovina: Sarajevo.

MACEDONIA

Geographical Society of the S.R. of Macedonia: Skoplje, Geographical Institute; f. 1949; 200 mems., Sec. DUŠAN MANAKOVIĆ.

Librarians' Society of Macedonia: Skoplje; f. 1949; the society is responsible for the organisation of popular and scientific libraries in Macedonia.

Mathematicians' and Physicists' Society of the S.R. of Macedonia: Skoplje; f. 1950; Sec. Dr. BLAGOY POPOV; publ. *Bulletin.*

Medical Association of Macedonia: Skoplje.

Pharmacists' Society of the S.R. of Macedonia: Skoplje.

Society of Engineers and Technicians of the S.R. of Macedonia: Skoplje.

Society of Jurists of the S.R. of Macedonia: Skoplje.

MONTENEGRO

Historical Society of the S.R. of Montenegro: Cetinje.

Physicians' Society of the S.R. of Montenegro: Cetinje.

Society of Engineers and Technicians of Montenegro: Titograd; f. 1946; Chair. LEKO RADOVIC.

Society of Jurists of the S.R. of Montenegro: Titograd.

RESEARCH INSTITUTES

FEDERAL

BELJE Agricultural-Industrial Combine: Mece-Darda.

Federal Institute for Livestock Breeding: Belgrade, Zemun Polje; f. 1947.

Federal Institute for the Mechanisation of Agriculture: Zemun.

Federal Station for the Selection of Industrial Crops: Pančevo.

Federal Station for the Selection of Sugar Beet: Aleksinac.

Institute for Plant Protection: Belgrade, T. Drajzera 9, P.O.B. 936; f. 1945; depts. of Entomology, Phytopathology, Weed Control, Phytopharmacy, Fungicides, Biological Control; Dir. Dr. LJUBIŠA VASILJEVIĆ; publ. *Zaštita bilja* (Plant Protection; six issues yearly).

Jugoslovenski Bibliografski Institut (*Yugoslav Bibliographic Institute*): Belgrade, Terazije 20, P.O. Box 26; f. 1949; publishes the Bibliography of Yugoslavia, which includes books, pamphlets, music scores and articles of literary, scientific interest, philology, art and sport; practices the exchange of publications with other countries; Dir. MILUTIN IVANUŠIĆ.

Jugoslovenski Institut za zastitu spomenika kulture (*Yugoslav Institute for the Preservation of Historical Monuments*): Belgrade, Gospodara Vučića 50/1; f. 1950; research into and preservation of cultural possessions (paintings, museum objects, murals, architecture, etc.); Dir. VLADO MADARIC; Head. Architecture Dept. IVAN ZDRAVKOVIĆ; Head, Paintings Dept. (Vacant); Head, Physical and Chemical Laboratory MIHAILO VUNJAK; Dept. of History of Art, Ethnology and Archaeology; Depts. of Law, Documentation, Photographic Laboratory; 30 mems.; library of 10,000 vosl.; publs. *Zbornik zaštite spomenika kulture,* annuals, summaries in French, special reports.

Poljoprivredni Institut (*Agricultural Institute*): Osijek, Vukovarska ćesta 70/a; f. 1922; library of 3,780 vols.; Dir. Doc. Ing. ZVONIMIR MADJARIĆ.

FEDERAL NUCLEAR ENERGY INSTITUTES

Institut za Nuklearne Nauke "Boris Kidric" (*Boris Kidrič Institute of Nuclear Sciences*): Belgrade, Vinča, P.O. Box 522; Dir. Prof. Ing. MILORAD RISTIĆ.

Institut "Rudjer Bošković" (*Rudjer Boškovič Institute*): Bijenička Cesta 54, Zagreb; Dir. Dr. Ing. TOMA BOSANAC.

Nuklearni Institut "Jožef Stefan" (*Jožef Stefan Institute*): Jamova Cesta 39, Ljubljana; Dir. Dr. MILAN OSRED.KAR

SERBIA

Astronomska Opservatorija u Beogradu (*Astronomical Observatory of Belgrade*): Belgrade, Volgina 7; f. 1887, reformed 1932; library of 8,760 vols.; Dir. Dr. Y. OSKANJAN; publ. *Bulletin.*

Botanical Institute and Garden of the University: Belgrade, Takovska 43; Dir. Prof. V. BLEČIĆ; publ. *Bulletin.*

Meteorološka opservatorija Beograd (*Meteorological Observatory*): Belgrade, Bul. Jugoslovenske narodne armije 8; f. 1887; Dir. KATARINA MILOSAVLJEVIĆ; publ. *Observations Météorologiques à Beograd.*

Seismological Institute: Belgrade; f. 1906; Dir. Prof. D. N. TRAJIĆ; Asst. Man. N. M. VUKSINOVIĆ; publs. *Annuaire macroséismique et microséismique, Bulletin mensuel, Studies.*

University Geological Institute: Belgrade University. Kamenička 6; f. 1880; Dir. Prof. KOSTA V. PETKOVIĆ; publ. *Annales géologiques de la péninsule balkanique.*

Zavod za Zdravstvenu Zastitu S.R. Srbije (*Institute of Health Protection of S.R. Serbia*) (formerly Institute of Hygiene): Belgrade, Dr. Subotića 12; f. 1924; library of 40,000 vols.; Dir. Prof. Dr. JOVAN CEKIĆ; publs. *Glasnik* and series of monographs.

CROATIA

Geofizički institut Prirodoslovno-matematičkog fakulteta Sveučilišta u Zagrebu (*Geophysical Institute, Faculty of Sciences, Zagreb University*): Zagreb 1, Grič 3; incorporating the former Geofizički Zavod; f. 1861; Dir. Prof. Dr. B. MAKSIĆ; publs. *Radovi* (Papers, 3rd Series), *Seismological Bulletin, Meteorological Bulletin.*

Hidrometeorološki Zavod Socijalističke Republike Hrvatske *Hydro-Meteorological Institute of the Socialist Republic of Croatia*): Zagreb, Grič 3; f. 1947; Dir. Ing. M. SIKIĆ; publs. *Annual Report of the Meteorological Mountain Observatory Sljeme, near Zagreb, Material for the Climate of Croatia, Memoirs, Annual Report of the Meteorological Observatory Marjan-Split.*

Institut za povijest prirodnih, matematičkih i medicinskih nauka (*Institute for the History of Natural, Mathematical and Medical Sciences*): Demetrova 18, Zagreb III, P.O. Box 20; f. 1959 by the Yugoslav Academy of Sciences and Arts; incorporates Department of the History of Medicine of the Yugoslav Academy, Institute of the History of Pharmacy of the Pharmaceutical Society of Croatia, Institute of the History of Medicine of the University of Zagreb, Cabinet for the History of Veterinary Medicine, Museum of the Society of Physicians of Croatia and the Bošković Museum; independent scientific institution to foster research into the history of science, especially that of southern Slavs; plans to study problems of methodology, to organise at Zagreb higher education for the study of the history of science, to collaborate with analogous institutes at home and abroad; three sections: History of Medicine and Natural Science, History of Pharmacy and Chemistry, History of Mathematical and Physical Sciences (Bošković Museum on Lokrum Island, nr. Dubrovnik (Raguse), attached to latter section); Pres. of Admin. Council Prof. Dr. ŽELJKO MARKOVIĆ; Dir. Prof. Dr. MR. PH. HRVOJE TARTALJA, Scientific Collaborators Prof. Dr. LAVOSLAV GLESINGER, MR.PH. RENATA PEROŠ, Dr. ŽARKO DADIĆ, NEVENKA BOROŠA (assist).

Institute for Folk Arts: Zagreb, Socijalistisčke revolucije 17; f. 1948; there are two sections: Folk Music and Dance, Folk Literature and Customs; Dir. Dr. MAJA BOŠKOVIĆ-STULLI.

Institute for Medical Research: Yugoslav Academy of Sciences and Arts, Zagreb, Moše Pijade 158, P.O. Box 267; f. in 1949, incorporating the Institute of Industrial Hygiene; publ. *Archives of Industrial Hygiene and Toxicology.*

Institute for the Preservation of Historical and Cultural Monuments: Zagreb, Opatička Street 8; f. 1910; library of 4,730 vols.; photo collection of 45,000 pos. and 26,000 negs.; Dir. RADE VLKOV.

Institute for the Preservation of Nature of the Socialist Republic of Croatia: Zagreb, 44 Ilica; f. 1961; library of 1,520 vols.; photo collection of 6,000 positives, 5,500 negatives and 1,000 colour transparencies; Dir. RATKO KEVO, O.F.

Institute for the Preservation and Scientific Study of Historical Monuments in Dalmatia: Split, Zrinjsko-Frankopanska ul. 13; f. 1854; Dir. Dr. CVITO FISKOVIĆ; Sec. EDGAR GROSS; publ. *Prilozi povijesti umjetnosti u Dalmaciji.*

Institut za Oceanografiju i Ribarstvo (*Institute of Oceanography and Fisheries*): Split; f. 1930; carries out research in oceanography, hydrography, geology, marine biology, marine fisheries, ichthyology, and fishery technology; has 11 laboratories and a staff of 16 naturalists; Dir. MILJENKO BULJAN; publs. *Acta Adriatica, Fauna et Flora Adriatica, Izvješća Reports, Notes.*

Restauratorski Zavod (*Conservation Department of the Institute of Fine Arts, Yugoslav Academy of Sciences and Arts*): Zagreb, Braće Kavurića 1; f. 1948; under the control of the Section for Fine Arts of the Yugoslav Academy of Sciences and Arts; Chief Restorer LELA ČERMAK.

Zavod za Arhitekturu i Urbanizam (*Institute of Architecture and Urbanism*): Zagreb, Braće Kavurića 1; f. 1952; under the control of the Section for Fine Arts of the Yugoslav Academy of Sciences and Arts; Dir. Acad. Prof. ANDRE MOHOROVIČIĆ.

Zavod za likovne umjetnosti Jugoslavenske Akademije znanosti i umjetnosti (*Institute for Fine Arts of the Yugoslav Academy of Sciences and Arts*): Zagreb, Braće Kavurića 1; re-established 1960; Dir. Prof. ZELJKO GRUM.

SLOVENIA

Meteorological Institute: Faculty of Sciences and Technology, Ljubljana; Dir. Dr. ZDRAVKO PETKOVŠEK.

Zavod za spomeniško varstvo S.R. Slovenije (*Institute for the Preservation of Historical and Natural Monuments in the S.R. of Slovenia*): Ljubljana, Prežihova 1; f. 1913, reorganised 1919, refounded 1945; to preserve and study historical and archæological monuments, and local sites of historical, artistic, ethnological and sociological interest; ground maps, geographical maps, and a complete register of historical monuments in Slovenia; Pres. ČERNIGOJ MICA; publs. *Varstvo spomenikov* (Preservation of Monuments), *Varstvo narave* (Preservation of Nature).

BOSNIA AND HERZEGOVINA

Institute for Modern Serbo-Croatian: Sarajevo.

Institute of Meteorology: Hadži Loje 4, Sarajevo; f. 1891; Dir. M. V. VEMIĆ.

Institute for the Preservation of Historical Monuments: Sarajevo, Vojvode Putnika 7; f. 1947; Dir. SEFIK BEŠLAGIĆ; publ. *Our Antiquities* (annual).

MACEDONIA

Economic Institute: Skoplje; f. 1947; Dir. VANČO BURZEVSKI.

Institute for the Natural History of the S.R. of Macedonia: Skoplje.

MONTENEGRO

Istoriski Institut S.R. Crne Gore (*Historical Institute*): Cetinje.

LIBRARIES

Serbia

Narodna biblioteka Socijalističke Republike Srbije (*National Library—the Central Library for the Socialist Republic of Serbia*): Knez Mihailova 56, Belgrade; f. 1832; destroyed in 1941, restored after 1944; over 500,000 vols., 571 MSS.; Federal copyright and deposit library; Head Milorad Panić-Surep.

Univerzitetska biblioteka "Svetozar Markovič" (*University Library "Svetozar Marković"*): Bulevar Revolucije 71, Belgrade; its forerunner was the library of the Serbian Lyceum (1844), then the highest educational institution in Serbia; from 1944 the library was entitled to receive deposit copies from Serbia; about 500,000 vols., 15 incunabula, 71 Serbian manuscripts XIII-XVIII, over 300 Oriental codices, 4,040 other MSS.; Head Prof. Ivo Frol.

Biblioteka Srpske akademije nauka i umetnosti (*Library of the Serbian Academy of Science and Art*): Knez Mihailova 35, Belgrade; f. 1842 by the Serbian Literary Society; more than 350,000 vols.; Head Djuza Radovi..

Biblioteka grada Beograda (*Belgrade Town Library*): Zmaj Jovina 1, Belgrade; f. 1929; 80,000 vols., 399 MSS.; Head Olga Perić.

Biblioteka Matice srpske (*Library of the Matica srpska*): ul. Matice srpske 1, Novi Sad; f. 1847 in Budapest and transferred to Novi Sad in 1864; about 370,000 vols.

Narodna biblioteka "Žika Popovič" (*Public Library "Zika Popović"*): Sabac; f. 1847; over 60,000 vols.

Narodna biblioteka (*Public Library*): Požarevac; f. 1847; above 30,000 vols.

Narodna biblioteka (*Public Library*): Niš; f. 1903; about 90,000 vols.

Narodna biblioteka (*Public Library*): Kragujevac; f. 1866; about 50,000 vols.

Croatia

Nacionalna sveučilisna biblioteka (*National University Library*): Marulićev trg 21, Zagreb; its beginnings reach back as far as the first years of the 17th century; about 680,000 vols., 183 incunabula, about 4,900 rare Yugoslav books; Federal copyright and deposit library; Head Matko Rojnić.

Knjižnica Jugoslavenske akademije znanosti i umjetnosti (*Library of the Yugoslav Academy of Science and Art*): Zrinski trg. 11, Zagreb; f. 1868; about 120,000 vols.; Dir. Tomislav Jakić.

Gradska knjižnica (*Town Library*): Rooseveltov trg 4, Zagreb; f. 1907; over 106,000 vols.

Radnička biblioteka (*Workers' Library*): Lenjinov trg 2, Zagreb; f. 1926; over 61,000 vols.

Naučna biblioteka (*Research Library*): Dolac 1, Rijeka; f. 1627; about 160,000 vols., 21 incunabula.

Naučna biblioteka (*Research Library*): 1. novembra 1944, br. 3, Zadar; f. 1850; about 200,000 vols.

Naučna biblioteka (*Research Library*): Tr Oslobodenja 1, Pula; f. 1930; about 180,000 vols.

Gradska biblioteka (*Town Library*): Zagrebaška 2, Split; f. 1903; 73,000 vols.

Naučna biblioteka (*Research Library*): Knežev dvor, Dubrovnik; f. 1936; about 92,000 vols., 76 incunabula, 913 MSS.

Gradska knjižnica i čitaonica "Sloboda" (*Town Library and Reading Club "Sloboda"*): Varazdin; f. 1919; 39,000 vols.

U.S. Library: Zrinjevac 13, Zagreb.

Slovenia

Narodna in univerzitetna knjižnica (*National and University Library*): Turjaška 1, Ljubljana; f. 1774; over 700,000 vols.; Federal copyright and deposit library; Dir. Jaro Dolar.

Biblioteka Slovenske akademije znanosti in umetnosti (*Library of the Slovene Academy of Sciences and Arts*): Novi trg 3, Ljubljana; over 120,000 vols.; Librarian Primož Ramovš.

Muzejska knjižnica (*Museum Library*): Prešernova 20, Ljubljana; f. 1821; over 125,000 vols.

Slovanska knjižnica (*Slavic Library*): Gosposka 15/I, Ljubljana; f. 1901; over 60,000 vols.

Mestna ljudska knjižnica (*Town Public Library*): Gospodska 1, Ljubljana; f. 1911; over 75,000 vols.

Delavska knjižnica (*Workers' Library*): Prešernova 30, Ljubljana; f. 1926; over 73,000 vols.

Študijska knjižnica (*Research Library*): Prešernova 1, Maribor; f. 1903; 4,062 mems.; over 135,000 vols.; Chief Librarian Bruno Hartman.

Bosnia and Herzegovina

Narodna biblioteka NR Bosne i Hercegovine (*Nationa Library of the P.R. of Bosnia and Herzegovina*): Obala 41, Sarajevo; f. 1945; 400,000 vols.; Federal copyright and deposit library; Head Mitar Papić.

Biblioteka Zemaljskog muzeja (*National Museum Library*): V. Putnika 7, Sarajevo; f. 1888; about 80,000 vols.

Gazi Husrevbegova biblioteka (*Gazi Husrevbeg Library*): Pariske komune 3, Sarajevo; f. 1537; the most important oriental library in Bosnia and Herzegovina; about 12,000 vols., 4,450 Islamic MSS., 3,189 documents.

Macedonia

Narodna i univerzitetska biblioteka na SR Makedonija (*National and University Library of the S.R. of Macedonia*): Ul. Industriska 5, Skoplje; f. 1944; 470,000 vols.; Federal copyright and deposit library; Head Mitke Zafirovski.

Biblioteka "Braka Miladinovci" (*District of Skoplje Public Library*): Oklomvriska 20, Skoplje; f. 1935; about 50,000 vols.

Gradska biblioteka (*Town Library*): Maršala Tito 89, Bitola; f. 1945; 27,000 vols.

Montenegro

Centralna narodna biblioteka NR Crne Gore (*Central National Library of the P.R. of Montenegro*): Njegoševa 100, Cetinje; f. 1946; about 170,000 vols.; Federal copyright and deposit library; Head Dr. Niko Martinović.

Biblioteka Državnog muzeja NR Crne Gore (*Library of the National Museum of the P.R. of Montenegro*): Titov trg 7, Cetinje; f. 1926; over 20,000 vols.

Biblioteka Istorijskog instituta NR Crne Gore (*Library of the Historical Institute of the P.R. of Montenegro*): Naselje Kruševac, Titograd; f. 1948, over 38,000 vols.

MUSEUMS AND ART GALLERIES

Belgrade

Belgrade City Art Gallery: Zmaj Jovina Street 1, P.O. Box 87; f. 1940.

Etnografski muzej (*Ethnographical Museum*); Studentski trg. 13; f. 1901, reorganised 1960; departments: Costumes and Textiles, Economy, Social Life, Houses and other buildings, Customs, Documentation, Conservation; Dir. SPIRO KULIŠIĆ, PH.D.; publ. *Glasnik* (annually).

Gradski Muzej (*City Museum*): Zmaj Jovina Street 1, P.O. Box 87; f. 1938; Dir. SIMIC ZORICA.

Military Museum of the Yugoslav People's Army: Belgrade-Kalemegdan, Post Box 69; f. 1878, refounded 1934, and again 1945-47; new exhibition was opened in 1961. There are six sections: (1) The military history of the Yugoslav peoples up till 1918; (2) The struggle for national liberation of 1941-45; (3) The evolution of weapons from the earliest times; (4) Conservation; (5) Pedagogical; (6) Photo archives; Dir. ČEJAN IDRIS; publs. *Vesnik* (annually), first spec. edit. *Dnevnik iz Hercegovačkog Ustanka 1875* (The Diary of the Uprising in Hercegovina), *Dubrovacka artiljerija* (The Dubrovnik Artillery).

Museum of Theatre Art: Jevremova 19; f. 1950; Dir. MILENA NIKOLIĆ.

Muzej Nikole Tesle (*Nikola Tesla Museum*): Proleterskih brigada 51; f. 1952; Dir. KORAĆ VELJKO.

Muzej primenjene umetnosti (*Museum of Applied Arts*): Vuka Karadžića 18; Dir. NADA ANDREJEVIĆ-KUN.

Narodni muzej (*Museum of Art and Archæology*): f. 1884; archæological and historical collections, and an art gallery; library of 27,000 vols.; Dir. Dr. LAZAR TRIFUNOVIĆ; Sec. M. STEVANOVIĆ; Librarian D. MARINKOVIĆ.

Prirodnjački muzej u Beogradu (*Belgrade Natural Science Museum*): Njegoševa 51; f. 1901; botanical, geological, mineralogical and zoological collections; library of 50,000 vols.; Dir. BRANISLAV GOJKOVIĆ; publ. *Glasnik Prirodnjačkog muzeja u Beogradu* (Report).

Railroad Museum of F.S.R. of Yugoslavia: 6 Nemanjina ulica, Belgrade; f. 1950; there are five depts.; library of 15,000 vols.; archives section being formed; Dir. D. S. JANKOVIĆ; publ. *Through History of Yugoslavian Railways in Pictures.*

Banja Luka

Muzej Bosanske Krajine (*Museum of Basanska Krajina Region*): Regional museum for north-west Bosnia; f. 1930; Departments of Archæology, History, Ethnography, National Revolution; Dir. BRANKO ŠURUČIĆ.

Brežice

Posavski muzej (*Provincial Museum*): f. 1940; collection of archæological exhibits from Neolithic times to the early Middle Ages; also ethnographical collection; historical section: Slovene-Croat peasants' revolt 1573 and Slovene national struggle for liberation 1941-45; Baroque painting and frescoes; Dir. STANKO SKALER.

Celje

Mestni muzej (*City Museum*): Muzejski trg 1; archæological, art historical, cultural, ethnographical and historical museums.

Cetinje

Državni muzej (*State Museum*): Titov trg.; depts. of history, ethnography, archæology, arts; Dir. RISTO DRAGICEVIC.

Njegošev muzej (*Njegoš's Museum*): Dir. JANKO LEPIČIĆ.

Dubrovnik

Maritime Museum: St. John's Fortress; f. 1872; since 1949 under the administration of the Academy; collecting and exhibiting items illustrating Dubrovnik's maritime past; library of 6,900 vols.; Dir. JOSIP LUETIĆ; publ. *Materials Concerning the Maritime History of Dubrovnik.*

Museum of the Serbian Orthodox Church: Od Puća 2; f. 1953; collection of portraits, and over 170 icons from Serbia, Crete, Corfu, Venice, Russia, Greece, Dubrovnik, Boka-Kotorska; the palace which houses the collection is also of historical interest and there is a library of 25,000 vols.

Kotor

Pomorski muzej (*Maritime Museum*): Kotor; dept. of ethnography and history; Dir. IGNJO ZLOKOVIĆ.

Ljubljana

Državni arhiv L.R. Slovenije (*Central State Archives*): Levstikov trg. 3; f. 1945; collection of important archives, especially those connected with the territory populated by Slovenes from the 13th century onwards; MSS.

Mestni muzej (*Municipal Museum*): Gosposka 15; f. 1935; cultural history museum of Ljubljana; collections include furniture from the Gothic period to the Biedermeierzeit, arts and crafts, topography, and war history; archæological dept. containing articles from lake dwellings of the Celtic-Illyrian period, and from the period of Roman domination (Emona); Dir. (vacant); publs. *Guide through Emona* (in Slovene, with detailed summary in French), *Guide through the Municipal Museum of Ljubljana* (in Slovene).

Moderna galerija (*Modern Art Gallery*): Cankarjeva 15; Office: Tomšičeva 14; f. 1947; permanent collection of contemporary Slovene (Yugoslav) art from the Impressionists to the present day; organises regular art exhibitions; photography department; art library of 7,100 vols.; Dir. Prof. ZORAN KRŽIŠNIK; publs. *Monographs, Catalogues.*

Muzej narodne osvoboditve LRS (*National Liberation Museum*): Celovška c. 23; f. 1944 to collect all important archives, museum objects and library material from the War of Liberation, 1941-45; a permanent exhibition opened in 1955, depicting the struggle of the Slovene people for liberation; Dir. FRANC KRESE.

Narodna galerija (*National Art Galery*): Ljublana Prežihova 1; f. 1918, reorganised 1933, nationalised 1946; collections of paintings, sculptural and graphic arts from the 13th century to the Impressionists; collection of Gothic sculptural arts, middle-age frescoes and imitations of Gothic frescoes from Slovenia; collection of foreign Renaissance and Baroque paintings and sculptures; collection of photographs, negatives and prints; photo-documentation of works of art from Slovenia; library of 3,000 vols.; Dir. ANICA CEVC; publs. manuals, catalogues.

Narodni muzej (*National Museum*): P.O. Box 529-X; f. 1821; Departments of archæology and prehistory; history of applied arts; coins and medals; graphic arts; library of 120,000 vols.; branches: Museum of Bled (Medieval Castle and church); Dir. Dr. JOŽE KASTELIC; publs. *Situla, Catalogi Archaeologici Sloveniae, Argo.*

Prirodoslovni muzej (*Natural History Museum*): Prešernova 20; first founded 1831, became separate institution 1944; studies and gives its protection to natural phenomena; exhibits are displayed according to an

ecological classification; the exhibition is composed of 115 dioramas with mixed zoological, botanical, paleontological samples; library of 4,784 vols.; Dir. Dr. ANTON POLENEC; publs. *Guide, Narava v muzeju* (Nature in the Museum).

Slovenski Etnografski muzej (*Ethnographical Museum*): Prešernova cesta 20; f. 1923, reorganised 1963; Slovene and non-European ethnographic collection; Dir. Prof. BORIS KUHAR; publ. *Slovenski etnograf* (annual).

Slovenski šolski muzej (*Slovenian School Museum*): Poljanska 28; f. 1938 to collect school documents and pedagogic books from the 12th century onwards; collection of records of cultural workers killed during the 1941-45 war; over 11,729 exhibits; library of 29,582 vols.; permanent exhibitions of development of schools in Slovenia; Dir. FRANCE OSTANEK; publ. *Zbornik za historiju skolstva i prosvete*.

Zemljepisni muzej Slovenije (*Geographical Museum of Slovenia*): Trg. francoske revolucije 7; f. 1946; maps of Slovenia, geographical collections, and exhibitions; library to be founded; Dir. Dr. VLADIMIR KLEMENČIČ.

Maribor

Pokrajinski muzej (*Country Museum*): f. 1920 from collections of the Maribor Museum, the historical societies, and the Episcopal Museum; archæological, ethnographical, historical, topographical, and art exhibits; Dir. BOGO TEPLI.

Novi Sad

Art Gallery of Matica Srpska: f. 1847; collection of Serbian art from 18th century; Dir. MILIVOJ NIKOLAJEVIĆ.

Vojvodjanski muzej: f. 1947; sections: archæology, ethnology, history; Dir. RAJKO NIKOLIĆ; publ. *Rad vojvodjanskih muzeja*.

Ptuj

Mesni muzej (*City Museum*): f. 1945 from collections at the historic Ptuj castle, and the Ptuj Museum Society (f. 1893); prehistoric, Roman, Old Slavonic and Feudal periods; ecclesiastical art, folklore, three temples of Mithras; Dir. FRANJO GUMILAR. Also includes:

Wine Museum: f. 1946.

Museum of the Struggle for National Independence.

Rijeka

Prirodoslovni mujej (*Natural Science Museum*): Setalište Vladimira Nazora 3; Dir. Prof. GUDAC ZDRAVKO.

Sarajevo

Zemaljski Muzej Narodne Republike Bosne i Hercegovine (*Bosnian and Herzogovinian Country Museum*): f. 1888; prehistoric, Roman, Greek and Medieval periods, ethnological, botanical, zoological, geological sections; botanical garden; library of 70,000 vols.; Dir. ALOJZ BENAC; publs. *Glasnik Zemaljskog muzeja* (annual), *Novitates Musei Sarajevoensis* (occasional), *Srednjovjelovni nadgrobni spomenici Bosne i Hercegovina* (occasional), *Posebna izdanja* (occasional), *Katalog prehistorijske zbirke* (occasional).

Škofja-Loka

Muzej: Puštal Castle; f. 1937 by the museum club of Škofja Loka; special collection of exhibits relating to the Freising dominion (973-1803); ethnographic, topographic, natural history and historical exhibits; records of altars from 17th century, exhibits of medieval guilds; relics of the struggle for national liberation; art gallery; open air musuem; Pres. Dr. ANDREJ PAVLOVEC.

Skoplje

Art Gallery: f. 1948; Yugoslav medieval and modern art; Dir. NIKOLA MARTINOSKI.

Etnoloski muzej (*Ethnological Museum*): Plostad Marsala Tito 18 III; f. 1949; Dir. VÉRA KLIČKOVA.

Prirodo-naučen muzej (*Natural History Museum*): P.O. Box 341; f. 1926; Dir. GRUPČE K. RISTO; publs. *Acta musei macedonici, Scientiarum naturalium et Fragmenta balcanica*.

Split

Arheološki muzej (*Archæological Museum*): Zrinjsko-Frankopanska 13; f. 1820; prehistoric collections, relics from the Greek colonies on the east shore of the Adriatic Sea, Roman and Christian relics from Salonae and Dalmatia; Croatian medieval monuments from 9th to 13th century; library of 17,000 vols.; Dir. Dr. BRANIMIR GABRIČEVIĆ; publ. *Vjesnik za archeologiju i historiju dalmatinsku* (*Bulletin d'archéologie et d'histoire dalmate*).

Etnografski muzej (*Ethnographical Museum*): Narod trg. 1; f. 1910; national costumes, jewels, weapons, and technological objects from Dalmatia; illustrations section and text-book library; Dir. ILDA VIDOVIC; Asst. Dirs. JELENA GAMULIN, ŽARKA KOLIN-MLADINEO.

Galerija Meštrović (*Meštrović Gallery*): Moše Pijade 44; f. 1952; Dir. Prof. JOSIP SMRKINIĆ.

Galerija umjetnina (*Art Gallery*): Lovretska 13; f. 1931; 2,000 paintings and sculptures; library of 5,000 vols.; Dir. Dr. KRUNO PRIJATELJ; Curator Prof. MARIJA TRIPKOVIĆ; publications of the Gallery (19 vols.).

Muzej Grada Splita (*City Museum of Split*): Žarkova ul. 5; f. 1946; political and cultural history of Split; library of 8,000 vols.; Dir. Prof. DUŠKO KEČKEMET; publ. *Editions*.

Pomorski Muzej Jugoslavenske akademije znanosti i umjetnosti (*Maritime Museum of Yugoslav Academy of Sciences and Arts*): Trg Braće Radića 7, P.O.B. 100; f. 1925; Dir. Dr. Capt. OLIVER FIJO; Librarian MARICA RISMONDO; library of 6,000 vols.; the museum's exhibitions record the maritime activity of the region of Middle and North Dalmatia from the prehistoric period to the present day.

Prirodoslovni muzej (*Museum of Natural Sciences*): f. 1924; three exhibition rooms: (i) exhibits illustrating the animal life of Dalmatia; (ii) palæontological material and metals relating to Dalmatia; (iii) exhibits showing the fauna of the Adriatic Sea; also collections of gastropods and coleoptera from Dalmatia; library of 2,500 vols.; Dir. Prof. CVITANIĆ ANTUN.

Subotica

Gradski muzej: f. 1892; sections: archæology, local history, art and ethnology (Slav and Hungarian), coins; library of 5,000 vols.; Dir. LÁSZLÓ SZEKERES.

Zagreb

Arheološki muzej (*Archæological Museum*): Zrinjski trg. 19; f. 1953; Dir. MARCEL GORENC.

Arhiv Socijalističke republike Hrvatske (*Archives of the Socialist Republic of Croatia*): Zagreb, Maruličev trg 21, P.O. Box 60; f. 1643; documents dating from 10th century, concerning mainly the history of Northern Croatia and Slavonia; Dir. BERNARD STULLI; publs. *Arhiviski vjesnik* (The Archive Courier), *Zaključci Hrvatskog sabora* (*Prothocolla Generalium Congregationum Statuum et Ordinum Dalmatiae, Croatiae et Sclavoniae*), etc.

Croatian Schools' Museum (*Hrvatski školski muzej*): Trg Maršala Tita 4; f. 1901; Dir. Prof. Dr. A. BAUER; publ. *Archiv*.

Etnografski muzej (*Ethnographical Museum*): Mažuranićev trg. 14; f. 1920; Dir. Prof. MARIJANA GUŠIĆ.

Galerije Grada Zagreba: Katarinski trg 2; f. 1954; Dir. Božo BEK; controls:

Galerija Suvremene Umjetnosti (*Gallery of Contemporary Arts*): Katarinski trg 2.

Galerija "Benko Horvat": Jezuitski trg 1.

Atelier Ivan Meštrović: Mletacka 8.

Galerija Primitivne Umjetnosti (*Gallery of Native Arts*): Cirilometodska 3.

Geološko-paleontološki muzej (*Geological and Palæontological Musuem*): Demetrova 1; f. 1846; library of 3,576 vols.; Curators Prof. IVAN CRNOLATAC, Prof. MELITA PAVLOVSKY, Prof. KREŠIMIR SAKAČ.

Glyptothèque: Medvedgradska 2; f. 1937; collection of medieval frescos and plaster casts of ancient, recent and modern sculptures; under the control of the Institute of Fine Arts; Dir. MONTANI MIROSLAV.

Kabinet Grafika (*Print Room*): Braće Kavurića 1; f. 1951; 6,734 prints and drawings; under the control of the Section for Fine Arts of the Yugoslav Academy of Sciences and Arts; Dir. Prof. RENATA GOTTHARDI-SKILJAK.

Mineraloško-petrografski muzej (*Museum of Mineralogy and Petrography*): Demetrova ul. 1; f. 1846; Dir. Prof. Dr. LJUDEVIT BARIĆ; Curator VJEKOSLAV BRAJDIĆ.

Moderna Galerija (*Gallery of Modern Arts*): Braće Kavurića 1; f. 1909; under the direction of the Fine Arts Section of the Yugoslav Academy of Sciences and Arts; Dir. Prof. ZELJKO GRUM.

Muzej grada Zagreba (*City Museum of Zagreb*): Opatička 20; f. 1907; arranged so as to depict Zagreb from prehistoric times to 1835; library of 4 500 vols.; Librarian MILICA STILINOVIC; Dir. Dr. FRANJO BUNTAK.

Muzej Narodne Revolucije (*The Peoples' Revolution Museum*): Zagreb, Trg Žrtava Fašizma; f. 1945; library of 4,500 vols.; Dir. MANE TRBOJEVIĆ.

Muzej Srba u Hrvatskoj (*Museum of the Serbs of Croatia*): Marinkovićeva 4; f. 1946; library of 30,000 vols.; Dir. FEDOR MOAČANIN; Curators VERA BORČIĆ, MARIJA SERCER; Librarian DIVNA ZEĆEVIĆ.

Muzej za umjetnost i obrt (*Museum of Applied Arts*): trg Maršala Tita 10; f. 1880; 26 mems.; art library of 10,148 vols.; Dir. Prof. ZDENKA MUNK; publs. *Ikalčićev Zbornik* (Miscellaneous Works, relating to archæology, ethnology, history of art), *Muzej za umjetnost i obrt Monografija* (Museum monograph), Catalogues of temporary exhibitions.

Povijesni muzej Hrvatske Jugoslavenske akademija znanosti i umjetnosti (*Yugoslav Academy of Sciences and Arts, Historical Museum of Croatia*): Matoševa 9; f. 1846; Acting Dir. Prof. Dr. FERDO CULINOVIC.

Strossmayerova galerija starih majstora (*Strossmayer's Gallery of Old Masters*): Zrinski Trg 11/II; f. 1884; 13th to 19th centuries; Dir. Prof. VINKO ZLAMALIK; under the control of the Yugoslav Academy of Sciences and Fine Arts.

Tehnički muzej (*Technical Museum*): Savska c.18; f. 1954; Dir. PREDRAG GRDENIĆ.

Zoološki muzej (*Zoological Museum*): Demetrova 1/11; f. 1846; library of 13,820 vols.; Dir. Dr. STJEPAN CANADJIJA; publ. *Biološki Glasnik* (Biology Journal).

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Number of students: 38,725.

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Višnjić-Frajnd, M., Pathological Anatomy
Zujović, D., Radiology
Zujović, J., Pædiatrics

Faculty of Mining and Geology:
Almažan, V., General Chemistry
Andjelković, M., Historical Geology
Antunović-Kobliška, M., Mining Operations
Bahalović, I., Physical Chemistry
Baziljević, V., Technical Mechanics and Strength of Materials
Damjanović, D., Civil Engineering in Mining
Dimitrijević, M., Geology
Filipović, F., Mine Designing
Glušćević, B., Prospecting and Elements of Geophysics
Ilió, M., Petrography
Janković, S., Prospecting
Jović, P., Electricity in Mining
Karamata, S., General Photography
Lešić, D., Preparation of Mineral Raw Materials
Luković, S., Mineralogy
Maksimović, Z., Geochemistry
Milanović, B., Mine Surveying
Milojevió, N., Hydrogeology
Milovanović, B., General Geology, Palæontology
Milutinović, V., Elements of Social Sciences
Najdanović, N., Soil Mechanics
Pantić, N., Paleobotany
Pavlović, V., Transportation and Mining Extraction
Petković, Kosta, Geology
Prosen, D., Geophysics, Methods of Geophysical Prospecting
Protić, M., Petrography
Stepanović, B., Historical Geology
Stevanović, P., Historical Geology
Tomić, M., Mathematics
Trampuž, I., Safety in Mines

Faculty of Mining and Metallurgy—Bor:
Bajić, M., Opencast Mining Methods
Mijić, M., Mine Development
Odadžić, S., Mechanics

Faculty of Pharmacy:
Bandić, I., Mathematics
Berkeš, I., Biochemistry
Blagojević, Z., Pharmaceutical Chemistry
Ćorović, M., Botany
Damanski, A., Bromatology and Organic Chemistry
Danilović, M., Galenic Pharmacy
Filipović, Z., Inorganic Chemistry
Hojman, J., Analytical Chemistry
Janković, B., Microbiology
Mladenović, M., Pharmaceutical Chemistry
Sljivić, S., Physics
Stjepanović, L., Botany
Tucakov, J., Pharmacognosy

Faculty of Philology:
Aleksić, R., History of Serbo-Croat and Dialectology
Banašević, N., French Language and Literature
Bošković, R, Comparative Grammar of Slavonic Languages and Old Slavonic
Dimitrijevic, R., Methodology of Literature Teaching
Djordjević, M., Modern German Literature
Djurić, V., World Literature
Drašković, V., French Language
Flora, R., Rumanian Languages Literature
Gligorić, V., Modern Yugoslav Literature
Ilić, M., Fundamentals of Social Science
Lalić, R., Russian Literature
Konstantinović, Z., German Languages Literature
Latković, V., Popular Literature
Marković, V., English Language and Literature
Mojašević, M., German Literature
Nedić, V., Yugoslav Literature, Folk Literature
Pantić, M., History of Yugoslav Literature from the Renaissance to the Age of Enlightenment
Pavlović, D., History of Old Yugoslav Literature
Popović, M., Yugoslav Literature
Pudić, I., Comparative Grammar of Germanic Languages and Gothic Language
Sekvi, E., Italian Literature
Stevanović, M., Serbo-Croat-Syntax
Suboti, S., Polish Languages Literature
Vučenov, D., Modern Yugoslav Literature
Zivanović, D., Polish Language and Literature

Faculty of Philosophy:
Barišić, F., Byzantology
Bozić, I., General History of the Middle Ages
Čubrilović, V., National History
Garašanin, M., Classical Archæology
Gavela, B., Archæology
Glumac, D., Hebrew Language
Korać, Veljko, History of Philosophy
Kostić, C., Rural Sociology
Kovačević, J., Medieval Archæology
Lutovac, M., Anthropogeography

Marković, M., Logic
Milić, V., Methodology of Sociological Research
Novaković, R., Historical Geography
Ostrogorski, G., Byzantology
Papazoglu, F., Ancient History
Pavićević, V., Ethics
Prodanović, T., Didactics and Methodics
Radojčić, S., History of Art
Rot, N., Sociological Psychology
Sešić, B., Logic
Tadić, J., Modern History

Faculty of Philosophy—Pristina:
Ajeti, I., History of the Albanian Language and its Dialectology
Barjaktarević, D., History of Serbo-Croat Language and its Dialectology

Faculty of Sciences:
Aljančić, S., Theory of Real Functions
Andjelić, T., Rational Mechanics
Andjus, R., Physiology
Blečić, V., Taxonomy of Cormophyta
Brkić, Z., Positional Astronomy
Čadež, M., Dynamic Meteorology
Dajović, V., Theory of Functions of a Complex Variable
Djurić, V., Economic Geography
Dukić, D., Hydrology
Janković, M., Plant Ecology and Plant Geography
Kanazir, D., Biochemistry
Marinović, R., Taxonomy of Thallophyta, Plant Anatomy
Marković, D., Algebra
Mićović, V., Organic Chemistry
Mihailović, M., Organic Chemistry
Milojević, A., Physics
Mušiscki, D., Theoretical Physics
Orlov, K., Numerical Mathematical Analysis
Radoman, P., Organic Evolution
Radovanović, M., Comparative Anatomy and Systematic of Vertebrates: Zoogeography
Rašajski, B., Differential Equations
Ristić, S., Spectrochemistry
Savić, P., Physical Chemistry, Nuclear Chemistry
Stefanović, D., Biochemistry
Stevanović, P., Historical Geology
Sušić, M., Electrochemistry
Vasović, M., Regional Geography

Faculty of Stomatology:
Berger, B., Diseases of the Teeth
Bikar, I., Orthopædica of the Jaws
Branovački, D., Dental Prosthetics
Djoković, L., Oral surgery
Djordjević, R., Oral surgery
Graovac, Z., Children's and Preventive Stomatology
Nešković, P., Microbiology
Poznić, M., Oral surgery
Vukovojac, P., Dental Prosthetics

Faculty of Technology:
Arsenijević, M., Mechanical Technology
Bastić, B., Organic Chemistry
Bozić, B., Iron, Steel and Physical Metallurgy
Delić, D., Inorganic Chemical Technology
Despic, A., Physical Chemistry
Dimitrijević, D., Organic Chemistry
Djordjević, S., Physical Chemistry Electrometallurgy
Gaković, N., Iron and Steel Metallurgy
Golubovic, V., Analytical Chemistry
Ivković, V., Analytical Chemistry
Jovanović, M., Metallurgical Furnaces
Kendereski, S., Industrial Microbiology
Končar-Djordjevic, S., Unit Operations
Krotin, E., Automation and Metallurgy
Kukoleča, S., Economics and Industrial Management
Maksimović, D., Textile Industry Technology
Misović, J., Instrumental analysis
Mladenovic, S., Electrochemical Technology
Pajević, M., Metal Casting
Pešić, M., Plastic Deformation of Metals
Radostavljević, S., Inorganical Chemistry
Rašajski, S., Organic Chemical Technology
Spasić, M., Non-Ferrous Metallurgy
Stanković, S., Paper Technology
Stojanović, O., Organic Chemistry, Biochemistry
Šušić, S., Technology of Carbohydrates

Faculty of Transport:
Arsenijević, M., Basis of Electrical Engineering
Čolić, S., Road Transportation, Traffic Engineering
Djoliä, L., Traffic Engineering
Jakovljević, M., Comparative Economics of Transport
Jović, S., Exploitation of Shipping and Ports; Organisation and Planning of Water Transport and Port Management; Basis of Water Traffic
Macura, D., Highway Technology
Naerlović, Natalija, Strength of Materials; Mechanics
Oka, N., Motor Vehicles, Garages and Services
Smiljanic, D., Geometry
Stojanović, H., Urban Planning and Transportation
Suvajdzić, S., Plant for Transfer of Load and Internal Transport
Zivković, D., Technical Exploitation of Railway Resources

Faculty of Veterinary Medicine:
Bratanović, U., Internal Diseases of Ruminants, Pigs and Poultry
Dimić, J., Surgery and Ophthalmology
Djuričić, I., Physiology
Drača, P., Obstetrics of Domestic Animals
Ercegovać, D., Infectious Diseases of Domestic Animals
Gligorijević, J., Physical Therapy
Jakšić, B., Pathological Anatomy
Janković Z., Anatomy of Domestic Animals
Jovanović, M., Physiology
Katić, R., Veterinary Hygiene
Kozić, L., Internal Diseases of Ungulates and Carnivora
Lapčević, E., Internal Diseases of Ungulates and Carnivora
Marković, B., Obstetrics of Domestic Animals
Milosavljević, S., Cattle Breeding
Nikolić, B., Physiology
Pantić, V., Histology and Embryology
Pavlović S., Cattle Breeding
Petrović, Z., Parasitology
Pribićević, S., Nutrition of Domestic Animals
Puhač, I., Veterinary Hygiene
Radojčević, M., Microbiology, Serology, Immunology
Savić, I., Hygiene and Technology of Meat
Ševković, Nemanja, Nutrition of Domestic Animals
Simić, C., Parasitology
Simić, V., Anatomy of Domestic Animals
Sofrenović, D., Pathological Morphology of Domestic Animals
Stamatović, S., Internal Diseases of Ruminants, Pigs and Poultry
Stanić, M., Surgery and Ophthalmology
Šipka, M., Hygiene and Technology of Milk Production
Tešić, D., Pharmacology
Trbić, B., Microbiology, Serology, Immunology
Turubatović, R., Infectious Disesaes of Domestic Animals
Vlatković, B., Histology and Embryology

Higher School of Physical Education—Belgrade:
Aleksić, I., Hygiene
Bosković, M., Anatomy
Janković, R., Fighting Exercises, Boxing and Wrestling
Jovanović, Z., Physical Exercise Apparatus
Kavčić, J., Forming Exercises
Kortuović, Branka, Dance and Physical Training Compositions
Koturović, Ljubiša, Kinetic Therapy
Kurelić, N., Track and Field Athletics
Leskošek, J., Theory of Physical Educations and General Pedagogy
Nišavić, M., Games and Sports
Opavski, P., Biomechanics
Petrović, J., Apparatus Exercises, Male gymnastics
Petrović, Angelina, Apparatus Exercises, Female Gymnastics
Radovanović, S., General Physical Preparations
Radović, Z., Psychology
Šepa, Milica, Pedagogical Practice
Stojanović, M., Biology and Health Control
Stevanović, V., Swimming
Todorović, B., Physiology

UNIVERZA V LJUBLJANI
(University of Ljubljana)

LJUBLJANA

Telephone: 21-127.

Founded 1595, reconstituted 1869-10, reopened 1919, reorganised 1954.

Rector: Prof. A. Struna.
Secretary: E. Grgić.

Number of professors: 218.
Number of students: 8,195.

DEANS:

Faculty of Philosophy: Prof. S. Gogala.
Faculty of Law: Prof. P. Kobe.
Faculty of Economics: Prof. Mara Bešter.
Faculty of Natural Sciences and Technology: Prof. V. Kuljiš.
Faculty of Architecture, Civil Engineering and Geodesy: Prof. J. Sketelj.
Faculty of Electrical Engineering: Prof. M. Plaper.
Faculty of Mechanical Engineering: Prof. B. Likar.
Faculty of Bio-technology: Prof. Z. Turk.
Faculty of Medicine: Prof. M. Borstnar.

PROFESSORS:

Faculty of Philosophy:
Bezlaj, F., Comparative Grammar of Slavonic Languages
Cvetko, D., History of Slavonic Music and of Modern Comparative Music

GESTRIN, F., History of the Middle Ages
GOGALA, S., Pedagogy
GRAD, A., Romance Philology
GRAFENAUER, B., Slovene History
GROŠELJ, M., Classics
ILEŠIČ, S., Geography
JURANČIČ, J., Historical Grammar of Serbian and Croatian Languages and of Earlier Literature
KLEMENC, J., Archæology and Ancient History
KOROŠEC, J., Old Slavonic and Primeval Archæology
KOS, M., Medieval History, Ancillary Sciences
LOGAR, T., Historical Slovene Grammar
MELIK, A., Geography
MIKUZ, M., History of the National Liberation
MIKUZ, S., General History of Art
NOVAK, V., Ethnology
OCVIRK, A., Comparative Literature
PIRJEVEC, D., Comparative Literature
SCHMIDT, V., Pedagogy and the History of Pedagogy
ŠTAMPAR, E., Modern Croat and Serb Literature
STANONIK, J., English and American Literature
ZIHERL, B., Theory of Social Sciences
ZWITTER, F., Modern History

Faculty of Law:
BAJT, A., Political Economy
BAVCON, L., Criminal Law
BUČAR, F., Administrative Law
CIGOJ, S., Civil Law
FINZGAR, A., Civil Law
GORIČAR, J., Social Sciences
JUHART, J., Procedure at Civil Law
KOBE, P., Criminal Law
KOROŠEC, V., Roman Law
KUŠEJ, G., Theory of State and Law
KYOVSKY, R., Labour Law
MURKO, V., Financial Science and Financial Law
PETERIN, S., International Law
PRETNAR, S., Economic Law
ŠNUDERL, M., Constitutional Law
STRÖBL, MAJDA, Constitutional Law
TOMŠIČ, I., International Law
VAVPETIČ, L., Administrative Law

Faculty of Economics:
BEŠTER, MARA, Statistics
BLEJEC, M., Statistics
BONČELJ, J., Insurance
ČERNE, F., Political Economy
EXEL, S., The Policy of Internal Commerce
KIAUTA, L., Business Economics
LAVRAČ, I., History of Economic Theory
MALOVRH, V., Economic Geography
MARC, P., Economic Law
ORTHABER, A., Planning of National Economy
PERTOT, V., The Policy of External Commerce and Industry
STANOVNIK, J., Economic Development
VADNAL, A., Mathematics
VOGELNIK, D., Statistics
VOJSKA, D., Political Economy

Faculty of Natural Sciences and Technology:
BLINC, R., Electromagnetics and Optics
BRČIĆ, B., Inorganic Chemistry
CAZAFURA, K., Inorganic Chemistry
DOBOVIŠEK, B., Physical Chemistry
DOLAR, D., Physical Chemistry
DOMINKO, F., Astronomy
DUHOVNIK, J., Mineralogy, including Petrography
GERL, F., Economics and Organisation of Chemical Manufacture
GOGALA, A., Mining engineering—underground workings
GRAFENAUER, S., Crystallography, Mineralogy, Petrology
GREGORIČ, A., Technology of Spinning
GUZELJ, L., Analytical Chemistry
HADZI, D., Structure of Atoms and Molecules; Theoretical Organic Chemistry
HOMAN, A., Economy in Mines, Opencast Mining, Ventilation in Mining
HRIBERNIK, E., Technology of Inorganic Chemistry
JEROVEC, L., Textile Economics
KAVČIČ, J., Technology of Inorganic Chemistry
KAVČIČ, R., Chemistry
KERSNIČ, V., Mining Machinery
KOČEVAR, F., Fibre Science, Textile Testing
KOŠAK, K., Technical Drawing, Engineering Drawing
KRAMARŠIČ, V., General Chemical Technology
KRIZANIĆ, F., Differential Equations
KUHELJ, A., Mechanics
KULJIŠ, V., Technology of Heat and Fuels
KUŠČER, D., Oil and Coal Geology, Tectonic Geology, Coal Microscopy
KUŠČER, I., Physics
LESKOVŠEK, D., Physical Methods of Chemical Analysis, Measurement and Control in Chemical Industry
MODIC, R., General Chemical Technology
MOLJK, A., Physics
OCEPEK, D., Ore Preparation and Flotation
PAVKO, D., Metallurgical Furnaces, Gas Analysis, Pyrometric Measurement
PELHAN, C., Metal Casting
PERPAR, M., Organic Chemistry
PREMERL, F., Technology of Organic Chemistry
RAKOVEC, I., Geology and Palæontology
RAMOVŠ, A., Geological Surveying, Paleozoic and Mesozoic Stratigraphy
REKAR, C., Metallurgical Technology of Iron
SAVNIK, V., Technical Drawing, Technology of Hosiery
SLOKAN, K., Enrichment of Mineral Raw Materials
SMOLIK, F., Technology of Weaving
SOVINC, I., Engineering Mechanics, Soil Mechanics
STOJKOVIČ, I., Chemical Technology of Textiles
TIŠLER, M., Organic Chemistry, Organic Reactions
VIDAV, I., Mathematics
VIZOVIŠEK, I., Technology of Macromolecular Substances
VODUŠEK, RAŠA, Mine Surveying, Applied Geophysics
ZUPANČIČ, Č., Quantum Mechanics

Faculty of Architecture, Civil Engineering and Geodesy:
BLEIWEIS, J., Hydraulics, Advanced Hydraulics
ČRNIVEC, M., Geodetic Astronomy, Surveying, Calculus
ČRNJAČ, J., Higher Surveying, Minor Square Compensation
ČUČEK, I., Photogrammetry
FAKIN, M., Statistics, Building Mechanics
GOLJEVŠČEK, M., Water Power and Hydraulic Structures
GSPAN, J., Basic Railroad Construction, Railroad Construction
JENKO, R., Foundation Engineering, Building Site Organisation
KLEMENČIČ, T., Fundamental Municipal Economy
KOBE, B., Draughtsmanship, Perspective and Colour
KOVAČIČ, E., Hydrology, Hydrometry, River Regulation, Land Reclamation
KRAVANJA, V., Railroad Construction, Tunnels
KURENT, TINE, Modular Co-ordination, Industrial Building
LAPAJNE, S., Structural Theory, Constructions
MARINČEK, M., Steel Structures
MIHEVC, E., Housing, Interior Design
MUŠIČ, M., History of Architecture
PODPEČAN, A., Surveying in Relation to Planning, Cartography
RAVNIKAR, E., Public Building, Town Planning
RUDL, F., Surveying
SAJOVIC, O., Descriptive Geometry
SEDLAR, SAŠA, Town and Country Planning
SKETELJ, J., Waterworks and Sewerage, Water Purification and Disposal of Waste Water
ŠUKLJE, L., Soil Mechanics
TURK, S., Timber Structures, Concrete Structures, Prestressed Concrete
VALENTINČIČ, J., Principles of Architectural Design
ZNIDERŠIČ, B., Highway Constructions

Faculty of Electrical Engineering:
AVČIN, F., General Electrical Measurement
AVSEC, D., Mechanics
DOBEIC, J., Electrotechnical Materials
ERZEN, R., Telephone Installations
GRUDEN, M., Electromagnetism
GYERGYEK, L., Circuit Theory, Information Theory
JAGODIČ, F., Electric Motors, Electric Traction
KOZELJ, V., Theoretical Electrotechnics
LASIČ, D., Electronics, Nonlinear elements
MAGAJNA, B., Electro-Acoustics, Ultrasonics
OSREDKAR, M., Experimental Physics
PEHANI, E., Power Stations and Substations, Electrical Economics
PLAPER, M., Electric Power Transmission and Distribution
PONIZ, R., Thermo-electrotechnics
STROJNIK, A., Industrial Electronics, Electronic Instrumentation in Medicine, Rectifiers

Faculty of Mechanical Engineering:
ANDREE, L., Mechanical Measurements, Steam Boilers
ČERNIGOJ, B., Steam Engines, Steam Turbines, Conductors and Gas Turbines
KOVAČEC, F., Cranes and Structures of Steel, Agricultural Machinery, Civil Machinery
KRAUT, B., Railways
LIKAR, B., Thermal Ventilating Plant
LOBE, F., Machine tools
PEKLENIK, J., Automation of Machine Tools
PRELOG, E., Mechanics
STRUNA, A., Hydraulic Machines, Mechanical Resistance and Lubrication, Maintenance of Machines
VAKSELJ, A., Mathematics

Faculty of Bio-technology:
ADAMIČ, F., Horticulture, Fruit-growing
BATIS, J., Microbiology and Epizootiology
DITRICH, B., Wood Technology
DORER, M., Chemistry
GREGOROVIČ, V., Diseases of Ruminants
JANEZIČ, F., Phytopathology
JELAČIN, I., Animal Husbandry

KONJAJEV, A., Microbiology
LEVSTIK, J., Agrarian Policy
MAYER, E., Botany
MOZINA, I., Anatomy and Technology of Wood
PAVŠIČ, M., Reproduction of Domestic Animals
PETKOVŠEK, V., Botany
RAINER, F., Erosion and Torrents Control
RIGLER, L., Anatomy of Domestic Animals
SADAR, V., Field Crops
TOMAZIČ, G., Ecology
TURK, R., Statistics Applied to Agriculture, Farm Management, Introduction to Agricultural Economic Analysis
TURK, Z., Forest Exploitation
VALENTINČIČ, S., Veterinary Hygiene
VATOVEC, S., Physiology, Anatomy of Domestic Animals
VESELIČ, M., Viticulture and Wine Technology
VOVK, B., Soil Science, Plant Nutrition

Faculty of Medicine:
AVČIN, M., Pædiatrics
BANIĆ, S., Microbiology
BEDJANIČ, M., Infections
BENEDIK, M., General Surgery
BONAČ, I., Hygiene
BORŠTNAR, M., Psychiatry
BRECEKI, B., Orthopædics
BRENČIČ, L., Oral Medicine and Periodontics
ČELEŠNIK, F., Maxillofacial Surgery
DEREANI, CARMEN, Opthhalmology
DERGANC, F., Orthopædics
DERGANG, K., General Surgery
GUZELJ, V., General Surgery
HRIBAR, F., General Pathology
KANONI, J., Psychiatry
KOBE, VALENTINA, Anatomy
KRUŠIĆ, V., Pedodontology
LAVRIČ, V., Gynæcology and Obstetrics
LENČE, P., Pharmacology
LOGAR, A., Operative Dentistry
MAHKOTA, S., Internal Diseases
MATAJC, L., Pædiatrics
MILČINSKI, J., Forensic Medicine
NEUBAUER, R., Phthisiology
NOVAK, F., Gynæcology and Obstetrics
PALČIČ, B., Crown and Bridge Prosthodontics
PEHANI, Hl, Biology
POMPE, J., Oto-Rhino-Laryngology
RANT, JOŽE, Orthodontics
RAVNIKAR, BOŽENA, Oncology
SAVNIK, L., Oncology
SELIŠJKAR, A., Physiology
STUCIN, D., Chemistry
TRAMPUŽ, V., Gynæcology and Obstetrics
VOLAVŠEK, B., Internal Diseases
VOLOVŠEK, V., Dentures Prosthetics
ZUMER, M., General Surgery
ZUPANČIČ, A., Pathological Physiology

UNIVERSITY OF NOVI SAD

NOVI SAD

Founded 1960

Rector: L. STOJKOVIĆ.
General Secretary: S. RADOJEVIĆ.

Number of teachers: 276.
Number of students: 5,000.

DEANS:

Faculty of Arts and Sciences: D. RADOJIČIĆ.
Faculty of Economics: M. RAKOVAČKI.
Faculty of Medicine and Dentistry: N. VUJIĆ.
Faculty of Law: A. MAGARAŠEVIĆ.
Faculty of Mechanical Engineering: E. CUPIĆ.
Faculty of Technology: V. KRAJOVAN.
Faculty of Agriculture: S. BOROJEVIĆ.

UNIVERSITY OF SARAJEVO

SARAJEVO, V.S. OBALA 7/11

Telephone: 23-891, 23-875, 39-872.

Founded 1946.

Rector: Ing. F. ALIKALFIĆ.
Pro-Rectors: Dr. S. MUČIBABIĆ, Ing. D. MIRKOVIĆ.
General Secretary: S. RESULOVIĆ.

Number of professors: 221.
Number of students: 12,470.

DEANS:

Faculty of Law: Dr. M. KAMARIĆ.
Faculty of Economics: A. SULTANOVIĆ.
Faculty of Medicine: Dr. HAJRUDIN HADŽISELIMOVIĆ.
Faculty of Veterinary Science: Dr. A. HADŽIBEGANOVIĆ.
Faculty of Philosophy: Dr. S. MARKOVIĆ.
Faculty of Sciences: Dr. Š. RALJEVIĆ.
Faculty of Agriculture: Dr. R. PARIJEZ.
Faculty of Forestry: Dr. D. DJAPIĆ.
Faculty of Building and Construction: Dr. R. JOVANOVIĆ.
Faculty of Architecture and Urbanism: M. SOMBORSKI.
Machine-Engineering Faculty: A. MANDŽIĆ.
Faculty of Mining in Tuzla: Dr. M. JEREMIĆ.
Faculty of Technology in Tuzla: Dr. T. MARKOVIĆ.
Faculty of Metallurgy in Zenica: N. GOSTIŠA.
Technical Faculty in Banja Luka: V. RADOVIĆ.

PROFESSORS:

Faculty of Law:
BAJIĆ, M., Elements of Roman Law
ČEMERLIĆ, H., Constitutional Law
ERIĆ, M., Political Economy
ILIĆ, M., Penal Process Law
JOKANOVIĆ, V., Introduction to Law
KAMARIĆ, M., Government Law
KAMHI, S., Civil Law, Civil Litigation, International Private Law
LOVRENOVIĆ, S., Economic Politics, Economy Law—Special Part
LOZA, B., Law of Obligations, Economy Law—Special Part
PERIĆ, B., Labour Law, International Public Law
SAMARDŽIĆ, D., State History and Law
SILAJDŽIĆ, A., Family and Inheritance Law
SPAIĆ, V., Civil Law, Economy Law—General Part
STAJIĆ, A., Penal Law, Elements of Criminology
SUĆESKA, A., History of Yugoslav State and Law

Faculty of Economics:
BAKIĆ, L., Political Economy
BRKIĆ, D., Economic Geography
HADŽIOMEROVIĆ, H., Political Economy
JOVANOVIĆ, B., Technology
LER, BELA, Commercial Plan-Making, Industrial Economy, Analysis and Plan-Making of National Economy
LUČIĆ, LEONIDA, Statistical Analysis, Mathematics for Economists
PEROVIĆ, D., Theory of Expenses
SULTANOVIĆ, A., Commercial Law, Commercial Transactions
TUPARA, A., Agricultural Economics
VILA, A., Special Accountancy, Analysis and Plan-Making of Transactions of Enterprises

Faculty of Medicine:
BANIĆ, B., Surgery
BRKIĆ, I., Internal Medicine
BUĆIĆ, M., Forensic Medicine
ČAVKA, V., Ophthalmology
CIGLAR, M., Balneology
DJORDJEVIĆ, B., Histology
FLEGER, J., Dermatology and Venereal Diseases
GAON, J., Epidemology
GERC, J., Oto-Rhino-Laryngology
GRČIĆ, A., Surgery
GRIN, E., Dermatology, Venereal Diseases
GVOZDENOVIĆ, M., Microbiology
HADŽISELIMOVIĆ, H., Anatomy
HUKOVIĆ, S., Pharmacology
JANOVIĆ, S., Phthisiology
KAUFER, L., Surgery
KNEŽEVIĆ, JELKA, Gynæcology
KOŠAK, R., Pharmacology
MACEK, OLGA, Hygiene
PAŽIĆ, H., Physics
POPOVIĆ-EJDUS, BRANISLAVA, Stomatology
RAJKOVIĆ, A., Microbiology
SALOMON, T., Dermatovenerology
SARVAN, M., Pædiatrics
SERDAREVIĆ, H., Phthisiology
STANKOVIĆ, D., Pathology
ŠTERN, P., Pharmacology
ŠVOB, T., Biology
ZARKOVIĆ, GRUJICA, Hygiene.
ZEC, N., Neuropsychiatry
ZIMONJIĆ, B., Internal Medicine

Faculty of Veterinary Science:
BEGOVIĆ, S., Pathological Physiology
BEVANDIĆ, M., Anatomy
BUTOZAN, V., Infections of Domestic Animals
BOTUZAN, V., Infections of Domestic Animals
DELIĆ, S., Parasitology and Invasive Diseases
DŽINIĆ, S., Pharmacology and Toxicology
FORŠEK, Z., Infective Diseases
GAVIEZ, E., Pathological Anatomy
HADŽIBEGANOVIĆ, A., Hygiene and Meat Technology
HADŽIDEDIĆ, I., Hygiene and Technology of Nutrition
ILANČIĆ, D., General and Special Cattle-Breeding with Technology of Production
JEŽIĆ, J., Microbiology with Immunology
KRALJ, J., Physical Therapy and Roengenology
MAGAZINOVIĆ, V., Physiology
MAGLAJIĆ, E., Internal Diseases of Domestic Animals with Propædeutics
MATUKA, S., Biology and Pathology of Bees and Fish
MILENKOVIĆ, MILKA, Chemistry and Biochemistry
OŽEGOVIĆ, L., Internal Diseases of Domestic Animals with Propædeutics
RUKAVINA, J., Parasitology and Invasive Diseases
SMRČEK, Z., Internal Diseases of Domestic Animals with Propædeutics
VARADIN, M., Birth and Physiology and Pathology of Reproduction of Domestic Animals

TALIÓ, A., Governing Veterinary, Court Veterinary
TURANČIĆ, V., Internal Diseases of Domestic Animals

Faculty of Philosophy:
BABIĆ, An., National History, General History—Middle Ages
BEGIĆ, M., History of Yugoslav Literature—XX Century
DJURDJEV, B., History of People of Yugoslavia under the Turkish Occupation
DŽAKULA, B., French Literature—XVIII Century
EKMEČIĆ, M., General History—Modern Ages
FOCHT, I., Æsthetics
GRUBAČIĆ, RMILIJA, Modern German Language
HAUPTMAN, F., General History—Modern Ages
KAPIDŽIĆ, H., National History—Modern Ages
KON, M., German Literature—XIX Century
KOVAČEVIĆ, D., Medieval History of Yugoslav Peoples
KUZMIĆ, R., Old Slavic, Russian
MARKOVIĆ, S., Morphology and Phonetics of Modern Serbo-Croatian
NAZEČIĆ, S., National Literature, History of Yugoslav Literature—Romanticism
PAŠALIĆ, W., General History—Old Ages
SIKIRIĆ, S., Arabic, Arabic Literature, Persian
ŠAMIĆ, M., French Literature—Middle Ages
VUKOMANOVIĆ, O., History of the English Language
VUKOVIĆ, J., Syntax of Modern Serbo-Croatian, History of the Serbo-Croatian Language

Faculty of Sciences:
BAJRAKTAREVIĆ, M., Analysis I and II, Theory of Functions
DEŽELIĆ, M., Organic Chemistry, Biochemistry
GALEB, B., General Physics
KANAET, T., Regional World Geography
KRLEŽA, F., Analytic Chemistry
LJOLJE, K., Theory of Quantum, Theory of Relativity, Theory of Electro-magnetic Field
MUČIBABIĆ, S., Ecology of Animals with Zoogeography
PAVLOVIĆ, V., Physiology of Animals, Biochemistry
RALJEVIĆ, Z., Higher Geometry, Mathematics for Chemists
SLAVNIĆ, Z., Evolution, Ecology of Plants, Systematics of Cormophytes
ŠKERLOK, T., Physical Chemistry
ŠNAJDER, VERA, Differential Equations, Classical Mechanics for Physicists
SOLJAN, T., Zoology of Spineless Animals, Biogeography for Geographers
VEMIĆ, M., Climatology with Meteorology

Faculty of Agriculture:
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BAJČETIĆ, B., Organisation of Agricultural Collective-Farms
BATINA, D., Production of Animal Foods
BOKO, F., Hygiene and Diseases of Domestic Animals
BOŽIĆ, L., Economics of Agriculture and Co-operation
ČEČUK, S., Viticulture with Ampelography
ČOSIĆ, D., Special Husbandry, Gardening
DRÉGUN, V., Special Cattle Breeding
DUBIĆ, S., Agricultural Calculations and Accountancy
FINCI, Z., Organisation of Agricultural Collective Farms
HRASNICA, F., Cattle-Breeding—General Part
HRUSTANOVIĆ, K., Organic and Inorganic Chemistry
MAKSIMOVIĆ, D., Nutrition of Domestic Animals
MILINKOVIĆ, V., Genetics, Elevation of Plants
PARIJEZ, R. Economics of Agriculture, and Co-operation
PETIJEVIĆ, O., General Husbandry
RADMAN, LJUBICA, Agriculture Phytopathology
SENK, O., Zoology
ŠUPICA, M., Viticulture with Ampelography
VACLAV, V., Agricultural Entomology, Sealing
ZDANOVSKI, NIKOLA, Dairy Husbandry

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BEGOVIĆ, B., Exploitation of Forests
CIRIĆ, M., Pedology
DJAPIĆ, D., Forestry Economics
DJIKIĆ, S., Forestry Culture
GEORGIJEVIĆ, E., Protection of Forests
GLIGIĆ, V., Physiology of Plants
FUKAREK, P., Dendrology
KOPČIĆ, I., Forestry Organisation
MATIĆ, V., Forestry Regulation
MIHAĆ, B., Forestry Communications
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VUKMIROVIĆ, V., Dendrometry

Faculty of Building and Construction:
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BAĆ, J., River Hydrotechnics and Melioration
CRVČANIN, M., Upper Construction an Stations, Elements of Urbanism
HAHAMOVIĆ, J., Material Testing and Construction Testing
JANAČEK, E., Roads
JOVANOVIĆ, R., Geology and Engineering Geology
KRSMONOVIĆ, D., Geo-Mechanics
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MARENDIĆ, V., Concrete Construction
MIKULEC, S., Hydro-technics
MIOVČIĆ, S., Wood Constructions
POPOVIĆ, V., Railway Designs and Constructions
SIMIĆ, D., Massive Constructions
SOLOVJEV, D., Theory of Constructions
SUBOTIĆ, U., Traffic Economics and Theory of Transportation
TRIPALO, A., Physics
TRUMIĆ, A., Communal Hydro-Technics

Faculty of Architecture and Urbanism:
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KADIĆ, A., Concrete Constructions and Steel Constructions
KADIĆ, M., Public Buildings and Ruralism
KAPETANOVIĆ, E., Architectural Contructions II
KORKA, J., Design II
LUKIĆ, A., Drawing Geometry and Perpectives
NAJDHARDT, J., Compositions and Interiors and Urban Compositions
PAPO, I., Encyclopædia of Engineering
RADONIĆ, M., Installations
REDŽIĆ, H., History of Architecture—Old Ages, and History of Architecture—II Middle Ages
SMILJANIĆ, D., Architectural Constructions I and Design Constructions
SOMBORZK-, M., Urbanism I
ŠAMANEK, E., Elements of Designing
TAUBMAN, I., Urbanism II and Space Plan-Making
VUKIĆ, M., Free Drawing

Machine-Engineering Faculty:
BORAS KAZIMIR, Architectural Machines, Elements of Machine Construction I
BENDEJA, B., Machine-Tools I and II
BUJUKALIĆ, H., Wood Protection
GREGORIĆ, T., Thermodynamics I, II, Heating Installations
KADIĆ, I., Design of Hydroenergetic Devices
KARAHASANOVIĆ, A., Science of Wood
KLOKIĆ, M., Heating and Climatisation
KRSTIĆ, M., Pumps, Compressors and Valves
LIPOLD, R., Forming without Sawdust
MIRKOVIĆ, D., Organisation of Production
MUSAFIA, B.
POSTNIKOV, A., Machines for Mechanical Wood Preparation
POTKONJAK, M., Sawing Preparation of Wood
SEDLAR, N., Science of Material, Thermic Dealing
STANIŠIĆ, R., Standards and Currency of Wooden Products
ŠTEKOVIĆ, M., Mathematics II
VOLKOV, V., Elements of Machine Constructions
ZUBAC, J., Elements of Engines
ZUBAKIN, AZA, Elements of Machine Constructions

Electro-Technical Faculty:
AAZBAGIĆ, O., Elements of Electro-Technics
KANTARDŽIĆ, M., Mathematics
KARABDIĆ, V., Elements of Electro-Technics
KRIVANEK, V., Power Works and Watershed Machines
MANDŽIĆ, A., Counting Machines and Modelling
POPOVIĆ, B., Mathematics

Faculty of Mining (in Tuzla):
BIŠČEVIĆ, A., Machines
JEREMIĆ, M., Stores of Mineral Raw Materials, Geological Mining Research Work
RISTIĆ, P., Mineralolgy
ROBLJEK, V., Preparing of Mineral Raw Materials
SOKLIĆ, I., Geology
ŠTRAJHER, M., Mining Machines
VIDOVIĆ, M., Geology

Faculty of Technology (in Tuzla):
FRIDMAN, L., Organic Technology
IVIĆ, S., Inorganic Chemistry
JELAČIĆ, C., Inorganic Chemistry
MARKOVIĆ, T., Physical Chemistry
PAVLOVIĆ, Z., Analytic Chemistry
ROZGAJ, S., Technological Operations
STANČIĆ, B., General Chemistry

Faculty of Metallurgy (in Zenica):
BIJELIĆ, V., Elements of Social Sciences, Organisation of Industrial Research, Study of Work
GOSTIŠA, N., Introduction to Metallurgy, Metallurgic Processes, Iron and Steel Preparation Devices
HRDLIČKA, V., Electrotechnics I, Electrotechnics II
MANDIĆ, P., Industrial Furnaces I, Industrial Furnaces II
RONOVSKI, V., Technical Drawing with Drawing Geometry, Designing of Iron Machines
SARAJLIĆ, A., Moulding I, Moulding II

Technical Faculty (in Banja Luka):
MARTIĆ, B., Mathematics
RADOVIĆ, V., Mechanical Technology
TASIĆ, B., Elements of Electronics

UNIVERSITY OF SKOPLJE
(Univerzitet vo Skoplje)

NASELBA "TAFTALIDZE", SKOPLJE

Telephone: 32-477.

Founded 1949.

Rector: Prof. Dr. G. FILIPOVSKI.
Pro-Rectors: Prof. Dr. J. MILADINOV, Prof. JOŽE ULČAR.
Secretary-General: B. STEFANOVSKI.

Number of teachers: 493.
Number of students: 7,266.
Publications: *Univerzitetski bilten, Univerzitetski glasnik, Pregled na predavanjata.*

DEANS:

Faculty of Philosophy: Prof. Dr. D. MILJOVSKA.
Faculty of Medicine: Prof. Dr. I. TADZER.
Faculty of Agriculture and Forestry: Prof. Dr. R. JOVETIĆ.
Faculty of Engineering: Prof. Dr. K. HOLOLČEV.
Faculty of Economics: Prof. T. STOJANOVIĆ.
Faculty of Law: Prof. E. DIMITROV.
Faculty of Natural Sciences and Mathematics: Prof. Dr. O. PEČIJARE.

UNIVERSITY OF ZAGREB
(Sveučiliste u Zagrebu)

TRG MARŠALA TITA 14, ZAGREB

Telephone: 35-762.

Founded 1669; reconstituted 1948.

Rector: Prof. SLAVKO MACAROL.
Pro-Rector: Prof. V. SERDAR.
Secretary-General: B. TOMAŠIĆ.

Number of teaching staff: 2,227.
Number of students: 23,306.

DEANS OF FACULTIES:

Zagreb

Philosophy: P. VRANIKI.
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Electrical Engineering: R. WOLF.
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Forestry: NICOLA NEIDHARDT.
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Higher School of Economics: RANKO FRUA.
Higher School of Administration: S. PULISELIĆ.
Higher School of Technology: I. TURK.
Higher School of Defectology: T. SPOLJAR.

Rijeka

Mechanical Engineering: M. PEČORNIK.
Medicine: D. PEROVIĆ.
Economics: V. TADEJEVIĆ.

Zadar

Chemical Technology: A. DAJMANIĆ.
Electrical Engineering: J. DEKLEVA.

Osijek

Economics: Dr. D. RILKE.
Higher School of Agriculture: M. BRINZEJ.

PROFESSORS:

Faculty of Philosophy:
BOGDANOV, V., National History
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PETRÈ, F., Slovenian Languages and Literature
PREGRAD, Z., Pedagogy
RENDIĆ-MIOČEVIĆ, D., Archæology
ŠIDAK, J., Croatian History
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Faculty of Law:
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BIĆANIĆ, R., Economic Policy of Yugoslavia
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ČULINOVIĆ, F., History of Law of Yugoslav Nations
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GOLDŠTAJN, A., Commercial Law
HORVAT, M., Roman Law
KATIČIĆ, N., International Private Law
LANG, R., Political Economy
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TINTIĆ, N., Labour Law
TRIVA, S., Civil Procedure Rights
VEDRIŠ, M., Civil Rights
ZLATARIĆ, B., Criminal Law

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SIROTKOVIĆ, J., Economic Planning, the Economy of Yugoslavia
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BILINSKI, S., Geometry
FINK, N., Zoology of Vertebrates, Ecology of Animals and Zoogeography
GRDENIĆ, D., Inorganic Chemistry
HERAK, M., Geology
HORVATIĆ, S., Systematic Botany, Plant Geography and Plant Ecology, Floristics
JANKOVIĆ, Z., Applied Mathematics
KOCHANSKY-DEVIDÉ, VANDA, Palæontology
KUREPA, D., Mathematics
MAKSIĆ, B., Geophysics with Meteorology
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PAIĆ, M., Physics
ROGLIĆ, J., Physical Geography
SUPEK, I., Theoretical Physics and Philosophy
TAŠJDER, M., Petrology and Mineralogy
TEŽAK, B., Physical Chemistry

Faculty of Medicine:
ALLEGRETTI, NIKAA, Physiology
ČUPAR, I., Stomatology
DEKARIS, M., Gynæcology and Obstetrics
DUANČIĆ, V., Histology and Embryology
FALIŠEVAC, J., Infectology
GUŠIĆ, B., Oto-Rhino-Laryngology
GVOZDANOVIĆ, V., Radiology
HAHN, A., Internal Medicine
IVANČIĆ, R., Clinical Propædeutics
JUZBAŠIĆ, D., Clinical Surgery
KESIĆ, B., Hygiene and Social Medicine
KOGOJ, F., Dermatology and Venereal Disease
KRMPOTIĆ, JELENA, Human Anatomy
LOPASIĆ, R., Neurology and Psychiatry
LORKOVIĆ, Z., Biology
MIHALJEVIĆ, F., Infectious Diseases
PAVIŠIĆ, Z., Ophthalmology
PINTER, T., Chemistry
PIRC, B., Epidemology
PROŠTENIK, M., Chemistry
RADOŠEVIĆ, Z., Internal Medicine
RICHTER, B., Bacteriology and Parasitology
SERCER, A., Oto-Rhino-Laryngology
SMOKVINA, M., Clinical Roentgenology
SOKOLIĆ, Pl, Ophthalmology
SUČIĆ, D., Internal Medicine
SUPEK, Z., Pharmacology
VESENJAK-HIRJAN, JELKA, Microbiology
VULETIĆ, A., Organisation of Social Service

Faculty of Stomatology:
BOLF, Z., Orthodontics
MARKOVIĆ-PEIČIĆ, BLAZENKA, Anatomical Pathology
NJEMIROVSKIJ, Z., Dental Pathology
SUVIN, M., Dental Prothesis
TOMIĆ, D., Pharmacology

Faculty of Veterinary Medicine:
DELAK, M., Pharmacology and Toxicology
EHRLICH, I., Biology
FORENBACHERS, S., Internal Diseases
FRANCETIĆ, M., Hygiene of Food of Animal Origin
IVOŠ, J., Zoohygiene
KRVAVICA, S., Pathology
MLINAC, F., Microbiology
OKLJEŠA, B., Obstetrics, Sterility and Artificial Insemination
RAKO, A., Animal Husbandry
RAPIĆ, S., Roentgenology and Physical Treatment
REŽEK, A., Chemistry
ŠUTLIĆ, A., Internal Diseases
TOMAŠEC, I., Biology and Pathology of Bees, Silkworms, and Fish

TOPOLNIK, E., Microbiology, Immunology and Infectious Diseases
VARIČAK, T., Histology
WINTERHALTER, M., Jurisprudence
ZAHARIJA, I., Microbiology, Immunology Infectious Diseases

Faculty of Pharmacy and Biochemistry:
AKAČIĆ, B., Pharmacognosy
AŠPERGER, S., Physical Chemistry
BARKOVIĆ, D., Pharmaceutical Chemistry
FIŠER-HERMAN, MARIJANA, Clinical Chemistry
IVEKOVIĆ, H., Inorganic Chemistry
KUŠAN, F., Pharmaceutical Botany
MILKOVIĆ, S., Pharmacology
PETRIČIĆ, J., Pharmacognosy
ŠTIVIĆ, I., Pharmaceutical Technology
VAJIĆ, B., Chemistry of Food

Faculty of Architecture:
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DENZLER, J., History of Architecture
GALIĆ, D., Design of Buildings
KAUZLARIĆ, M., Design of Buildings
MOHOROVIČIĆ, A., History of Architecture, Theory of Architecture
NIČE, V., Descriptive Geometry
SEISSEL, J., Town Planning
VRKLJAN, Z., Building Construction

Faculty of Civil Engineering:
ANDREJEV, V., Mechanics
BROZ, R., Water Supply and Canalisation
CABRIJAN, M., Railways
EREGA, J., Steel Bridges
GJUROVIĆ, M., Regulation and Reclamation
JURANOVIĆ, V., Reinforced Concrete
NONVEILLER, E., Geomechanics
SZAVITS-NOSSAN, S., Foundry
TONKOVIĆ, K., Large-Scale Bridges
VRANIĆ, V., Mathematics
WERNER, O., Theory of Surfaces
ZAGODA, J., Roads

Faculty of Geodesy:
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BRAUM, F., Photogrammetry
ČUBRANIĆ, N., Higher Geodesy
KAŠKOVIĆ, M., Applied Geodesy
MACAROL, S., Surveying
RANDIĆ, L., Astronomy

Faculty of Mechanical and Marine Engineering:
BAZJANAC, D., Engineering Mechanics
ERCEGOVIĆ, S., Ship Construction
HERCIGONJA, I., Production Engineering
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KRPAN, D., Internal Combustion Engines Motor Driven Vehicles
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SERDAR, J., Sprocket Wheels and Cranes
SILOVIĆ, S., Ship Designing
SRETNER, J., Ship Heating Plants
VILIČIĆ, M., Thermodynamics, Heating, Ventilation and Air Conditioning

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BLANUŠA, D., Higher Mathematics
DOLENC, A., Electric Machines
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LOPAŠIĆ, V., Physics
MATKOVIĆ, V., Telegraph-Telephone Techniques
MULJEVIĆ, V., Regulatory and Signal Techniques
POŽAR, H., Electric Plants
SREFANINI, B., Transmission of Electric Energy
WOLF, R., Examination of Electrical Machines

Faculty of Technology:
FILAJDIĆ, M., Methods of Oil and Grease Analysis
FILIPOVIĆ, I., Inorganic Chemistry
HAHN, V., Organic Chemistry
JOHANIDES, VJERA, Technical Microbiology
KARŠULIN, M., Physical Chemistry
LAĆAN, M., Organic Chemistry and Technology
LOVREČEK, B., Electrochemistry and Technology
LOVREČEK, I., Chemical Calculus, Bases of Chemical Engineering
MARJANOVIĆ-KRAJOVAN, VJERA, Analytical Chemistry
MIHELIĆ, F., Food Analysis
MILDNER, P., Biochemistry
ZILIĆ, S., Analytics and Radiochemistry

Faculty of Agriculture:
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CAR, M., Cattle-Raising and Horse-Breeding
FIŠER, F., Technology of Agricultural Products
HORVAT, B., Cattle-Breeding
KIŠPATIĆ, J., Phytopathology
KOVAČEVIĆ, Z., Entomology
KUMG, M., Research and Elements of Plant Grafting
PAJALIĆ, J., Pig-Breeding and Sheep-Breeding, Poultry and Farriers
POLAK, ELZA, Cultivation of Decorative Plants
RAPAJIĆ, N., Organisation and Management of an Agricultural Enterprises
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TAVČAR, A., Genetics

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ANIĆ, M., Dendrology and Plant-Sociological Foundations of Silviculture
BENIĆ, R., Forest Exploitation and Rationalisation of Work in Timber Industry
EMROVIĆ, B., Dendrometry
HORVAT, I., Wood Technology and Mechanical Processing of Wood
KLEPAC, D., Forest Management
KRALJIĆ, B., Rationalisation of Work in Forestry
KRPAN, J., Drying and Steaming of Wood, Veneer and Plywood Industry
LOVRIĆ, N., Industrial Timber Building
NEIDHARDT, N., Surveying
PEVALEK, I., Botany
PLAVŠIĆ, M., Economic Foundations of Forest Production
SPOLJARIĆ, Z., Wood Anatomy
TOMAŠEGOVIĆ, Z., Forest Photogrammetry and Descriptive Geometry
VAJDA, Z., Forest Protection and Silviculture

Faculty of Political Sciences:
FIAMENGO, A., Sociology
GERŠKOVIĆ, L., The Socialist Revolution in Yugoslavia

Higher School of Economics:
GORUPIĆ, D., Business Policy

Higher School of Technology:
RADIĆ, I., Chemistry, Chemical Technology, Non-Metals

Faculty of Economics—Rijeka:
PETROVIĆ, RUDA, Traffic Geography

Faculty of Mechanical Engineering—Rijeka:
MIKULIČIĆ, M., Internal Combustion Engines

Faculty of Medicine—Rijeka:
ATANACKOVIĆ, D., Pharmacology
CERKOVNIKOV, E., Chemistry and Biochemistry
EMILI, H., Hygiene and Social Medicine
JAKAC, D., Dermatovenerology
KOPAČ, Z., Pathology
KRIŽAN, Z., Anatomy
NOVAK, S., Internal Medicine
PANSINI, K., Pædiatrics
PLAVŠIĆ, Č., Internal Medicine

Faculty of Philosophy—Zadar:
JANKOVIĆ, V., Education
KRAVAR, M., Latin
LISIČAR, P., Ancient History
MIKUŠ, R., French Language
MILOVIĆ, J., German Literature
SUIĆ, M., Archæology

Faculty of Mining Engineering, Geology and Petroleum:
ARAR, I., Mining Machinery
BATURIĆ, J., Surveying, Methods of Geophysical Exploration
CRLENJAK, M., Thermodynamics, Machine Construction
JURKOVIĆ, I., Science of Mine Location
LAZIĆ, S., Oil Drilling and Production
MAJER, V., Mineralogy and Petrology
MARIĆ, L., Mineralogy and Petrology
OŽEGOVIĆ, F., Geology and Geo-Petrology
SABIONCELLO, P., Inorganic Chemical Technology, Mining Chemistry
TEPLY, E., Mining
ZAMBELLI, A., Mining Economy, Safety Techniques

Higher School of Defectology:
BETLHAIM, S., Psychopathology of Adults
DOGAN, S., Neurophysiology
GUBERINA, P., Language Structure and Defects of Hearing
PAVISIĆ, Z., Physiology and Pathology of Sight

Higher School of Administration:
PULIŠELIĆ, S., Sociology and Contemporary Society

FACULTY OF THEOLOGY IN LJUBLJANA

LJUBLJANA

Founded 1950.

(Formerly attached to Ljubljana University).

Dean: Prof. Dr. S. CAJNKAR.

Pro-Dean: Dr. V. FAJDIGA.

The library contains 20,000 volumes.

Number of professors: 20.

UNIVERSITY OF NIŠ

MIKE PALIGORICA 2, NIŠ

Telephone: 25-544.

Founded 1965

Rector: Dr. BRANIMIR JANOVIĆ.

Vice-Rector: Dr. M. SIMIĆ.

General Secretary: M. ZDRAVKOVIĆ.

Number of teachers: 344.
Number of students: 6,859.

DEANS:

Faculty of Law and Economics: R. OSTOJIĆ.

Faculty of Medicine: B. GRBEŠA.

Faculty of Engineering: D. BABIĆ.

PROFESSORS:

Faculty of Law and Economics:

ARANITOVIĆ, R., Economics of Business Enterprises
DJORDJEVIĆ, M., History of Law and State
JANKOVIĆ, B., International Law and International Relations
KULIĆ, D., Constitutional Law
MARKOVIĆ, M., Civil Process Law
MATEJIĆ, M., Economic System of Yugoslavia
OSTOJIĆ, R., Yugoslav Economy
POPOVIĆ, S., Administrative Law

Faculty of Medicine:

BELESLIN, S., Forensic Medicine
DJUKNIĆ, N., Surgery
GRBEŠA, B., Neurology and Psychiatry
IVIĆ, M., Histology and Embryology
POP-TRAJKOVIĆ, B., Physical Medicine and Rehabilitation
SIMIĆ, M., Epidemiology
STOJŠIĆ, M., Infectious Diseases

Faculty of Engineering:

BABIĆ, Melioration of Land
ILIĆ, M., Physics
JEFTIMIJADES, S., Railway
KOROBOV, J., Automatic Control and Measurement

SCHOOLS AND COLLEGES

Academy of Applied Arts: Belgrade; f. 1948; 32 professors, 16 teachers; 185 students; 8 departments: interior architecture, decorative sculpture, ceramics, decorative painting, applied graphic arts, textiles, costume and mode, scene painting; Dean Prof. MILENKO ŠERBAN.

Academy of Art: Belgrade; f. 1957- Rector Prof. MIHAJLO VUKDRAGOVIĆ; Pro-Rector Prof. MARKO CELEBONOVIĆ; 92 teachers, 768 students. Controls the activities of the other Academies of Art in Belgrade.

Academy of Fine Arts: Belgrade; f. 1937; departments of painting, sculpture and graphic art; Dean STOJANOVIĆ SRETEN; number of teachers 26, number of students 167.

Academy of Fine Arts: Zagreb, Ilica 85; f. 1907; 32 professors, 118 students; paintings, plastics, graphics and pedagogy; Dekan Prof. VJEKOSLAV RUKLJAČ.

Academy of Fine Arts: Ljubljana, Erjavčeva ul. stev. 23; 16 professors, 78 students; Rector MIROSLAV ŠUBIC.

Academy of Applied Arts: Zagreb; departments of graphic art, ceramics, painting, architecture, sculpture, metals, textiles, printing; 45 professors, 360 students; Dir. Prof. BELIZAR BAHORIĆ.

Academy of Stage Art: Zagreb; depts. of acting, directing and scenography; Rector VLADIMIR KRALJ.

Academy for Theatre, Film, Radio and Television: Belgrade, Uskocka 2a; 42 professors and assistants, 161 students; four main branches; producing, acting, organising and play (screen) writing; four- and five-year courses; Dean Prof. STANISLAV BAJIĆ.

Academy of Theatre, Radio, Film and Television: Ljubljana; 22 professors, 76 students; Rector FILIP KUMBATOVIĆ.

Advanced School for Dentists: Sarajevo; 15 professors, 80 students.

High School of Physical Education: Belgrade, Deligradska 27; f. 1946; of university status since 1948; library of over 13,300 vols. and 560 reviews; Dean Prof. NIKOLA KURELIĆ.

Higher School of Ministry of Foreign Trade: Belgrade; 31 professors, 1,300 students.

Higher Technical School for Production Engineers: Zagreb; f. 1957; Dir. Eng. DRAGO KUNSTELJ; number of teachers 49, number of students 520.

Institute of Musicology: Belgrade, Knez Mihailova 35; f. 1947; 17 mems.; Dir. Mrs. STANA DJURIĆ-KLAJN; library of 2,600 vols., 1,500 scores, recorded folklore-music.

Marine High School: Rijeka; 18 teachers 105 students.

Musical Academy: Belgrade, Maršala Tito 50; f. 1937; 81 professors, 547 students; library of 33,480 scores; Dean PREDRAG MILOŠEVIC.

Musical Academy: Ljubljana; 24 professors, 240 students; classes for composition, conducting, voice, instrumentation, history of music and musicology; Dean MATUSJA BLUM.

Musical Academy: Sarajevo; depts of composing, conducting, singing, piano, string and wind instruments, history and folklore, theoretical teaching; Rector MIROSLAV ŠPILER.

Musical Academy: Zagreb, Gunduliceva ul. 6; f. 1827; library of 14,032 vols.; 55 professors, 190 students; Dean MILO CIPRA.

Pedagogical College: Banja Luka; 240 students.

Pedagogical College: Belgrade; f. 1919; 34 professors, 1,376 students; Dir. Dr. BOGDAN STOJSAVLIJEVIĆ.

Pedagogical College: Cetinje; 38 professors, 120 students; Dir. MILUTIN STOJOVIĆ.

Pedagogical College: Ljubljana; 39 professors, 342 students.

Pedagogical College: Mostar; 30 students.

Pedagogical College: Nis; 22 professors, 560 students.

Pedagogical College: Novi Sad, Svetozara Markovika 6; f. 1946; 47 professors, 407 students; Rector SPASOJE COBANSKI.

Pedagogical College: Sarajevo; 30 professors, 402 students.

Pedagogical College: Skoplje; f. 1947; 42 professors, 839 students.

Pedagogical College: Zagreb, Savska cesta 77; f. 1919; library of 21,850 vols.; 45 professors, 1,550 (750 full-time, 800 part-time) students; Principal JOSIP BUSIJA.

Pedagogical High School: Split; f. 1945; 38 professors, 682 students.

ZAMBIA

Population 3,500,000

LEARNED SOCIETIES AND RESEARCH INSTITUTES

British Council, The: Capital House, King George Avenue, P.O. Box 415, Ndola; also P.O. Box 90, Lusaka; Rep. H. R. CROOKE.

Division of Forest Research: Forest Department, P.O. Box 879, Kitwe; f. 1956; silvicultural research, indigenous forests and woodlands and plantations; tree breeding and selection; utilisation research; staff of 16, professional and technical; Chief Forest Research Officer E. N. COOLING; library of 850 vols. and current periodicals.

Game and Fisheries Department: P.O. Box 1, Chilanga, Lusaka; formerly Joint Fisheries Research Organisation of Northern Rhodesia and Nyasaland; to study the fish resources of the country and develop the fishing industry.

Geological Survey of Zambia (Ministry of Mines and Co-operatives): P.O. Box RW. 135, Ridgeway, Lusaka; f. 1951; the library contains approx. 9,500 vols.; Dir. A. M. J. DE SWARDT; Deputy Dir. A. R. DRYSDALE; 1 Senior Geologist, 12 Geologists, 2 Chemists, Metallurgist, Technical Records Officer, Librarian; publs. *Annual Report, Records, Bulletins, Memoirs, Reports, Occasional Papers, Economic Reports, Technical Reports, Annotated Bibliography of the Geology of Zambia*, and Maps.

Institution of Mining and Metallurgy: P.O. Box 450, Kitwe.

International Red Locust Control Service: P.O. Box 37, Abercorn; f. 1949; to prevent plagues of Red Locust by controlling incipient outbreaks and to carry out research; member countries: Republic of South Africa, Malawi, Southern Rhodesia and Zambia, the Congo, Rwanda, Burundi, Kenya, Uganda, Tanganyika, Angola, Mozambique, the British High Commission Territories; President J. A. WHELLAN; Dir. C. DU PLESSIS; publs. *Scientific Reports* (published through the Anti-Locust Research Centre, London, England.

Metals and Minerals Development Unit: Ministry of Mines and Co-operatives, Lusaka; f. 1965; to undertake research into the international aspects of the mining industry.

Mount Makulu Central Agricultural Research Station: Mount Makulu, P.O. Box 7, Chilanga; f. 1952; Headquarters of Research Branch of Ministry of Agriculture; research on soils, soil classification, vegetation types and land classification; investigations into crop and grassland agronomy; Chief Officer Dr. A. O. BALLANTYNE; publ. *Annual Report*.

Pneumoconiosis Medical and Research Bureau: Cornwall Avenue, P.O. Box 205, Kitwe; f. 1950; research on Pneumoconiosis and related chest diseases; Dir. Dr. G. H. FLETCHER; Deputy Dir. Dr. R. Z. PTASZYNSKI.

Institute for Social Research, University of Zambia (*formerly* Rhodes-Livingstone Institute): P.O. Box 900, Lusaka; f. 1937; Dir. Prof. ALASTAIR HERON; Admin. Sec. (Vacant); Research Sec. E. W. WOOD; Librarian (Vacant); library of 4,000 vols.; publs. *Journal* (six-monthly), *Papers, Books, Communications* and *Conference Proceedings* (occasional).

LIBRARIES AND MUSEUM

British Council Library: P.O. Box 415, Ndola; f. 1951; 10,909 vols.

Government Library Service: Lusaka.

Lusaka Public Library: Lusaka.

Ndola Public Library: P.O. Box 197, Ndola.

The Livingstone Museum: P.O. Box 498, Livingstone f. 1934; ethnology of Northern Rhodesian native tribes; archæology of Northern Rhodesia and South Central Africa; autograph letters and relics of David Livingstone; early maps of Africa; library specialising in archæology, ethnography, Rhodesian and Africana; Dir. BARRIE REYNOLDS; publs. *Occasional Papers of The Livingstone Museum* and *Robins Series of Monographs*.

UNIVERSITY

THE UNIVERSITY OF ZAMBIA

P.O. BOX 2379, LUSAKA

Telephone: Lusaka 72334.

Provisional Council founded 1964.

Chancellor: Dr. D. G. ANGLIN, M.A., D.PHIL.

Vice-Chancellor: Dr. S. O. BIOBAKU.

Registrar: L. M. YOUNG, M.A., PH.D.

Librarian: A. J. LOVEDAY, M.A., DIP.LIB.

First students expected March, 1966.

COLLEGES

Hodgson Technical College: P.O. Box R.W. 133, Ridgeway, Lusaka; f. 1953; courses in building, engineering, tailoring and leather craft.

Principal: RAY SMITH, M.B.E.

Number of students: 380.

Northern Technical College: P.O. Box 1563, Ndola; f. 1964.

Chairman: T. CATCHPOLE.

Number of students: 1,250.

College of Further Education P.O. Box 29, Lusaka; f. 1963.

Oppenheimer College of Social Service: P.O. Box 132, Ridgeway, Lusaka; f. 1960; a multi-racial college for training in the social services expected to become part of the University of Zambia.

Principal: W. CLIFFORD.

Number of students: 75.

INDEX OF INSTITUTIONS

C

D

F

G

H

I

J

K

L

N

45

O

Q

R

S

T

U

V

W

X

Y

Z